

FINAL Memorandum



Greater Los Angeles County IRWMP

Subject: Project Prioritization Framework
Prepared For: Leadership and Steering Committees
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1 Objectives

This memorandum proposes a framework for project prioritization for the Los Angeles County Integrated Regional Water Management Plan (IRWMP) Leadership Committee and sub-regional steering committees. The projects to which this framework would be applied include the projects submitted to date to the Greater Los Angeles IRWMP project database as well as projects submitted in the future.

The purpose for developing this framework is to facilitate the prioritization of IRWMP projects on both regional and sub-regional scales. The framework is designed to synthesize data available on projects and identify those projects that best address three fundamental categories:

- Regional objectives as identified in the IRWMP
- Sub-regional priorities and preferences
- Readiness to proceed

The framework outlines the prioritization process and presents a set of flexible screening and scoring tools that can be used within this process to help evaluate projects using these three categories. While this framework will be useful in identifying projects best positioned for upcoming funding opportunities, the fundamental purpose is to help identify the projects that best address regional objectives and sub-regional priorities and preferences without regard to particular grant funding opportunities. The framework will also serve as a resource for project improvement and integration by providing an assessment of how well projects meet established prioritization criteria and allowing identification of areas where proponents can improve their project standing through internal enhancements and/or coordination with other projects.

This memo describes the development, structure, and implementation of the proposed project prioritization over the following four sections:

2. Prioritization Process
3. Prioritization Framework Development
4. Recommended Prioritization Framework
5. Framework Implementation

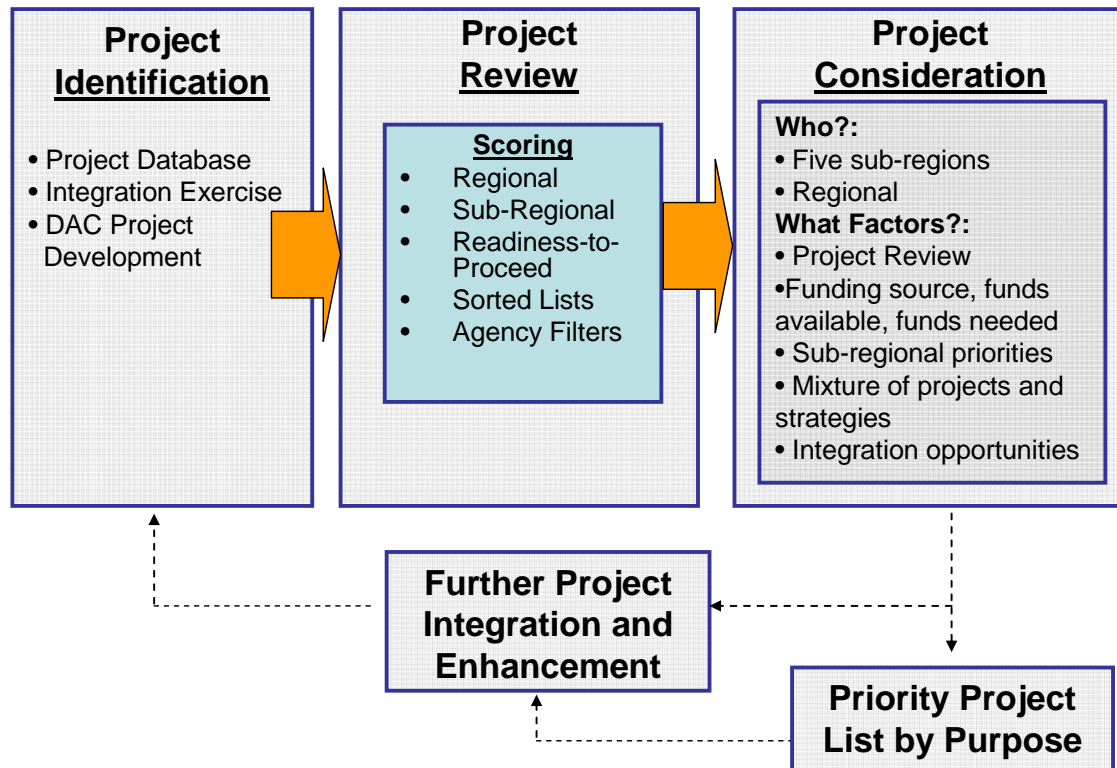
2 Prioritization Process

The prioritization process can be envisioned as shown in **Figure 1**. The three steps in the process are described as follows:

- **Project Identification:** Gathering, compiling and sorting project information from proponents.

- **Project Review:** Objective review and ranking of projects based on pre-defined criterion. Organization of projects into sorted lists by categories.
- **Project Consideration:** Subjective analysis that involves participation of steering committees, leadership committee and project proponents to select final projects for a specific targeted purpose such as a funding opportunity.

Figure 1: Project Prioritization Process



The outcome of the process is a project priority list, which can be used to pursue a particular purpose such as for a funding opportunity. A feedback loop is built into the process to allow identification of opportunities for further project integration and enhancement to improve the pool of regional projects.

The prioritization framework is designed to support the prioritization process by providing a structured and transparent means for implementing the process to obtain desired results. It provides suggested tools at each step that can be used to facilitate the prioritization process. The following section presents the basis for development of the framework.

3 Prioritization Framework Development

In developing and finalizing the framework, a number of different elements and influences were considered. These include:

- Comments provided by sub-regional steering committees
- Availability of data from the Greater Los Angeles County IRWMP Project Database
- Project prioritization exercise using the Draft Prioritization Framework

3.1 Comments Received by Sub-Regional Steering Committees

During steering committee meetings held in March and April 2007, members of the Region's five sub-regional steering committees were asked to provide input and feedback on the development of the prioritization framework. A complete listing of the comments received from the steering committee members is included in **Appendix A**. To summarize, major points made by the steering committees were:

- Quantitative benefits are an appropriate tool, if necessary, to screen projects before performing in-depth prioritization.
- The framework should not be designed to generate a list of projects for the next grant but rather it should identify the best projects regardless of when the projects will be ready to proceed.
- The framework should serve as a tool to allow sub-regions have more control of their own destiny in the process.
- The Leadership Committee should provide some oversight and input to produce a "balanced" program and the framework should support the Leadership Committee in this role.
- The framework should not be based just upon the limited information in the database provided by the "short form" database fields used by many project proponents during the development of the IRWMP to input data into the database.
- Project proponents should be able to update their projects in the database prior to any initial screening and ranking.
- Steering committee members should participate with the consultant to create preliminary ranking and look for project integration opportunities early in process.

As the prioritization framework has been developed, we have worked to incorporate and address as many comments as possible.

3.2 Project Database Status and Issues

During the development of the Region's IRWMP in 2006, a call for project concepts was conducted and information on more than 1,500 projects was received and compiled into a database. One purpose of this call for project concepts was to create a snapshot in time of as many projects and project concepts as possible which targeted water management within the Region. The other purpose was to initiate an on-going process of cataloging all the water management projects within the Region and utilizing this information to promote project development, enhance project integration, and track progress toward meeting the Region's adopted quantifiable goals. This database remains available via www.lawaterplan.org for project proponents to either input new projects or project concepts or to update existing project information.

In this prioritization framework, this project database serves as the foundation of project information. And, while the database contains an extensive number of fields and, for many projects contains an extensive amount of data, gaps exist in some places between the data desired for the prioritization framework and the data available. In particular, we have identified two basic limitations that have influenced the development of the framework and will likely influence how the framework is implemented and results interpreted. These are:

- *Limited information for many projects in the database:* During the call for project concepts, project proponents were asked to provide any information about their projects, even if that information was very limited, given that often a request for extensive information about a project creates a barrier to inclusion. As the framework is applied, the lack of information on some projects will need to be taken into account.

- *Prioritization framework requests information currently not included in the database or not properly formatted:* In considering alternatives for the framework, we have identified a potential need to include elements in the framework that currently are either not addressed in the database or are not properly formatted. This was because the prioritization framework had not yet been developed nor had the regional objectives been finalized when the database was initially developed.

The current project database form is presented in **Appendix B**.

3.3 Project Prioritization Exercise

An initial Draft Prioritization Framework (April 2007) was developed and submitted to the subregional steering committees for consideration. Recognizing that the framework was untested, the subregional steering committees conducted a prioritization exercise over a series of meetings in June 2007 assisted by the consultant team to test the prioritization framework and see how it might apply in the respective subregions. The objective of the exercise was to obtain a preliminary top ranked project list for each subregion based on the framework and information in the database as of May 1, 2007, and to perform project integration and enhancement on a select group of identified projects.

There were many lessons learned from this exercise and these are incorporated into this final TM to improve the process of project prioritization in the Region in the future. A summary of comments that were received from the steering committees and project proponents during this process are included in **Appendix A**.

The important themes that emerged were:

1. *Allow sub-regional flexibility:* Subregional steering committees did not want to be constrained by a rigid scoring system that dictated the final project lists. However, the subcommittees did appreciate having a set of tools available such as pre-ranked or sorted project lists.
2. *Multiple purposes of project prioritization:* The project prioritization process, in addition to being a method to determine projects for funding and implementation, should also serve to spur the enhancement and integration of existing projects, as well as guiding the development of new projects.

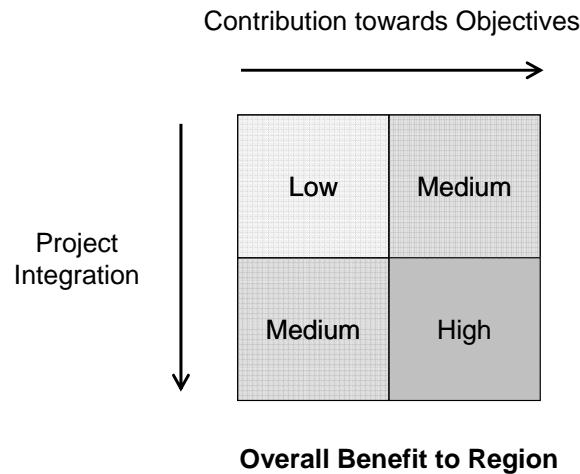
In addition, a number of corrections to the data processing algorithms and to the scoring methods were recommended to improve the scoring process and ensure its relevancy and usefulness. Specific recommendations for revisions to the project database are listed in **Appendix C**.

4 Recommended Prioritization Framework

The Draft Prioritization Framework was revised after feedback obtained during the prioritization exercise and the final recommended framework for prioritization was developed to allow implementation of the prioritization process described in **Figure 1**. Modifications that were made to the Draft Prioritization Framework are summarized in **Appendix D**. This section provides detailed information about the proposed framework, how the framework is to be applied, and examples of framework implementation.

A guiding principle for the framework is to identify projects that provide multi-objective, quantifiable benefits. This concept is illustrated in **Figure 2**, which illustrates that projects that are more capable of contributing towards objectives while simultaneously achieving high levels of integration will have the highest potential benefits for the region.

Figure 2: Project Integration and Degree of Benefit Relationship to Regional Benefit



4.1 Prioritization Categories and Framework Components

As shown in **Table 1**, prioritization in this recommended framework will be based on considerations that fall under the categories of regional IRWMP objectives, sub-regional priorities and preferences, and readiness to proceed. To promote consistency throughout the Region while maintaining flexibility within the sub-regions, the general framework assumes that prioritization criteria for regional benefits and readiness-to-proceed categories will be standard among all the sub-regions while the sub-regional priorities and preferences are subject to modifications by the steering committees.

Table 1: Prioritization Categories, Considerations Addressed and Framework Components

Categories	Considerations Addressed	Framework Components
Regional Benefits¹	<ul style="list-style-type: none"> • Regional solutions • Regional funding priorities • Regional and State political support 	<ul style="list-style-type: none"> • Addresses multiple IRWMP objectives • Contribute toward regional targets
Sub-Regional Priorities and Preferences²	<ul style="list-style-type: none"> • Local political support • Local decision making • Local funding priorities 	<ul style="list-style-type: none"> • Local preference for IRWMP objectives • Other factors identified by the sub-region
Readiness to Proceed¹	<ul style="list-style-type: none"> • Increase funding opportunities • Increase likelihood of funding • Meet State priorities 	<ul style="list-style-type: none"> • Technical documentation • Cost and Cost-share • Schedule / CEQA / site ownership • Local support

Notes:

1. Consistent among all sub-regions.
2. Some variation allowed by sub-region.

By structuring the general framework in this fashion, the framework strives to accomplish a number of important objectives:

- Provides information to each steering committee and the Leadership Committee as to how well each project meets a variety of criterion.

- Provides a common framework so that results from one sub-region can be compared to results from other sub-regions.
- Provides flexibility for how sub-regional steering committees utilize the information.
- Provides information on project readiness but does not require that it be considered in project rankings.

4.2 Project Review

For the project review step, scoring methods were developed to allow objective comparison of projects. These methods facilitate the process by allowing efficient examination of the projects and comparison on a similar basis. The relationship of information used for scoring to the input fields of the project database is shown in **Appendix B**. Due to the large number of projects involved, a semi-automated procedure is critical to allow efficient screening of projects as well as promote objectivity. The result of the screening and scoring process is to create ranked lists of projects for each category in **Table 1**. Once the ranked lists have been created, sorted lists can also be developed allow projects to be compared against each other on a similar basis.

The section is organized around the three prioritization categories outlined in **Table 1** and describes an evaluation and scoring system that can be used as a tool for project review. The discussion under each category includes a table that identifies the category's primary framework components and the proposed scoring using the associated Project Database item(s) that will be used to evaluate projects.

4.2.1 Scoring Functions

There are two scoring functions used to support the framework. The first awards high, medium or low points (H/M/L) based quantifiable project information. The second is a Yes-No (Y/N) system that allots a certain number of points if a project meets a criterion and zero points if it does not. A weighted system that provides a sliding scale of points based on rank can be applied to the Y/N system to account for priorities between criteria. Each prioritization category is scored separately.

To highlight how scoring might work in the project review step and to better demonstrate the functionality of the framework, example projects have been created to more clearly illustrate what project characteristics are emphasized by the framework. Most of the project characteristics described below are accounted for in the scoring methods, while some such as disadvantaged community benefits and multiple partners/subregions would be accounted for during the project consideration step. The four example projects are described in **Table 2**.

Table 2: Example Projects

Project Type	Description
Project 1: Large single-purpose water supply project	<ul style="list-style-type: none"> • Produces quantified water supply benefits. • Includes rehabilitation of existing water supply delivery infrastructure. • Has completed all design, permitting and environmental clearance and is ready for construction. • All funding has been secured.
Project 2: Moderate-sized recycled water project	<ul style="list-style-type: none"> • Creates new water supply while reducing a discharge to a water body that contains constituents subject to water quality regulations. • Provides a benefit to a local disadvantaged

Project Type	Description
	<p>community.</p> <ul style="list-style-type: none"> Discussions for agreements necessary to deliver recycled water have been initiated Conceptual and preliminary plans have been completed while land acquisition, permitting and final design are in process. Efforts to secure funding are in progress.
Project 3: Small open-space and recreation study	<ul style="list-style-type: none"> Will gather information and monitoring data that will lead to design of a project that will offer open space and habitat benefits. Will not enhance water quality or water supply. Preliminary supporting studies have been conducted. Efforts to secure funding are in progress.
Project 4: Multi-objective project water quality improvement project that also produces quantifiable benefits for water supply, habitat, open space and recreation	<ul style="list-style-type: none"> The project is in the conceptual stage and no information is available regarding planning, design, or permitting. Funding opportunities are not yet being explored.

4.2.2 Regional Benefit Scoring Category

Given that the IRWM planning effort is region-wide, it is important that the framework reflect the regional principles and objectives articulated in the IRWMP that have been adopted by members of the Leadership Committee, members of the steering committees, and other stakeholders. As such, appropriate principal criteria for evaluating regional benefits are the adopted IRWMP objectives and targets. **Table 3** summarizes the IRWMP objectives, sub-objectives and targets. The “Sustain Communities” objective is currently not included in the project database and is recommended to be added to the project database (see **Appendix C**).

Table 3: IRWMP Objectives, Sub-objectives and Targets

Objectives	Sub-objectives	Targets
Improve Water Supply	Increase water supply reliability	Provide 800,000 afy of new supply and/or demand reduction
	Increase reclaimed water usage	Reuse/Infiltrate 130,000 afy of reclaimed water
Improve Water Quality	Comply with water quality regulations	Dry Weather: Reduce/Reuse 150,000 afy; Capture/Treat 170,000 afy Wet Weather: Reduce/Reuse 220,000 afy; Capture/Treat 270,000 afy
	Improve groundwater quality	Treat 91,000 afy of contaminated groundwater
Enhance Habitat	Protect, restore & enhance natural processes & habitats	Restore 100+ miles of riparian and buffer habitat
		Restore 1,400 acres of functional wetland habitat

Objectives	Sub-objectives	Targets
Enhance Open Space, Recreation	Increase watershed friendly recreational space	Develop 30,000 acres of recreational open space
		Focus recreation space on under-served communities
Sustain Communities	Maintain and enhance public infrastructure	Repair and/or replace 40% of aging infrastructure

Table 4 presents an example evaluation and scoring sheet for the Regional Benefits category. The sheet includes degree of benefit (DOB) evaluation, which recognizes projects that have a larger contribution to meeting objective targets. DOB scoring is based on quantitative values for each category based on which bracket [low (5 points), medium (10) or high (20)]. This scoring is designed to provide a maximum score of 100 points and to achieve a balance between degree of benefit and integration. Thus, 1 large single purpose project = 1 project that integrates two medium objectives = 1 project that integrates four small objectives.

Some future changes to the Project Database that are recommended to more fully capture project metrics of importance are shown in **Appendix C**.

Table 4: Example of Regional Prioritization Evaluation and Scoring

ID	Framework Components	Screening and Scoring Methods			Project Database Information				Project Scoring Examples				
					1	2	3	4	1	2	3	4	
A.	Contribution to Planning Targets	Degree of Benefit											
		H (20 pts)	M (10 pts)	L (5 pts)									
A.1	Improve Water Supply - Total (AFY)	>1000	100-1000	<100	10,000	1,000	-	500	20	10	0	10	
A.2	Improve Water Quality* – (MGD)	>10	1-10	<1	-	5	-	1.5	0	10	0	0*	
A.3	Groundwater* (AFY)	>1000	100-1000	<100	-	-	-	1,500	0	0	0	20	
A.4	Enhance Habitat (AC)	>10	1-10	<1	-	-	0.1	10	0	0	5	10	
A.5	Enhance Open Space, Recreation (AC)	>10	1-10	<1	-	-	0.5	5	0	0	5	10	
A.6	Sustain Communities (% of system)	>5%	1-5%	<1%	3%	-	-	-	10	0	0	0	
TOTAL		Out of 100			TOTAL				30	20	10	50	

Notes:

* Each project can be awarded points for either A.2 (Improve Water Quality) or A.3 (Groundwater), whichever is greater. For example, Project 4 has quantitative benefits for both criteria but is only awarded 20 points (not 20+10=30 pts)

H/M/L High, medium, and low category, with associated points

4.2.3 Sub-Regional Priorities and Preferences Scoring Category

Each sub-region has a unique set of characteristics and needs determined by the stakeholders within the sub-region. In order to capture these differences, the sub-regional priorities and preferences category allows for a sub-regional ranking and weighting of regional objectives. The sub-regional scoring category also attempts to allow for smaller projects to be competitive and to reward multi-benefit projects by giving credit for how many objectives are addressed, rather than the degree of benefit offered. **Table 5** presents an example evaluation and scoring sheet for the Sub-Regional Priorities and Preferences category. The sheet includes the following assumptions:

- Objectives are weighted based on ranking by each steering committee and given a weight associated with the ranking (1 to 5). Steering committees are to determine how to establish appropriate weighting, if any.
- Objectives receive a score if there is a qualitative value for each B.1 category.

Other Sub-regional priorities such addressing the needs of disadvantaged communities can be added as a category with appropriate scoring mechanisms at the discretion of the steering committee.

Pre-ranked lists are the outcome of the project review step. These lists provide an objective score for projects and a starting point for project consideration. A way to use the pre-ranked list is to take a top pool of projects based on score and evaluate these further in the project consideration step with the aid of lists sorted by other categories.

Lists sorted by different categories of interest to a sub-region can aid steering committees obtain a balance of projects within a sub-region based on their preference. **Figure 3** shows some potential categories that could be employed by sub-regions. The lists can also then be sorted by scores to determine the best projects within a category. A list sorted by primary water management areas might help a sub-region obtain a desired mix of water supply, water quality, habitat and open space projects. The primary water management area for a project can be obtained through examination of the primary objectives that were designated for the project in the database. The project type category identifies how a project addresses water management area(s) and can be useful in determining how to evaluate a project. A new field is recommended to be added to the database so that project proponents can indicate project type. Finally, projects can be categorized by their ability to serve the needs of DACs. DAC information has already been indicated for projects in the database. Examples of sorted lists are provided in **Appendix E**.

Figure 3: Potential Categories for Sorting Project Lists

Primary Water Management Area	Project Type	Disadvantaged Communities
Water Supply Water Quality Habitat Open Space	Structural Non-Structural Educational Monitoring Studies	DAC Benefits No DAC Benefits

Table 5: Example of Sub-regional Priorities and Preferences Evaluation and Scoring

ID	Framework Components	Screening and Scoring Methods		Project Database Information				Project Scoring			
				1	2	3	4	1	2	3	4
B	Prioritized Objectives <i>Sub-Regions: Rank Objectives</i>	Weighted Yes/No Scoring									
			Rank (Pts)								
B.1	Improve Water Supply	Y/N	1 (27 pts)	✓	✓		✓	27	27	-	27
B.2	Improve Water Quality	Y/N	2 (23 pts)		✓		✓	-	23	-	23
B.3	Enhance Habitat	Y/N	3 (20 pts)			✓	✓	-	-	20	20
B.4	Enhance Open Space, Recreation	Y/N	4 (17 pts)			✓	✓	-	-	17	17
B.5	Sustain Communities	Y/N	5 (13 pts)	✓				13			
TOTAL		Out of 100		TOTAL				40	50	37	87

Notes:

- Ranking of project alternatives allows each sub-region to emphasize (weight) different types of projects that the sub-region prefers.

Y/N Yes or no; associated points are all or nothing

4.2.4 Readiness-to-Proceed Scoring Category

Table 6 presents an example evaluation and scoring sheet for the Readiness to Proceed category. During the prioritization exercise, it was noted that different types of projects would require alternate sets of readiness-to-proceed criteria. Because some components will not apply to a particular project (marked as “Not Applicable” by project proponents), the score is normalized by the total of the components that do apply and the final score is given on the basis of 100 points in order to achieve project scores are directly comparable. The sheet includes the following assumptions:

- Each C.1 item should have one of four entries: Complete (C), In Process (IP), Not Initiated (NI), Not Applicable (NA).
- Each C.1 item receives 10, 5, or 0 points for C, IP, or NI, respectively; components marked not applicable are indicated by a dash.
- Start Date (C.2b) helps define when significant expenditures will begin and indicate that benefits should begin to accrue soon after.

Suggested recommendations should be considered in future implementations of the readiness-to-proceed scoring:

1. The RTP scoring category is most valuable as a method for screening the selection of projects for grant funding in the near future, but should always be used in conjunction with the regional and sub-regional scoring to properly evaluate the merits of projects.
2. Due to lack of detail, low RTP scores may result for either conceptual projects or from project proponents with limited resources, such as non-profit organizations, even though they may otherwise represent priority projects as identified through regional and sub-region scoring. In such cases, these projects should be flagged to receive possible project development assistance to help bring the projects closer to implementation. A possible way to facilitate this would be through partnering with other project proponents, or integration into other, well developed projects.
3. Evaluation of projects for grant funding should include applicable information specific to the grant requirements and in addition to RTP scoring.

Table 6: Readiness-to-Proceed Prioritization Evaluation and Scoring

ID	Framework Components	Screening and Scoring Methods				Project Database Information				Project Scoring Examples				
						1	2	3	4	1	2	3	4	
C.1	Documentation Progress	Degree of Completeness												
		H (10 pts)	M (5 pts)	L (0 pts)	N/A									
C.1a	Conceptual Plans	C	IP	NI	NA	C	C	NA	NI	10	10	-	0	
C.1b	Land Acquisition	C	IP	NI	NA	C	IP	NA	NI	10	5	-	0	
C.1c	Preliminary Plans	C	IP	NI	NA	C	C	C	NI	10	10	10	0	
C.1d	Permits	C	IP	NI	NA	C	IP	NA	NI	10	5	-	0	
C.1e	Construction Drawings	C	IP	NI	NA	C	IP	NA	NI	10	5	-	0	
C.1f	Necessary Agreements*	C	IP	NI	NA	NA	IP	NA	NI	-	5	-	-	
C.2	Feasibility, Cost, Schedule, & Support	Defined Benchmarks												
		H (10 pts)	M (5 pts)	L (0 pt)	N/A									
C.2a	Funding Sources	C	IP	NI	NA	C	IP	IP	NI	10	5	5	0	
C.2b	Schedule – Project Start	2008-10	2011-12	2013+	NA	2009	2011	2010	2013	10	5	5	0	
	PERCENT COMPLETE (%)	Out of 100%				TOTAL				70	50	20	0	
						POSSIBLE				70	80	30	70	
						PERCENT COMPLETE (%)				100	62.5	66.7	0	

Notes:

- * Information not in database
- C Complete
- H/M/L High, medium, and low category, with associated points
- IP In Process
- NI Not Initiated
- NA Not Applicable

4.2.5 Agency Filters

Agency filter is a provision that an agency be limited to no more than a certain number of projects (say 1 or 2) in the top pool of projects. This helps ensure a reasonable distribution of projects across agencies.

4.3 Project Consideration

The project consideration step takes place after project review and involves an in-depth evaluation of the scored projects from the project review step. Project consideration is informed by the project review outcome, but it is a more subjective process and allows factors to be taken into account that are not quantifiable. The purpose of project consideration is to narrow down the projects to achieve a final set of projects for a specific purpose. For example, to select projects for funding applications, project consideration would usually be driven by factors related to requirements of the application, such as to degree of integration, regional parity and overall balance of project types in the case of IRWMP grant applications.

Thus, the framework combines the objective project review process with a subjective evaluation conducted by the steering committees in the project consideration step. As in project review, there are tools that can be created to support decision making. Based on the comments from the steering committees, the following potential tools were identified:

5 Framework Implementation

To effectively implement the prioritization framework, three elements need to be addressed:

- Region-wide consistency and sub-regional flexibility
- Implications of missing or incomplete data
- Next steps

5.1 Region-Wide Consistency and Sub-Regional Flexibility

In developing this framework, a balance was sought between the need to have consistency across the region with the ability for sub-regional steering committees to identify projects most important to their sub-regions. To summarize, the recommended framework provides region-wide consistency and sub-regional flexibility in the following manner:

Region-wide consistency found in:

- Overall framework
- Regional benefits category
- Ranking of regional objectives under sub-regional priorities category
- Readiness-to-proceed category

Sub-regional flexibility found in:

- Actual ranking of regional objectives
- Inclusion of other factors under sub-regional priorities
- Subjective review of scoring where identified
- Interpretation of scoring and ranking from the three categories

5.2 Implications of Missing or Incomplete Data

As discussed in Section 2.4, the majority of projects in the current database lack complete information. As such, when the proposed prioritization framework was initially applied, many projects scored low simply because the information (1) did not yet exist or (2) exists but had not yet been entered into the database. Ultimately, the project database will be refined to reflect the prioritization framework and project proponents will be held accountable for the completeness and accuracy of information provided. The impact of missing or incomplete data can be significant and present a skewed picture of the desired project prioritization.

5.3 Next Steps

Actions by the sub-regional steering committees and the Leadership Committee are necessary to finalize the framework and move forward with the process. The most immediate driving force will be the grant funding application process for Proposition 84, which is expected to begin in mid 2008. The initial prioritization efforts under this framework will be used for this process, thus creating the urgency for finalization and implementation of the framework.

The following actions are suggested:

- Update project information.
- Make recommended modifications to the Project Database and entry form (**Appendix C**).
- Determine milestones or triggers for reprioritizing and re-ranking projects (e.g. Prop 84).
- Continue discussions and obtain agreement on how prioritization tools will be applied and a schedule for prioritization.
- Identify and pursue opportunities for project enhancement and integration.

Attachments

- A. Summary of Steering Committee Comments**
- B. Project Database and Relationship to Scoring**
- C. Suggested Project Database Revisions**
- D. Summary of Changes from Draft Prioritization Framework**
- E. Examples of Sorted Lists**

APPENDIX A

Summary of Steering Committee Comments

Compilation of Comments on Prioritization Framework from March 2007 Steering Committee Meetings

- Are we trying to identify the best projects, or the best projects that are ready for a grant application?
- Should we review every project, or just a subset?
- How to deal with the significant limits on the information in the project database?
- Should project prioritization respond to local (e.g., subregional) priorities?

The issue of how cost-benefit analysis fits into this process was raised:

- Last round of funding State wanted rigorous cost/benefit evaluation of projects
- What stage do we need to look at costs & benefits?
- Need to address benefits and costs to get there
- How to address the economic value of open space and habitat, given that many economic models give open space/habitat a low benefit value?

It was suggested that perhaps a first step, integration of projects be considered. This could include geographic integration, or by adding additional features (e.g., a trail component) to projects. It was noted that this concept requires good location information (which many projects lack) and complete project information (to adequately identify project features). Are we trying to find the best projects, or trying to "generate" the best projects?

It was suggested that waiting to integrate 10 projects at the end may miss some great project opportunities. If fewer project concepts were removed in the initial step, more project ideas could be considered in this process.

It was suggested that some additional screening questions would be useful in the project database, such as:

- Do you own or control the property?
- Is this a multi-regional or regional project?

Other possible issues to consider:

- Relative contribution (e.g., a project from a small jurisdiction with a large benefit)
- The life-cycle (or longevity) of project – how long will the benefit accrue?
- Has Green Visions identified a prioritization structure?

The concept of a local weighting factor was discussed. It could be a simple matter of ranking the top-tier objectives (e.g., improve water quality), or assigning values to more specific targets or objectives (e.g., clean-up groundwater). These values could be assigned by the steering committee, or generated by a statistical measure (to assure a range of values). Mixed feelings were expressed about the utility of a weighting structure or the use of the statistical measure.

Other questions:

- Will the Leadership Committee respect the decision of the Steering Committees (e.g., each subregions top projects would be chosen for a grant application), or will the LC merge projects lists to generate a new list of priorities?
- Should the SC respect the prioritization decisions of other groups (e.g., watershed plans)?
- How do we incorporate projects from other entities that did not participate in the IRWMP Call for Projects?

- Applicant match capability should be looked at
 - Readiness to proceed important
 - Database contains a lot of good ideas with no detail, but the money is to build something
 - Could have two cuts: one irrespective of readiness to proceed
 - If there are projects that would meet the needs of a program but are not ready, should look at why they are not ready
 - Santa Monica Mountains Conservancy went through effort of ranking programs by region, but go by readiness
 - Going to take projects that meet criteria for what you're doing/applying for at that point
 - Thinking too narrowly if just thinking in terms of DWR funding
 - Issue of projects listed as regional when they are not
 - Reason we need lat/long
 - Consensus was that that first cut should remove projects with no proponent contact info
 - Some were uncomfortable with using quantified benefits to cut projects
 - How are numbers verified?
 - Water quality benefits hard to quantify
 - Open space projects have water supply/quality benefits because they prevent land from being developed- how do you quantify?
 - More mixing, matching, and integrating needed; could get people together at SC level to improve projects
 - USGR sub-region had least amount of listed water quality benefits- would get shortchanged
 - When list has been narrowed to 100-120 projects, should invite projects proponents to meeting
 - If they don't come, park it
 - Can't have consultant working on people's projects in database
 - At some point, should have opportunity to look at/visit projects
 - concerned that sub-region loses control of project selection
 - ought to know more about projects than what is on paper
 - Want to leave the door open for "smell test" at end of prioritization
 - Should address feasibility
 - Does the project make sense/get you to where you're going with it?
 - Have to give proponents an opportunity to self-rank
 - Discussion on whether projects that are education in orientation should be included; consensus was that these projects should be looked at during integration step
-
- The framework should identify the best set of projects for multiple funding sources, and should not simply focus on the next grant opportunity.
 - The framework should include a ranking factor to address critical needs of local area (For example, some older cities have aging infrastructure that if repaired would lead to conservation of water supply, or improvement of water quality)
 - The framework should acknowledge the needs to assist disadvantaged communities
 - Disadvantaged communities will need planning funds to identify critical needs
 - Perform gap analysis to determine:
 - Where are projects needed
 - Outreach to the gap areas

- Need planning funds to help close the gap
 - What organizations can help to plan and implement projects
- Subregional targets and quantified benefits
 - Some commenters suggested that subregional quantified targets are needed to help determine what projects are appropriate for the subregion. Other commenters didn't think subregional targets were needed at this stage.
 - IRWMP assesses how far we have come and where we are short
- The framework should allow for a balance of the most appropriate set of projects, and not just rank projects individually against each other. The ultimate goal is to develop the best program for the subregion, not simply the best projects.
- Framework should consider the need to consider health and safety
- There are a lot of single purpose projects on the list. Need to put together a list of targets for this round and assemble projects to meet targets through a balanced program.
- There is ultimately a need for a subregional plan to fill gaps in the future
- Create list of projects then target projects that are the best fit for a funding source.
- State is asking the Region to determine what the Region really needs, rather than relying on the State to make that determination.
- State has endorsed the concept of the LA IRWMP quantified targets.
- Framework should acknowledge the importance of small projects, and should encourage small projects to be combined with larger projects.
- Add "balanced program" as ranking criteria.
- Consider regional ideas that don't have a location, but integrate to any project
- Other criteria that should be included in framework:
 - Funding requirements
 - Practicality of project
 - Project readiness
- Larger regional agencies may be able to offer assistance to manage projects to help get smaller stakeholders involved. Consider an administration fee to be charged to reduce reluctance to manage.
- Subregions should be in control of their own destiny, and offer recommendations for projects for the Region.
- The Leadership Committee should continue to provide input on consistency of projects regionally, and offer input on the best set of projects for the Region.
- Consider defining a separate category for small projects that may not fit in other categories.
- Need to encourage project proponents to fill in information gaps in existing IRWMP database to include:
 - Range of Costs
 - Location
 - Ownership of property
 - Etc
- Use database as gathering point of all project info
 - Finalize format of database
 - Consultant will start evaluating projects on May 1
- Waiting until the end to integrate projects may miss some good projects.

- The Steering Committee should consider the prioritization framework as a tool, but ultimately there needs to be a discussion at the Steering Committee regarding the selection of the projects.
- There should be qualitative and quantitative components to the prioritization framework.
- Intra-subregional projects need should be addressed.
- Don't like the idea of assigning weights to targets.
- Don't want to overlook projects
 - Analysis of how well project meets overall goals
 - Look at projects without quantified benefits listed
 - Rank projects first then look at GIS
 - Should consider a special meeting with Steering committee to go through list of existing projects.
- The first cut of projects should be made in mid-May. There should there be another meeting to discuss what projects made or didn't make the first cut.
- The Subregional Steering Committee would like to test the framework based on the first cut of projects, and then revisit it to assure it delivers the appropriate results
- The framework needs flexibility
- The framework should encourage subregional autonomy
 - Different framework for each subregion
 - Same framework for each subregion with different weights
 - Maintain consistency to keep regional feel
- Framework should highlight important issues to subregion, but still meet regional goals
- Framework should encourage balanced programs

Compilation of Comments on Prioritization Framework from April, May and June 2007 Steering Committee Meetings

- The Framework has multiple uses. It should be used to:
 - To guide decision making for project implementation and funding
 - To identify opportunities for project improvements and integration
 - Identify gaps and project needs - e.g. DACs
 - Identify conceptual projects that are valuable to Region, but need development assistance.
- Each subregion will determine how to employ the tools provided in the framework for decision making and project selection. This could combinations of:
 - Scoring system results
 - Filters
 - Subjective Review
- Scoring algorithms should be well designed to accurately reflect the proper credit for the desired project characteristic. Some specific items mentioned by steering committees:
 - Use linear mile for trails, paths
 - Count treatment wetlands as habitat/open space
 - Subjective Review

Suggested alternate methods for implementing prioritization Framework.

Each subregion has unique needs and the prioritization framework has flexibility to allow subregional steering committees to develop a prioritization method that allows consideration of these needs to choose projects that are best for the subregion, while at the same time address regional needs.

- One method is to utilize various combinations of scoring methods to determine project rankings and a final set of projects.
- Another method is to develop categorized project lists sorted by project type (construction, study, education), primary water management area (water supply, water quality, habitat, etc.), and DAC status and ranked within each list by a scoring method.
- The subregion decides an appropriate mix of projects for the subregion and then chooses a certain number of projects to meet this percentage.

APPENDIX B

Project Database and Relationship to Scoring

1.) Lead Implementing Agency/Organization Information (Red boxes indicate required fields)

Please provide the following information regarding the project sponsor and proposed project.

Implementing Agency / Organization / Individual :

Agency / Organization / Individual Address:

Possible Partnering Agencies / Land Managers:

First Name:

Last Name:

Title:

Telephone: (ex. '999-123-1234')

Fax: (ex. '999-123-1234')

E-mail:

Website:

Project Title:

Project Sub-region (supply up to three):

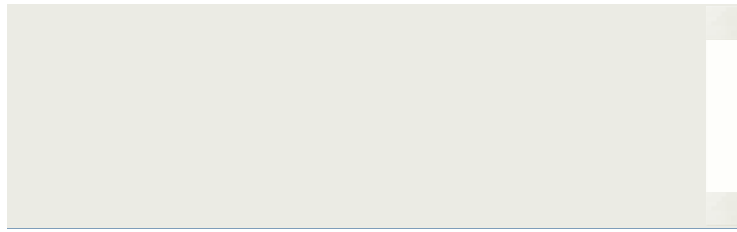
Not Available	<input type="checkbox"/>
Not Available	<input type="checkbox"/>
Not Available	<input type="checkbox"/>

Either the latitude/longitude or a location description is required. To determine the latitude/longitude, use the closest address or intersection. If the project is linear, use the furthest upstream latitude/longitude.

Project Latitude: [Find Lat/Long](#) (ex. '34.047555')

Project Longitude: (ex. '-118.445033')

Location Description:



Project Cooperating Agency(ies)/Organization(s)/Individual(s):

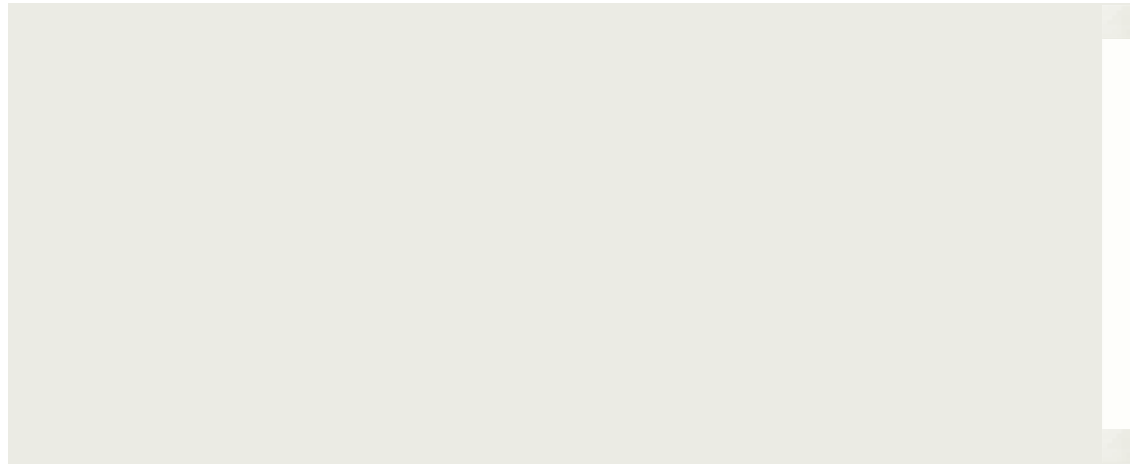
Project Status:

New	
-----	---

2.) Project Need

It is important to understand the need(s) or issue(s) that the proposed project will address and the benefits that it will provide . Information provided in this section defines the need(s) or issue(s) that the proposed project will address and will help to catalog existing need(s) or issue(s) in the Greater Los Angeles County Region.

Please provide a 1 -2 paragraph description of the need(s) or problem(s) that the project will address. As applicable, discuss the water quality / flood management need, water supply need, or beneficial use (e.g. habitat, open space, and/or recreation) need. Discuss critical impacts that will occur if the proposal is not implemented. (1024 characters maximum)



3.) Project Description (Red boxes indicate required fields)

A general description of the proposed project is needed. This section will provide information associated with the project concept, general project information, and readiness to proceed. It is recognized that much of the requested information may not be available for projects that are at a conceptual level of project development. We appreciate and need your ideas.

Please provide a 1 – 2 paragraph description of the project including the general project concept, what will be constructed/implemented, how the constructed project will function, and treatment methods, as appropriate. (1024 characters maximum)

If applicable, supply up to three watershed / surface water bodies or groundwater basins associated with the proposed project.

Not Available	<input type="checkbox"/>
Not Available	<input type="checkbox"/>
Not Available	<input type="checkbox"/>

Please identify up to three available documents which contain information specific to the proposed project. (Project Sources)

Please indicate the primary objective and secondary objectives for proposed project. (Check all that apply)	
Water Quality Objectives	
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Storm water or urban runoff water quality improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Wastewater effluent water quality improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Receiving water body quality improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Improved flood management
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Ground water protection or improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Other (Please State): <input type="text"/>
Water Supply Objectives	
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Reduced reliance on imported water
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased water supply reliability
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased operational flexibility
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased water conservation or water use efficiency
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased water reclamation or recycling
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased groundwater recharge, recovery and management
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Reduced sea water intrusion
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Protect/improve drinking water standards
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Other (Please State): <input type="text"/>
Beneficial Use (e.g. habitat, open space, recreation) Objectives	
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Creation or enhancement of wetlands (non-treatment)
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Restoration and protection of habitat (Upland, Riparian, Aquatic, and Wetland)
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Creation or enhancement of public access, recreation, or open space
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased in-stream flow
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Other (Please State): <input type="text"/>

LINK TO SCORING ID

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes
If yes, please identify the program. (Project Integration)	

Proposed Construction/Implementation Start Date (mm/dd/yyyy):	Proposed Construction/Implementation Complete Date (mm/dd/yyyy):
C.2b (RTP)	
Ready For Construction Bid:	N/A <input type="checkbox"/>

C.2b - Schedule
Project Start

Item	Status	Date
Conceptual Plans	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Land Acquisition/Easement	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Preliminary Plans	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
CEQA/NEPA	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Permits	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Construction Drawings	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Funding	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)

C.1a Conceptual Plans
C.1b Land Acquisition
C.1c Preliminary Plans
C.1d Permits
C.1e Const. Drawings
C.2a Funding Sources

For projects that do not include construction, please briefly describe the project readiness-to-proceed. (1024 characters maximum)

C.1f Necessary Agreements (recommended to be added)

4) Project Benefits (Red boxes indicate required fields)

Describe the benefits that the project will accomplish. Please provide input to characterize the benefits of the proposed project. Information provided will be used in the assessment of project benefits.

Please provide a 1 -2 paragraph description of the benefit(s) that the project will address. As applicable, discuss the water quality / flood management benefit, water supply benefit, or beneficial use benefit. (1024 characters maximum)

Please select the dominant existing land use type for the proposed project location.

Please select the dominant land use type for areas upstream and downstream of the proposed project location.

Does the project address any known environmental justice issues?

Is the project located within or adjacent to a disadvantaged community?

Does the project include disadvantaged community participation?

If yes, please identify the group or organization

Please provide the following project benefit information for all applicable components of the proposed project. Benefit categories include water quality / flood management, water supply, and beneficial use. **PLEASE ATTEMPT TO SUPPLY ALL INFORMATION RELEVANT TO YOUR PROJECT. THIS INFORMATION WILL BE USED TO ANALYSE AND ASSESS PROJECTS FOR FUTURE FUNDING.**

WATER QUALITY / FLOOD MANAGEMENT BENEFITS

Project information provided will IRWMP to access water quality /flood management benefits to stormwater runoff, wastewater effluent, and receiving waterbody. If surface water detention and groundwater recharge are an additional project benefit, please provide information in the Water Supply Benefit section following.

[LINK TO SCORING ID](#)

Water Quality Benefit Information	
Treatment technologies	<input type="text"/>
Design operational treatment capacity (Million gal. / day)	<input type="text"/>
Targeted Contaminants (Check all that apply)	
<input type="checkbox"/> Metal <input type="checkbox"/> Nutrients Description (Water Quality Desc)	<input type="checkbox"/> Pathogens <input type="checkbox"/> Organic Pollutants (eg., pesticides) <input type="text"/>
	<input type="checkbox"/> Trash <input type="checkbox"/> Other (describe)

A.2 Imp. Water Quality

B.2 Imp. Water Quality

Flood Management Benefit Information	
Maximum volume of temporary storage of storm runoff (acre-feet)	<input type="text"/>
Maximum increased conveyance capacity (cubic feet / second)	<input type="text"/>
Estimated area benefiting from flood damage reduction (acres)	<input type="text"/>
Estimated level of flood protection resulting from project implementation.	Not Available <input type="text"/>
Other	0 <input type="text"/>
Estimated annual value of flood damage reduction provided by project (\$ / Year)	<input type="text"/>
Acres required for project implementation	<input type="text"/>

WATER SUPPLY BENEFITS

Project information provided will help to quantify water supply benefits from enhanced local water supply or reduced potable water demand.

[LINK TO SCORING ID](#)

Enhanced Water Supply or Demand Reduction Benefit Information	
Source of increased supply or demand reduction	
<input type="checkbox"/> Groundwater <input type="checkbox"/> Groundwater treatment <input type="checkbox"/> Increased surface water storage <input type="checkbox"/> Recycled water <input type="checkbox"/> Conservation/water use efficiency <input type="checkbox"/> Ocean desalination <input type="checkbox"/> Transfer <input type="checkbox"/> Other (Describe) <input type="text"/>	
Type of enhanced supply or demand reduction	Not Available <input type="button" value=""/>
Description (Water Supply Description)	<input type="text"/>
Annual yield of supply (acre-feet/year)	<input type="text"/>
Availability by water-year type	
Average Year – Between 10 and 25 inches of rainfall (acre-feet / year)	<input type="text" value="0"/>
Dry Year – Less than 10 inches rainfall (acre-feet / year)	<input type="text" value="0"/>
Wet Year – Greater than 25 inches rainfall (acre-feet / year)	<input type="text" value="0"/>
Other Water Year (acre-feet / year)	<input type="text" value="0"/>
Description <input type="text"/>	
Availability by season (check all that apply)	
<input type="checkbox"/> Summer <input type="checkbox"/> Spring <input type="checkbox"/> Fall <input type="checkbox"/> Winter	
Does the project have the potential to displace demands on the Bay/Delta/Estuary system?	Not Sure <input type="button" value=""/>

B.1 Improve Water Supply

A.1 Improve Water Supply

For projects that include detention and groundwater recharge, please complete the following:	
How many acres of land drain into this detention basin approximately? (acres)	<input type="text"/>
Detention basin area (acres)	<input type="text"/>
Detention basin max. operational depth (ft.)	<input type="text"/>
% of basin covered by wetlands	<input type="text" value="0"/>
Soil type (based on Unified Soil Classification System)	Not Available <input type="button" value=""/>
If other than infiltration, identify method (e.g. injection) and recharge (acre-feet / year)	<input type="text"/>
Estimated basin annual inflow (acre-feet / year)	<input type="text"/>
Estimated basin annual outflow (acre-feet / year)	<input type="text"/>

A.3 Groundwater

A.6 Sustain Communities
(recommended to be added)

BENEFICIAL USE BENEFITS

Project information provided will help to quantify the benefits associated with projects that create or expand beneficial uses.

[LINK TO SCORING ID](#)

Beneficial Use Benefit	
Non-treatment wetland area (acres)	<input type="text" value="0"/>
Treatment wetland area (acres)	<input type="text" value="0"/>
Riparian habitat area (acres)	<input type="text" value="0"/>
Non-developed open space area (acres)	<input type="text" value="0"/>
Multiple use / recreation area (acres) – additionally, select the type of multiple use / recreation and associated acres by type Single Sport Athletics <input type="text" value="0"/> Multiple Sport Athletics Acres <input type="text" value="0"/> Other Recreation Acres <input type="text" value="0"/> Pedestrian Trail Acres <input type="text" value="0"/> Equestrian Trail Acres <input type="text" value="0"/> Other Passive Activity <input type="text" value="0"/> Other Acres (describe) <input type="text"/> Description (Public Access, Open Space, Habitat, Recreation) <input type="text"/>	
Total Project area (acres)	<input type="text" value="0"/>

A.4 Enhance Habitat

A.5 Enh. Open Space, Rec

B.4 Enh. Open Space, Rec

5.) Project Cost Estimate

Project cost information is needed to assist in comparing benefits and cost. Additionally, knowledge of the project type and cost will assist in identifying funding sources for potential projects.

Please indicate the estimated total capital cost for project implementation. These costs include land purchase/easement, planning/design/engineering, construction/implementation, environmental compliance, administration, and contingency.

Lower Estimated total capital cost (\$)

Upper Estimated total capital cost (\$)

Of the total capital cost, please indicate the estimated cost for land purchase / easement (\$)

Annual Operation and Maintenance Cost (\$)

Design Life of Project Years (years)

APPENDIX C

Suggested Project Database Revisions

NOTE: DATABASE REVISIONS ARE FOUND ON PAGES 7,9,10 and 11

1.) Lead Implementing Agency/Organization Information (Red boxes indicate required fields)

Please provide the following information regarding the project sponsor and proposed project.

Implementing Agency / Organization / Individual :

Agency / Organization / Individual Address:

Possible Partnering Agencies / Land Managers:

First Name:

Last Name:

Title:

Telephone:

 (ex. '999-123-1234')

Fax:

 (ex. '999-123-1234')

E-mail:

Website:

Project Title:

Project Sub-region (supply up to three):

Not Available
Not Available
Not Available

Either the latitude/longitude or a location description is required. To determine the latitude/longitude, use the closest address or intersection. If the project is linear, use the furthest upstream latitude/longitude.

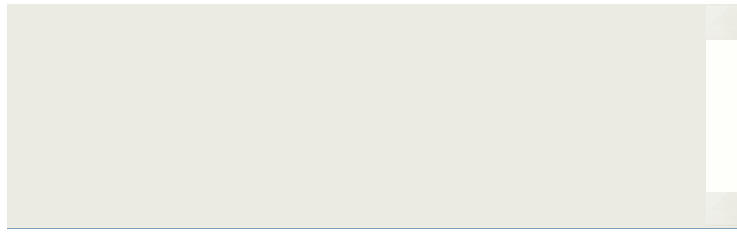
Project Latitude: [Find Lat/Long](#)

 (ex. '34.047555')

Project Longitude:

 (ex. '-118.445033')

Location Description:



Project Cooperating Agency(ies)/Organization(s)/Individual(s):

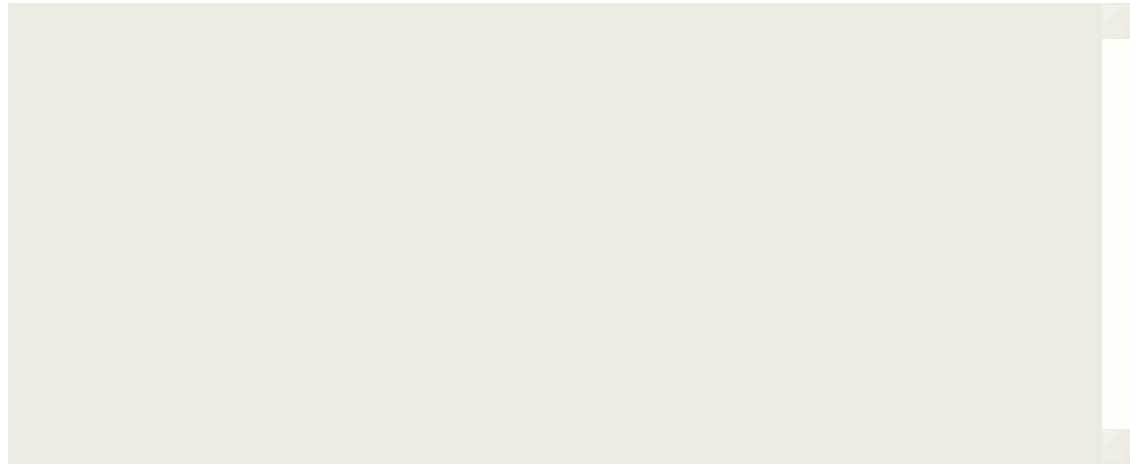
Project Status:

New	
-----	---

2.) Project Need

It is important to understand the need(s) or issue(s) that the proposed project will address and the benefits that it will provide . Information provided in this section defines the need(s) or issue(s) that the proposed project will address and will help to catalog existing need(s) or issue(s) in the Greater Los Angeles County Region.

Please provide a 1 -2 paragraph description of the need(s) or problem(s) that the project will address. As applicable, discuss the water quality / flood management need, water supply need, or beneficial use (e.g. habitat, open space, and/or recreation) need. Discuss critical impacts that will occur if the proposal is not implemented. (1024 characters maximum)



3.) Project Description (Red boxes indicate required fields)

A general description of the proposed project is needed. This section will provide information associated with the project concept, general project information, and readiness to proceed. It is recognized that much of the requested information may not be available for projects that are at a conceptual level of project development. We appreciate and need your ideas.

Please provide a 1 – 2 paragraph description of the project including the general project concept, what will be constructed/implemented, how the constructed project will function, and treatment methods, as appropriate. (1024 characters maximum)

If applicable, supply up to three watershed / surface water bodies or groundwater basins associated with the proposed project.

Not Available	<input type="checkbox"/>
Not Available	<input type="checkbox"/>
Not Available	<input type="checkbox"/>

Please identify up to three available documents which contain information specific to the proposed project. (Project Sources)

Please indicate the primary objective and secondary objectives for proposed project. (Check all that apply)	
Water Quality Objectives	
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Storm water or urban runoff water quality improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Wastewater effluent water quality improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Receiving water body quality improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Improved flood management
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Ground water protection or improvement
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Other (Please State): <input type="text"/>
Water Supply Objectives	
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Reduced reliance on imported water
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased water supply reliability
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased operational flexibility
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased water conservation or water use efficiency
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased water reclamation or recycling
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased groundwater recharge, recovery and management
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Reduced sea water intrusion
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Protect/improve drinking water standards
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Other (Please State): <input type="text"/>
Beneficial Use (e.g. habitat, open space, recreation) Objectives	
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Creation or enhancement of wetlands (non-treatment)
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Restoration and protection of habitat (Upland, Riparian, Aquatic, and Wetland)
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Creation or enhancement of public access, recreation, or open space
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Increased in-stream flow
<input type="radio"/> Primary <input type="radio"/> Secondary <input checked="" type="radio"/> NA	Other (Please State): <input type="text"/>

Is the proposed project an element or phase of a regional or larger program?	<input type="checkbox"/> Yes
If yes, please identify the program. (Project Integration)	

Proposed Construction/Implementation Start Date (mm/dd/yyyy):	Proposed Construction/Implementation Complete Date (mm/dd/yyyy):
Ready For Construction Bid:	N/A <input type="checkbox"/>

Item	Status	Date
Conceptual Plans	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Land Acquisition/Easement	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Preliminary Plans	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
CEQA/NEPA	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Permits	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Construction Drawings	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)
Funding	Not initiated <input type="checkbox"/>	(mm/dd/yyyy)

For projects that do not include construction, please briefly describe the project readiness-to-proceed. (1024 characters maximum)

Add field to indicate status of Necessary Agreements

4) Project Benefits (Red boxes indicate required fields)

Describe the benefits that the project will accomplish. Please provide input to characterize the benefits of the proposed project. Information provided will be used in the assessment of project benefits.

Please provide a 1 -2 paragraph description of the benefit(s) that the project will address. As applicable, discuss the water quality / flood management benefit, water supply benefit, or beneficial use benefit. (1024 characters maximum)

Please select the dominant existing land use type for the proposed project location.

Please select the dominant land use type for areas upstream and downstream of the proposed project location.

Does the project address any known environmental justice issues?

Is the project located within or adjacent to a disadvantaged community?

Does the project include disadvantaged community participation?

If yes, please identify the group or organization

Please provide the following project benefit information for all applicable components of the proposed project. Benefit categories include water quality / flood management, water supply, and beneficial use. **PLEASE ATTEMPT TO SUPPLY ALL INFORMATION RELEVANT TO YOUR PROJECT. THIS INFORMATION WILL BE USED TO ANALYSE AND ASSESS PROJECTS FOR FUTURE FUNDING.**

WATER QUALITY / FLOOD MANAGEMENT BENEFITS

Project information provided will IRWMP to access water quality /flood management benefits to stormwater runoff, wastewater effluent, and receiving waterbody. If surface water detention and groundwater recharge are an additional project benefit, please provide information in the Water Supply Benefit section following.

DATABASE REVISIONS

Water Quality Benefit Information	
Treatment technologies	
Design operational treatment capacity (Million gal. / day)	
Targeted Contaminants (Check all that apply)	
<input type="checkbox"/> Metal <input type="checkbox"/> Nutrients Description (Water Quality Desc)	<input type="checkbox"/> Pathogens <input type="checkbox"/> Organic Pollutants (eg., pesticides) [Text Input Box]
	<input type="checkbox"/> Trash <input type="checkbox"/> Other (describe)

Allow treatment capacity to be input as AFY as well as MGD

Flood Management Benefit Information	
Maximum volume of temporary storage of storm runoff (acre-feet)	
Maximum increased conveyance capacity (cubic feet / second)	
Estimated area benefiting from flood damage reduction (acres)	
Estimated level of flood protection resulting from project implementation.	Not Available
Other	0
Estimated annual value of flood damage reduction provided by project (\$ / Year)	
Acres required for project implementation	

WATER SUPPLY BENEFITS

Project information provided will help to quantify water supply benefits from enhanced local water supply or reduced potable water demand.

DATABASE REVISIONS

Enhanced Water Supply or Demand Reduction Benefit Information	
Source of increased supply or demand reduction	
<input type="checkbox"/> Groundwater <input type="checkbox"/> Groundwater treatment <input type="checkbox"/> Increased surface water storage <input type="checkbox"/> Recycled water <input type="checkbox"/> Conservation/water use efficiency <input type="checkbox"/> Ocean desalination <input type="checkbox"/> Transfer <input type="checkbox"/> Other (Describe) <input type="text"/>	
Type of enhanced supply or demand reduction	Not Available <input type="checkbox"/>
Description (Water Supply Description)	<input type="text"/>
Annual yield of supply (acre-feet/year)	<input type="text"/>
Availability by water-year type	
Average Year – Between 10 and 25 inches of rainfall (acre-feet / year)	<input type="text" value="0"/>
Dry Year – Less than 10 inches rainfall (acre-feet / year)	<input type="text" value="0"/>
Wet Year – Greater than 25 inches rainfall (acre-feet / year)	<input type="text" value="0"/>
Other Water Year (acre-feet / year)	<input type="text" value="0"/>
Description <input type="text"/>	
Availability by season (check all that apply)	
<input type="checkbox"/> Summer <input type="checkbox"/> Spring <input type="checkbox"/> Fall <input type="checkbox"/> Winter	
Does the project have the potential to displace demands on the Bay/Delta/Estuary system?	Not Sure <input type="checkbox"/>

Add field to collect information relevant to "Sustain Communities" (e.g. percent of system infrastructure replaced)

For projects that include detention and groundwater recharge, please complete the following:	
How many acres of land drain into this detention basin approximately? (acres)	<input type="text"/>
Detention basin area (acres)	<input type="text"/>
Detention basin max. operational depth (ft.)	<input type="text"/>
% of basin covered by wetlands	<input type="text" value="0"/>
Soil type (based on Unified Soil Classification System)	Not Available <input type="checkbox"/>
If other than infiltration, identify method (e.g. injection) and recharge (acre-feet / year)	<input type="text"/>
Estimated basin annual inflow (acre-feet / year)	<input type="text"/>
Estimated basin annual outflow (acre-feet / year)	<input type="text"/>

BENEFICIAL USE BENEFITS

Project information provided will help to quantify the benefits associated with projects that create or expand beneficial uses.

DATABASE REVISIONS

Beneficial Use Benefit	
Non-treatment wetland area (acres)	<input type="text" value="0"/>
Treatment wetland area (acres)	<input type="text" value="0"/>
Riparian habitat area (acres)	<input type="text" value="0"/>
Non-developed open space area (acres)	<input type="text" value="0"/>
Multiple use / recreation area (acres) – additionally, select the type of multiple use / recreation and associated acres by type Single Sport Athletics <input type="text" value="0"/> Multiple Sport Athletics Acres <input type="text" value="0"/> Other Recreation Acres <input type="text" value="0"/> Pedestrian Trail Acres <input type="text" value="0"/> Equestrian Trail Acres <input type="text" value="0"/> Other Passive Activity <input type="text" value="0"/> Other Acres (describe) <input type="text"/> Description (Public Access, Open Space, Habitat, Recreation) <input type="text"/>	
Total Project area (acres)	<input type="text" value="0"/>

Provide an option to indicate if treatment wetland should also be counted as habitat

Allow certain habitat and recreation fields to be input as miles where appropriate (e.g. riparian habitat, trails)

5.) Project Cost Estimate

Project cost information is needed to assist in comparing benefits and cost. Additionally, knowledge of the project type and cost will assist in identifying funding sources for potential projects.

Please indicate the estimated total capital cost for project implementation. These costs include land purchase/easement, planning/design/engineering, construction/implementation, environmental compliance, administration, and contingency.

Lower Estimated total capital cost (\$)

Upper Estimated total capital cost (\$)

Of the total capital cost, please indicate the estimated cost for land purchase / easement (\$)

Annual Operation and Maintenance Cost (\$)

Design Life of Project Years (years)

APPENDIX D

Summary of Changes from Draft Prioritization Framework

Modifications to Draft Prioritization Framework

Based on lessons learned and comments provided during the prioritization exercise, changes were made to the Draft Prioritization Framework (April, 2007):

- Removed Framework components A.2a: Multiple Sub-regions/Multiple Entities. This component was found to be not useful for distinguishing projects and was ill-defined.
- Removed Framework component A.2b: High Profile/Demonstration Project. This component was considered too subjective and hard to define.
- Add Framework Component A.6: Sustain Communities. This is an IRWMP objective. It was not included in the Draft Prioritization Framework because there is no field in the database. A recommendation going forward will be to add this component.
- Removed Framework Components B.2: Critical Needs and B.3: Disadvantaged Communities. The steering committees have expressed that these components represent valid considerations. However a better way to define and account for them is needed and should be discussed prior to the next prioritization cycle.
- Removed Framework Component B.4: Other Factors: This component was removed because it was determined that the steering committee in each subregion should determine how to account for other factors, whether by scoring or in a more subjective fashion.
- Added Framework component C.1f: Necessary Agreements. It was felt that readiness-to-proceed criteria should account for whether the consent of all agencies necessary to implement a project had been obtained.
- Removed Framework Components C.2: Project Feasibility, C.3: Cost Share and C.5: Local Support. These components that were removed were felt to be not well defined and better assessed during the project consideration step.
- Added Framework Component C.2a: Funding Sources. The status of funding was considered a key readiness-to-proceed indicator.

These changes were instituted to be responsive to input and to improve the process for integration. The framework is intended to be as flexible as possible, however and it is possible that some subregions may wish to continue using elements that were contained in the Draft Framework and to add components of their own.

APPENDIX E

Examples of Sorted Lists

**By:
Water Management Area
Project Type**

Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
314	West Basin Municipal Water District	Save-A-Buck Rebate Program	WS
2	Assorted Water Agencies	Irrigation credits/subsidies trading	WS
3	California Department of State Parks	California Department of State Parks General Plan	WS
20	City of Malibu	Broad Beach Stormwater Management	WS
27	City of Malibu	Malibu Recycled Water Delivery Project	WS
34	City of Malibu	Trancas Canyon Park Sports Field Development	WS
57	County of Los Angeles Department of Public Works	Public Cistern Projects	WS
59	Dorothy Green	Track Water Conservation By Consumers and Keep 50% of Waters Saved in Source Watersheds	WS
71	Las Virgenes Municipal Water District	Tank Farm Storage and Pumping	WS
72	Las Virgenes Municipal Water District	Trunk Sewer Rehabilitation Projects	WS
73	Las Virgenes Municipal Water District	Westlake Filtration Plant Enhancement	WS
74	Las Virgenes Municipal Water District	Automatic Sewer By-Pass	WS
426	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 1 - TO Bled extension	WS
427	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 2 - Decker Cyn. REW Facilitie	WS
428	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 3 - Agoura Gap REW Extension	WS
429	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 4 - Calabasas City Center REW	WS
430	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 5 - Construct Parallel 24-inc	WS
431	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 6 Expand Recycled Water Pump	WS
432	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 7 - Expand Recycled Water Res	WS
433	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 8 Convert Las Virgenes Reserv	WS
75	Las Virgenes MWD & Triunfo SD	Designer Bottled Recycled Water	WS
78	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS,WATERWORKS	SEPULVEDA FEEDER INTERCONNECTION	WS
125	Malibu Creek Watershed Council -- Conceptual Project List	Line Item Donation on Monthly Water Bills to Fund Water Buy-Back Program to Keep Water in Source Watersheds	WS
126	Malibu Creek Watershed Council -- Conceptual Project List	Education/outreach for Spanish-speaking Community with Message: Tap Water in Los Angeles IS Potable!	WS
129	Malibu Creek Watershed Council -- Conceptual Project List	Legalize+ Implement Safe/Healthy Toilet-to-Tap; Project Requires Preliminary Public Relations Effort to Create Public	WS
130	Malibu Creek Watershed Council -- Conceptual Project List	Native Plants Ordinance	WS
131	Malibu Creek Watershed Council -- Conceptual Project List	Consider Luxury Tax on Lawns	WS

Abbreviations:

WS - Water Supply, WQ - Water Quality,
H - Habitat, O - Open Space

Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
133	Malibu Creek Watershed Council -- Conceptual Project List	Consider Limits on Lawns at Golfcourses	WS
134	Malibu Creek Watershed Council -- Conceptual Project List	Consider Limits on Lawns/Lawn Size at Private Properties	WS
135	Malibu Creek Watershed Council -- Conceptual Project List	Consider luxury tax on lawns over 10' x 10'.	WS
137	Malibu Creek Watershed Council --	Consider Limits on New Sprinklers	WS
138	Malibu Creek Watershed Council --	Consider Ways to Replace Driveways With Permeable Services	WS
140	Malibu Creek Watershed Council --	Consider Medians Cut Down-slope to Infiltrate	WS
151	Malibu Creek Watershed Council --	More Storage for LVMWD Treated Effluent.	WS
152	Malibu Creek Watershed Council -- Conceptual Project List	Consider growing livestock, hay or fruit and vegetables at LVMWD dewatering sites.	WS
153	Malibu Creek Watershed Council -- Conceptual Project List	Get Permission from Health Department, County, Cities to Use Treated Effluent From LVMWD On Private Properties	WS
196	Malibu Creek Watershed Council -- Conceptual Project List	Create Backyard Conservation Program --> Encourage Nativescaping	WS
203	Malibu Creek Watershed Council -- Conceptual Project List	Demonstration Coffee Shop with All Ceramic -- You Bring/They Have, No Paper/Styrofoam/Plastic Options	WS
215	Marlene Matlow	Malibu Water Supply Options and Infrastructure	WS
218	Michael Hart	New Reservoir for Area	WS
228	NA	Malibu / Las Virgenes Model	WS
235	National Park Service	Stable Isotope Analysis to Assess Urban Water Inputs	WS
248	Resource Conservation District of the Santa Monica Mountains	Go Wild: Nativescaping in the Mountains	WS
249	Resource Conservation District of the Santa Monica Mountains	Zero Trash Coffee Shop	WS
264	Responsible Agencies in the Malibu Creek Watershed	Single Family Resident Cistern Program	WS
265	Responsible Agencies in the Malibu Creek Watershed	Multi-Family Residence Cistern Program	WS
266	Responsible Agencies in the Malibu Creek Watershed	Underground Storage and Reuse Projects	WS
270	Responsible Agencies in the Malibu Creek Watershed	Partnerships with HOAs to promote water quality and conservation	WS
271	Responsible Agencies in the Malibu Creek Watershed	Offer opportunities for Water Conservation and Water Quality in Existing Educational Programs at Schools.	WS
273	Responsible Agencies in the Malibu Creek Watershed	Work with Water Providers to Support/Expand Water Audit and Conservation Programs	WS
286	Responsible Agencies in the Malibu Creek Watershed	Work with LVMWD, WBMWD, and WWD 29 to Support/Expand Water Audit and Conservation Programs	WS
303	Triunfo Sanitation District	Malibu & Calleguas Creek Imported Water Distributed Harvesting	WS
307	West Basin Municipal Water District	Irrigable Landscapes Study	WS
308	West Basin Municipal Water District	Dry-weather Runoff and Stormwater Capture Study	WS
309	West Basin Municipal Water District	Synthetic Turf Research and Demonstration Program	WS

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
310	West Basin Municipal Water District	Complete Restroom Retrofit Program	WS
311	West Basin Municipal Water District	Multi-Family Residential High- Efficiency Toilet Direct	WS
312	West Basin Municipal Water District	Irrigation Equipment/Water Budget Program	WS
313	West Basin Municipal Water District	Commercial Laundromat Incentive Program	WS
315	West Basin Municipal Water District	Residential High-Efficiency Clothes Washer Rebate Program	WS
316	West Basin Municipal Water District	"Smart" Irrigation Controller Exchange Program	WS
317	West Basin Municipal Water District	Supermarket Retrofits	WS
318	West Basin Municipal Water District	Car Wash Recirculating Study	WS
319	West Basin Municipal Water District	Commercial, Industrial and Institutional (CII) Incentive Program	WS
320	West Basin MWD	Landscape Irrigation Classes 3	WS
321	West Basin MWD	Synthetic Turf Program 1	WS
322	West Basin MWD	Weather-Based Irrigation Controller Program 2	WS
1	Responsible Agencies in the Malibu Creek Watershed	Provide Septic System (OWTS) Pumpers and Customers with Septic System Guides	WQ
4	California Department of State Parks	California Department of State Parks Restroom Facilities at Rock Pools	WQ
5	CALTRANS	Las Flores Maintenance Station (CALTRANS) On-Site Structural BMPs for capturing wet-weather runoff	WQ
7	CALTRANS with RCDSMM Support	Topanga Lagoon Restoration Project	WQ
8	City of Agoura Hills	Septic to Sewer Project - Phase One	WQ
9	City of Agoura Hills	Septic to Sewer Project - Phase Two	WQ
10	City of Agoura Hills	Chumash Stormwater Treatment and Infiltration Park	WQ
19	City of Calabasas	Citywide Smart Irrigation Controller Replacement	WQ
21	City of Malibu	Carbon Canyon Stormwater Management	WQ
22	City of Malibu	La Costa Stormwater Management	WQ
23	City of Malibu	Las Flores Land Acquisition	WQ
25	City of Malibu	Malibu Road Stormwater Management	WQ
26	City of Malibu	Las Flores Creek Restoration	WQ
28	City of Malibu	Malibu TMDL Implementation Project	WQ
29	City of Malibu	Malibu NPDES Implementation Project	WQ
30	City of Malibu	Malibu ASBS Implementation Project	WQ
31	City of Malibu	Historical Ecology of Malibu Coastal Watersheds	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
32	City of Malibu	Trancas Canyon Park Stormwater Management Project	WQ
35	City of Malibu	Malibu Equestrian Center	WQ
36	City of Malibu	Malibu Civic Center Linear Park Expansion	WQ
39	City of Malibu	Trancas Creek Connector Trail Development	WQ
43	City of Malibu	Enhanced On-site Wastewater System Inventory	WQ
44	City of Malibu	Malibu Wastewater IWIMS Implementation	WQ
45	City of Malibu	Small Wastewater Facility Development	WQ
46	City of Malibu	Las Flores Creek Park On-Site Structural BMPs for capturing wet-weather runoff	WQ
47	City of Malibu	Trancas Canyon Park On-Site Structural BMPs for capturing wet-weather runoff	WQ
48	City of Malibu	Paradise Cove Pretreatment and System Upgrade	WQ
49	City of Malibu	Malibu Legacy Park Water Quality Management Program	WQ
50	City of Malibu	Malibu Clean Water – In Your Neighborhood	WQ
51	City of Malibu	Peña/Tuna Canyon Stormwater Management	WQ
52	City of Malibu	Topanga Beach Stormwater Management	WQ
53	City of Malibu	Trancas Watersheds Integrated Water Plan	WQ
54	City of Malibu	Chamlee Park On-Site Structural BMPs	WQ
56	County of Los Angeles Department of Public Works	Residential Cistern Incentive Program	WQ
58	County of Los Angeles Department of Public Works	Small-Scale Infiltration Projects	WQ
61	LA County Dept. of Beaches & Harbors	Surfrider Beach On-Site Structural BMPs for capturing wet-weather runoff	WQ
62	LA County Dept. of Beaches & Harbors	Nicholas Canyon County Beach On-Site Structural BMPs for capturing wet-weather runoff	WQ
63	LA County Dept. of Beaches & Harbors	Topanga County Beach On-Site Structural BMPs for capturing wet-weather runoff	WQ
64	LA County Dept. of Beaches & Harbors	Zuma County Beach On-Site Structural BMPs for capturing wet-weather runoff	WQ
65	LA County Dept. of Beaches & Harbors	Zuma Beach Maintenance Yard On-Site Structural BMPs for capturing wet-weather runoff	WQ
66	LA County Dept. of Beaches & Harbors	Point Dume Beach On-Site Structural BMPs for capturing wet-weather runoff	WQ
67	LADWP	Santa Ynez Reservoir Water Quality Improvement Project	WQ
68	Las Virgenes Municipal Water District	Construct advanced treatment facilities at Tapia WRF and Rancho Las Virgene	WQ
70	Las Virgenes Municipal Water District	Divert raw wastewater to City of LA	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
76	Los Angeles County Department of Public Works	Marie Canyon Drain Retrofit/Peracetic Acid/bacteriacides	WQ
77	Los Angeles County Department of Public Works	Latigo Shores Subsurface Flow Wetlands	WQ
79	Malibou Lake Mountain Club	Sewer and Road project	WQ
80	Malibou Lake Mountain Club	Silt Retention and Wetlands Area	WQ
83	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Seal All Drains Coming Off Private Property Into Lagoon	WQ
84	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Work with Beaches & Harbors/Lifeguards to Preserve Tidal Pools + Their Contents	WQ
86	Malibu Creek Watershed Council -- Conceptual Project List	Malibu City -- Support City Efforts to Fix the "Mystery Drain"	WQ
87	Malibu Creek Watershed Council -- Conceptual Project List	Malibu City -- Support City Efforts to Fix All Septics Indicated by Dye Study	WQ
88	Malibu Creek Watershed Council -- Conceptual Project List	Septic Systems -- Work to Implement AB 885	WQ
91	Malibu Creek Watershed Council -- Conceptual Project List	Grunion Camera	WQ
92	Malibu Creek Watershed Council -- Conceptual Project List	Lake Releases Scheduled In Advance; Releases NOT in Summertime, Public Announcement of Releases	WQ
93	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management -- Concerns About What Goes Into Creek -- Copper Sulfate and other Chemicals	WQ
94	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Possible Restoration of Creeks Rather Than Lakes If Homeowners Agree; Note that Property Lines	WQ
96	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Consider Having HOAs Pay for Invasive Species Derived From The Lakes	WQ
99	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon: Remove Riprap Under Bridge as Mitigation	WQ
100	Malibu Creek Watershed Council -- Conceptual Project List	Calabasas Landfill: Conduct Study to See if Chemicals Leaching Out	WQ
102	Malibu Creek Watershed Council -- Conceptual Project List	Fire Zones & Nativescaping -- Mountains Restoration Trust Project	WQ
103	Malibu Creek Watershed Council -- Conceptual Project List	Tapia Release Temperature Assessment	WQ
104	Malibu Creek Watershed Council -- Conceptual Project List	Riparian Canopy in Developed Areas	WQ
105	Malibu Creek Watershed Council -- Conceptual Project List	Biofiltration as primary pre-drain BMP	WQ
106	Malibu Creek Watershed Council -- Conceptual Project List	Waterless Wash Research Project	WQ
107	Malibu Creek Watershed Council -- Conceptual Project List	Carwashes at Cross-creek: Research Destination of Discharges	WQ
108	Malibu Creek Watershed Council -- Conceptual Project List	Illegal Drains -- Fix drains noted in SM Baykeeper (and other) mapping effort (s).	WQ
109	Malibu Creek Watershed Council -- Conceptual Project List	Upper Las Virgenes Canyon Open Space Preserve Native Grass Preservation	WQ
110	Malibu Creek Watershed Council -- Conceptual Project List	Operations and Management costs for State Parks' Trash	WQ
111	Malibu Creek Watershed Council -- Conceptual Project List	Upper Las Virgenes Canyon Open Space Preserve Restroom Facilities for the Public	WQ
112	Malibu Creek Watershed Council -- Conceptual Project List	Solstice Canyon Composting Toilets Research Project	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
113	Malibu Creek Watershed Council -- Conceptual Project List	SOKA -- Protect historic buildings	WQ
114	Malibu Creek Watershed Council -- Conceptual Project List	Corral Ordinance to Define Creek Set-backs	WQ
115	Malibu Creek Watershed Council -- Conceptual Project List	Outreach + Research Project to Keep Cats and Dogs Indoors and/or On Leashes	WQ
116	Malibu Creek Watershed Council -- Conceptual Project List	Medea Creek: Assess Household Urban Runoff	WQ
119	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Improve condition of septic systems as identified in Malibu Study	WQ
120	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Explore ways to buy undeveloped properties from willing sellers to create more seasonal marshes -- i.e. dirt	WQ
123	Malibu Creek Watershed Council -- Conceptual Project List	Possible Tax on Disposable Items for Maintaining Landfills and Buying Them + To Fund Precycling/Recyclable Products In	WQ
124	Malibu Creek Watershed Council -- Conceptual Project List	Cities and County Provide Annual Report on Wherever Recyclables Go and How They Are Utilized	WQ
127	Malibu Creek Watershed Council -- Conceptual Project List	Education/Outreach to Los Angeles County --> Our Tap Water Tops Bottled Water!	WQ
128	Malibu Creek Watershed Council -- Conceptual Project List	Calabasas Landfill: Separate Out Compostable Items, Especially Horse Manure And Sell Compost	WQ
132	Malibu Creek Watershed Council -- Conceptual Project List	Reduce Pharmaceuticals in Watershed by Getting Drugstores to Have a Take-Back for Unused Hormones and Drugs	WQ
149	Malibu Creek Watershed Council -- Conceptual Project List	Use California Conservation Corps for water quality testing, mapping, assessments.	WQ
150	Malibu Creek Watershed Council -- Conceptual Project List	Take Out One Side of Rindge Dam.	WQ
157	Malibu Creek Watershed Council -- Conceptual Project List	Work with CALTRANS on Sediment.	WQ
158	Malibu Creek Watershed Council -- Conceptual Project List	Work with LADPW on No Pesticide Use in Santa Monica Mountains; Note Done In Topanga	WQ
159	Malibu Creek Watershed Council -- Conceptual Project List	Work with CALTRANS on No Pesticide Use in Santa Monica Mountains; Note Already Done In Topanga	WQ
160	Malibu Creek Watershed Council -- Conceptual Project List	Create Measurable Outcomes for All IRWM Goals.	WQ
166	Malibu Creek Watershed Council -- Conceptual Project List	Fund Effective Study to Identify Nutrient Sources; esp. Horses, Phosphorous in Soils (How Sediment Impacts This), Fertilizer,	WQ
167	Malibu Creek Watershed Council -- Conceptual Project List	Post study: Better Define Real BMPs for Nutrients	WQ
168	Malibu Creek Watershed Council -- Conceptual Project List	Look at How to Keep More of Tapia Out of Creek Without Extreme Expense	WQ
178	Malibu Creek Watershed Council -- Conceptual Project List	Build a Demonstration Green Building in the Mountains; as Per Planned RCDSMM Watershed Center	WQ
179	Malibu Creek Watershed Council -- Conceptual Project List	Prevent LNG Terminals from Construction Offshore	WQ
180	Malibu Creek Watershed Council -- Conceptual Project List	Encourage Cities to Fund Alternate Fuels/Better Transportation etc. As Part of Coordinated Effort to Reduce Climate Change	WQ
181	Malibu Creek Watershed Council -- Conceptual Project List	Put Specific Objectives and Measurable Outcomes Into All the Action Items	WQ
182	Malibu Creek Watershed Council -- Conceptual Project List	Santa Monica Bay Restoration Commission Plan Has Objectives + Measurable Outcomes; We Can Borrow These	WQ
183	Malibu Creek Watershed Council -- Conceptual Project List	TMDLS + Regulations Could Be Included in the Action Items	WQ
184	Malibu Creek Watershed Council -- Conceptual Project List	Research is Important and Needs to be Ongoing; Use Methods Approved by State Parks, LVMWD, RCDSMM etc.	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
185	Malibu Creek Watershed Council -- Conceptual Project List	Monitor Pathogens (Bacteria) + Identify Specific Pathogens	WQ
186	Malibu Creek Watershed Council -- Conceptual Project List	Consider Deleting Tapia Treatment as a Nutrient Concern (Probably Not).	WQ
187	Malibu Creek Watershed Council -- Conceptual Project List	Nutrients: consider encouraging everyone to pursue local BMPs	WQ
188	Malibu Creek Watershed Council -- Conceptual Project List	Assess the Use of Fertilizers in Home and Public Gardens Regionally	WQ
189	Malibu Creek Watershed Council -- Conceptual Project List	Outreach to Vintners Regarding BMPs, Including Cover Crops to Reduce Erosion.	WQ
190	Malibu Creek Watershed Council -- Conceptual Project List	Address Gully Erosion; Sources Include Pipes Into Streams, Poor Construction/Development Practices, Potentially Horses	WQ
191	Malibu Creek Watershed Council -- Conceptual Project List	Create an annual program to monitor the health of culverts; take the Heal the Bay map of culverts and get funding to create	WQ
192	Malibu Creek Watershed Council -- Conceptual Project List	Explore Idea of Creating "Green Cops" and Funding More "Green Judges"	WQ
193	Malibu Creek Watershed Council -- Conceptual Project List	Fund more judges at Los Angeles County Environmental Crimes Section 10.	WQ
198	Malibu Creek Watershed Council -- Conceptual Project List	Support Kelp Reforestation and Efforts to Restore Near-shore Fisheries.	WQ
200	Malibu Creek Watershed Council -- Conceptual Project List	Asses Actual Human Health Impacts of Bacteria	WQ
201	Malibu Creek Watershed Council -- Conceptual Project List	Trash Police, Especially on Beaches, Also on Roads, Parks and Outdoor Restaurants.	WQ
202	Malibu Creek Watershed Council -- Conceptual Project List	Put Lids on Trash Cans as Per City of Malibu	WQ
204	Malibu Creek Watershed Council -- Conceptual Project List	Feasibility Study on Removing Endocrines from Wastewater.	WQ
205	Malibu Creek Watershed Council -- Conceptual Project List	Education/outreach County-wide to Promote Take-back Program for Unused Drugs and Hormones.	WQ
206	Malibu Creek Watershed Council -- Conceptual Project List	Work with the Pharmaceutical Industry to Create an Industry-wide Take-Back Program for unused Drugs and Hormones.	WQ
207	Malibu Creek Watershed Council -- Conceptual Project List	Consider Construction of Detention Basin above Malibou Lake to Reduce Sediment issue.	WQ
208	Malibu Creek Watershed Council -- Conceptual Project List	Consider Construction of Detention Basin above Malibou Lake to Reduce Sediment issue.	WQ
209	Malibu Creek Watershed Council -- Conceptual Project List + LVMWD	Urban Runoff Team	WQ
210	Malibu Creek Watershed Council -- Possible Projects	Horse Community -- Implement Current Regulations	WQ
211	Malibu Creek Watershed Responsible Agencies	Chumash Park Infiltration	WQ
212	Malibu Creek Watershed Responsible Agencies	Las Virgenes Creek Infiltration Basin near De Anza Park	WQ
213	Malibu Creek Watershed Responsible Agencies	Medea Creek Park Infiltration Basin	WQ
214	Malibu Creek Watershed Responsible Agencies	Reyes Adobe Park Subsurface Flow Wetland	WQ
216	Marlene Matlow	Water Quality Improvement and Road Hazard Reduction on Pacific Coast Hwy in Malibu	WQ
217	MARSHA FULLMER	"DON'T TRASH CALIFORNIA" TRASH CONTAINERS	WQ
441	Mountains Recreation and Conservation Authority, Santa Monica Mountains Aut	Washington Elementary School River Parkway	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
226	Mountains Restoration Trust	Modification of Culverts within the Cold Creek Preserve	WQ
229	NA	Malibu Lake Sediment Reduction and Control Project	WQ
230	NA	Malibu Lake Sewer and Street Project	WQ
231	NA	Las Flores Canyon Restoration and Water Quality Improvements (Biofiltration and Infiltration)	WQ
447	NA	Infiltration BMPs for SMBBB TMDL Implementation for Jurisdictional Group 5, 6	WQ
243	Planning Agencies & Road Building Agencies	Million Points of Stormwater Treat&Recharge	WQ
244	Potentially Las Virgenes Municipal Water District	Tapia --> Where Is the Effluent Released and How Does This Happen?	WQ
245	RCDSMM/California Department of State Parks/Santa Monica Bay Restoration Co	Topanga Berm Removal	WQ
246	Research information used by other agencies and review for possible improve	Increase Inspections of Post-Development BMPs	WQ
251	Resource Conservation District of the Santa Monica Mountains	Water Quality Program	WQ
252	Responsible Agencies in the Malibu Creek Watershed	Lake Lindero Country Club Infiltration	WQ
253	Responsible Agencies in the Malibu Creek Watershed	Liberty Canyon Creek Subsurface Flow Wetland	WQ
254	Responsible Agencies in the Malibu Creek Watershed	Oak Canyon Community Park Subsurface Flow Wetland	WQ
255	Responsible Agencies in the Malibu Creek Watershed	Sumac Park Infiltration Basin	WQ
256	Responsible Agencies in the Malibu Creek Watershed	Three Springs Park Subsurface Wetland	WQ
257	Responsible Agencies in the Malibu Creek Watershed	Triunfo Channel Infiltration Basin	WQ
258	Responsible Agencies in the Malibu Creek Watershed	Upper Lindero Creek at County Line - Infiltration Basin	WQ
259	Responsible Agencies in the Malibu Creek Watershed	Upper Lindero Creek Subwatershed Infiltration Basin	WQ
260	Responsible Agencies in the Malibu Creek Watershed	Development Standards	WQ
261	Responsible Agencies in the Malibu Creek Watershed	Voluntary Downspout Redirect Program	WQ
262	Responsible Agencies in the Malibu Creek Watershed	Stream Buffers Development Standards	WQ
263	Responsible Agencies in the Malibu Creek Watershed	Voluntary Horse Farm Retrofit	WQ
267	Responsible Agencies in the Malibu Creek Watershed	Permeable Pavement	WQ
268	Responsible Agencies in the Malibu Creek Watershed	Bioretention	WQ
269	Responsible Agencies in the Malibu Creek Watershed	Swales/Filter Strips	WQ
272	Responsible Agencies in the Malibu Creek Watershed	Outreach Fact Sheets on Water Quality for Point-of-Sale Distribution	WQ
274	Responsible Agencies in the Malibu Creek Watershed	Horse Stable and Confined Animal Outreach and Education	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
275	Responsible Agencies in the Malibu Creek Watershed	Outreach to Petowners Linking Waste to Water Quality	WQ
276	Responsible Agencies in the Malibu Creek Watershed	Pet Waste Bags at Trail Heads	WQ
277	Responsible Agencies in the Malibu Creek Watershed	Develop Inventory of Areas with Confined Animals and Educate Property Owners on Water Quality and BMPs	WQ
278	Responsible Agencies in the Malibu Creek Watershed	Post Signs at City and County-owned Trailheads for Equestrian Users Emphasizing Manure Clean-up in Parking Lots	WQ
279	Responsible Agencies in the Malibu Creek Watershed	RV Disposal Site Outreach Programs	WQ
280	Responsible Agencies in the Malibu Creek Watershed	Coordinate with Watershed Agencies to Identify Methods to Reach Visitors to the Watershed	WQ
281	Responsible Agencies in the Malibu Creek Watershed	Outreach at Trailheads Regarding Waste Disposal and Restroom Use	WQ
282	Responsible Agencies in the Malibu Creek Watershed	Coordinate between Agencies and Environmental Organizations to Prepare Outreach Materials	WQ
283	Responsible Agencies in the Malibu Creek Watershed	Trash Hauler Outreach	WQ
284	Responsible Agencies in the Malibu Creek Watershed	Develop Targeted Outreach for Businesses with Greatest Potential to Contribute Pollutants of Concern	WQ
285	Responsible Agencies in the Malibu Creek Watershed	Expand Media Partnership with Caltrans	WQ
287	Responsible Agencies in the Malibu Creek Watershed	Develop Minimum Requirements and Program to Enforce Parking Lot Street Sweeping for Commercial Businesses	WQ
288	Responsible Agencies in the Malibu Creek Watershed	Modify Inspection Staff Training to Include Enhanced Training on Water Quality Impairments and BMPs	WQ
289	Responsible Agencies in the Malibu Creek Watershed	During Inspections Emphasize BMPs that Reduce Pollutants of Concern	WQ
290	Responsible Agencies in the Malibu Creek Watershed	Incorporate TMDL requirements into CEQA process	WQ
291	Responsible Agencies in the Malibu Creek Watershed	Enhance Education for Developers of Projects outside SUSMP/SQUMP requirements	WQ
292	Responsible Agencies in the Malibu Creek Watershed	Develop vegetative filter BMP	WQ
293	Responsible Agencies in the Malibu Creek Watershed	Complete BMP Technical Manual and Include Detailed BMP Requirements Related to Water Quality Impairments	WQ
294	Responsible Agencies in the Malibu Creek Watershed	Emergency Spill Management - Review Existing Emergency Operation Plans on a Regular Schedule; assure availability of emergency equipment during peak traffic hours	WQ
295	Responsible Agencies in the Malibu Creek Watershed	Additional Trash Pick Up During High Use Periods in High Use Sites	WQ
296	Responsible Agencies in the Malibu Creek Watershed	Assure that Contractors Providing Maintenance and Landscape Services Adhere to BMPs Through Contract Language and	WQ
297	Responsible Agencies in the Malibu Creek Watershed	Establish Optimal Cleaning Cycles for Drainage Facilities	WQ
298	Responsible Agencies in the Malibu Creek Watershed	Investigate Incentive Programs for Replacing Improperly	WQ
299	Responsible Agencies in the Malibu Creek Watershed	Septic Inspections Upon Change in Ownership	WQ
300	Responsible Agencies in the Malibu Creek Watershed	Upper Las Virgenes Creek at Mtn View Estates HOA	WQ
468	TBD	Public Education and Outreach	WQ
305	UC Cooperative Extension	Watershed U.- Malibu Creek	WQ

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
472	UC Cooperative Extension	Watershed U. - Topanga Creek	WQ
24	City of Malibu	Las Virgenes Trail	OS
33	City of Malibu	Trancas Canyon Park Development	OS
37	City of Malibu	Trancas Creek and Lagoon Acquisition	OS
38	City of Malibu	Trancas Creek and Lagoon Restoration	OS
40	City of Malibu	Trancas Creek Connector Trail Acquisition	OS
41	City of Malibu	Charmlee Park Environmental Discovery Center	OS
42	City of Malibu	Lower Yamaguchi Property Acquisition	OS
60	Equestrian Trails Inc. & California State Parks	Ronald Reagan Equestrian Campground	OS
69	Las Virgenes Municipal Water District	Constructed wetlands	OS
81	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Creek -- Explore Possibility of Removing Back Road/Moving Back Development at Cross Creek Road Mall	OS
82	Malibu Creek Watershed Council -- Conceptual Project List	Malibu City -- Recreate Dirt Causeway Under Bridge for State Parks' Access	OS
89	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Coordination Amongst Different Impoundments	OS
90	Malibu Creek Watershed Council -- Conceptual Project List	Tapia Sump Pump: Can This Be Handled Better?	OS
95	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Avoid Spending Public Monies on Private Properties	OS
97	Malibu Creek Watershed Council -- Conceptual Project List	Lifeguards -- Ask to Add Weekly Beach Reports to Chalkboards for Swimmers/Surfers	OS
98	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon: Create Causeway Under PCH to Connect Malibu Legacy Park to Lagoon	OS
101	Malibu Creek Watershed Council -- Conceptual Project List	County Environmental Review Board -- Revise zones to make them more sensitive to habitat/natives	OS
117	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Explore possibility of expanding footprint	OS
118	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Explore possibility of buying homes from willing sellers adjacent to the Lagoon	OS
122	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Creek Riprap Removal/Creek Restoration Adjacent to City Shopping Center	OS
136	Malibu Creek Watershed Council -- Conceptual Project List	Explore Possibility of Converting Parts of Bluff Parks to Natives	OS
139	Malibu Creek Watershed Council -- Conceptual Project List	Consider Ways to Replace Sidewalks with DG	OS
141	Malibu Creek Watershed Council -- Conceptual Project List	Consider Ordinance That All Public Plantings (Except Historic Sites or Sport/Picnic Fields) Be Nativescaping --	OS
142	Malibu Creek Watershed Council -- Conceptual Project List	Restore Properties to Open Space When Possible	OS
143	Malibu Creek Watershed Council -- Conceptual Project List	During Redevelopment or Development, Aim Towards More High Density/Clustered Projects	OS
144	Malibu Creek Watershed Council -- Conceptual Project List	Buffer Zones In Mountain Riparian Habitats of 100' -- With Grandfather Clauses For Extant Houses	OS

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
148	Malibu Creek Watershed Council -- Conceptual Project List	Fund Watershed Coordinators On a Sustainable County-wide Level	OS
161	Malibu Creek Watershed Council -- Conceptual Project List	More Trails for Bikes/Horses/People.	OS
162	Malibu Creek Watershed Council -- Conceptual Project List	Safer Parallel or Shared Access to Roads for Bikes/Horses/People.	OS
163	Malibu Creek Watershed Council -- Conceptual Project List	More Connectivity In Mountains.	OS
164	Malibu Creek Watershed Council -- Conceptual Project List	More Habitat for Shorebirds + Connectivity; In Particular, Protect Snowy Plovers and Least Terns at the Beach.	OS
165	Malibu Creek Watershed Council -- Conceptual Project List	Ongoing Research of Tiered Aquatic Life Uses by Regional Board	OS
172	Malibu Creek Watershed Council -- Conceptual Project List	When Pipes Enter Streams Directly Work with LACDPW to Improve the How...	OS
174	Malibu Creek Watershed Council -- Conceptual Project List	Fund Enforcement With Fish + Game	OS
175	Malibu Creek Watershed Council -- Conceptual Project List	Fund Enforcement with California Coastal Commission	OS
176	Malibu Creek Watershed Council -- Conceptual Project List	Fund Enforcement with Regional Board	OS
177	Malibu Creek Watershed Council -- Conceptual Project List	Fund L.A. County Environmental Crimes Section	OS
194	Malibu Creek Watershed Council -- Conceptual Project List	Better utilize the Natural Resource Conservation Service	OS
195	Malibu Creek Watershed Council -- Conceptual Project List	Pursue flood plain acquisition.	OS
197	Malibu Creek Watershed Council -- Conceptual Project List	Explore Possibility of Reintroduction of Bears.	OS
199	Malibu Creek Watershed Council -- Conceptual Project List	Protect Tidal Habitats By Limiting Fishing, Takings.	OS
240	National Park Service, Santa Monica Mountains Conservancy, California State	Gillette Ranch	HAB
302	State Parks	Malibu Creek Watershed Enhancement, Rindge Dam	HAB
6	CALTRANS with RCDSMM Support	Topanga Narrows	HAB
11	City Of Calabasas	LVC 01 – 04	HAB
12	City Of Calabasas	LVC 13, 14, 19	HAB
13	City Of Calabasas	LVC 15, 17	HAB
14	City Of Calabasas	LVC 16	HAB
15	City Of Calabasas	LVC 18, 20, 24	HAB
16	City Of Calabasas	LVC 23, 29	HAB
17	City Of Calabasas	LVC 25	HAB
18	City Of Calabasas	LVC 26, 27, 28, 30A	HAB
55	Coastal Conservancy, California State Parks	Malibu Lagoon Restoration and Enhancement	HAB

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Greater Los Angeles County Region IRWMP

NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
85	Malibu Creek Watershed Council -- Conceptual Project List	NSMB Shorebird Habitat Preservation + Restoration	HAB
121	Malibu Creek Watershed Council -- Conceptual Project List	Possible Introduction of New Mountain Lions into NSMBW	HAB
145	Malibu Creek Watershed Council -- Conceptual Project List	Fish barriers. Fund removal of all.	HAB
146	Malibu Creek Watershed Council -- Conceptual Project List	Ordinances Against Future Sale of Key Exotic Plants	HAB
147	Malibu Creek Watershed Council -- Conceptual Project List	Restore/Purchase Wetlands Throughout Los Angeles County.	HAB
154	Malibu Creek Watershed Council -- Conceptual Project List	Cement Out of Creek Wherever Possible, to Include Boxed Creeks and Culverts	HAB
155	Malibu Creek Watershed Council -- Conceptual Project List	No More Cement in Creek.	HAB
156	Malibu Creek Watershed Council -- Conceptual Project List	Work with CALTRANS on Positive Work Adjacent to Riparian Systems; to Include Mitigation/Restoration as Well as New,	HAB
169	Malibu Creek Watershed Council -- Conceptual Project List	Annual Study to Monitor Culvert Conditions; Study Provided to Parties Responsible for O & M	HAB
170	Malibu Creek Watershed Council -- Conceptual Project List	Turn Culverts Into Bridges Whenever Possible; Work to Make Sure All Culverts Are Appropriately Sized (Big Enough!)	HAB
171	Malibu Creek Watershed Council -- Conceptual Project List	Mandate Bridges In Lieu Culverts In Relevant Conditions	HAB
173	Malibu Creek Watershed Council -- Conceptual Project List	Partner With Illegal Grading Task Force -- Go After Illegal Grading, To Target Property-Owners, Equipment Owner and	HAB
439	Malibu Creek Watershed Council -- Conceptual Project List	Upper Las Virgenes Canyon Open Space Preserve Native Grass Preservation	HAB
440	Malibu Creek Watershed Council -- Conceptual Project List	Perenchio Golf Course -- Approach Perenchio Family to Implement BMPs and Increase Nativescpaing	HAB
219	Mountains Restoration Trust	Cold Creek Riparian Acquisition	HAB
220	Mountains Restoration Trust	La Sierra Riparian Acquisitions	HAB
221	Mountains Restoration Trust	Cold Creek Restoration	HAB
222	Mountains Restoration Trust	Cold Creek Riparian Restoration	HAB
223	Mountains Restoration Trust	Tuna Canyon Habitat Restoration	HAB
224	Mountains Restoration Trust	La Sierra Preserve Habitat Restoration	HAB
225	Mountains Restoration Trust	Malibu Creek Enhancement	HAB
227	Mountains Restoration Trust and City of Calabasas	Headwaters Corner at Calabasas	HAB
232	National Park Service	Trancas Habitat and Connectivity Restoration	HAB
233	National Park Service	Solstice Canyon Land Aquisition	HAB
234	National Park Service	Zuma Creek Watershed Restoration	HAB
236	National Park Service	Acquire Zuma/Trancas Park Inholdings	HAB
237	National Park Service	Acquire Malibou Lake Properties — Castro Crest North Slope: Acquire 244 Acres	HAB
448	National Park Service	Zuma Creek Steelhead Trout Habitat Restoration Feasibility Study	HAB

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NSMB Projects by Water Management Area

ID	Project Sponsor	Project Title	WM Area (WS/WQ/H/O)
238	National Park Service, California State Parks, Mountains Restoration Trust	Lower Malibu Steelhead Riparian Habitat Restoration	HAB
239	National Park Service, Caltrans, City of Malibu	Solstice Creek Steelhead Access	HAB
241	National Park Service, Santa Monica Mountains Conservancy, California State	Paramount Ranch – Medea Creek Restoration and Water Conservation	HAB
242	NatureTrust	Nicholas Canyon Watershed Acquisition	HAB
449	Not Available	Regional Habitat & Agriculture Mitigation Bank	HAB
247	Resource Conservation District of the Santa Monica Mountains	Urban Interpreters for Environmental Education Program	HAB
250	Resource Conservation District of the Santa Monica Mountains	RCDSMM Watershed Center	HAB
301	Santa Monica Mountains RCD	Topanga Lagoon and Creek Restoration	HAB
306	USACE, California Dept. of State Parks, support by MCWC	USACE Malibu Creek Watershed Environmental Feasibility Study	HAB

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Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

ID	Project Sponsor	Project Title	Type
5	CALTRANS	Las Flores Maintenance Station (CALTRANS) On-Site Structural BMPs for capturing wet-weather runoff	S
7	CALTRANS with RCDSMM Support	Topanga Lagoon Restoration Project	S
8	City of Agoura Hills	Septic to Sewer Project - Phase One	S
9	City of Agoura Hills	Septic to Sewer Project - Phase Two	S
10	City of Agoura Hills	Chumash Stormwater Treatment and Infiltration Park	S
11	City Of Calabasas	LVC 01 – 04	S
12	City Of Calabasas	LVC 13, 14, 19	S
13	City Of Calabasas	LVC 15, 17	S
14	City Of Calabasas	LVC 16	S
15	City Of Calabasas	LVC 18, 20, 24	S
16	City Of Calabasas	LVC 23, 29	S
17	City Of Calabasas	LVC 25	S
18	City Of Calabasas	LVC 26, 27, 28, 30A	S
20	City of Malibu	Broad Beach Stormwater Management	S
21	City of Malibu	Carbon Canyon Stormwater Management	S
22	City of Malibu	La Costa Stormwater Management	S
26	City of Malibu	Las Flores Creek Restoration	S
27	City of Malibu	Malibu Recyled Water Delivery Project	S
32	City of Malibu	Trancas Canyon Park Stormwater Management Project	S
33	City of Malibu	Trancas Canyon Park Development	S
35	City of Malibu	Malibu Equestrian Center	S
38	City of Malibu	Trancas Creek and Lagoon Restoration	S
46	City of Malibu	Las Flores Creek Park On-Site Structural BMPs for capturing wet-	S
47	City of Malibu	Trancas Canyon Park On-Site Structural BMPs for capturing wet-	S
48	City of Malibu	Paradise Cove Pretreatment and System Upgrade	S
49	City of Malibu	Malibu Legacy Park Water Quality Management Program	S
51	City of Malibu	Peña/Tuna Canyon Stormwater Management	S
52	City of Malibu	Topanga Beach Stormwater Management	S
54	City of Malibu	Chamlee Park On-Site Structural BMPs	S
56	County of Los Angeles Department of Public Works	Residential Cistern Incentive Program	S
57	County of Los Angeles Department of Public Works	Public Cistern Projects	S
58	County of Los Angeles Department of Public Works	Small-Scale Infiltration Projects	S

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S - Structural Project, N - Non-structural Project,
E - Educational Project, M - Study or Monitoring Project

Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

ID	Project Sponsor	Project Title	Type
61	LA County Dept. of Beaches & Harbors	Surfrider Beach On-Site Structural BMPs for capturing wet-weather runoff	S
62	LA County Dept. of Beaches & Harbors	Nicholas Canyon County Beach On-Site Structural BMPs for capturing wet-weather runoff	S
63	LA County Dept. of Beaches & Harbors	Topanga County Beach On-Site Structural BMPs for capturing wet-weather runoff	S
64	LA County Dept. of Beaches & Harbors	Zuma County Beach On-Site Structural BMPs for capturing wet-weather runoff	S
65	LA County Dept. of Beaches & Harbors	Zuma Beach Maintenance Yard On-Site Structural BMPs for capturing wet-weather runoff	S
66	LA County Dept. of Beaches & Harbors	Point Dume Beach On-Site Structural BMPs for capturing wet-weather runoff	S
67	LADWP	Santa Ynez Reservoir Water Quality Improvement Project	S
68	Las Virgenes Municipal Water District	Construct advanced treatment facilities at Tapia WRF and Rancho Las Virgene	S
70	Las Virgenes Municipal Water District	Divert raw wastewater to City of LA	S
71	Las Virgenes Municipal Water District	Tank Farm Storage and Pumping	S
72	Las Virgenes Municipal Water District	Trunk Sewer Rehabilitation Projects	S
73	Las Virgenes Municipal Water District	Westlake Filtration Plant Enhancement	S
74	Las Virgenes Municipal Water District	Automatic Sewer By-Pass	S
426	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 1 - TO Bled extension	S
427	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 2 - Decker Cyn. REW Facilitie	S
428	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 3 - Agoura Gap REW Extension	S
429	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 4 - Calabasas City Center REW	S
430	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 5 - Construct Parallel 24-inc	S
431	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 6 Expand Recycled Water Pump	S
432	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 7 - Expand Recycled Water Res	S
433	Las Virgenes Municipal Water District	LVMWD recycled water system expansion project 8 Convert Las Virgenes Reserv	S
76	Los Angeles County Department of Public Works	Marie Canyon Drain Retrofit/Peracetic Acid/bacteriacides	S
78	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC	SEPULVEDA FEEDER INTERCONNECTION	S
79	Malibou Lake Mountain Club	Sewer and Road project	S
80	Malibou Lake Mountain Club	Silt Retention and Wetlands Area	S
81	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Creek -- Explore Possibility of Removing Back Road/Moving Back Development at Cross Creek Road Mall	S
82	Malibu Creek Watershed Council -- Conceptual Project List	Malibu City -- Recreate Dirt Causeway Under Bridge for State Parks' Access	S

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Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

ID	Project Sponsor	Project Title	Type
83	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Seal All Drains Coming Off Private Property Into Lagoon	S
90	Malibu Creek Watershed Council -- Conceptual Project List	Tapia Sump Pump: Can This Be Handled Better?	S
94	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Possible Restoration of Creeks Rather Than Lakes If Homeowners Agree; Note that Property Lines Would	S
111	Malibu Creek Watershed Council -- Conceptual Project List	Upper Las Virgenes Canyon Open Space Preserve Restroom Facilities for the Public	S
122	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Creek Riprap Removal/Creek Restoration Adjacent to City Shopping Center	S
150	Malibu Creek Watershed Council -- Conceptual Project List	Take Out One Side of Rindge Dam.	S
151	Malibu Creek Watershed Council -- Conceptual Project List	More Storage for LVMWD Treated Effluent.	S
153	Malibu Creek Watershed Council -- Conceptual Project List	Get Permission from Health Department, County, Cities to Use Treated Effluent From LVMWD On Private Properties	S
154	Malibu Creek Watershed Council -- Conceptual Project List	Cement Out of Creek Wherever Possible, to Include Boxed Creeks and Culverts	S
155	Malibu Creek Watershed Council -- Conceptual Project List	No More Cement in Creek.	S
156	Malibu Creek Watershed Council -- Conceptual Project List	Work with CALTRANS on Positive Work Adjacent to Riparian Systems; to Include Mitigation/Restoration as Well as New,	S
157	Malibu Creek Watershed Council -- Conceptual Project List	Work with CALTRANS on Sediment.	S
169	Malibu Creek Watershed Council -- Conceptual Project List	Annual Study to Monitor Culvert Conditions; Study Provided to Parties Responsible for O & M	S
170	Malibu Creek Watershed Council -- Conceptual Project List	Turn Culverts Into Bridges Whenever Possible; Work to Make Sure All Culverts Are Appropriately Sized (Big Enough!)	S
171	Malibu Creek Watershed Council -- Conceptual Project List	Mandate Bridges In Lieu Culverts In Relevant Conditions	S
172	Malibu Creek Watershed Council -- Conceptual Project List	When Pipes Enter Streams Directly Work with LACDPW to Improve the How...	S
207	Malibu Creek Watershed Council -- Conceptual Project List	Consider Construction of Detention Basin above Malibou Lake to Reduce Sediment issue.	S
208	Malibu Creek Watershed Council -- Conceptual Project List	Consider Construction of Detention Basin above Malibou Lake to Reduce Sediment issue.	S
211	Malibu Creek Watershed Responsible Agencies	Chumash Park Infiltration	S
212	Malibu Creek Watershed Responsible Agencies	Las Virgenes Creek Infiltration Basin near De Anza Park	S
213	Malibu Creek Watershed Responsible Agencies	Medea Creek Park Infiltration Basin	S
214	Malibu Creek Watershed Responsible Agencies	Reyes Adobe Park Subsurface Flow Wetland	S
215	Marlene Matlow	Malibu Water Supply Options and Infrastructure	S
216	Marlene Matlow	Water Quality Improvement and Road Hazard Reduction on Pacific Coast Hwy in Malibu	S
218	Michael Hart	New Reservoir for Area	S
223	Mountains Restoration Trust	Tuna Canyon Habitat Restoration	S
229	NA	Malibu Lake Sediment Reduction and Control Project	S
230	NA	Malibu Lake Sewer and Street Project	S

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Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

ID	Project Sponsor	Project Title	Type
231	NA	Las Flores Canyon Restoration and Water Quality Improvements (Biofiltration and Infiltration)	S
447	NA	Infiltration BMPs for SMBBB TMDL Implementation for Jurisdictional Group 5, 6	S
232	National Park Service	Trancas Habitat and Connectivity Restoration	S
243	Planning Agencies & Road Building Agencies	Million Points of Stormwater Treat&Recharge	S
245	RCDSMM/California Department of State Parks/Santa Monica Bay	Topanga Berm Removal	S
250	Resource Conservation District of the Santa Monica Mountains	RCDSMM Watershed Center	S
252	Responsible Agencies in the Malibu Creek Watershed	Lake Lindero Country Club Infiltration	S
253	Responsible Agencies in the Malibu Creek Watershed	Liberty Canyon Creek Subsurface Flow Wetland	S
254	Responsible Agencies in the Malibu Creek Watershed	Oak Canyon Community Park Subsurface Flow Wetland	S
255	Responsible Agencies in the Malibu Creek Watershed	Sumac Park Infiltration Basin	S
256	Responsible Agencies in the Malibu Creek Watershed	Three Springs Park Subsurface Wetland	S
257	Responsible Agencies in the Malibu Creek Watershed	Triunfo Channel Infiltration Basin	S
258	Responsible Agencies in the Malibu Creek Watershed	Upper Lindero Creek at County Line - Infiltration Basin	S
259	Responsible Agencies in the Malibu Creek Watershed	Upper Lindero Creek Subwatershed Infiltration Basin	S
266	Responsible Agencies in the Malibu Creek Watershed	Underground Storage and Reuse Projects	S
267	Responsible Agencies in the Malibu Creek Watershed	Permeable Pavement	S
268	Responsible Agencies in the Malibu Creek Watershed	Bioretention	S
269	Responsible Agencies in the Malibu Creek Watershed	Swales/Filter Strips	S
300	Responsible Agencies in the Malibu Creek Watershed	Upper Las Virgenes Creek at Mtn View Estates HOA	S
302	State Parks	Malibu Creek Watershed Enhancement, Rindge Dam	S
303	Triunfo Sanitation District	Malibu & Calleguas Creek Imported Water Distributed Harvesting	S
6	CALTRANS with RCDSMM Support	Topanga Narrows	NS
19	City of Calabasas	Citywide Smart Irrigation Controller Replacement	NS
23	City of Malibu	Las Flores Land Acquisition	NS
24	City of Malibu	Las Virgenes Trail	NS
25	City of Malibu	Malibu Road Stormwater Management	NS
34	City of Malibu	Trancas Canyon Park Sports Field Development	NS
36	City of Malibu	Malibu Civic Center Linear Park Expansion	NS

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Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

ID	Project Sponsor	Project Title	Type
37	City of Malibu	Trancas Creek and Lagoon Acquisition	NS
39	City of Malibu	Trancas Creek Connector Trail Development	NS
40	City of Malibu	Trancas Creek Connector Trail Acquisition	NS
42	City of Malibu	Lower Yamaguchi Property Acquisition	NS
55	Coastal Conservancy, California State Parks	Malibu Lagoon Restoration and Enhancement	NS
60	Equestrian Trails Inc. & California State Parks	Ronald Reagan Equestrian Campground	NS
69	Las Virgenes Municipal Water District	Constructed wetlands	NS
77	Los Angeles County Department of Public Works	Latigo Shores Subsurface Flow Wetlands	NS
85	Malibu Creek Watershed Council -- Conceptual Project List	NSMB Shorebird Habitat Preservation + Restoration	NS
87	Malibu Creek Watershed Council -- Conceptual Project List	Malibu City -- Support City Efforts to Fix All Septics Indicated by Dye Study	NS
91	Malibu Creek Watershed Council -- Conceptual Project List	Grunion Camera	NS
96	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Consider Having HOAs Pay for Invasive Species Derived From The Lakes	NS
97	Malibu Creek Watershed Council -- Conceptual Project List	Lifeguards -- Ask to Add Weekly Beach Reports to Chalkboards for Swimmers/Surfers	NS
98	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon: Create Causeway Under PCH to Connect Malibu Legacy Park to Lagoon	NS
99	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon: Remove Riprap Under Bridge as Mitigation	NS
104	Malibu Creek Watershed Council -- Conceptual Project List	Riparian Canopy in Developed Areas	NS
105	Malibu Creek Watershed Council -- Conceptual Project List	Biofiltration as primary pre-drain BMP	NS
109	Malibu Creek Watershed Council -- Conceptual Project List	Upper Las Virgenes Canyon Open Space Preserve Native Grass Preservation	NS
114	Malibu Creek Watershed Council -- Conceptual Project List	Corral Ordinance to Define Creek Set-backs	NS
117	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Explore possibility of expanding footprint	NS
118	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Explore possibility of buying homes from willing sellers adjacent to the Lagoon	NS
128	Malibu Creek Watershed Council -- Conceptual Project List	Calabasas Landfill: Separate Out Compostable Items, Especially Horse Manure And Sell Compost	NS
129	Malibu Creek Watershed Council -- Conceptual Project List	Legalize+ Implement Safe/Healthy Toilet-to-Tap; Project Requires Preliminary Public Relations Effort to Create Public Support for	NS
130	Malibu Creek Watershed Council -- Conceptual Project List	Native Plants Ordinance	NS
131	Malibu Creek Watershed Council -- Conceptual Project List	Consider Luxury Tax on Lawns	NS
132	Malibu Creek Watershed Council -- Conceptual Project List	Reduce Pharamaceuticals in Watershed by Getting Drugstores to Have a Take-Back for Unused Hormones and Drugs	NS
133	Malibu Creek Watershed Council -- Conceptual Project List	Consider Limits on Lawns at Golfcourses	NS

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Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

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134	Malibu Creek Watershed Council -- Conceptual Project List	Consider Limits on Lawns/Lawn Size at Private Properties	NS
135	Malibu Creek Watershed Council -- Conceptual Project List	Consider luxury tax on lawns over 10' x 10'.	NS
136	Malibu Creek Watershed Council -- Conceptual Project List	Explore Possibility of Converting Parts of Bluff Parks to Natives	NS
137	Malibu Creek Watershed Council -- Conceptual Project List	Consider Limits on New Sprinklers	NS
138	Malibu Creek Watershed Council -- Conceptual Project List	Consider Ways to Replace Driveways With Permeable Services	NS
139	Malibu Creek Watershed Council -- Conceptual Project List	Consider Ways to Replace Sidewalks with DG	NS
140	Malibu Creek Watershed Council -- Conceptual Project List	Consider Medians Cut Down-slope to Infiltrate	NS
141	Malibu Creek Watershed Council -- Conceptual Project List	Consider Ordinance That All Public Plantings (Except Historic Sites or Sport/Picnic Fields) Be Nativescaping --	NS
142	Malibu Creek Watershed Council -- Conceptual Project List	Restore Properties to Open Space When Possible	NS
143	Malibu Creek Watershed Council -- Conceptual Project List	During Redevelopment or Development, Aim Towards More High Density/Clustered Projects	NS
144	Malibu Creek Watershed Council -- Conceptual Project List	Buffer Zones In Mountain Riparian Habitats of 100' -- With Grandfather Clauses For Extant Houses	NS
145	Malibu Creek Watershed Council -- Conceptual Project List	Fish barriers. Fund removal of all.	NS
152	Malibu Creek Watershed Council -- Conceptual Project List	Consider growing livestock, hay or fruit and vegetables at LVMWD dewatering sites.	NS
158	Malibu Creek Watershed Council -- Conceptual Project List	Work with LADPW on No Pesticide Use in Santa Monica Mountains; Note Done In Topanga	NS
159	Malibu Creek Watershed Council -- Conceptual Project List	Work with CALTRANS on No Pesticide Use in Santa Monica Mountains; Note Already Done In Topanga	NS
161	Malibu Creek Watershed Council -- Conceptual Project List	More Trails for Bikes/Horses/People.	NS
163	Malibu Creek Watershed Council -- Conceptual Project List	More Connectivity In Mountains.	NS
164	Malibu Creek Watershed Council -- Conceptual Project List	More Habitat for Shorebirds + Connectivity; In Particular, Protect Snowy Plovers and Least Terns at the Beach.	NS
193	Malibu Creek Watershed Council -- Conceptual Project List	Fund more judges at Los Angeles County Environmental Crimes Section 10.	NS
195	Malibu Creek Watershed Council -- Conceptual Project List	Pursue flood plain acquisition.	NS
198	Malibu Creek Watershed Council -- Conceptual Project List	Support Kelp Reforestation and Efforts to Restore Near-shore Fisheries.	NS
199	Malibu Creek Watershed Council -- Conceptual Project List	Protect Tidal Habitats By Limiting Fishing, Takings.	NS
201	Malibu Creek Watershed Council -- Conceptual Project List	Trash Police, Especially on Beaches, Also on Roads, Parks and Outdoor Restaurants.	NS
202	Malibu Creek Watershed Council -- Conceptual Project List	Put Lids on Trash Cans as Per City of Malibu	NS
203	Malibu Creek Watershed Council -- Conceptual Project List	Demonstration Coffee Shop with All Ceramic -- You Bring/They Have, No Paper/Styrofoam/Plastic Options	NS
206	Malibu Creek Watershed Council -- Conceptual Project List	Work with the Pharmaceutical Industry to Create an Industry-wide Take-Back Program for unused Drugs and Hormones.	NS
439	Malibu Creek Watershed Council -- Conceptual Project List	Upper Las Virgenes Canyon Open Space Preserve Native Grass Preservation	NS

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Greater Los Angeles County Region IRWMP

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440	Malibu Creek Watershed Council -- Conceptual Project List	Perenchio Golf Course -- Approach Perenchio Family to Implement BMPs and Increase Nativespaing	NS
209	Malibu Creek Watershed Council -- Conceptual Project List + LVMWD	Urban Runoff Team	NS
210	Malibu Creek Watershed Council -- Possible Projects	Horse Community -- Implement Current Regulations	NS
217	MARSHA FULLMER	"DON'T TRASH CALIFORNIA" TRASH CONTAINERS	NS
219	Mountains Restoration Trust	Cold Creek Riparian Acquisition	NS
220	Mountains Restoration Trust	La Sierra Riparian Acquisitions	NS
221	Mountains Restoration Trust	Cold Creek Restoration	NS
222	Mountains Restoration Trust	Cold Creek Riparian Restoration	NS
224	Mountains Restoration Trust	La Sierra Preserve Habitat Restoration	NS
225	Mountains Restoration Trust	Malibu Creek Enhancement	NS
233	National Park Service	Solstice Canyon Land Aquisition	NS
234	National Park Service	Zuma Creek Watershed Restoration	NS
236	National Park Service	Acquire Zuma/Trancas Park Inholdings	NS
237	National Park Service	Acquire Malibou Lake Properties — Castro Crest North Slope: Acquire 244 Acres	NS
238	National Park Service, California State Parks, Mountains Restoration	Lower Malibu Steelhead Riparian Habitat Restoration	NS
239	National Park Service, Caltrans, City of Malibu	Solstice Creek Steelhead Access	NS
240	National Park Service, Santa Monica Mountains Conservancy, California	Gillette Ranch	NS
241	National Park Service, Santa Monica Mountains Conservancy, California	Paramount Ranch – Medea Creek Restoration and Water Conservation	NS
242	NatureTrust	Nicholas Canyon Watershed Acquisition	NS
449	Not Available	Regional Habitat & Agriculture Mitigation Bank	NS
244	Potentially Las Virgenes Municipal Water District	Tapia --> Where Is the Effluent Released and How Does This Happen?	NS
249	Resource Conservation District of the Santa Monica Mountains	Zero Trash Coffee Shop	NS
261	Responsible Agencies in the Malibu Creek Watershed	Voluntary Downspout Redirect Program	NS
262	Responsible Agencies in the Malibu Creek Watershed	Stream Buffers Development Standards	NS
264	Responsible Agencies in the Malibu Creek Watershed	Single Family Resident Cistern Program	NS
265	Responsible Agencies in the Malibu Creek Watershed	Multi-Family Residence Cistern Program	NS
273	Responsible Agencies in the Malibu Creek Watershed	Work with Water Providers to Support/Expand Water Audit and Conservation Programs	NS

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276	Responsible Agencies in the Malibu Creek Watershed	Pet Waste Bags at Trail Heads	NS
287	Responsible Agencies in the Malibu Creek Watershed	Develop Minimum Requirements and Program to Enforce Parking Lot Street Sweeping for Commercial Businesses	NS
290	Responsible Agencies in the Malibu Creek Watershed	Incorporate TMDL requirements into CEQA process	NS
291	Responsible Agencies in the Malibu Creek Watershed	Enhance Education for Developers of Projects outside SUSMP/SQUMP requirements	NS
292	Responsible Agencies in the Malibu Creek Watershed	Develop vegetative filter BMP	NS
293	Responsible Agencies in the Malibu Creek Watershed	Complete BMP Technical Manual and Include Detailed BMP Requirements Related to Water Quality Impairments	NS
294	Responsible Agencies in the Malibu Creek Watershed	Emergency Spill Management - Review Existing Emergency Operation Plans on a Regular Schedule; assure availability of	NS
295	Responsible Agencies in the Malibu Creek Watershed	Additional Trash Pick Up During High Use Periods in High Use Sites	NS
297	Responsible Agencies in the Malibu Creek Watershed	Establish Optimal Cleaning Cycles for Drainage Facilities	NS
298	Responsible Agencies in the Malibu Creek Watershed	Investigate Incentive Programs for Replacing Improperly Operating Septic Tanks	NS
299	Responsible Agencies in the Malibu Creek Watershed	Septic Inspections Upon Change in Ownership	NS
301	Santa Monica Mountains RCD	Topanga Lagoon and Creek Restoration	NS
310	West Basin Municipal Water District	Complete Restroom Retrofit Program	NS
311	West Basin Municipal Water District	Multi-Family Residential High- Efficiency Toilet Direct Installation	NS
312	West Basin Municipal Water District	Irrigation Equipment/Water Budget Program	NS
313	West Basin Municipal Water District	Commercial Laundromat Incentive Program	NS
314	West Basin Municipal Water District	Save-A-Buck Rebate Program	NS
315	West Basin Municipal Water District	Residential High-Efficiency Clothes Washer Rebate Program	NS
316	West Basin Municipal Water District	"Smart" Irrigation Controller Exchange Program	NS
317	West Basin Municipal Water District	Supermarket Retrofits	NS
319	West Basin Municipal Water District	Commercial, Industrial and Institutional (CII) Incentive Program	NS
320	West Basin MWD	Landscape Irrigation Classes 3	NS
321	West Basin MWD	Synthetic Turf Program 1	NS
322	West Basin MWD	Weather-Based Irrigation Controller Program 2	NS
2	Assorted Water Agencies	Irrigation credits/subsidies trading	M
3	California Department of State Parks	California Department of State Parks General Plan	M
4	California Department of State Parks	California Department of State Parks Restroom Facilities at Rock Pools	M

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NSMB Projects by Project Type

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28	City of Malibu	Malibu TMDL Implementation Project	M
29	City of Malibu	Malibu NPDES Implementation Project	M
30	City of Malibu	Malibu ASBS Implementation Project	M
31	City of Malibu	Historical Ecology of Malibu Coastal Watersheds	M
41	City of Malibu	Charmlee Park Environmental Discovery Center	M
43	City of Malibu	Enhanced On-site Wastewater System Inventory	M
44	City of Malibu	Malibu Wastewater IWIMS Implementation	M
45	City of Malibu	Small Wastewater Facility Development	M
53	City of Malibu	Trancas Watersheds Integrated Water Plan	M
59	Dorothy Green	Track Water Conservation By Consumers and Keep 50% of Waters Saved in Source Watersheds	M
88	Malibu Creek Watershed Council -- Conceptual Project List	Septic Systems -- Work to Implement AB 885	M
89	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Coordination Amongst Different Impoundments	M
92	Malibu Creek Watershed Council -- Conceptual Project List	Lake Releases Scheduled In Advance; Releases NOT in Summertime, Public Announcement of Releases	M
93	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management -- Concerns About What Goes Into Creek -- Copper Sulfate and other Chemicals	M
95	Malibu Creek Watershed Council -- Conceptual Project List	Lake Management: Avoid Spending Public Monies on Private Properties	M
100	Malibu Creek Watershed Council -- Conceptual Project List	Calabasas Landfill: Conduct Study to See if Chemicals Leaching Out	M
101	Malibu Creek Watershed Council -- Conceptual Project List	County Environmental Review Board -- Revise zones to make them more sensitive to habitat/natives	M
102	Malibu Creek Watershed Council -- Conceptual Project List	Fire Zones & Nativescaping -- Mountains Restoration Trust Project	M
103	Malibu Creek Watershed Council -- Conceptual Project List	Tapia Release Temperature Assessment	M
106	Malibu Creek Watershed Council -- Conceptual Project List	Waterless Wash Research Project	M
107	Malibu Creek Watershed Council -- Conceptual Project List	Carwashes at Cross-creek: Research Destination of Discharges	M
108	Malibu Creek Watershed Council -- Conceptual Project List	Illegal Drains -- Fix drains noted in SM Baykeeper (and other) mapping effort (s).	M
112	Malibu Creek Watershed Council -- Conceptual Project List	Solstice Canyon Composting Toilets Research Project	M
115	Malibu Creek Watershed Council -- Conceptual Project List	Outreach + Research Project to Keep Cats and Dogs Indoors and/or On Leashes	M
116	Malibu Creek Watershed Council -- Conceptual Project List	Medea Creek: Assess Household Urban Runoff	M
119	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Improve condition of septic systems as identified in Malibu Study	M
120	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Explore ways to buy undeveloped properties from willing sellers to create more seasonal marshes -- i.e. dirt lots	M
121	Malibu Creek Watershed Council -- Conceptual Project List	Possible Introduction of New Mountain Lions into NSMBW	M

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Greater Los Angeles County Region IRWMP

NSMB Projects by Project Type

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123	Malibu Creek Watershed Council -- Conceptual Project List	Possible Tax on Disposable Items for Maintaining Landfills and Buying Them + To Fund Precycling/Recyclable Products In Lieu of	M
125	Malibu Creek Watershed Council -- Conceptual Project List	Line Item Donation on Monthly Water Bills to Fund Water Buy-Back Program to Keep Water in Source Watersheds	M
146	Malibu Creek Watershed Council -- Conceptual Project List	Ordinances Against Future Sale of Key Exotic Plants	M
147	Malibu Creek Watershed Council -- Conceptual Project List	Restore/Purchase Wetlands Throughout Los Angeles County.	M
148	Malibu Creek Watershed Council -- Conceptual Project List	Fund Watershed Coordinators On a Sustainable County-wide Level	M
149	Malibu Creek Watershed Council -- Conceptual Project List	Use California Conservation Corps for water quality testing, mapping, assessments.	M
160	Malibu Creek Watershed Council -- Conceptual Project List	Create Measurable Outcomes for All IRWM Goals.	M
162	Malibu Creek Watershed Council -- Conceptual Project List	Safer Parallel or Shared Access to Roads for Bikes/Horses/People.	M
165	Malibu Creek Watershed Council -- Conceptual Project List	Ongoing Research of Tiered Aquatic Life Uses by Regional Board	M
166	Malibu Creek Watershed Council -- Conceptual Project List	Fund Effective Study to Identify Nutrient Sources; esp. Horses, Phosphorous in Soils (How Sediment Impacts This), Fertilizer,	M
167	Malibu Creek Watershed Council -- Conceptual Project List	Post study: Better Define Real BMPs for Nutrients	M
168	Malibu Creek Watershed Council -- Conceptual Project List	Look at How to Keep More of Tapia Out of Creek Without Extreme Expense	M
173	Malibu Creek Watershed Council -- Conceptual Project List	Partner With Illegal Grading Task Force -- Go After Illegal Grading, To Target Property-Owners, Equipment Owner and Driver	M
174	Malibu Creek Watershed Council -- Conceptual Project List	Fund Enforcement With Fish + Game	M
175	Malibu Creek Watershed Council -- Conceptual Project List	Fund Enforcement with California Coastal Commission	M
176	Malibu Creek Watershed Council -- Conceptual Project List	Fund Enforcement with Regional Board	M
177	Malibu Creek Watershed Council -- Conceptual Project List	Fund L.A. County Environmental Crimes Section	M
179	Malibu Creek Watershed Council -- Conceptual Project List	Prevent LNG Terminals from Construction Offshore	M
180	Malibu Creek Watershed Council -- Conceptual Project List	Encourage Cities to Fund Alternate Fuels/Better Transportation etc. As Part of Coordinated Effort to Reduce Climate Change	M
181	Malibu Creek Watershed Council -- Conceptual Project List	Put Specific Objectives and Measurable Outcomes Into All the Action Items	M
182	Malibu Creek Watershed Council -- Conceptual Project List	Santa Monica Bay Restoration Commission Plan Has Objectives + Measurable Outcomes; We Can Borrow These	M
183	Malibu Creek Watershed Council -- Conceptual Project List	TMDLS + Regulations Could Be Included in the Action Items	M
184	Malibu Creek Watershed Council -- Conceptual Project List	Research is Important and Needs to be Ongoing; Use Methods Approved by State Parks, LVMWD, RCDSMM etc.	M
185	Malibu Creek Watershed Council -- Conceptual Project List	Monitor Pathogens (Bacteria) + Identify Specific Pathogens	M
186	Malibu Creek Watershed Council -- Conceptual Project List	Consider Deleting Tapia Treatment as a Nutrient Concern (Probably Not).	M
187	Malibu Creek Watershed Council -- Conceptual Project List	Nutrients: consider encouraging everyone to pursue local BMPs	M
188	Malibu Creek Watershed Council -- Conceptual Project List	Assess the Use of Fertilizers in Home and Public Gardens Regionally	M

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189	Malibu Creek Watershed Council -- Conceptual Project List	Outreach to Vintners Regarding BMPS, Including Cover Crops to Reduce Erosion.	M
190	Malibu Creek Watershed Council -- Conceptual Project List	Address Gully Erosion; Sources Include Pipes Into Streams, Poor Construction/Development Practices, Potentially Horses	M
191	Malibu Creek Watershed Council -- Conceptual Project List	Create an annual program to monitor the health of culverts; take the Heal the Bay map of culverts and get funding to create an annual	M
192	Malibu Creek Watershed Council -- Conceptual Project List	Explore Idea of Creating "Green Cops" and Funding More "Green Judges"	M
196	Malibu Creek Watershed Council -- Conceptual Project List	Create Backyard Conservation Program --> Encourage Nativescaping	M
197	Malibu Creek Watershed Council -- Conceptual Project List	Explore Possibility of Reintroduction of Bears.	M
200	Malibu Creek Watershed Council -- Conceptual Project List	Asses Actual Human Health Impacts of Bacteria	M
204	Malibu Creek Watershed Council -- Conceptual Project List	Feasibility Study on Removing Endocrines from Wastewater.	M
226	Mountains Restoration Trust	Modification of Culverts within the Cold Creek Preserve	M
235	National Park Service	Stable Isotope Analysis to Assess Urban Water Inputs	M
448	National Park Service	Zuma Creek Steelhead Trout Habitat Restoration Feasibility Study	M
251	Resource Conservation District of the Santa Monica Mountains	Water Quality Program	M
277	Responsible Agencies in the Malibu Creek Watershed	Develop Inventory of Areas with Confined Animals and Educate Property Owners on Water Quality and BMPs	M
306	USACE, California Dept. of State Parks, support by MCWC	USACE Malibu Creek Watershed Environmental Feasibility Study	M
307	West Basin Municipal Water District	Irrigable Landscapes Study	M
308	West Basin Municipal Water District	Dry-weather Runoff and Stormwater Capture Study	M
309	West Basin Municipal Water District	Synthetic Turf Research and Demonstration Program	M
318	West Basin Municipal Water District	Car Wash Recirculating Study	M
1	Responsible Agencies in the Malibu Creek Watershed	Provide Septic System (OWTS) Pumpers and Customers with Septic System Guides	E
50	City of Malibu	Malibu Clean Water – In Your Neighborhood	E
75	Las Virgenes MWD & Triunfo SD	Designer Bottled Recycled Water	E
84	Malibu Creek Watershed Council -- Conceptual Project List	Malibu Lagoon -- Work with Beaches & Harbors/Lifeguards to Preserve Tidal Pools + Their Contents	E
86	Malibu Creek Watershed Council -- Conceptual Project List	Malibu City -- Support City Efforts to Fix the "Mystery Drain"	E
110	Malibu Creek Watershed Council -- Conceptual Project List	Operations and Management costs for State Parks' Trash	E
113	Malibu Creek Watershed Council -- Conceptual Project List	SOKA -- Protect historic buildings	E
124	Malibu Creek Watershed Council -- Conceptual Project List	Cities and County Provide Annual Report on Wherever Recyclables Go and How They Are Utilized	E
126	Malibu Creek Watershed Council -- Conceptual Project List	Education/outreach for Spanish-speaking Community with Message: Tap Water in Los Angeles IS Potable!	E

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127	Malibu Creek Watershed Council -- Conceptual Project List	Education/Outreach to Los Angeles County --> Our Tap Water Tops Bottled Water!	E
178	Malibu Creek Watershed Council -- Conceptual Project List	Build a Demonstration Green Building in the Mountains; as Per Planned RCDSMM Watershed Center	E
194	Malibu Creek Watershed Council -- Conceptual Project List	Better utilize the Natural Resource Conservation Service	E
205	Malibu Creek Watershed Council -- Conceptual Project List	Education/outreach County-wide to Promote Take-back Program for Unused Drugs and Hormones.	E
441	Mountains Recreation and Conservation Authority, Santa	Washington Elementary School River Parkway	E
227	Mountains Restoration Trust and City of Calabasas	Headwaters Corner at Calabasas	E
228	NA	Malibu / Las Virgenes Model	E
246	Research information used by other agencies and review for possible	Increase Inspections of Post-Development BMPs	E
247	Resource Conservation District of the Santa Monica Mountains	Urban Interpreters for Environmental Education Program	E
248	Resource Conservation District of the Santa Monica Mountains	Go Wild: Nativescaping in the Mountains	E
260	Responsible Agencies in the Malibu Creek Watershed	Development Standards	E
263	Responsible Agencies in the Malibu Creek Watershed	Voluntary Horse Farm Retrofit	E
270	Responsible Agencies in the Malibu Creek Watershed	Partnerships with HOAs to promote water quality and conservation	E
271	Responsible Agencies in the Malibu Creek Watershed	Offer opportunities for Water Conservation and Water Quality in Existing Educational Programs at Schools.	E
272	Responsible Agencies in the Malibu Creek Watershed	Outreach Fact Sheets on Water Quality for Point-of-Sale Distribution	E
274	Responsible Agencies in the Malibu Creek Watershed	Horse Stable and Confined Animal Outreach and Education	E
275	Responsible Agencies in the Malibu Creek Watershed	Outreach to Petowners Linking Waste to Water Quality	E
278	Responsible Agencies in the Malibu Creek Watershed	Post Signs at City and County-owned Trailheads for Equestrian Users Emphasizing Manure Clean-up in Parking Lots	E
279	Responsible Agencies in the Malibu Creek Watershed	RV Disposal Site Outreach Programs	E
280	Responsible Agencies in the Malibu Creek Watershed	Coordinate with Watershed Agencies to Identify Methods to Reach Visitors to the Watershed	E
281	Responsible Agencies in the Malibu Creek Watershed	Outreach at Trailheads Regarding Waste Disposal and Restroom Use	E
282	Responsible Agencies in the Malibu Creek Watershed	Coordinate between Agencies and Environmental Organizations to Prepare Outreach Materials	E
283	Responsible Agencies in the Malibu Creek Watershed	Trash Hauler Outreach	E
284	Responsible Agencies in the Malibu Creek Watershed	Develop Targeted Outreach for Businesses with Greatest Potential to Contribute Pollutants of Concern	E
285	Responsible Agencies in the Malibu Creek Watershed	Expand Media Partnership with Caltrans	E
286	Responsible Agencies in the Malibu Creek Watershed	Work with LVMWD, WBMWD, and WWD 29 to Support/Expand Water Audit and Conservation Programs	E
288	Responsible Agencies in the Malibu Creek Watershed	Modify Inspection Staff Training to Include Enhanced Training on Water Quality Impairments and BMPs	E

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