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Storm Water Resource Plan For the Greater Salinas Area Final

February 14, 2017

Prepared for

Monterey Regional Water Pollution Control Agency
5 Harris Court, Building D
Monterey, CA 93940

K/J Project No. 1668019*00

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List of Acronyms

BMP	best management practice
CEDEN	California Environmental Data Exchange Network
CEQA	California Environmental Quality Act
CO	Community Objective
CRAM	California Rapid Assessment Methodology
CSIP	Castroville Seawater Intrusion Project
CWA	Clean Water Act
DAC	Disadvantaged Community
DMS	Data Management System
EN	Environmental Objective
FM	Flood Management Objective
GAMA	Groundwater Ambient Monitoring and Assessment Program
GHG	greenhouse gas
GMC	Greater Monterey County
IP	Implementation Plan
IRWM Plan	Integrated Regional Water Management Plan
MCRMA	Monterey County Resource Management Agency
MCWRA	Monterey County Water Resource Agency
MEP	Maximum Extent Practicable
MRSWMP	Monterey Regional Stormwater Management Program
MRWPCA	Monterey Regional Water Pollution Control Agency
MS4s	Municipal Separate Storm Sewer Systems
NEPA	National Environmental Policy Act
NGO	Non-Governmental Organization
NPDES	National Pollutant Discharge Elimination System
Prop 1	Proposition 1 Water Quality, Supply, and Infrastructure Improvement Act
RWMG	Regional Water Management Group
RWQCB	Regional Water Quality Control Board
SB 985	Senate Bill 985
SWAMP	Surface Water Ambient Monitoring Program
SWGP	Storm Water Grant Program
SWMPU	Storm Water Management Plan Update

SWRCB	State Water Resources Control Board
SWRP	Storm Water Resources Plan
TMDL	total maximum daily load
WDR	Waste Discharge Requirement
WQ	Water Quality Objective
WS	Water Supply Objective

Section 1: Introduction and SWRP Objectives

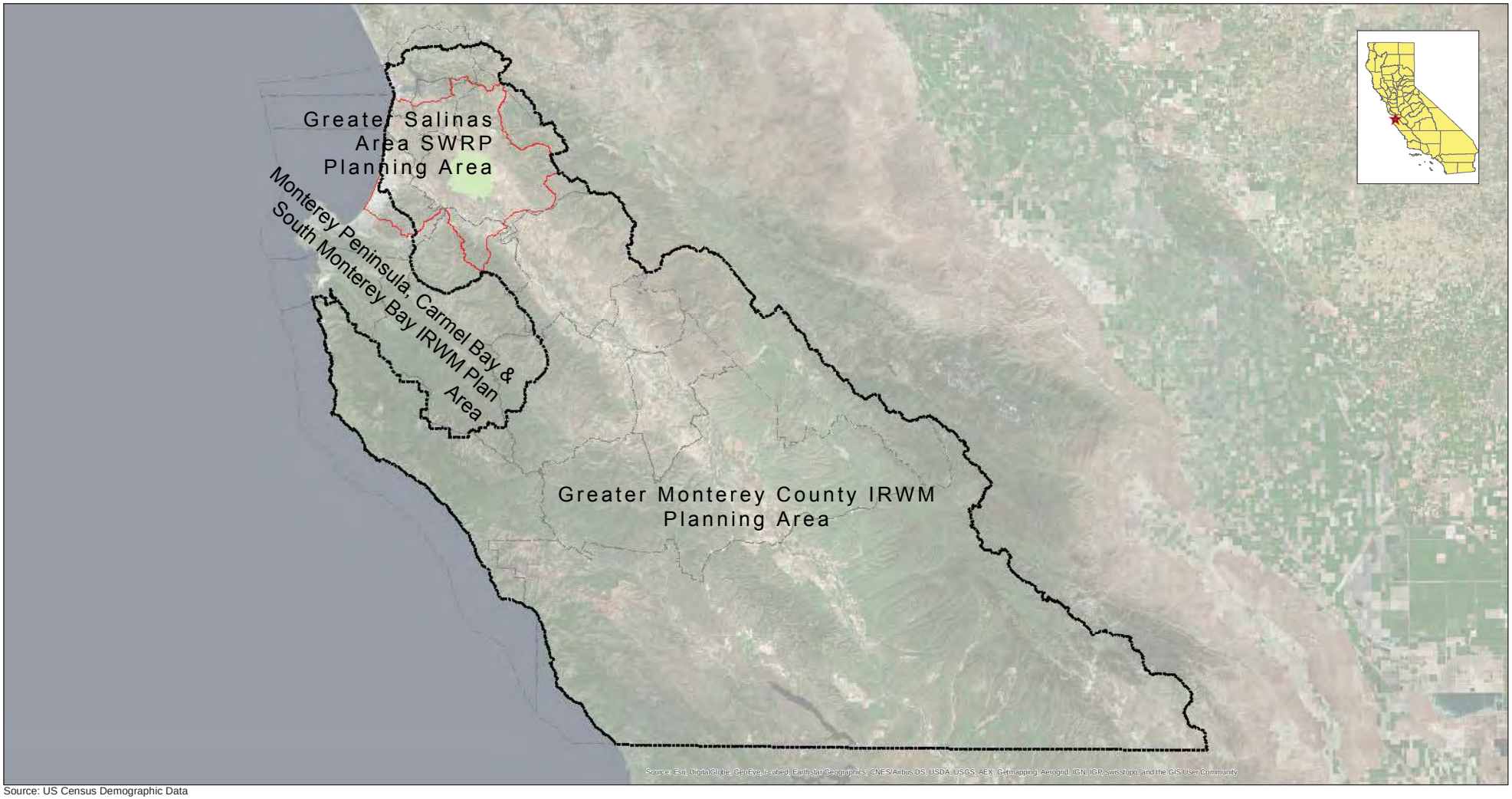
The Water Quality, Supply, and Infrastructure Improvement Act of 2014 (also known as Proposition 1 [Prop 1]) established grant and loan programs for public agencies, nonprofit organizations, public utilities, state and federally recognized Indian tribes, and mutual water companies to support planning and implementation of water projects. One of the programs created by Prop 1 is the Storm Water Grant Program (SWGP) administered by the State Water Resources Control Board (State Water Board). Senate Bill 985 (SB 985), the Storm Water Resource Planning Act, amended the California Water Code to require development of a Storm Water Resource Plan (SWRP) in order to be eligible for grants from a bond act approved after January 1, 2014; therefore, SB 985 applies to Prop 1 and applicants seeking funding from the SWGP are required to develop a SWRP or functionally equivalent plan(s). The State Water Board developed the *Proposition 1 Storm Water Resource Plan Guidelines* (SWRP Guidelines; State Water Board 2015) to assist applicants with the development of their SWRP. This SWRP was developed in accordance with the SWRP Guidelines (see Checklist and Self-Certification in Appendix A).

1.1 Plan Development

Monterey County, located in northern California, has several Integrated Regional Water Management (IRWM) groups within its boundaries; the Greater Monterey County (GMC) IRWM and the Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM group as shown on Figure 1.1. The GMC IRWM group encompasses most of Monterey County including the northern portion of Monterey County where the service areas of the Monterey Regional Water Pollution Control Agency (MRWPCA), the City of Salinas (Salinas) and portions of Monterey County overlap the lower Salinas River and adjacent watersheds.

The Greater Salinas Area SWRP planning area in north Monterey County was selected to acknowledge the focus on both storm water quality and water supply problems caused by sea water intrusion along the Monterey Bay coast in the Salinas area and downstream. The GMC IRWM region receives no “imported” water (except for Salinas River water that originates in San Luis Obispo County), and therefore maintaining the region’s water supply is absolutely critical for ensuring the health, prosperity, and long-term sustainability of local communities in the region. MRWPCA and Salinas are both participants in the GMC IRWM program as well as partners in MRWPCA’s regional water program, Pure Water Monterey. Pure Water Monterey will use storm water as one of the water resources to address water supply and associated seawater intrusion issues in a critically overdrafted aquifer, the Seaside Area subbasin of the Salinas Groundwater Basin. The Pure Water Monterey project elements, including Salinas’ storm water capture, storage, and conveyance projects, are included in the adopted 2015 GMC IRWM Plan (GMC IRWM Plan), most recently updated in 2016.

The Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM are also embarking on a SWRP under a SWGP planning grant. There is a small area of overlap between the Greater Salinas Area SWRP and the Monterey Peninsula, Carmel Bay, and South Monterey Bay SWRP that is being developed. Coordination between the IRWM Regions and the SWRP development occurs through joint participation in meetings as well as in specific outreach.



Source: US Census Demographic Data

- Greater Monterey IRWM Plan
- Greater Salinas Area SWRP Boundary
- Salinas City Limits
- County Boundary

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Miles

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Greater Salinas Area SWRP
Monterey County, CA

IRWM Plan and SWRP Boundaries

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Figure 1.1

The Greater Salinas Area SWRP will build on the collaborative efforts in preparing the GMC IRWM Plan and is led by MRWPCA and Salinas. MRWPCA and Salinas have selected a smaller targeted Planning Area for preparation of this Greater Salinas Area SWRP, as shown on Figure 1.2 to acknowledge the use of storm water as a resource to address seawater intrusion in the Salinas watersheds and downstream. However, this Greater Salinas Area SWRP will be incorporated into a GMCSWRP that encompasses the entire GMC IRWM area in 2017-2018 under a separate SWGP Planning Grant.

Salinas has been envisioning a wide-range of storm water management activities to address flooding, as discussed in Salinas' 2004 Storm Drain Master Plan, as well as water quality compliance with Salinas' National Pollutant Discharge Elimination System (NPDES) Phase 1 Municipal Separate Storm Sewer System (MS4) permit. This collaboration between MRWPCA and Salinas endeavors to put Salinas' storm water to regional beneficial reuse. Other documents such as the GMC IRWM Plan, Salinas Urban Watershed Management Plan (2013), and Salinas Storm Water Master Plan (2004) will be utilized and cover many of the required topics in the SWRP and will be supplemented with additional analysis and public outreach meetings. This plan was created with assistance and input from key members of the GMC IRWM Regional Water Management Group (RWMG).

This Greater Salinas Area SWRP will be submitted to the GMC IRWM RWMG and stakeholders as well as to the Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM groups. In addition, the IRWM Guidelines require that SWRP be incorporated into the IRWM Plan.

1.1 SWRP Plan Objectives

The SWRP Guidelines (p. 17) include several mentions of the need for storm water management objectives as follows:

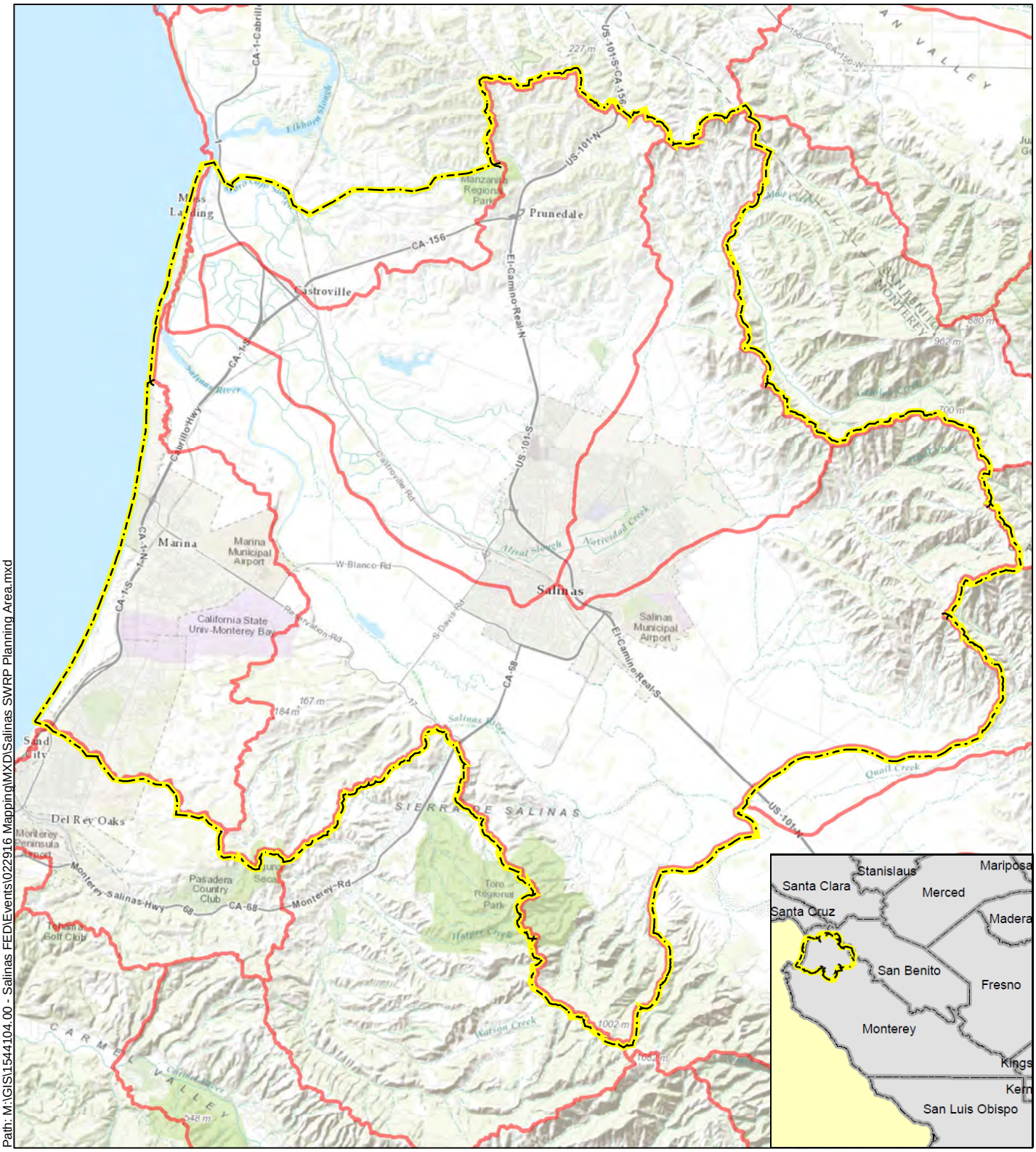
> "Storm water management on a watershed basis provides for a combination of storm water management objectives and multiple benefits throughout the watershed or sub-watershed. Therefore, the Plan should discuss how the ***various storm water management objectives*** within the watershed will protect or improve water quality, water supply reliability, and/or achieve other objectives. The Plan should include a discussion of the added benefits to integration of multiple storm water management strategies, as compared to stand-alone projects.
>
> ***The Plan must discuss how its objectives*** and projects fit into the broader water management goals of the applicable IRWM plan. For the purposes of receiving project implementation funding, submittal of a Storm Water Resource Plan to the applicable IRWM group (for further incorporation into an existing IRWM plan) fulfills the public agency's requirement for "incorporation." However, the State Water Board recognizes that further collaboration and coordination with other agencies within the IRWM group is essential for long-term incorporation."

This portion of the plan describes the development of SWRP objectives and their relationship to the GMC IRWM Plan objectives. One of the key elements of SWRP projects are that they provide multiple-benefits, therefore, acknowledgement of these multiple benefits is important to establishment of SWRP objectives.

Potential storm water benefits include:

1) creation and restoration of wetlands,
2) riverside [riparian] habitats;
3) instream flows,
4) increase in park and recreation lands,
5) urban green space,
6) augments recreation opportunities for communities,
7) increases tree canopy,
8) reduces heat island effect,
9) improves air quality,
10) maximizes water quality,
11) maximizes water supply,
12) maximizes flood management,
13) maximizes environmental benefits, and
14) maximizes other community benefits.

The GMC IRWM Plan was developed based on the *Integrated Regional Water Management Guidelines for Proposition 84 and 1E,* and also includes fourteen objectives related to water management (collectively termed "IRWM Plan benefits" herein), as described in GMC IRWM Plan Section D (page D-1 to D-15; RWMG 2013). Both the SWRP Guideline benefits and the GMC IRWM Plan benefits will be considered in objectives and for the prioritization and selection of projects in Section 5.



Path: M:\GIS\1544104.00 - Salinas FED\Events\022916 Mapping\MXD\Salinas SWRP Planning Area.mxd

Total Acres: 151,791

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Legend

- SWRP Planning Area
- USGS Hydrologic Unit Boundaries

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Greater Salinas Area SWRP
Monterey County, CA

Greater Salinas Area SWRP Planning Area

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Figure 1.2

1.1.1 GMC IRWM Plan Objectives

According to Water Code section 79743, the projects implemented as a result of the SWRP should also address the priorities of the local regional water management group. The GMC IRWM Plan goals and objectives were identified as the major water resource issues in the region and as such, reflect water resource management values and overall priorities for the GMC region. Therefore it is natural that the Greater Salinas Area SWRP utilizes the GMC IRWM Plan goals and objectives to further define the storm water management strategies that meet the SWRP Objectives. Appendix B presents a detailed table that shows the relationship between the IRWM Plan objectives (storm water management strategies), SWRP Benefit Categories, and benefits identified by Water Code section 79747.

1.1.1.1 Basin Plan Goals Relevant to Storm Water

The Central Coast Basin Plan is the water quality control plan formulated and adopted by the Regional Water Quality Control Board for the Central Coast region (Central Coast RWQCB), which regulates water quality in the GMC IRWM region. The objective of the Basin Plan is to show how the quality of the surface and ground waters in the Central Coast Region should be managed to provide the highest water quality reasonably possible. The Basin Plan lists various water uses (Beneficial Uses), describes the water quality which must be maintained to allow those uses (Water Quality Objectives), and outlines an implementation plan for achieving those standards. In addition, the Central Coast RWB has established planning goals for water quality in the Central Coast Region (p. IV-2).

The objectives for the GMC IRWM region include meeting the water quality standards outlined in the Central Coast Basin Plan, and are consistent with the overarching planning goals promulgated by the Central Coast RWQCB.

1.1.2 Greater Salinas Area SWRP Objectives

Storm water management on a watershed basis provides for a combination of storm water management objectives and multiple benefits throughout the watershed or sub-watershed. The Greater Salinas Area SWRP Objectives are based on the Benefit Categories found in Table 3.1 of the SWRP Guidelines as follows:

- Water Quality
- Water Supply
- Flood Management
- Environmental
- Community

Applicable GMC IRWM Plan objectives are used to further describe the storm water management strategies that achieve SWRP objective(s). The following sections summarize the SWRP objectives and possible combination of strategies that will be used to prioritize storm water projects for the Greater Salinas Area SWRP. As described in the sections below, many of the storm water management strategies will meet multiple objectives; this SWRP prioritizes projects that employ multiple storm water management strategies and/or meet multiple objectives. A discussion of how SWRP Objectives relate to individual projects is included in Section 5.2.

1.1.2.1 Water Quality Objective

The main benefit of the Water Quality (WQ) Objective is increased filtration and/or treatment of runoff. There are six storm water management strategies from the GMC IRWM Plan that relate to water quality. Of these, two also meet at least one additional objective:

1. WQ.3 also relates to the Water Supply Objective in addition to the Water Quality Objective.

2. WQ.4 also helps achieve the Flood Management and Environmental Objectives in addition to the Water Quality Objective.

SWRP Objective	GMC IRWM Plan Storm Water Management Strategies
Water Quality (WQ) while contributing to compliance with applicable permit and/or TMDL requirements Main Benefit: • Increased filtration and/or treatment of runoff Secondary Benefits: • Nonpoint source pollution control • Reestablish natural water drainage and treatment	**WQ.1** Promote practices necessary to meet, or where practicable, exceed all applicable water quality regulatory standards (for drinking water, surface and groundwater quality).
	WQ.2 Incorporate or promote principles of low impact development where feasible, appropriate, and cost effective.
	WQ.3* Protect surface waters and groundwater basins from contamination and the threat of contamination.
	WQ.4* Promote programs and projects to reduce the quantity and improve the quality of urban and agricultural runoff and/or mitigate their effects in surface waters, groundwater, and the marine environment.
	WQ.5 Promote regional monitoring and analysis to better understand water quality conditions.
	WQ.6 Promote dialogue between federal and state regulators and small water system managers to facilitate water quality regulation compliance.

Note:
* This Storm water Management Strategy can achieve multiple objectives as noted above.

1.1.2.2 Water Supply Objective

There are seven GMC IRWM Plan storm water management strategies that are relevant to the SWRP Water Supply (WS) Objective. Of these, one also meets at least one additional objective:

1. WS.5 also pertains to the Water Quality Objective in addition to the Water Supply Objective.

SWRP Objective	GMC IRWM Plan Storm Water Management Strategies
Water Supply through groundwater management and/or runoff capture and use Main Benefit: • Water supply reliability • Conjunctive use Secondary Benefit: • Water conservation	**WS.1** Optimize the use of groundwater storage with infrastructure enhancements and improved operational techniques.
	WS.2 Increase and optimize water storage and conveyance capacity through construction, repair, replacement, and augmentation of infrastructure.
	WS.3 Diversify water supply sources, including but not limited to the use of recycled water.
	WS.4 Maximize water conservation programs.
	WS.5* Capture and manage storm water runoff.
	WS.6 Optimize conjunctive use where appropriate.
	WS.7 Support research and monitoring to better understand identified water supply needs.

Note:
* This Storm water Management Strategy achieve multiple objectives as noted above.

1.1.2.3 Flood Management Objective

There are seven GMC IRWM Plan storm water management strategies that pertain to the SWRP Flood Management (FM) Objective. Of these, two can also include at least one additional objective:

1. FM.4 relates to the Environmental and Community Objectives in addition to the Flood Management Objective.

2. FM.5 relates to the Environmental Objective in addition to the Flood Management Objective.

SWRP Objective	GMC IRWM Plan Storm Water Management Strategies
Flood Management Main Benefit: • Decreased flood risk by reducing runoff rate and/or volume Secondary Benefit: • Reduced sanitary sewer overflows	**FM.1** Improve septic systems, sewer system infrastructure, wastewater treatment systems, and manure management programs to prevent water quality contamination.
	FM.2 Promote projects and practices to protect infrastructure and property from flood damage.
	FM.3 Improve flood management infrastructure and operational techniques/strategies.
	FM.4* Implement flood management projects that provide multiple benefits such as public safety, habitat protection, recreation, agriculture, and economic development.
	FM.5* Develop and implement projects to protect, restore, and enhance the natural ecological and hydrological functions of rivers, creeks, streams, and their floodplains.
	FM.6 Support research and monitoring efforts to understand the effects of flooding on transport and persistence of pathogens in food crop production areas.
	FM.7 Support management of flood waters so that they do not contaminate fresh produce in the field.

Note:
* This Storm water Management Strategy can achieve multiple objectives as noted above.

1.1.2.4 Environmental Objective

There are 14 GMC IRWM Plan storm water management strategies that further the SWRP Environmental (EN) Objective. Of these, two also achieve at least one additional objective:

1. EN.2 also pertains to the Water Quality Objective in addition to the Environmental Objective.

2. EN.8 also pertains to the Water Quality Objective in addition to the Environmental Objective.

SWRP Objective	GMC IRWM Plan Storm Water Management Strategies
Environmental Main Benefit: • Environmental and habitat protection and improvement, including; ○ wetland enhancement/ creation; ○ riparian enhancement; and/or ○ instream flow improvement • Increased urban green space Secondary Benefit: • Reduce energy use, greenhouse gas emissions, or provide a carbon sink • Reestablish of the natural hydrograph • Water temperature improvements	**EN.1** Promote projects to prevent seawater intrusion.
	EN.2* Support monitoring to better understand major sources of erosion, and implement a comprehensive erosion control program.
	EN.3 Support science-based projects to protect, improve, enhance, and/or restore the region's ecological resources, while providing opportunities for public access and recreation where appropriate.
	EN.4 Protect and enhance state and federally listed species and their habitats.
	EN.5 Minimize adverse environmental impacts of water resource management projects.
	EN.6 Support applied research and monitoring to better understand environmental conditions, environmental water needs, and the impacts of water-related projects on environmental resources.
	EN.7 Implement fish-friendly stream and river corridor restoration projects.
	EN.8* Reduce adverse impacts of sedimentation into streams, particularly from roads and non-point sources.
	EN.9 Plan for potential impacts of future climate change.
	EN.10 Support increased monitoring and research to obtain greater understanding of long-term impacts of climate change in the GMC region.
	EN.11 Support efforts to research alternative energy and to diversify energy sources appropriate for the region.
	EN.12 Seek long-term solutions to reduce greenhouse gas (GHG) producing energy use.
	EN.13 Seek long-term solutions to maintain and protect existing pristine natural resources from the impacts of climate change.
	EN.14 Support research and/or implementation of land-based efforts such as carbon-sequestration on working lands and wildlands in the GMC region.

Note:
* This Storm water Management Strategy can achieve multiple objectives as noted above.

1.1.2.5 Community Objective

There are 10 GMC IRWM Plan storm water management strategies relate to the SWRP Community (CO) Objective. Of these, five can also meet at least one additional objective:

1. CO.1 furthers the Water Quality, Water Supply, Flood Management, and Environmental Objectives in addition to the Community Objective.

2. CO.4 furthers the Water Quality and Water Supply Objectives in addition to the Community Objective.

3. CO.7 relates to the Water Quality and Water Supply Objectives in addition to the Community Objective.

4. CO.9 helps achieve the Water Quality and Flood Management Objectives in addition to the Community Objective.

5. CO.11 also pertains to Water Quality and Environmental Objectives in addition to the Community Objective.

SWRP Objective	GMC IRWM Plan Storm Water Management Strategies
Community Main Benefit: • Employment opportunities provided • Public education Secondary Benefit: • Community involvement • Enhance and/or create recreational and public use areas	**CO.1*** Promote public education, including outreach to DACs**, about water supply, local flood management, water resources protection, pollution prevention, conservation, water quality, and watershed health issues and needs, as well as impacts of climate change, particularly as it relates to water resource management in the GMC region.
	CO.2 Consider opportunities to purchase fee title or conservation easements on lands from willing sellers that provide integrated water resource management benefits. Ensure adequate funding and infrastructure to manage properties and/or monitor easements.
	CO.3 Facilitate dialogue and reduce inconsistencies in water management strategies/regulations between local, regional, state, and federal entities.
	CO.4* Foster collaboration between regional entities to minimize and resolve potential conflicts and to obtain support for responsible water supply solutions and improved water quality.
	CO.5 Build relationships with federal, state, and local regulatory agencies and other water agencies to facilitate the permitting, planning, and implementation of water-related projects.
	CO.6 Increase stakeholder input and public education about the need, complexity, and cost of strategies, programs, plans, and projects to improve water supply, water quality, flood management, coastal conservation, and environmental protection.
	CO.7* Seek funding opportunities to ensure all communities have a water system with adequate, safe, high-quality drinking water
	CO.8 Seek funding opportunities to ensure all communities have adequate wastewater treatment.
	CO.9* Ensure that DACs are adequately protected from flooding and the impacts of poor surface and groundwater quality.
	CO.10 Provide support for the participation of DACs in the development, implementation, monitoring, and long-term maintenance of water resource management projects.

Note:
* This Storm water Management Strategy can achieve multiple objectives as noted above.
** DAC=Disadvantaged Community

1.2 Plan Organization

This SWRP is divided into the following sections as outlined below:

- Section 1 – Introduction and SWRP Objectives: provides an overview of the document and identifies the storm water management objectives of this SWRP.

- Section 2 – Watershed Identification: identifies the SWRP boundary and watersheds within the planning area.

- Section 3 – Water Quality Compliance: identifies water quality issues within the major watersheds, including pollutants identified on the 303(d) list of impaired water bodies or with relevant TMDLs. This section also includes discussion of the SWRP in relation to applicable TMDL Implementation Plans (IPs) and MS4 Permits.

- Section 4 - Organization, Coordination, and Collaboration: describes the community engagement process that occurred during plan development, including identification of stakeholders, an overview of the existing GMC IRWM group, and the mechanisms used to engage stakeholders and the public in plan development.

- Section 5 - Identification and Prioritization of Projects: includes a list of previously identified projects, the process of site selection and development of SWRP projects, conceptual designs for each SWRP project, the methodology and results for quantification of water supply and water quality benefits of proposed projects, and prioritization of both SWRP and previously identified projects.

- Section 6 - Implementation Strategy and Schedule: outlines programs to assist in implementation of strategies identified in this SWRP, including community outreach during project development. This section also discusses how current monitoring required by the MS4 Permits will be utilized as part of the adaptive management process, in addition to a general schedule of SWRP milestones.

- Section 7: Education, Outreach and Public Participation.

Section 2: Watershed Identification

2.1 Watershed Description

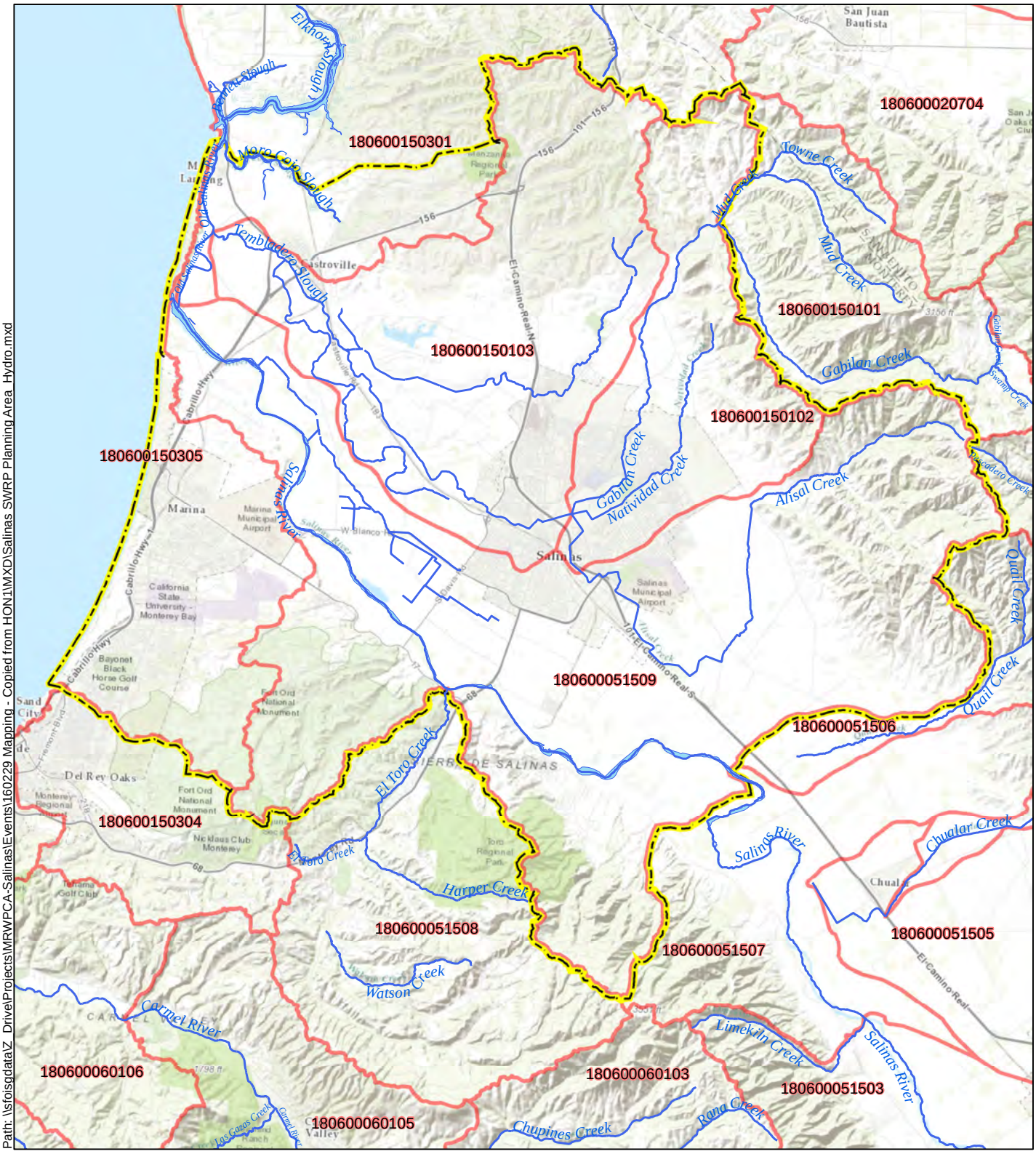
The GMC IRWM region includes the entirety of Monterey County exclusive of the Pajaro River Watershed IRWM region and the Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM regions established under Proposition 50 as shown on Figure 1.1. The GMC IRWM region is about 3,199 square miles (about 2 million acres) and includes the following six major watersheds (or portions thereof):

- Salinas River watershed, the largest within the region;
- Santa Lucia watershed, comprised of the numerous coastal watersheds along the Big Sur coast (including the Big Sur River watershed and Little Sur River watershed, among many others);
- Estrella River watershed which is located in the southern part of the county (most of this watershed is actually located in San Luis Obispo County);
- Bolsa Nueva watershed in the northern most part of the region;
- the Gabilan Creek watershed (which includes the Santa Rita, Gabilan, Natividad, and Alisal Creeks) also at the northern end of the county; and
- a small portion of the Estero Bay watershed at the southern end of the county along the Big Sur coast (RWMG 2014).

The drainage area for this SWRP is a portion of the GMC IRWM region and includes the Gabilan watershed, the majority of which lies in the City of Salinas limits incorporated in the GMC IRWM region as well as portions of the lower Salinas River and Bolsa Nueva watershed downstream of Salinas as shown on Figure 2.1. The total area of this Greater Salinas Area SWRP is about 237 square miles (151,000 acres). These watersheds are further broken down into subwatersheds in the vicinity of the City of Salinas, these subwatersheds are: Tembladero Slough Subwatershed and El Toro Creek – Salinas River Subwatershed. Tembladero Slough Subwatershed can be further broken down into three smaller subwatersheds: Gabilan Creek, Natividad Creek, and Santa Rita Creek (City of Salinas 2013).

2.1.1 Watershed Management Issues

Management issues in the Greater Monterey County region watersheds are typical of those in watersheds throughout coastal California. Some of the most significant watershed management issues include the decline of aquatic species, and in particular, steelhead trout, erosion, invasive species, and fire management (RWMG 2014).



Total Acres: 151,791

0 0.75 1.5 3 Miles

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Legend

- Rivers, Streams, Creeks
- Rivers, Streams, Creeks
- SWRP Planning Area
- USGS Hydrologic Unit Boundaries

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Greater Salinas Area SWRP
Monterey County, CA

Planning Area Hydrology

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Figure 2.1

Steelhead: Critical habitat has been designated for South-Central California Coast steelhead along the entire Big Sur coast and within the Salinas River basin, which includes the Salinas River, the Salinas River Lagoon, Gabilan Creek, Arroyo Seco River, Nacimiento River, the San Antonio River, and their tributaries. The National Marine Fisheries Service has identified seven principal threats that have contributed to the destruction, modification, or curtailment of the habitat or range of the South-Central California Coast steelhead. These include:

1) alteration of natural stream flow patterns;
2) physical impediments to fish passage;
3) alteration of floodplains and channels, including the degradation or elimination of riparian areas;
4) sedimentation;
5) urban and rural waste discharges;
6) spread and propagation of exotic species (such as bass and bullfrogs that prey on juvenile steelhead, and non-native plants such as *Arundo donax* and Tamarix); and
7) loss of estuarine habitat.

In the Salinas River system, two major factors contributing to the decline of steelhead are reduced instream flows limiting migration into the upper tributaries, and the reduction and degradation of riparian habitat due to agriculture, building construction, and other land use practices (RWMG 2014).

Erosion: Erosion is a widespread problem in Monterey County, due in part to the erosive nature of local soils as well as from land use practices. These land use practices include farming on steep slopes, unmaintained or improperly designed dirt roads, altered water channels that increase water velocities and alter the natural sediment balance, and areas that have been denuded of vegetation by fire, overgrazing, or clearing. Erosion from roads, agriculture, and unstable stream banks may carry pollutants and can be detrimental to aquatic habitat and organisms (RWMG 2014).

Invasive Species: Invasive plant species out-compete local native plant species for water and space because they are more prolific, have more vigorous growth, and lack predators that would otherwise help to keep them in check. They degrade habitat for other wildlife, domestic animals, recreation, and other land use activities. In addition, weedy species can increase wildfire hazard and frequency, which is considered particularly problematic in Monterey County where wildfires pose a major threat. Invasive species affect terrestrial, freshwater, estuarine, and marine systems throughout the region and pose a major challenge to private landowners, farmers, ranchers, and resource managers. The invasive plant and animal species inhabiting the Greater Monterey County region are too numerous to list, but “top offenders” for non-native plants in Monterey County include: *Arundo donax*, yellow star thistle, cape ivy, French broom, pampas/jubata grass, and wakame (a marine invasive plant, which is under eradication in Monterey Bay) (RWMG 2014).

Fire Management: Portions of Monterey County, particularly the Big Sur coast area, are susceptible to major wildfires, and while wildfires are a necessary part of the natural cycle, they can cause serious degradation to water and other natural resources. Major wildfires can cause excessive erosion and impaired water quality in creeks, destroy or damage small community

water and wastewater systems, and damage public and private roads. Runoff from rain can wash debris from wildfires into coastal creeks and the ocean, with potentially detrimental effects on nearshore marine communities (RWMG 2014).

As development in the wildland/urban interface continues to grow, wildfires also pose an increasing threat to human lives and infrastructure. Fire management at the wildland/urban interface brings to fore competing interests between those whose mission it is to protect structures and those whose mission it is to protect forestlands. While foresters and environmentalists tend to consider natural fires (or when appropriate, prescribed burns) to be healthy for the forest and helpful or even necessary for reducing the intensity of wildfires, those whose job it is to fight structure fires, and certainly most homeowners, tend to consider all fires destructive and dangerous. This dichotomy poses a growing challenge for foresters, fire fighters, policy makers, land use planners, and others involved in fire management issues in the region (RWMG 2014).

2.1.2 Hydrologic Boundary Types

The IRWM Plan for the GMC is based on CalWater watershed delineation while this Greater Salinas Area SWRP is based on USGS hydrologic units as shown on Figure 3. The SWRP Guidelines allow either of these delineations for stormwater resource planning. A summary of the hydrologic boundary types is presented in Table 2.1, below.

Table 2.1 Hydrologic Boundary Type

Information Type	Description	Source
Area	3,199 square miles for GMC IRWM Region	U.S. Census Bureau data for Monterey County
	237 square miles for Greater Salinas Area SWRP	USGS Water Resources Hydrologic Unit GIS data
USGS Region Description	California Region and Central California Coastal Subregion	USGS Water Resources Hydrologic Unit Map
Watershed/ Hydrologic Region Designation	Central Coast Hydrologic Region	California Department of Forestry and Fire Protection, Fire and Resource Assessment Program, CalWater – A Standardized Set of Watersheds
CalWater Watershed Unit	Hydrologic Unit (672 square miles) Hydrologic Sub-Area (195 square miles) and a Hydrologic Area (244 square miles)	Storm Water Resource Plan Guidelines (State Water Board 2015)
Basin Planning Area	Central Coast Regional Water Quality Control Board	http://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan/index.shtml

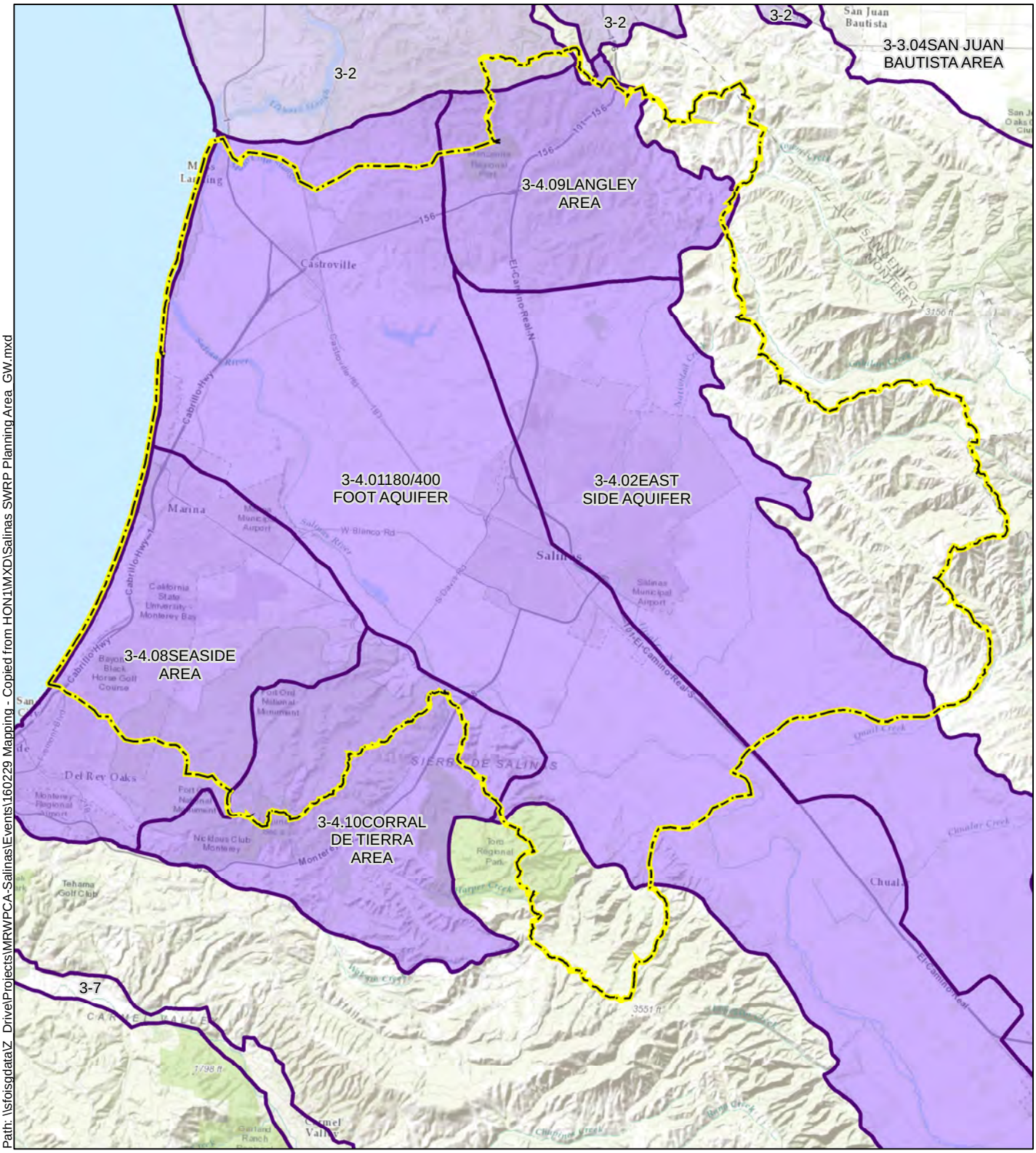
Watersheds do not commonly follow corporate or municipal/county boundaries. Water that falls in one jurisdiction may flow through several more jurisdictions and numerous environmental ecosystems before it reaches its final destination. This is especially true in the Salinas area. Water that begins its journey in the relatively undisturbed Gabilan and Santa Lucia Mountains drains farmlands and other cities and developed areas before entering Salinas. Once in the Planning Area, water passes through municipal neighborhoods (i.e., City of Salinas) before re-entering farmlands, provides ecological habitat benefit before draining ultimately to Monterey Bay. On its journey, water flows through several different land uses, some more than once, and often through several different jurisdictions (City of Salinas 2013). The interrelatedness of upstream and downstream stakeholders is the main reason to address storm water and dry weather runoff concerns through projects submitted under this SWRP. It is also the reason behind the Plan's collaborative approach to management of these resources.

2.1.3 Groundwater Resources

The Greater Salinas Area SWRP Planning Area primarily overlies the Salinas Valley Groundwater Basin as shown in Figure 2.2. The Langley Area and East Side Aquifer are subbasins of the East Side Subarea, which consists of 87,000 acres and includes unconfined and semi-confined aquifers in the northern portion of the basin that historically received some of their recharge from percolation from stream channels on the west slope of the Gabilan Range. As a result of extractions in excess of recharge, the declines in groundwater level in the East Side subarea have increased subsurface recharge from the Pressure subarea and the Forebay subarea. The groundwater level in the East Side subarea is declining more rapidly than any other subarea in the Salinas Valley basin. The inflow from the Pressure and Forebay subareas is now a larger source of recharge than the stream channels coming from the Gabilan Range (RWMG 2014).

The 180/400 Foot Aquifer, Seaside Area, and Corral De Tierra Area are subbasins within the Pressure Subarea. The Pressure subarea includes approximately 114,000 acres between Gonzales and Monterey Bay. It is composed mostly of confined and semi-confined aquifers separated by clay layers (aquicludes) that limit the amount of vertical recharge. Three primary water-bearing strata have been identified in the Pressure subarea: the 180-Foot Aquifer, the 400-Foot Aquifer, and the Deep (900-Foot) Aquifer. The Deep Aquifer has only recently begun to be used as a water supply source (RWMG 2014).

Two major water quality problems affecting the Salinas Valley Groundwater Basin are nitrate contamination and seawater intrusion. Nitrate contamination in the Salinas Valley is due primarily to use of nitrogen-based synthetic fertilizers for irrigated agriculture, and commonly occurs in the unconfined and semi-confined aquifers that underlie areas of intense agricultural activity. However, nitrate contamination can also be caused from septic system failures, from wastewater treatment ponds located in floodplains, and from livestock waste. In 2007, 37 percent of the 152 wells sampled in the Salinas Valley Groundwater Basin showed nitrate levels greater than the maximum DWS of 45 mg/l NO_3, with concentrations highest in the Upper Valley (outside of the SWRP Planning Area) and East Side Subareas (RWMG 2014).



0 0.75 1.5 3 Miles

N

Legend

- SWRP Planning Area
- DWR Groundwater Subbasins
- PAJARO VALLEY
- SALINAS VALLEY

Kennedy/Jenks Consultants

Greater Salinas Area SWRP
Monterey County, CA

Planning Area Groundwater Basins

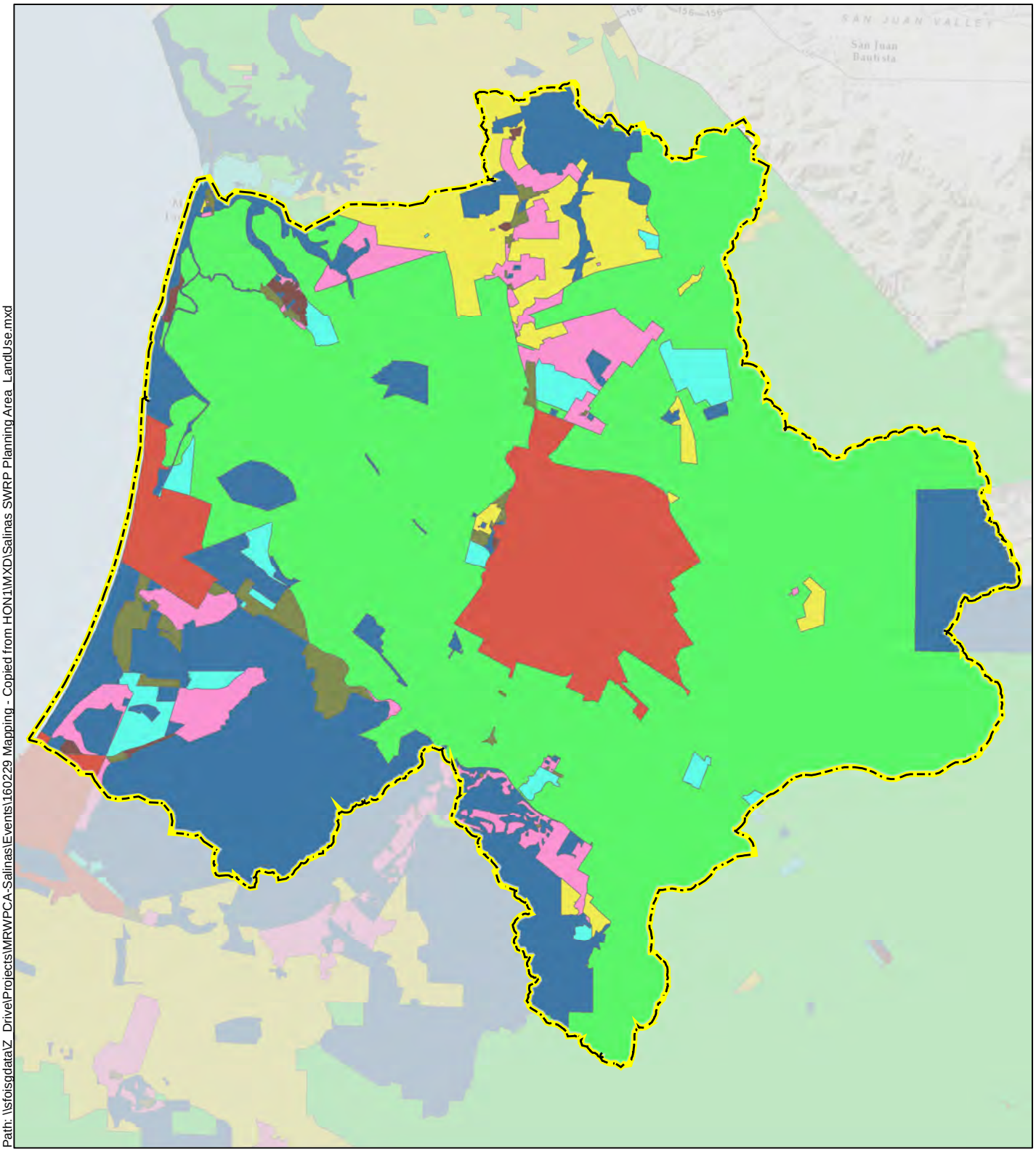
K/J Project Number 1544104*00
February 2017

Figure 2.2

Seawater intrusion was first observed in a few wells in the Castroville area in 1932. By the 1940s, many agricultural wells in the Castroville area had become so salty that they had to be abandoned. The East Side and Pressure Subareas of the Salinas Valley Groundwater Basin are most impacted by overdraft (Monterey County Water Resource Agency 1997). Seawater has been intruding into these aquifers at a rate of approximately 28,800 AFY (Cal Water 2010b). In 2011, the total acres overlying the seawater intrusion front in the Pressure 180-Foot Aquifer equaled 28,142 acres, having advanced 351 acres since 2009. The total acres overlying the seawater intrusion front in the Pressure 400-Foot Aquifer in 2011 equaled 12,573 acres, having advanced 476 acres since 2009. Seawater has intruded approximately seven miles inland in the 180-Foot Aquifer and three miles inland in the 400-Foot Aquifer. As a result of seawater intrusion, urban and agricultural supply wells have been abandoned, destroyed, and relocated (RWMG 2014).

2.2 Land Use

The land use in the Greater Salinas Area SWRP is dominated by rural agricultural lands with some urban land uses as shown on Figure 2.3. Table 2.2 summarizes the land use distribution in the GMC IRWM Plan area, which is approximately 3,199 square miles (about 2 million acres) and the Salinas Watersheds SWRP planning area of about 237 square miles (151,000 acres). As presented in Table 2.2, 24 percent of the Greater Salinas Area SWRP Planning Area is urban (i.e., industrial, commercial, or residential), 57 percent agriculture (i.e., crop/farmland and vineyard/berries) and only approximately 19 percent of that area as natural areas. As shown in Table 2.1, most of the GMC IRWM region is annual grassland or woodland areas comprised of grazing or public land, and therefore as a whole, is largely undeveloped. In the limited areas of development, the natural watershed processes have been disrupted due to urbanization and agriculture. Critical habitat designated areas and wildlife corridors preserved as a part of local, state, or national parks and natural estuarine or coastal protected areas in the Greater Salinas Area are presented on Figure 2.4 and for the GMC IRWM region are presented on Figure 2.5.



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Legend

- SWRP Planning Area

Land Use Class

- High Density Residential
- Medium Density Residential
- Low Density Residential
- Industrial
- Low Density Commercial
- Mixed Use (Res/Comm)
- Urban Reserve
- Agricultural
- Open space/Public Lands

0 0.5 1 2 Miles

N

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Greater Salinas Area SWRP
Monterey County, CA

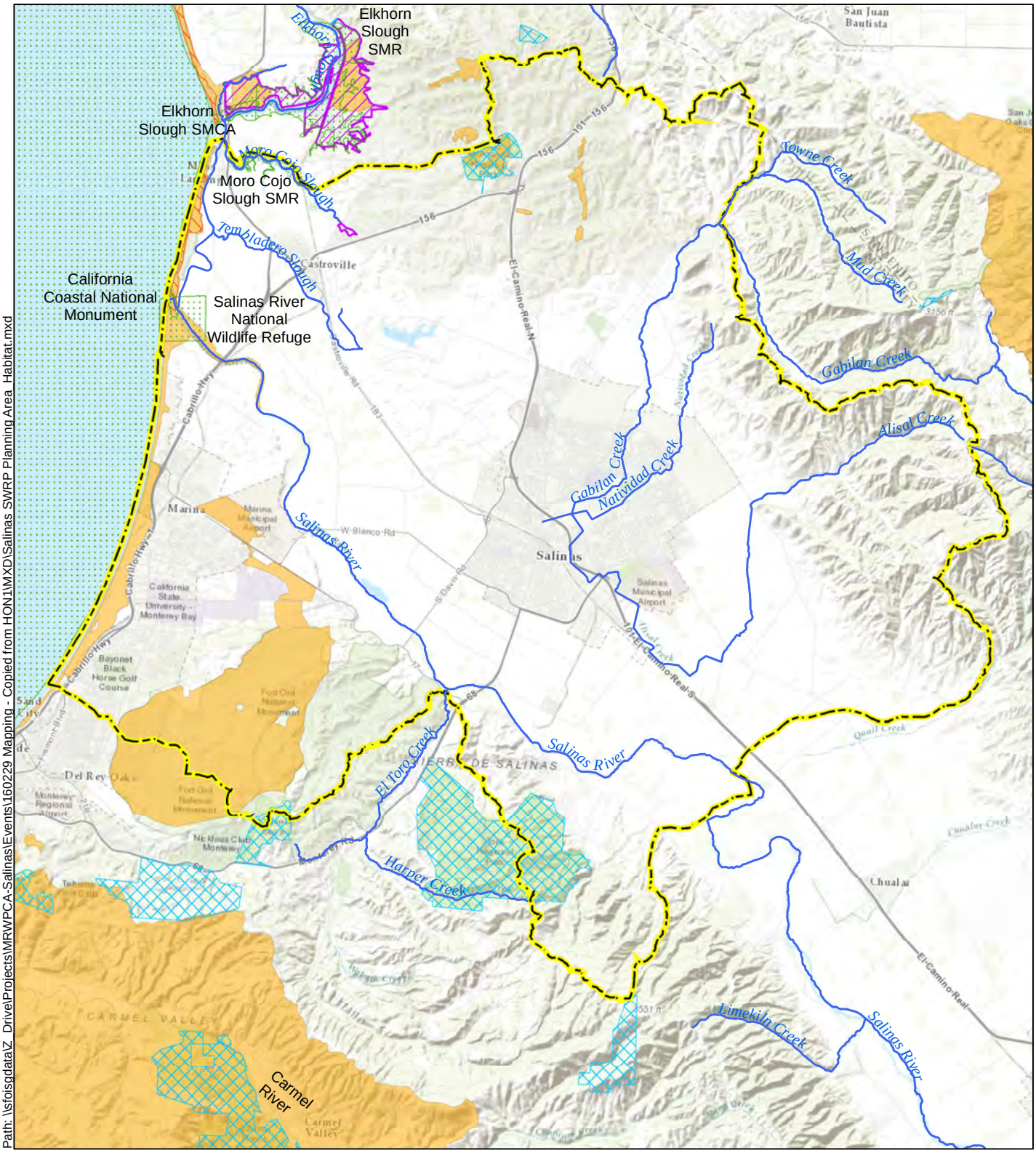
Planning Area Land Use

K/J Project Number 1544104*00
February 2017

Figure 2.3

Table 2.2 Planning Area Land Use Distribution

Land Use	Total Acres	Percent of Total
Agricultural	85,822	57
High Density Residential	511	<1
Industrial	4,048	3
Low Density Commercial	2,657	2
Low Density Residential	7,236	5
Medium Density Residential	7,279	5
Open Space/Public Lands	29,170	19
Urban Reserve	14,736	10
Other	<1	<1
Total	**151,459**	**100**



Legend

- Rivers and Streams
- SWRP Planning Area
- California Dept. of Fish and Game
- California Dept. of Parks and Recreation
- County-City-Regional Parks and Preserves
- FWS Critical Habitat
- Federal Land

SMCA State Marine Conservation Area
SMR State Marine Reserve

Miles
0 0.75 1.5 3

N

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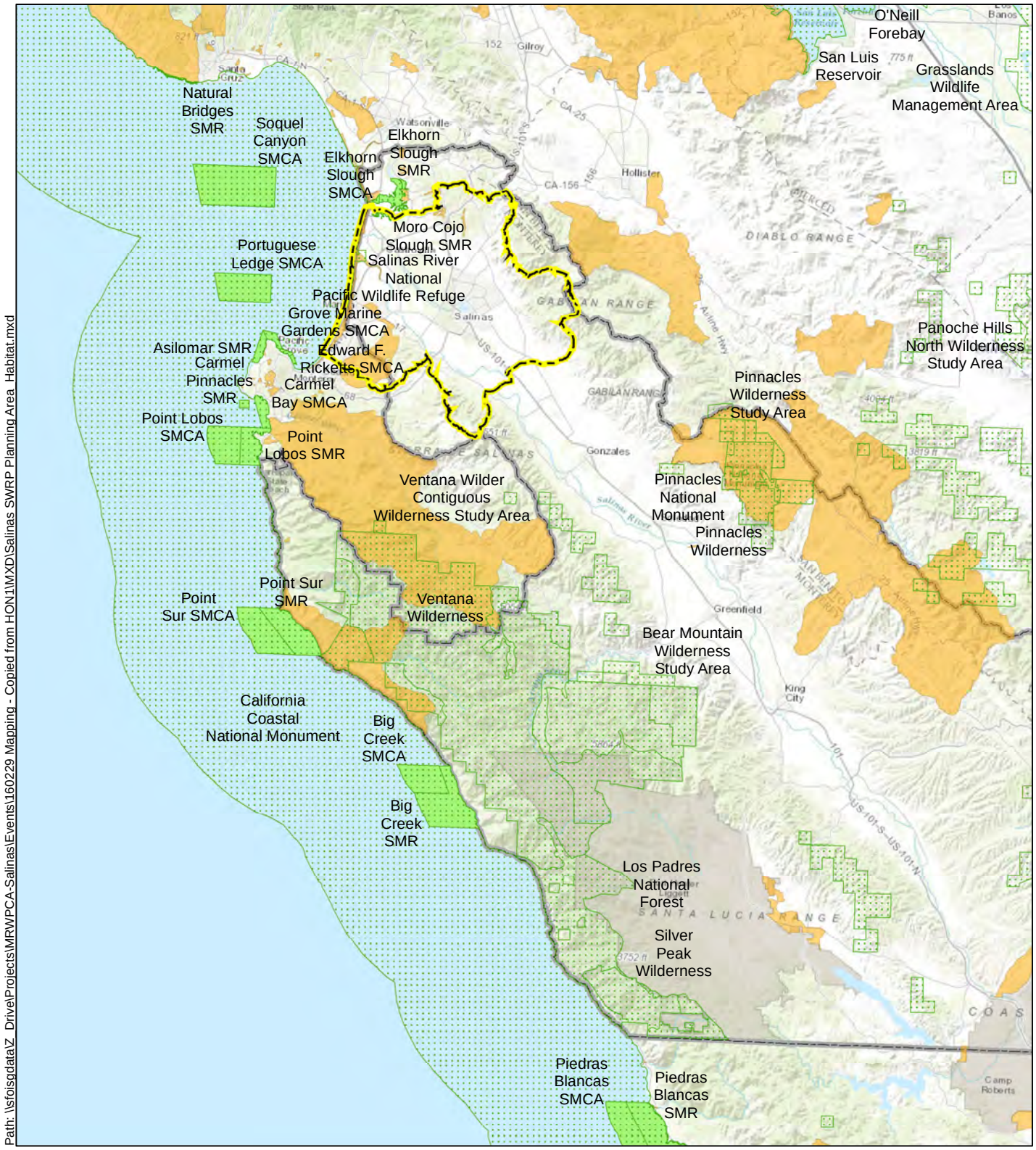
Greater Salinas Area SWRP
Monterey County, CA

Greater Salinas Area
Critical Habitat and Wldlife Corridors

K/J Project Number 1544104*00
February 2017

Figure 2.4



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Miles
0 3.5 7 14

N

Legend

- SWRP Planning Area
- Greater Monterey County IRWMP Boundary
- FWS Critical Habitat
- Federal Land
- California Marine Protected Area

SMCA State Marine Conservation Area
SMR State Marine Reserve

Kennedy/Jenks Consultants

Greater Salinas Area SWRP
Monterey County, CA
Greater Monterey County IRWMP
Critical Habitat and Wildlife Corridors

K/J Project Number 1544104*00
February 2017

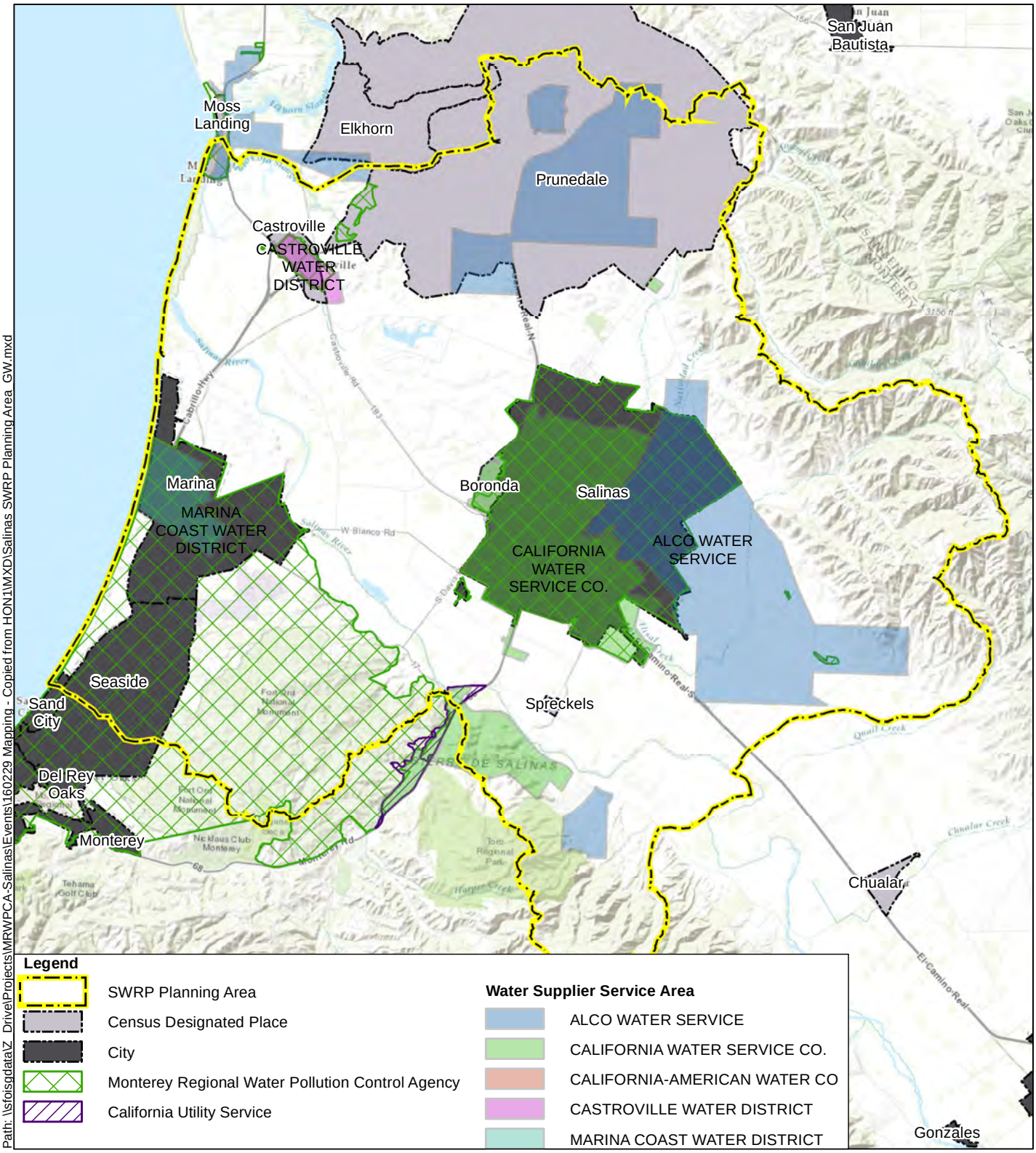
Figure 2.5

2.2.1 Water and Wastewater Service Providers

As shown on Figure 2.6, the Cities of Salinas, Marina, and Seaside are located within the Greater Salinas Area SWRP Planning Area. Unincorporated communities within the Planning Area include Prunedale, Boronda, Castroville, Moss Landing, and Spreckels. Water supply in the region is managed by several agencies, both public and private. Monterey County Water Resource Agency (MCWRA), formed in 1947, is the primary water management agency for Monterey County and is responsible for managing, protecting, and enhancing water supply and water quality, as well as providing flood protection, in the County. The MCWRA owns and operates the Nacimiento and San Antonio Dams, and is responsible for maintaining some portions of the Salinas Reclamation Ditch. Flood control also falls under the authority of municipalities throughout the region, which are responsible for storm drain maintenance and surface water disposal. Table 2.3 summarizes the water suppliers and service areas for connection greater than 200, and wastewater treatment providers within the SWRP Planning Area (RWMG 2014).

Table 2.3 Water Supply (Connections >200) and Wastewater Treatment Providers

Service Supplier	Service Area within the Greater Salinas Area SWRP	Water Supply	Wastewater Treatment
Alco Water Service Company	Service areas within the City of Salinas – north and east sides	X	
California American Water Company	Spreckels, Ralph Lane, Las Palmas, Indian Springs, Oak Hills	X	X
California Utility Service	Toro Park		X
California Water Service Company	Salinas District (including 70% of the City of Salinas, plus Bolsa Knolls, Las Lomas, Oak Hills, Country Meadows, Salinas Hills, and Buena Vista)	X	
Castroville Community Services Area	Community of Castroville	X	
Marina Coast Water District	City of Marina	X	
Monterey Regional Water Pollution Control Agency	City of Salinas, Marina, unincorporated areas within the Planning Area		X
Pajaro/Sunny Mesa Community Services District	Prunedale area	X	
Spreckels Water Company	Community of Spreckels	X	



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N

0 0.75 1.5 3 Miles

Kennedy/Jenks Consultants

Greater Salinas Area SWRP
Monterey County, CA

Planning Area Internal Boundaries

K/J Project Number 1544104*00
February 2017

Figure 2.1

Alco Water Service

Alisal Water Corporation, dba Alco Water Service (Alco), is an investor-owned public utility water company that has been providing public utility water service to the Alisal community, which was eventually incorporated into the City of Salinas, since 1932. Alco's rates and service quality are regulated by the California Public Utility Commission (CPUC) and its water quality is regulated by both the State Water Resources Control Board- Division of Drinking Water (SWRCB-DDW), formerly California Department of Public Health (CDPH), and the CPUC. The CPUC also regulates the design, construction and operation of the utility's facilities. As of 2011, Alco maintains nine wells, six active wells and three standby wells with a combined total capacity of 15,136 million gallons per year and an existing pump capacity of 9,244 million gallons per year (RWMG 2014). Current demand within the Alco service area, based on reporting to the State Water Board, was 1,139 million gallons for the 2016 water year.

California American Water Company

California American Water Company (CalAm) is a CPUC regulated utility serving approximately 50 communities throughout the state with high-quality water and wastewater services. In the California Central Coast area, CalAm serves an estimated 120,000 people through more than 40,000 residential and business water service connections. Within the Greater Monterey County IRWM Plan area, the company provides service to approximately 3,000 water and wastewater connections. Communities served within this area include Toro, Ambler Park, Las Palmas and Spreckels, which are all located between the Monterey Peninsula and Salinas Valley. Also included are the communities of Ralph Lane and Indian Springs in Salinas, Oak Hills in northern Monterey County and Chualar in southern Monterey County. All of these systems are independent of each other. All communities that are served by CalAm within the Greater Monterey County region draw their water supply entirely from the Salinas Valley Groundwater Basin (RWMG 2014). According to CalAm's 2015 Urban Water Management Plan (2015 UWMP) for the Monterey District, 2015 demand was about 1,136 million gallons within the Greater Salinas Area SWRP Planning Area.

California Utility Service

California Utility Service (CUS) provides wastewater services to approximately 1,100 customers within the Toro are along Highway 68 south of Reservation Road, including Toro Park within the SWRP area. The CUS wastewater treatment plant is located at 16625 Reservation Road in Salinas. The utility's RWQCB waste discharge permit (R3-2007-0008), allows CUS to collect, treat, store, and discharge up to 300,000 gallons per day. The plant has been in operation since 1965 (Central Coast RWQCB 2007).

California Water Service Company

California Water Service Company (Cal Water) is a CPUC regulated and serves approximately 130,000 residents (70 percent of the urban users) in the City of Salinas and some of the surrounding areas, including the unincorporated communities of Bolsa Knolls, Las Lomas, Oak Hills, Country Meadows, Salinas Hills, and Buena Vista. Alco Water Company serves the remaining portion of the City of Salinas (RWMG 2014). According to the Cal Water Salinas District 2015 UWMP, 4,777 million gallons of groundwater was supplied within its service area in 2015.

Castroville Community Services District

The Castroville Community Services District (CCSD), formed in 1952 as the Castroville Water District, serves more than 6,800 customers in the unincorporated town of Castroville through 1,567 connections. CCSD currently delivers approximately 1,000 AFY (326 million gallons) of water, all of which comes from the Pressure subarea of the Salinas Valley Groundwater Basin. The CCSD system encompasses approximately 13 miles of pipeline and includes two water storage tanks with a capacity of 1.1 million gallons. The stored water is distributed to customers via an average pumping of 800,000 gallons/day; however, CCSD has a maximum capacity to pump up to 4.5 MGD to meet peak demands if needed (LAFCO 2006b) (RWMG 2014).

Marina Coast Water District

The Marina Coast Water District (MCWD) was formed in 1960 to provide potable water service to the community of Marina (MCWD 2011). MCWD's current service area in Central Marina encompasses 3.2 square miles. The MCWD also provides potable water delivery and wastewater conveyance services to the Ord Community. The Ord Community encompasses a 44 square mile area, of which about 20 square miles is designated for redevelopment, with the balance being parks and open space. The source of water supply for the MCWD is the Salinas Valley Groundwater Basin. MCWD owns and operates three water production wells in the Deep (900-Foot) Aquifer for the Central Marina service area, and three wells in the 400-Foot Aquifer for the Ord Community service area. MCWD is adding a new well in the Deep Aquifer. In August 2005, the Central Marina and Ord Community water systems were connected; integrated operations allow water to flow between the two systems to meet peak demands and improve overall services (RWMG 2014). According to the Marina Coast Water District 2015 UWMP, the District supplied about 4,176 million gallons in 2015.

Monterey Regional Water Pollution Control Agency

The Monterey Regional Water Pollution Control Agency (MRWPCA) owns and operates a regional wastewater treatment plant at the northern end of the City of Marina. Wastewater from the Monterey Peninsula, Salinas, Marina, Moss Landing and the Ord Community is conveyed to the plant for processing. The plant has the capacity to generate approximately 21,600 AFY of recycled water. Of that amount, 13,300 AFY of tertiary treated recycled water is delivered by the MCWRA to farmers in the Castroville region for irrigation during the irrigation season, and plans are currently underway to construct advanced water purification facilities to allow for groundwater injection as well as seasonal storage facilities that would enable the remaining 8,300 AFY of available capacity to be generated during the non-irrigation season. In addition, the City of Soledad has recently constructed a 5.5 MGD water reclamation facility at the City's wastewater treatment plant. The plant will provide tertiary treated water for agricultural and urban and landscape irrigation (RWMG 2014).

Section 3: Water Quality Compliance

The quality of surface waters in the region is greatly influenced by land use practices. Primary causes of pollutants to surface waters include urban runoff, agricultural runoff, erosion and sedimentation, and septic systems. Erosion is a widespread problem in Monterey County, due in part to the erosive nature of local soils as well as from land use practices (including farming on steep slopes, unmaintained or improperly designed dirt roads, altered water channels that increase water velocities and alter the natural sediment balance, and areas that have been denuded of vegetation by fire, overgrazing, or clearing) (City of Salinas 2013).

In the Salinas Valley, surface waters are impacted largely by intensive agricultural use (including grazing) and nonpoint source pollutants from urban uses. Salinas Valley surface waters are especially impaired by nitrates, pesticides, toxicity, and pathogens. Urban runoff from communities along the Salinas Valley impacts the Salinas River, Salinas Reclamation Ditch, and other tributaries ultimately flowing to the Monterey Bay (City of Salinas 2013).

3.1 Activities Associated with Pollution of Stormwater and/or Dry Weather Runoff

The Water Quality Control Plan for the Central Coastal Basin (page 3-1, Central Coast RWB 2016) and the City of Salinas Storm Water Management Plan (Chapter E.3 on pages 17-18, City of Salinas 2013) identified activities that can generate or contribute to the pollution of storm water or dry weather runoff, or impair beneficial use of storm water or dry weather runoff, such as:

- confined animal operations
- agricultural drains
- urban drainage
- agricultural runoff
- road construction activities
- mining
- grassland management
- logging and other harvest activities
- natural sources such as effects of fire, flood, and landslide
- roads, streets, and highways operations and maintenance
- plaza, sidewalk, and parking lot maintenance and cleaning
- fountains, pools, lakes, and lagoons maintenance
- landscape maintenance
- drainage system operation and maintenance
- waste handling and disposal
- water and sewer utility operation and maintenance

The magnitude of impact of these activities depends on the occurrence of activities within the drainage which is related to land uses and percentage of lands within the SWRP Planning Area. Based on the information found in Section 2.2, urban land uses, and their associated activities account for a small portion of land use, while agriculture accounts for a large portion of land use in the Greater Salinas Area SWRP planning area.

The discussion that follows identifies specific impaired water bodies and the permits within the Greater Salinas Area SWRP planning area.

3.2 NPDES and TMDL Compliance

The Central Coast RWQCB is the State agency responsible for identifying impaired water bodies within the Central Coast region. On August 4, 2010, the SWRCB approved the 2010 Integrated Report, which is California's 2008-2010 Section 303(d) list of impaired waters requiring TMDLs and 305(b) report on the quality of the State's waters, and on November 12, 2010 the Integrated Report was approved by the US EPA.

The State Water Board serves in an advisory capacity to the RWMG, and the RWMG works to ensure that projects included in the IRWM Plan comply with State Water Board regulations. The RWMG has made a concerted effort to incorporate the RWQCB's Water Quality Priorities as well as other Regional Board directives and initiatives into the IRWM Plan and planning process. RWMG members and project proponents work closely with the RWQCB on an individual basis to develop various plans and to implement projects. For example, MCWRA has worked closely with the RWQCB in development of the Nitrate Management Plan and other programs, including non-point source, TMDL, and other management programs (RWMG 2014).

3.2.1 TMDLS

The 1972 Federal Clean Water Act (CWA) established strategies for managing water quality, as described in Section B.6.3.a (page B-88 to B-89) of the GMC IRWM Plan. To support these strategies, Section 303(d) of the CWA requires the identification of water bodies that do not meet, or are not expected to meet, water quality standards (i.e., impaired water bodies), and requires development of a Total Maximum Daily Load (TMDL) for each listing. Figure 3.1 shows the impaired water bodies located within the Salinas Area Watersheds and Table 3.1 presents a summary of 303(d) listed impaired water bodies in the Greater Salinas Area SWRP Planning Area, the associated pollutant(s) of concern, the potential sources as reported by the Regional Water Boards, the completion date for the TMDL, and an assessment of whether the pollutant is applicable to storm water. A more detailed list is provided in Appendix C.

Table 3.1 Summary of 303(d) List of Impaired Water Bodies in the Greater Salinas Area

Project Information	Pollutants																											Potential Pollutant Sources	Regional Water Board TMDL Completion Year
303d Listed Waterbody	Ammonia (Unionized)	Chlordane	Chloride	Chlorophyll-a	Chlorpyrifos	Copper	DDD (dichlorodiphenyldichloroethane)	Diazinon	Dieldrin	Electrical Conductivity	Enterococcus	Escherichia coli (E. Coli)	Fecal Coliform	Low Dissolved Oxygen	Nitrate	Nutrients	PCBs (Polychlorinated Biphenyls)	Pesticides	Priority Organics	Sediment Toxicity	Sodium	Temperature, water	Total Coliform	Total Dissolved Solids	Toxaphene	Turbidity	Unknown Toxicity	pH		
Espinosa Slough	X							X							X			X	X	X						X	X	X	Agriculture, Urban Runoff/Storm Sewers, Nonpoint Source	2013
Natividad Creek	X											X		X	X					X		X				X	X	X	Agriculture, Grazing-Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013
Merrit Ditch	X													X	X					X						X	X		Agriculture, Channelization, Removal of Riparian Vegetation, Source Unknown	2013
Old Salinas River				X	X			X				X	X	X	X					X						X	X	X	Agriculture, Dredging, Other Urban Runoff, Removal of Riparian Vegetation, Marinas and Recreational Boating, Natural Sources	2013
Salinas Reclamation Canal	X				X	X		X				X	X	X	X			X	X	X						X	X	X	Agriculture, Grazing-Related Sources, Urban Runoff-Industrial Permitted, Urban Runoff-Non-industrial Permitted, Urban Runoff/Storm Sewers, Natural Sources, Removal of Riparian Vegetation, Agricultural Return Flows, Agriculture - Irrigation Tailwater, Agriculture - Storm Runoff, Irrigated Crop Production, Minor Industrial Point Source, Nonpoint Source, Source Unknown	2013, 2018[1]
Tembladero Slough				X	X			X			X	X	X		X	X		X		X			X			X	X	X	Agriculture, Grazing-Related Sources, Removal of Riparian Vegetation, Urban Runoff/Storm Sewers, Natural Sources, Natural Runoff/Storm Sewers, Pasture Grazing-Riparian and/or Upland, Agricultural Return Flows, Agriculture-Irrigation Tailwater, Agriculture-Storm Runoff, Irrigated Crop Production, Nonpoint Source	2013
Blanco Drain					X			X						X	X			X								X			Agriculture, Groundwater Loadings, Agricultural Return Flows, Agriculture-Irrigation Tailwater, Agriculture-Storm Runoff, Irrigated Crop Production, Nonpoint Source, Removal of Riparian Vegetation	2013
Salinas River (lower, estuary to near Gonzales Rd crossing, watersheds 30910 and 30920)		X	X		X		X	X	X	X	X	X	X		X		X	X			X			X	X	X	X	X	Source Unknown, Agriculture, Grazing-Related Sources, Natural Sources, Other Urban Runoff, Illegal Dumping, Natural Sources, Pasture Grazing-Riparian and/or Upland, Transient Encampments, Construction/Land Development, Point Source	2013, 2018[1]
Alisal Slough (Montereu County)														X	X					X							X		Agriculture	2013
Gabilan Creek	X												X		X					X						X	X	X	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013
Santa Rita Creek (Monterey County)	X											X	X	X	X						X					X			Agriculture, Other Urban Runoff, Natural Sources, Source Unknown, Urban Runoff/Storm Sewers	2013, 2018[1]
Alisal Creek (Monterey County)				X									X		X						X								Agriculture, Natural Sources, Nonpoint Sources, Urban Runoff/Storm Sewers	2013, 2018[1]

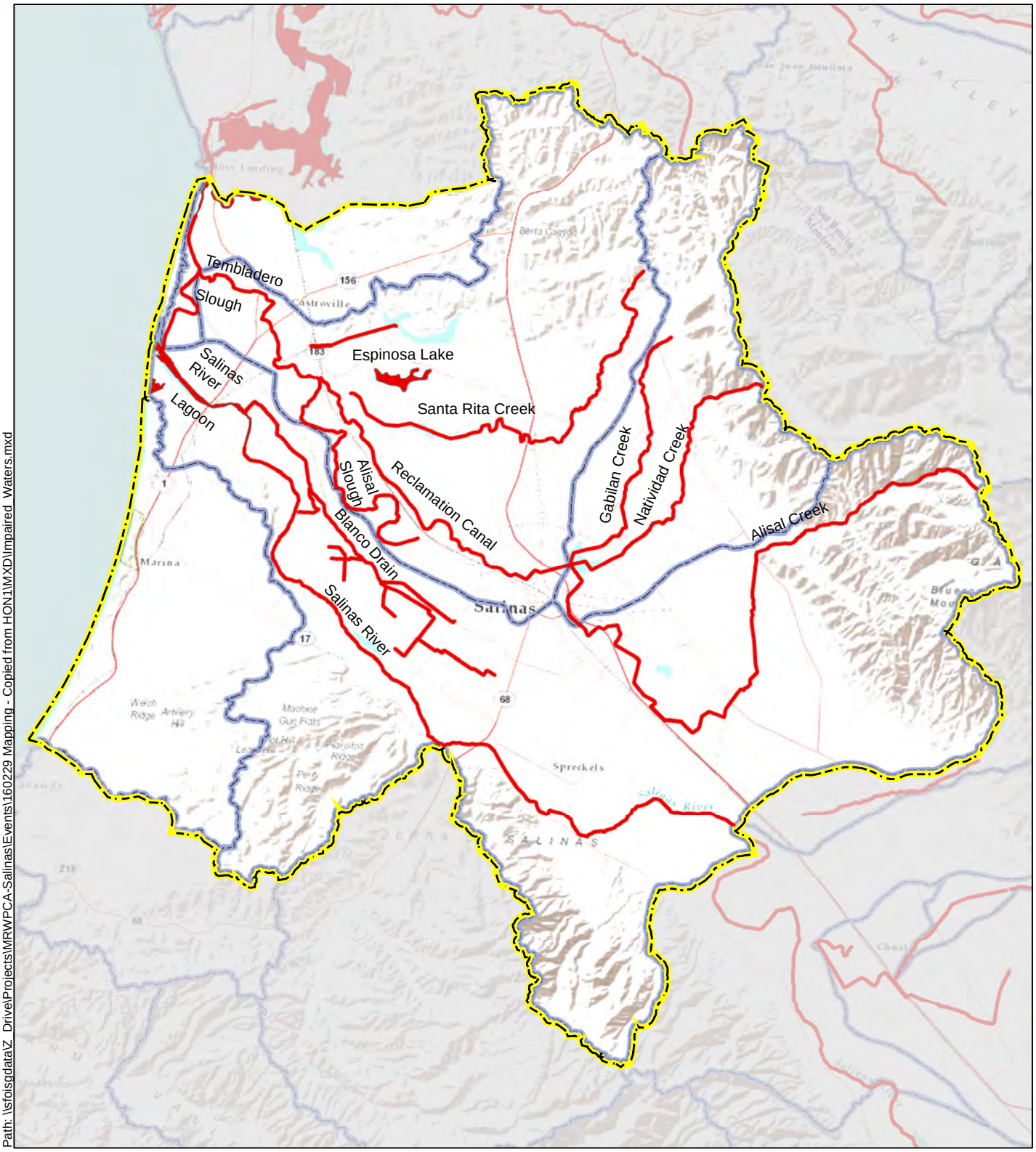
Notes:

[1] The following pollutants will be addressed by 2018: Sodium, Total Dissolved Solids, Chloride, and Copper.

Sources:

(a) http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml, accessed October 26, 2016.

(b) Natural sources and those not included in MS4 or general statewide storm water permits are assumed not to be applicable to storm water discharges.



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Legend

- SWRP Planning Area
- Impaired Waters (2010 303(d) Lines)
- Impaired Waters (2010 303(d) Areas)
- USGS Hydrologic Unit Boundaries

0 0.75 1.5 3 Miles

N

Kennedy/Jenks Consultants

Greater Salinas Area SWRP
Monterey County, CA

Impaired Water Bodies within the Greater Salinas Area

K/J Project Number 1544104*00
February 2017

Figure 3.1

3.2.2 NPDES Permits

The CWA was amended in 1987 to include coverage for urban runoff discharges from MS4s under the NPDES, as described in Section B.6.3.a (page B-93 to B-95; RWMG 2014) of the GMC IRWM Plan and Section A.4 (page 6 to 7) of the City of Salinas *Storm Water Management Plan Update* (SWMPU). Municipalities may require coverage by a Phase I or Phase II MS4 permit, depending on the municipality's population.

Within the Greater Salinas Area SWRP Planning Area, the City of Salinas is enrolled under the Phase I MS4 Permit and is covered by an individual NPDES Phase I permit (Order No. R3-2012-0005). The City's NPDES Phase I permit was recently renewed (May 3, 2012). Storm water runoff is generated from various land uses, including urban and agricultural uses, and discharges into the Salinas Reclamation Ditch and the Salinas River. The City's NPDES permit requires the City to reduce the discharge of pollutants in storm water discharges to the maximum extent practicable (MEP) and protect water quality and beneficial uses. The Order also contains: effectiveness assessment measures, including water quality monitoring, detailed best management practices (BMP) assessment requirements, and water quality action levels, designed to provide information about the effectiveness of efforts to reduce pollutant discharges and protect water quality and beneficial uses.

In addition, the Order contains requirements for identifying dominant watershed processes that are impacted by storm water management and are necessary to protect water quality and beneficial uses, and for developing control measures to protect and restore those processes (RWMG 2014). The City of Salinas developed the SWMPU which describes control measures and BMPs for protecting area water quality from storm water and non-storm water discharges, particularly for the urbanized portion of the watershed (City of Salinas 2013).

In addition, within the Greater Salinas Area SWRP Planning Area, the City of Marina is enrolled under the Phase II General Permit for Stormwater Discharges, as well as Monterey County and the cities of Soledad and King City within the GMC Region (RWMG 2013). The City of Marina joined with Monterey County and several Monterey Peninsula cities to apply as co-permittees under a single Plan, called the Monterey Regional Storm Water Management Program (MRSWMP). The MRSWMP covers the cities and the unincorporated areas of Monterey County that have been designated by the U.S. Census Bureau as being "Urbanized Areas" and that are within the County's legal jurisdictional boundary. The purpose of the MRSWMP is to implement and enforce a series of BMPs designed to reduce the discharge of pollutants from the MS4s to the "maximum extent practicable," to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act (RWMG 2014).

Storm water discharges associated with construction activity, industrial activity, and utilities other than water suppliers may also be covered by statewide general permits under NPDES. Table 3.2 summarizes the applicable, active NPDES permits issued for the Greater Salinas Area; a list of the applicable, active NPDES permits is included as Appendix D.

Table 3.2 NPDES Permits Issued by the Central Coast RWQCB – Greater Salinas Area

Type of Permit	Total (a)
Industrial Storm water	56
Construction Storm water	67
Phase I Municipal MS4	1
Phase II Small MS4	2
WDRs (see Section 3.3.1)	4

a. Based on the State Water Board website, accessed October 26, 2016 (https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility)

3.3 Other Permits

All projects proposed and implemented as part of the Greater Salinas Area SWRP and GMC IRWM Plan will comply with applicable town, city, and county storm water documents and ordinances, including the SWMP (City of Salinas 2013) and the Monterey County Public Works Department, Planning Department, and Redevelopment & Housing Office (RWMG 2014). All projects will also comply with applicable state and federal regulations, including the California Environmental Quality Act (Public Resources Code § 21000 et seq.), the Clean Water Act, the Safe Drinking Water Act, applicable water rights permits and licenses, State Water Board plans and policies, State and Regional Water Board water quality control plans and policies (Wat. Code, § 10562, subd. (b)(5)), NPDES permits, Areas of Special Biological Significance Compliance Plans (State Water Board Resolution 2012-0012), conditional waivers issued by State and/or Regional Water Boards (Wat. Code, § 10562, subds. (b)(5) & (6).), and the Mosquito Abatement and Vector Control District Law (Division 3, Chapter 1 of the Health and Safety Code beginning with Article 2000.) (State Water Board 2015).

3.3.1 WDRs

According to the California Code of Regulations, Title 27 section 20090, there are nine categories of discharges that are regulated by the Waste Discharge Requirements (WDRs) Program: sewage, wastewater, underground injection, Regional Water Board cleanup actions, gas condensate, soil amendments, drilling waste, reuse, and waste treatment in fully enclosed units. Some entities within the Greater Salinas Area have wastewater discharge permits, such as the Monterey Regional Water Pollution Control Agency. However, waste discharge permits do not typically apply to storm water discharges as storm water discharges are regulated under other permits, as discussed in Section 3.2.

3.3.2 Consistency with California Health and Safety Code – Pest and Mosquito Abatement

As mentioned in Section 2.2, all projects implemented from this SWRP and the the GMC IRWM Plan will comply with the Mosquito Abatement and Vector Control District Law (Division 3, Chapter 1 of the Health and Safety Code beginning with Article 2000.) (State Water Board 2015). The City of Salinas SWMP includes a summary of implementation plans for complying with BMPs for development and development planning and storm water retrofits (Salinas SWMPU Table J.2 and K.2). This includes the condition that all private Priority Development Projects must include documentation of Conditions of approval or other legally enforceable agreements or mechanisms that require the granting of site access to all representatives of the City, local mosquito and vector control agency staff, and Central Coast RWQCB staff, for the sole purpose of performing O&M inspections of the installed flow control and treatment BMPs. Furthermore, the Northern Salinas Valley Mosquito Abatement District was contacted during the development of the GMC IRWM Plan.

3.3.3 Modification of a River or Stream Channel

As projects in this SWRP are implemented, some projects may result in the modification of a river or stream channel. These types of projects may require additional permitting for compliance with Clean Water Act Sections 404 and 401 as well as California Department of Fish and Wildlife regulations. In addition, the GMC IRWM Plan includes the Water Quality objective to "incorporate or promote principles of low impact development (LID) where feasible, appropriate, and cost effective." RWMG entities are working with the Central Coast RWQCB on the Central Coast Joint Effort for LID and Hydromodification Control (described in Section B.6.3.b, Voluntary Water Quality Programs).

Implementing LID and hydromodification controls can also reduce the impacts to river and stream channels by reducing peak flows. The RWMG is interested in promoting LID practices in the GMC IRWM region, and will continue to work with the RWQCB on the Central Coast Joint Effort and with local agencies to encourage the implementation of LID practices, where appropriate (RWMG 2014 page N-7 to N-8). The Greater Salinas Area SWRP also supports LID practices in the limited acreage of urbanized areas within the planning area.

3.4 Monitoring

The Greater Salinas Area SWRP, the GMC IRWM Plan, the implementation of projects, along with associated monitoring data, will be tracked using a Data Management System (DMS) that takes advantage of database systems developed by statewide efforts. Because the GMC IRWM Plan does not have an ongoing secure funding source for data management, the RWMG has opted to utilize existing State database frameworks including, for surface water quality, those developed by the California Surface Water Ambient Monitoring Program (SWAMP) and by the California Environmental Data Exchange Network (CEDEN). Wetland and riparian habitat conditions will be measured and documented using the California Rapid Assessment Methods (CRAM), and groundwater data will reside in GeoTracker using the Groundwater Ambient Monitoring and Assessment (GAMA) database. The IRWM Plan Coordinator will work closely with the Data Management Coordinator (or in absence of a Data Management Coordinator then a subcommittee of the RWMG) to track project implementation (RWMG 2014, page J-1).

Inclusion of SWRP projects into the GMC IRWM Plan will allow tracking of SWRP activities within the GMC IRWM Plan tracking.

All projects must adhere to certain State guidelines for monitoring in order to be implemented through the IRWM Plan (RWMG 2014, page J-4). These include:

- Projects that involve surface water quality must meet the criteria for and be compatible with SWAMP, http://www.waterboards.ca.gov/water_issues/programs/swamp/tools.shtml).

- All projects that involve groundwater quality must meet the criteria for and be compatible with GAMA, http://www.waterboards.ca.gov/gama/).

- All projects that involve wetland restoration must meet the criteria for and be compatible with the State Wetland and Riparian Area Monitoring Plan (WRAMP, http://www.waterboards.ca.gov/mywaterquality/monitoring_council/wetland_workgroup/docs/2010/tenetsprogram.pdf)

Section 4: Organization, Coordination, Collaboration

4.1 Local Agencies and Non-Governmental Organizations

This plan was prepared in coordination with members of the GMC RWMG and more specifically in close coordination between those entities in the Salinas area. This Greater Salinas Area SWRP serves as the foundation for development of the final SWRP for the GMC IRWM Area which will be integrated into the IRWM Plan upon its completion; therefore involvement from RWMG members was critical.

The GMC RWMG has a history of collaboration and is the group responsible for development of the IRWM Plan (RWMG 2014). The GMC RWMG consists of 18 organizations as described in the IRWM Plan (RWMG 2014). The member entities include government agencies, nonprofit organizations, educational organizations, water service districts, private water companies, and organizations representing agricultural, environmental, and community interests. SWRP implementation is occurring under the auspices of the GMC RWMG. Of the 19 member organizations, seven have statutory authority over water supply and/or water management within the GMC region. These members are charged with implementing the GMC IRWM Plan. Table 4.1 lists the member organizations/stakeholders and their type.

Table 4.1 GMC RWMG Members

Stakeholder	Type/Classification
Big Sur Land Trust	Non-profit organization
California State University Monterey Bay	Educational organization
California Water Service Company	Private water company
Castroville Community Services District	Water service district
City of Salinas	Government agency
City of Soledad	Government agency
Elkhorn Slough National Estuarine Research Reserve	Environmental interest organization
Environmental Justice Coalition for Water	Non-profit organization
Garrapata Creek Watershed Council	Environmental/community interest organization
Marina Coast Water District	Water service district
Monterey Bay National Marine Sanctuary	Environmental interest organization
Monterey County Agricultural Commissioner's Office	Agricultural interest organization
Monterey County Water Resources Agency	Water service district
Monterey Regional Water Pollution Control Agency	Government agency

Stakeholder	Type/Classification
Moss Landing Marine Laboratories	Educational organization
Resource Conservation District of Monterey County	Agricultural/Community interest organization
Rural Community Assistance Corporation	Community interest organization
San Jerardo Cooperative, Inc.	Community interest organization

In addition, MS4 operators such as Salinas and Monterey County are participants in both the GMC IRWM as well as the SWRP. MS4s are regulated by the Central Coast RWQCB. Other Agency stakeholders include entities that have influence, policy control, and regulatory authority and include: cities throughout the region, County of Monterey Environmental Health Department, Association of Monterey Bay Area Governments, Federal Natural Resources Conservation Service, National Oceanic Atmospheric Administration, agriculture (and the Agricultural Waiver Program administered by the RWQCB), and the Watershed Institute of California State University, Monterey Bay (City of Salinas 2013). Water demand and existing supplies associated with development projects are coordinated between the city government agencies within the Planning Area and local and regional water agencies. Monterey County Resource Management Agency (MCRMA) consults with MCWRA on water supply and flood/drainage matters in all parts of Monterey County and with the Monterey County Environmental Health Bureau regarding water quality issues.

An example of collaboration and coordination is in the north Monterey County in the Salinas Watersheds where significant water quality and water supply issues occurs. Several of the agencies serving coastal communities located within the Planning Area, are unique within the GMC IRWM in that they:

> (1) they are located within some of the more populous areas within the county, (2) are located at the discharge end of the Salinas River, and (3) are impacted to a greater extent by sea level rise and salt water intrusion into the groundwater.

Due to these unique challenges these local agencies have collaborated within the GMC IRWM framework to address local and region-wide issues unique to northern Monterey County. Agencies such as City of Salinas and MRWPCA, who are active members of the RWMG and have also joined together in the preparation of this Salinas Watershed Area SWRP which will lay a strong foundation for the SWRP for the full GMC IRWM area. By working together these agencies can maximize the usage of storm water and dry weather runoff as a resource. No new or altered governance structures are necessary to support collaboration between these two local agencies.

The development and implementation of this SWRP relies on the continued collaboration between MRWPCA and the City of Salinas, two entities that have had a proven, successful working relationship for many years. This ongoing partnership will culminate in the submittal of this plan to the two regional IRWM groups; the GMC IRWM as well as the Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM regions shown on Figure 1.1. Several of the projects the City of Salinas and MRWPCA have collaborated on and submitted under this plan

(Section 5) continue to promote the activities of the Monterey Regional Storm Water Management Program by supporting many of the program elements required by the NPDES MS4 Phase I and Phase 2 Permits that have regulatory coverage over this area. By collaborating within the Greater Salinas Area Planning Area and creating a SWRP specific to this area, the City of Salinas, MRWPCA, and other local agencies including Monterey County Public Works can maximize resources, funding, and prioritize projects that will provide multiple benefits across the northern Monterey County region. A comprehensive list and evaluation of projects is included in Section 5.

As described earlier, this plan was created in close relationship to other plans and programs established by local agencies. Most notably and as discussed previously this plan was developed under the GMC IRWM program and plan. As a Phase 1 MS4, the City of Salinas is both a large and significant portion of the Greater Salinas Area SWRP Planning Area as well as an important collaborator in the development of this plan. As such this plan was created in close relationship with the City of Salinas SWMP Update. To comply with and meet its Municipal Permit requirements, as a part of the Storm Water Management, the City of Salinas collaborated with various City departments (e.g., police and fire departments) and outside agencies including but not limited to Salinas Valley Solid Waste Authority (SVSWA), Household Hazardous Waste Facility, Monterey County Environmental Health Department, and Republic Services and committees such as 3R and CCRMC.

Salinas' SWMP indicates that the City's storm water ordinances as well as Municipal Code, General Plan, Grading Standards, and Storm Water Development Standards regulates the City's storm water infrastructure and management approach to development. For example, the City has implemented numerous BMPs that include trash control and trash disposal requirements that are embedded in various provisions of the City ordinances, reduction of trash discharges to the MS4, and removal of trash that has entered into the MS4

As described in Section 3.2, Monterey County and several Monterey Peninsula cities regulated under the Phase 2 MS4 to apply as co-permittees under a single MRSWMP which was initiated in 2006. Within the Greater Salinas Area SWRP planning area, there are certain locations of unincorporated Monterey County that are regulated under the Phase 2 MS4 and a representative from Monterey County Public Works has regularly attended the SWRP meetings.

Non-government organizations (NGOs) were also involved during the development of the plan content and submitted many of the projects under this plan. Collaboration with NGOs is important in that NGOs can provide essential leadership and expertise in planning, project design, implementation, and community engagement as well as finding alternative sources of funding. As an example, the Big Sur Land Trust is providing the project planning experience and funding to purchase properties within the Carr Lake area within central Salinas. The Big Sur Land Trust, a non-profit organization, is collaborating with Salinas to purchase this farmland with the plan of converting to an open space and recreational area with added flood control, water quality improvements, and wetland habitat restoration. More details about this project other projects with NGO collaboration are included in Section 5.

Another example of coordination with NGOs is in regards to Salinas' partnership with the Salinas Valley Solid Waste Authority and the non-profit organization Ecology Action which are cooperating in conducting Our Water, Our World (OWOW). OWOW targets two of the most commonly used residential pesticides which can often be found in local runoff and wastewater

treatment plant discharges (City of Salinas 2013). Other NGOs that were involved in the planning process included San Jerardo Cooperative, Inc., Central Coast Wetlands Group, Elkhorn Slough Estuarine Research Reserve, Environmental Justice Coalition for Water, and Monterey Bay National Marine Sanctuary whose representatives attend and participated in the meetings for this Greater Salinas Area SWRP.

As described earlier, this Greater Salinas Area SWRP includes the participation of Salinas and Monterey County who participate and implement their own authorities and mandates to address storm water and dry weather runoff management activities as part of their MS4 permit requirements. Salinas has been collaborating with the Big Sur Land Trust, a non-profit organization noted earlier, on the multi-benefit Carr Lake land purchase and restoration project. In addition, as described further in Section 5, Salinas has been collaborating extensively with MRWPCA, another public agency, to divert and beneficially reuse storm water and dry weather runoff under the Pure Water Monterey program. This activity to divert storm water and dry weather runoff achieve the management objectives of the Plan described in Section 1. The ultimate treatment and groundwater recharge of the diverted storm water and dry weather runoff, which is comingled with wastewater, benefits both public water purveyors as well as privately owned water utilities such as California Water Service Company in Salinas which is a member of the GMC IRWM RWMG. This not only creates additional water supply but also addresses the significant seawater intrusion that occurs in North Monterey County.

4.2 Community Participation

Just as local agencies and NGOs were involved in development of the IRWM Plan, the RWMG encouraged local community stakeholder participation during the development of this SWRP. During IRWM Plan development, community involvement was accomplished through the establishment of a website and public workshops. Community stakeholders were notified and informed of IRWM Plan developments through brochures, newspapers, website postings, emails, and personal communication. Similarly, during the development of this SWRP several RWMG meetings were held in which the SWRP was the focus of the meeting. Five RWMG meetings were held on July 20, August 17, September 21, October 19, November 16 and December 14, 2016 in which the SWRP was discussed. Community stakeholders were notified via the IRWM website (http://www.greatermontereyirwmp.org/) and via email. During these meetings stakeholder were given the opportunity to discuss and review the content of the SWRP and to review and comment on the draft versions. See Appendix E for submitted comments and their responses.

Community participation was important during SWRP development in that it fosters outreach, participation, and involvement of disadvantaged communities (DACs), local tribes, the general public, and specific audiences such as local ratepayers, developers, locally regulated commercial and industrial stakeholders, and nonprofit organizations. As an example, one consistent member of the RWMG meetings during SWRP preparation is the San Jerardo Cooperative, Inc. which is cooperative housing complex for low-income farm working families and represents a DAC. Input from stakeholders such as these was critical in development of this plan and during identification of projects.

Section 5: Identification and Prioritization of Projects

5.1 Introduction of Projects

Projects presented in this section were selected as part of this Greater Salinas Area SWRP for prioritization and evaluation against storm water related criteria. Projects selected for this SWRP were originally part of the 2011, 2014, and 2016 project submissions for the GMC IRWM Plan. An initial pre-screening of projects for inclusion and evaluation under this plan were based on the following criteria: (1) if the project had a storm water or flood management focus with clear water supply, water, quality, flood management, environmental, or community benefits; and (2) if the projects were located within the Greater Salinas Area planning area. Therefore, although some projects may be developed in isolation geographically, the projects share in the management of the same watershed. A total of 18 projects were initially identified and were screen down to the 13 projects described in Sections 5.1.1 – 5.1.13 below and as shown on Figure 5.1. Brief project introductions and summaries are included in the following subsections as well as updates to the projects as of the one-on-one interviews with project proponents.

5.1.1 Coastal Wetland Erosion Control and Dune Restoration

Project Applicant:
Central Coast Wetlands Group (CCWG)

Main Benefit Categories Met:
Water Quality; Water Supply; Flood Management; Environmental; Community

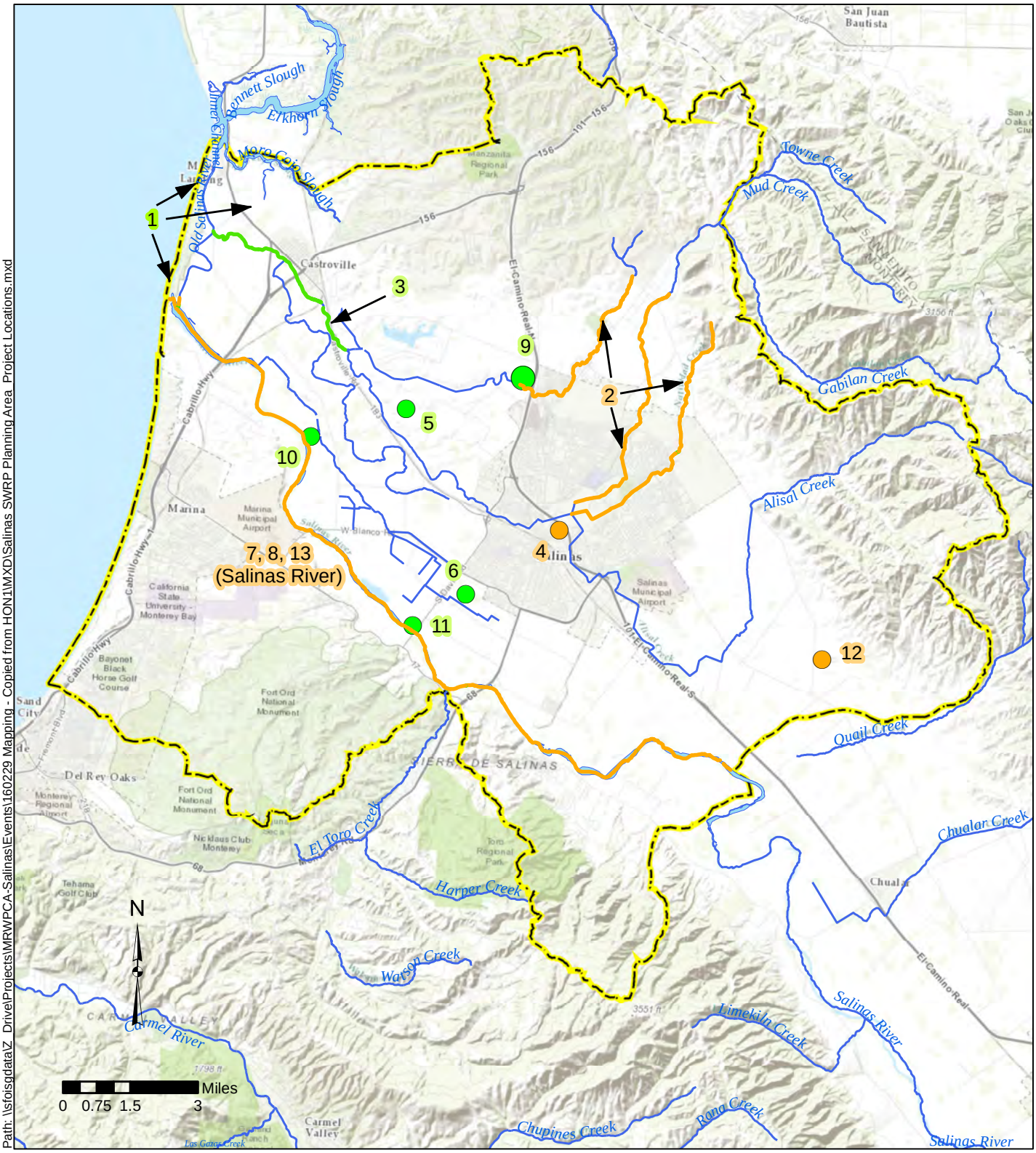
Requested Amount:
$1,070,164

Match Funds:
$356,721

Benefit Metrics Value(s):
- 126 acres restored

Project Updates (2016):
- Signed Memorandum of Understanding with State Parks to maintain dunes in the future.
- CCWG has completed an area of the project upstream of the Old Salinas River area since submission of project proposal form.

Project Summary:
This project will enhance and restore wetland and sand dune ecosystems in central Monterey Bay and control erosion in salt marshes directly behind the dunes around Moss Landing. Marshes are critical buffers to prevent salt water from entering surrounding farmland in the Salinas Valley, but they are eroding away at accelerating rates. Sand dunes retain fresh water at the coast, recharge groundwater, retard saltwater intrusion, and minimize storm damage from the sea. During storm events, the sand dunes and wetlands prevent flooding downstream in urban and agricultural areas, preventing runoff (and garbage and pollutants) from choking conveyance systems. Much of the dune structure around Monterey Bay is degraded with invasive non-native plants. The target area for this project, central Monterey Bay, has some of the most impacted sand dunes in the region and may be the first to fail as sea level rises, leading to salt water overflows into the Salinas Valley, compromising one of the nation's most productive agricultural areas.



Path: \\sfoisgdata\Z_Drive\Projects\MRWPCA-Salinas\Events\160229 Mapping - Copied from HON1\MXD\Salinas SWRP Planning Area Project Locations.mxd

Total Acres: 151,791

Legend

- Planning Project Locations
- Planning Project Locations
- Implementation Project Locations
- Implementation Project Locations
- Rivers, Streams, Creeks
- Rivers, Streams, Creeks
- SWRP Planning Area

Kennedy/Jenks Consultants

Greater Salinas Area SWRP
Monterey County, CA

Greater Salinas Area SWRP Project Locations

K/J Project Number 1544104*00
February 2017

Figure 5.1

5.1.2 Northern Gabilan Mountain Watershed Management Project

Project Applicant:
Central Coast Wetlands Group (CCWG)

Main Benefit Categories Met:
Water Quality; Water Supply; Flood Management; Environmental; Community

Requested Amount:
$841,961

Match Funds:
$280,654

Benefit Metrics Value(s):
- Miles of river restored to be quantified once final sites are selected.

Project Updates (2016):
- Project is still in planning phase and final sites need to be selected

Project Summary:
This project consists of three phases to restore a sub-watershed within the upper Gabilan watershed, and serve as a model for restoration of watersheds within the Central Coast. Phase I provides the foundational watershed characterization and process analysis necessary to develop meaningful and effective watershed management. It includes a review of previous relevant studies and preparation of original analysis along with a compilation of spatial data and key watershed processes. Analysis will be integrated with research and planning projects done by others. The synthesis of this information will be used to target planning and restoration for one sub-watershed. This will be accomplished by addressing the impacts to watershed functions and processes (physical, chemical and biological) caused by agriculture and urban activity such as decreased infiltration to groundwater, emergence of invasive species, and degeneration of natural flows. Additionally, a community-based engagement process will be conducted to review Phase I information and watershed management options. Phase I will result in a management methodology and a master restoration plan for one of three sub-watersheds. Phase II will develop site design for prioritized restoration locations within the chosen sub-watershed and Phase III will implement those designs.

5.1.3 Water Quality Enhancement of the Tembladero Slough Phase II

Project Applicant:
Central Coast Wetlands Group (CCWG)

Main Benefit Categories Met:
Water Quality; Flood Management; Environmental; Community

Requested Amount:
$727,650

Match Funds:
$242,550

Benefit Metrics Value(s):
- 60 acres restored

Project Updates (2016):
- Project sites are still changing
- 2 of the 5 project sites are currently funded for construction. Others are still in planning phase.

Project Summary:
This project is Phase II of *Water Quality Enhancement of the Tembladero Slough and Coastal Access for the Community of Castroville*, Phase I of which has been funded by the IRWM Plan Round 1. During Phase I, CCWG will work with County agencies, agricultural landowners and the community of Castroville for design and permitting of a select set of water quality/wetland management structures. These projects will utilize a variety of water quality management innovations including the treatment train approach (i.e. detention/sedimentation features, pollutant filtration/ biological degradation of pollutants and water polishing areas). During Phase II of this project, twenty acres in total (approximately six projects) will be constructed based on the plans from Phase I that support and integrate the multiple objectives of the GMC IRWM Plan, emphasizing urban and agricultural water quality enhancement, flood management, habitat restoration and support of various watershed planning and permit processes. Features are selected based on available space, hydrologic requirements, and adjacent landowner concerns, but preferentially support projects that enhance habitat and open space features as well as improving water quality.

5.1.4 Carr Lake Riparian Habitat Restoration Plan

Project Applicant:
City of Salinas and Big Sur Land Trust (BSLT)

Main Benefit Categories Met:
Water Quality; Water Supply; Flood Management; Environmental; Community

Requested Amount:
$250,000

Match Funds:
$250,000

Benefit Metrics Value(s):
- 73 - 480 acres restored

Project Updates (2016):
- BSLT updated the date of purchase for the first property (1/27/2017)
- Purchasing one of three family-owned properties. In talks to purchase remaining at a later time
- Timeline for achieving project is approximately 5 years
- Purchased site will remain in active cultivation during initial planning process

Project Summary:
The Carr Lake Project is an effort to turn the agricultural area into a multi-use facility that will provide much needed open space and recreational facilities, as well as providing benefits such as improved peak flood control and water quality, and restoring wetland habitat areas. The City of Salinas is working with the Big Sur Land Trust (BSLT) to acquire properties in the Carr Lake Area. BSLT will be acquiring 73 acres (the Ikeda property) of the 480 acres that comprise Carr Lake by January 27, 2017. This project would begin the planning process working collaboratively to plan for/design the restoration of wetlands and stream beds that will greatly improve the water treatment capacity of this site. This project would also design public access for the residents of Salinas who are vastly underserved by open space and park lands. It is expected that this initial planning process will also look towards future acquisition of the remaining farmlands to consider how they may also be used to transform drainage ditches to convey and treat storm water.

5.1.5 Integrated Industrial Wastewater Conveyance and Treatment Facility Improvements

Project Applicant:
City of Salinas

Main Benefit Categories Met:
Water Quality; Water Supply; Flood Management; Environmental; Community

Requested Amount:
$10,720,000

Match Funds:
$7,190,000

Benefit Metrics Value(s):

- Pollutants removed/reduced:
  - 90 lb/yr Ammonia as N (Unionized)
  - 1,904 lb/yr Ammonia as NH3
  - 332,127 lb/yr Chloride
  - 50 Chlorirphyll a (water column)
  - 5 lb/yr Chloropyrifos
  - 311 lb/yr Diazinon
  - 2,003,288 lb/yr Dissolved Solids (Total)
  - 40, 563 lb/yr Nitrate as N
  - 2,017 lb/yr OrthoPhosphate as P
  - 216,783 lb/yr TSS Pollutant Load Reduced
- At least 2,500 acre-feet per year (AFY) of storm water treated/captured

Project Updates (2016):

- Project received Storm Water Grant Program Proposition 1 Round 1 Implementation Funding which is matched with local funds
- Project to be powered by solar installed as of November 2016

Project Summary:
This project will improve the City of Salinas' Industrial Wastewater System (IWS) and includes: new gravity sewers with increased capacity to collect the City's storm water runoff and industrial wastewater and convey it to the City's Industrial Waste Treatment Facility (IWTF); electrical and treatment equipment expansions and upgrades to the IWTF to treat the increased flows; and a system to filter IWTF effluent through soil on site. New monitoring points around the soil bed filtration system will monitor system efficiency and assess its performance, such as producing water quality water and suspended solids. The City has identified multiple potential beneficial uses for the infiltrated water including the following: 1) groundwater recharge; 2) combat saltwater intrusion; 3) high quality diluent in the MRWPCA groundwater recharge project; 4) low-salt feed water for potential upgrade to potable water for the City of Salinas; 5) non-agricultural irrigation water (golf course, playing fields, etc.) or agricultural irrigation (after desalting); and 6) discharge to the Salinas River for reuse by others downstream. The potential quantity of water exceeds about 2,500 AFY and could increase to several times that amount as the IWS grows. The water quality of the collected influent would be substantially improved since the effluent had filtered through the soil column, removing algae and other suspended solids and some trace constituents. For the IWS, such withdrawal would enhance both disposal pond and the percolation bed percolation rate, effectively increase effluent disposal capacity, and hence, treatment capacity.

5.1.6 City of Salinas and MRWPCA Storm Water Diversion Implementation and Water Supply

Project Applicant:
City of Salinas and Monterey Regional Water Pollution Control Agency (MRWPCA)

Main Benefit Categories Met:
Water Quality; Water Supply; Flood Management, Environmental; Community

Requested Amount:
$730,000

Match Funds:
$366,000

Benefit Metrics Value(s):

- Pollutants removed/reduced:
  - 90 lb/yr Ammonia as N (Unionized)
  - 1,904 lb/yr Ammonia as NH3
  - 332,127 lb/yr Chloride
  - 50 Chlorirphyll a (water column)
  - 5 lb/yr Chloropyrifos
  - 311 lb/yr Diazinon
  - 2,003,288 lb/yr Dissolved Solids (Total)
  - 40, 563 lb/yr Nitrate as N
  - 2,017 lb/yr OrthoPhosphate as P
  - 216,783 lb/yr TSS Pollutant Load Reduced
- 1,400 AFY of storm water treated/captured

Project Updates (2016):

- Project received Storm Water Grant Program Proposition 1 Round 1 Implementation Funding which will be matched with local funds

Project Summary:
This project focuses on storm water management and water reclamation/water supply. The project will divert dry weather urban surface water discharge from south Salinas into the City's Blanco Detention Basin. Water from the detention basin will then be sent to the MRWPCA regional wastewater treatment plant. Once reclaimed, diverted water could be used for dry-season water supply (e.g., as agricultural irrigation water). In parallel, wet weather and dry weather surface water runoff from the City's northern neighborhoods will be similarly diverted for reuse. Surface water runoff that currently flows into the Reclamation Ditch will be diverted and reclaimed. After treatment, MRWPCA will direct the recycled water to where it will mitigate seawater intrusion and provide additional water for agriculture in the northern Salinas River valley as part of the Castroville Seawater Intrusion Project (CSIP). This project will reduce pollution to downstream receiving waters, and potentially add to recycled water supplies.

5.1.7 Salinas River Flood Risk Reduction and Habitat Improvement Project

Project Applicant:
Monterey County Water Resources Agency (MCWRA)

Main Benefit Categories Met:
Water Supply; Flood Management; Environmental; Community

Requested Amount:
$787,500

Match Funds:
$262,500

Benefit Metrics Value(s):
- 100 acres restored; 100,000 cubic yards of sediment removed

Project Updates (2016):
- Project received set of 5 year permits
- A pilot project was conducted upstream of Planning Area near King City
- Project team is gauging interest in downstream portion of Salinas River (within Planning Area) as the land is privately owned and will required public and private partnership

Project Summary:
The project provides long-term guidance and outlines maintenance procedures that will be used along the Salinas River mainstem and portions of San Lorenzo Creek, Bryant Canyon Channel, and Gonzales Slough to conduct stream maintenance activities (i.e., non-native and native vegetation treatment, sediment management) on a voluntary basis to maximize flood flow capacity and minimize bank erosion, while minimizing environmental effects, helping to protect against flooding during and after major storm events. Furthermore, the removal of invasive species (such as Arundo) not only improves conveyance capacity of the channel, but also frees up additional water supply for groundwater infiltration. As conditions change or are updated, or as environmental regulations evolve, the project would also evolve to keep pace. MCWRA proposes to administer the project for up to 10 years. The central tenet of the project is that maintenance activities are conducted using an informed and systematic approach to minimize stream impacts while providing improved flow conveyance.

5.1.8 Salinas River Flood Risk Reduction Project

Project Applicant:
Monterey County Water Resources Agency (MCWRA)

Main Benefit Categories Met:
Water Supply; Flood Management; Environmental; Community

Requested Amount:
$420,000

Match Funds:
$140,000

Benefit Metrics Value(s):
- None identified

Project Updates (2016):
- No project updates

Project Summary:
The project will fund the preparation of a combined National Environmental Policy Act/California Environmental Quality Act (NEPA/CEQA) document for the Salinas River Flood Risk Reduction Project, which allows channel maintenance activities on the mainstem of the Salinas River. MCWRA has partially funded this effort but additional funding is requested to complete the work, allowing the Salinas River Flood Risk Reduction Project to be implemented. Flooding of agricultural lands within the Salinas Valley, adjacent to the river, has occurred during conditions when in-channel sandbars and riparian vegetation including invasive plants impede high flows. Additionally, limited flood flow capacity in high rainfall years has caused damage or destruction to public infrastructure and private property. Furthermore, the removal of invasive species (such as Arundo) frees up additional water supply for groundwater infiltration. As such, MCWRA developed and administers the Salinas River Flood Risk Reduction Project to enhance flood protection, improve riparian habitat and reduce flood damage.

5.1.9 Water Supply Reliability Project

Project Applicant:
Monterey County Water Resources Agency (MCWRA)

Main Benefits Categories Met:
Water Supply; Flood Management; Environmental; Community

Requested Amount:
$2,605,800

Match Funds:
$868,600

Benefit Metrics Value(s):
- None identified

Project Updates (2016):
- Jarvis Lateral portion of project is partially designed.

Project Summary:
The Water Reliability Project is designed to address the deferred maintenance and improvement of MCWRA facilities used in its operations. The age of many of the facilities critical to the operation of the MCWRA are 20 to 60 years old. While operational, most of these older facilities have had maintenance or improvements, due to new requirements, deferred. This project consists of several discrete maintenance tasks and improvements at several facilities including the Nacimiento Dam and Hydroelectric Facility, San Antonio Dam, Reclamation Ditch, Castroville Seawater Intrusion Project, and Salinas River Diversion Facility. Performing these maintenance tasks and improvements are critical to MCWRA's operations that provide conservation, flood control, recreation, fight seawater intrusion, and increase water source diversity.

5.1.10 Blanco Drain Diversion to MRWPCA Regional Treatment Plant

Project Applicant:
Monterey Regional Water Pollution Control Agency (MRWPCA)

Main Benefits Met:
Water Quality; Water Supply, Flood Management; Environmental; Community

Requested Amount:
$2,000,000

Match Funds:
$4,362,065

Benefit Metrics Value(s):
- 8,000 AFY of storm water diverted, treated and reused

Project Updates (2016):
- Project received Storm Water Grant Program Proposition 1 Round 1 Implementation Funding which will be matched with local funds

Project Summary:
The Monterey Regional Water Pollution Control Agency and Monterey County Water Resources Agency are working collaboratively to help divert, convey and treat agricultural return water from the Blanco Drain for maximum beneficial use. The flows from the Blanco Drain would be received at the minimum primary and secondary wastewater treatment. Depending on the time of year, the flows would undergo additional treatment at either the advanced water treatment facilities for the Pure Water Monterey project or the water would be sent to the tertiary treatment plant and then moved to the growers in the CSIP area as recycled water. This project will require a new pump station and conveyance appurtenances to deliver the water to MRWPCA's Regional Treatment Plant. Flows in the Blanco Drain peak in the summer months yet have continuous flow during the winter months. Diverting flows from the Blanco Drain during the summer will help bolster flows in the Regional Treatment Plant which will lead to an increase the amount of water to be recycled and reused by the urban and agriculture sectors.

5.1.11 Storm Water Return Facilities from the Salinas Industrial Wastewater Facility to the MRWPCA Salinas Pump Station

Project Applicant:
Monterey Regional Water Pollution Control Agency (MRWPCA)

Main Benefit Categories Met:
Water Quality; Water Supply; Flood Management; Environmental; Community

Requested Amount:
$5,000,000

Match Funds:
$2,500,000

Benefit Metrics Value(s):
- 8,000 AFY of storm water diverted

Project Updates (2016):
- Project received Storm Water Grant Program Proposition 1 Round 1 Implementation Funding which will be matched with local funds
- Project to be powered by solar installed as of November 2016

Project Summary:
The City of Salinas and MRWPCA are working collaboratively to utilize existing infrastructure to help divert, store, convey and treat storm water and industrial waste water for maximum beneficial use. This project will repurpose existing infrastructure to bring back water from the Salinas Industrial Waste Facility Ponds to the Salinas Pump station. The new source waters would include the following: 1) water from the City of Salinas agricultural wash water system; 2) storm water flows from the southwestern part of the City of Salinas; 3) surface water and agricultural tile drain water that is captured in the Reclamation Ditch; and 4) surface water and agricultural tile drain water that flows in the Blanco Drain. The storm water would be stored in the ponds and conveyed to MRWPCA's Regional Wastewater Treatment Plant (RTP) and treated to recycle it for injection into the Seaside Groundwater Basin (and later extracted for replacement of existing municipal water supplies) and to provide an additional 8,000 AFY of recycled water for agricultural irrigation in northern Salinas Valley through the CSIP system.

5.1.12 Disadvantaged Community Water Quality and Conservation Program

Project Applicant:
San Jerardo Cooperative, Inc.

Main Benefits Categories Met:
Water Quality; Water Supply; Flood Management; Environmental; Community

Requested Amount:
$2,500,000

Match Funds:
None (DAC exemption)

Benefit Metrics Value(s):
- 25 AFY of wastewater treated/reused
- About 350 DAC residents served

Project Updates (2016):
- County recently made some improvements to the drainage onto the property which has temporary reduced flooding
- In the planning phase to do a water recycling study however the engineering and consulting company recently backed out
- Currently working with MCWRA and nearby farmers to formulate water management best practices to help with onsite flooding

Project Summary:
The Program will address severe water supply and water quality needs for three Disadvantaged Communities. The Alpine Court and San Vicente Road communities in rural south Monterey County have drinking water wells with samples testing in excess of public health standards for nitrates. Septic systems on sites are aging and one has been deemed in need of complete replacement. The contaminated wells and failing septic systems will be replaced with new, deeper well installations and upgraded wastewater systems. The Wastewater Treatment Plant at the San Jerardo Cooperative will be upgraded to meet State guidelines and County code requirements to allow recycled treated water to be used for on-site irrigation. In addition, storm water improvements will be installed at the entrance to the Cooperative to divert storm related flows and prevent seasonal flooding of public roadways. Finally, a water conservation program consisting of installation of “water saver” plumbing fixtures, grey water connections, rainwater collection features and low water use landscaping will be included for all three projects participating in the Disadvantaged Community Program. The program will include workshops with training provided by Ecology Action.

5.1.13 Salinas Multi- Benefit Floodplain Management

Project Applicant:
The Nature Conservancy

Main Benefits Met:
Water Supply; Flood Management; Environmental; Community

Requested Amount:
$866,053

Match Funds:
$288,684

Benefit Metrics Value(s):

- 92 miles of Salinas River restored

Project Updates (2016):

- No project updates
- Project proponent was not able to be reached for one-on-one project interview process

Project Summary:
The Multi-Benefit Salinas River Management Project is a collaborative partnership with growers, water resource managers, county, state and federal agencies, conservation groups and other stakeholders to develop an adaptive approach to flood risk reduction, groundwater recharge, community health and safety, and riparian and coastal biodiversity. Partners will organize into 'management neighborhoods' to model flood risk, nutrient fate and transport, and water balance to design integrated management strategies to build consensus on existing conditions, costs of different management strategies, and how to optimize benefits. Strategies will include off-channel flood attenuation and storage areas (e.g., ponds, bypasses, compound channels), coordinated passive and active management of native vegetation for enhanced habitat, flood conveyance, and water quality treatment; and removal of Arundo. Market mechanisms and tools, such as risk pools, cost shares, and benefits transfers, will be developed in coordination with regulatory agencies, industry and other partners to maximize positive outcomes across socioeconomic and ecological benefits.

5.1.14 Projects Removed from Consideration

As noted earlier, there were five projects that were removed from consideration in the evaluation and prioritization process. These projects were initially considered because they met the two pre-screening criteria outlined in Section 5.1 (i.e., perceived to be storm water related and were located within the Planning Area). The projects had initially passed the pre-screening criteria based upon the information provided in the project proposal forms, however, upon deeper review and evaluation of each of the five projects, it was evident they would not provide well defined storm water or dry weather runoff benefits within the Planning Area. Several of the projects were removed because they were either geographically outside of the Planning Area, were still in a planning stage from a timing perspective and/or were for monitoring which would assist in assessing benefits, but do not derive specific benefits. Many of the projects will be considered in the larger GMC SWRP slated for development in 2017 but did not fit into this focused Greater Salinas Area SWRP. Most of the projects were removed from consideration during the one-on-one interviews with the project proponents (see Section 5.3 for more information about the interview and collaboration process with the project proponents). The five projects that were removed are:

- The MCWRA Salinas Valley' Water Project, Phase II
- The following three projects from the Central Coast Wetlands Group:
  - Development and Evaluation of Climate Change Response Strategies in the Elkhorn Slough, Gabilan and Salinas River Watersheds
  - Study of Environmental Services from Nutrient Reducing BMPs
  - Expansion of the Coast Confluence Water Monitoring System to Support The Greater Monterey IRWM Plan
- The Monterey Bay Sanctuary Foundation's Making Monitoring Count project

5.2 SWRP Objectives

Project's proposal forms submitted to the GMC IRWM contained a section in which project proponents were provided the opportunity to identify which GMC IRWM Plan Objectives were relevant to their specific project. As the GMC IRWM Plan is based on a watershed, by extension the GMC IRWM Plan Objectives are also based on watersheds and therefore meet the SWRP Guidelines (SWRCB 2015) recommendation to use watershed goals and objectives.

A subset of the GMC IRWM Plan Objectives that were storm water or dry weather run off related formed the list of SWRP Objectives, as described in Section 1.1. Table 5.1 summarizes how the thirteen projects meet the SWRP Objectives. This table provides a preliminary check to make sure that the projects selected for prioritization (see Section 5.3 below) at minimum meet storm water and dry weather runoff related goals and objectives specific to the Greater Salinas Planning Area. The quantity and type of objectives each project met does not have bearing on the project evaluation and prioritization but rather provides a gauge on how well each project fits into this focused Greater Salinas Area SWRP. Projects met between 7 and 35 of the total 45 objectives. Most of the projects met at least one objective in each of the five categories (i.e., water supply, water quality, flood management, environmental, and community).

Table 5.1 Summary of Projects and SWRP Objectives

Project Information			SWRP Objectives (developed in Section 1.1.2)																																													
		Categories:	Water Quality						Water Supply							Flood Management							Environmental														Community											No. of SWRP Objectives Met (45 max)
Project Number	Project Applicant	Project Title	WQ.1	WQ.2	WQ.3	WQ.4	WQ.5	WQ.6	WS.1	WS.2	WS.3	WS.4	WS.5	WS.6	WS.7	FM.1	FM.2	FM.3	FM.4	FM.5	FM.6	FM.7	EN.1	EN.2	EN.3	EN.4	EN.5	EN.6	EN.7	EN.8	EN.9	EN.10	EN.11	EN.12	EN.13	EN.14	CO.1	CO.2	CO.3	CO.4	CO.5	CO.6	CO.7	CO.8	CO.9	CO.10	CO.11	
1	Central Coast Wetlands Group	Coastal Wetland Erosion Control and Dune Restoration	X	X	X	X	X	X		X			X				X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	35
2	Central Coast Wetlands Group	Northern Gabilan Mountain Watershed Management Project	X		X	X	X					X					X	X	X	X		X	X		X	X	X	X	X	X	X	X			X			X	X	X	X	X					X	26
3	Central Coast Wetlands Group	Water Quality Enhancement of the Tembladero Slough Phase II	X		X	X					X		X	X			X	X	X	X		X	X				X			X	X		X	X			X	X	X	X	X						X	23
4	City of Salinas and Big Sur Land Trust	Carr Lake Riparian Habitat Restoration Plan	X				X		X	X	X	X	X			X	X	X	X																		X			X	X	X	X	X	X	X	X	20
5	City of Salinas	Integrated Industrial Wastewater Conveyance and Treatment Facility Improvements	X	X	X	X		X		X	X		X			X			X	X			X			X	X	X		X	X								X	X	X							20
6	City of Salinas / MRWPCA	City of Salinas/MRWPC A Stormwater Diversion Implementation and Water Supply	X		X	X		X		X	X		X	X								X	X				X				X	X	X	X			X		X	X	X	X					X	21
7	MCWRA	Salinas River Flood Risk Reduction and Habitat Improvement Project	X		X	X				X	X			X									X				X				X		X	X			X		X	X	X							15
8	MCWRA	Salinas River Flood Risk Reduction Project	X			X	X	X							X									X	X		X	X				X					X		X	X		X						14
9	MCWRA	Water Supply Reliability Project															X		X	X		X			X	X	X	X													X	X			X			11
10	MRWPCA	Blanco Drain Diversion to MRWPCA Regional Treatment Plant	X		X	X	X						X					X							X			X		X		X	X	X		X	X			X		X						16
11	MRWPCA	Stormwater Return Facilities from the Salinas Industrial Wastewater Facility to the MRWPCA Salinas Pump Station				X	X		X		X	X		X			X	X	X			X				X				X		X					X					X						15
12	San Jerardo Cooperative, Inc	Disadvantaged Community Water Quality and Conservation Program			X				X		X					X							X											X						X								7
13	The Nature Conservancy	Salinas Multi- Benefit Floodplain Management									X		X										X																									3

5.3 Approach for Evaluation and Prioritization of Projects

This section outlines the approach taken in the evaluation and prioritization of projects. The method used in this SWRP is based upon the SWRP Guidelines (SWRCB 2015) which recommend a project prioritization and screening process that involves both tangible (i.e., quantitative) benefit and intangible benefit evaluations. As stated in Section 5.1, projects were initially pre-screened and resulted in the 13 projects selected for evaluation under this plan because the projects provide storm water or flood management focus with clear benefits and are located within the planning area. Three scoring categories were developed for this plan and are presented below:

1. Scoring Category 1: Two questions regarding project funding availability and project location and land access, as further described in Section 5.2.1.

2. Scoring Category 2: A multiple benefits analysis based upon the main and additional benefits provided in Table 4 of the SWRP Guidelines (SWRCB 2015), as further described in Section 5.2.2.

3. Scoring Category 3: A quantitative metrics-based benefit analysis based upon the quantitative metrics suggested in the SWRP Guidelines (SWRCB 2015), as further described in Section 5.2.3.

A total of 250 points are distributed between the three scoring categories with 80 points for Scoring Category 1; 50 points for Scoring Category 2 and 120 points for Scoring Category 3. The distribution of the total points to the three scoring categories reflects both the relative importance derived from the SWRP guidelines as well as a means of balancing the merits of each project. Points were assigned to a variety of elements within each scoring category and summed to give a total score per category as detailed in Sections 5.3.1- 5.3.3 below.

Each of the categories were then summed at the end to give a total project score. Projects were ranked based on their total scores. The scoring process is summarized in Table 5.2.

Projects were evaluated based upon their project proposal forms submitted to the GMC IRWM and also during one-on-one interviews with the SWRP consultant team and the project proponent. Since the projects were selected from a 2016 GMC IRWM project solicitation targeting storm water projects, , the interview component allowed proponent entities to provide valuable updates to their projects such as changes in secured funding, new or altered commitments from outside entities towards shared future costs (i.e., operations and maintenance, volunteer hours, etc.), new developments in progress and status of the project (i.e., secured land access, etc.), and any other pertinent changes to the project since the time the project form was submitted. Additionally, interviews provided an opportunity for the SWRP author team to review and assess the claimed storm water related benefits of each project. Proponents were asked to support claims made for various benefits (both main and additional) as well as identify quantitative metrics-based benefits.

Table 5.2 Project Prioritization, Scoring, and Metrics Analysis

Project Information			Scoring Category 1: Project Funding and Land Availability				Scoring Category 2: SWRP Multiple Benefits Analysis																				Scoring Category 3: SWRP Quantitative Benefit Metrics Analysis			Project Scoring and Prioritization
		Categories:					Water Quality			Water Supply			Flood Management		Environmental						Community										
Project Number	Project Applicant	Project Title	Permanent Funding to achieve benefit? Scoring: (40 points)	Project located on lands with Public ownership? Scoring: (40 points)	Category 1 Score (60 max)	Match Provided	Increased filtration and/or treatment of runoff	Nonpoint source pollutant control	Reestablished natural water drainage and treatment	Water supply reliability	Conjective use	Water conservation	Decreased flood risk by reducing runoff rate and/or volume	Reduced sanitary sewer overflows	Environmental and habitat protection and improvement	Reduced energy use, greenhouse gas emissions, or provides a carbon sink	Reestablishment of the natural hydrograph	Increased urban green space	Water temperature improvements	Employment opportunities provided	Public education	Community involvement	Enhance and/or create recreational and public use areas	No. of SWRP Main Benefits Met (8 max) Scoring: (4 points for each benefit)	No. of SWRP Secondary Benefits Met (9 max) Scoring: (2 point for each benefit)	Total No. of Intangible Objectives-based Benefits (19 max)	Category 2 Score (50 max)	Benefit Metrics Analysis Type	Quantitative Benefit Metrics Value	Summary of SWRP Relative Benefits Scoring: ○ = 0 ◔ = 30 ◑ = 60 ◕ = 90 ● = 120	SWRP Project Score (250 max) Scoring: (Sum of Categories 1, 2, and 3)
6	City of Salinas / MRWPCA	City of Salinas/MRWPC A Stormwater Diversion Implementation and Water Supply	Y	Y	80	$366k	X	X		X	X	X	X	X	X	X			X	X	X	X		7	6	13	40	Volume of SW captured, Pollutants reduced, Volume of GW recharged, Volume of runoff reduction	90 lb/yr Ammonia as N (Unionized), 1,904 lb/yr Ammonia as NH3, 332,127 lb/y Chloride, 50 Chlorophyll a (water column), 5 lb/yr Chloropyrifos, 311 lb/yr Diazinon, 2,003,288 lb/yr Dissolved Solids (Total), 40, 563 lb/yr Nitrate as N, 2,017 lb/yr OrthoPhosphate as P, 216,783 lb/yr TSS Pollutant Load Reduced. 1,400 AFY volume treated/captured	●	240
5	City of Salinas	Integrated Industrial Wastewater Conveyance and Treatment Facility Improvements	Y	Y	80	$7.2m	X	X		X	X	X	X	X	X	X			X	X	X	X		7	6	13	40	Volume of SW captured, supply augmented, reduced sanitary sewer flows; Pollutants reduced	+ 2,500 ac-ft/yr	◕	210
11	MRWPCA	Stormwater Return Facilities from the Salinas Industrial Wastewater Facility to the MRWPCA Salinas Pump Station	Y	Y	80	$2.5m	X	X		X	X	X	X	X	X	X			X	X	X	X		7	6	13	40	Volume of water diverted (via Reclamation Ditch); Pollutants reduced	8,000 AFY	◕	210
1	Central Coast Wetlands Group	Coastal Wetland Erosion Control and Dune Restoration	Y	Y	80	$356k	X	X	X	X			X		X	X	X		X	X	X	X	X	6	7	13	38	Area restored (acres); Nitrate reduction; Flood attenuation; Size of DAC population served	126 acres restored	◑	178
12	San Jerardo Cooperative, Inc	Disadvantaged Community Water Quality and Conservation Program	Y	Y	80	DAC exempt	X		X	X	X	X	X		X		X			X	X	X	X	7	5	12	38	Volume of water treated; Size of DAC population served;		◑	178
3	Central Coast Wetlands Group	Water Quality Enhancement of the Tembladero Slough Phase II	Y	Y	80	$243k	X	X	X				X		X	X	X		X	X	X	X		5	6	11	32	Area restored (acres); nonpoint source pollutant control; size of DAC population served	60 acres restored	◑	172
10	MRWPCA	Blanco Drain Diversion to MRWPCA Regional Treatment Plant	Y	N	40	$4.4m	X	X		X	X	X	X		X				X	X	X	X		7	4	11	36	Volume of water diverted, treated, reused; Pollutants reduced	8,000 AFY	◕	166
7	MCWRA	Salinas River Flood Risk Reduction and Habitat Improvement Project	Y	N	40	$263k			X	X	X	X	X		X		X			X	X	X		6	4	10	32	Area river restored; Pounds of sediment removed	100 acres restored; 100,00 cubic yards sediment removed	◕	162
2	Central Coast Wetlands Group	Northern Gabilan Mountain Watershed Management Project	Y	N	40	$281k	X	X	X	X			X		X		X		X	X	X	X	X	6	6	12	36	Environmental habitat restoration; Flood attenuation; Pollutants reduced;	(To be quantified when final sites are selected)	◔	106
4	City of Salinas and Big Sur Land Trust	Carr Lake Riparian Habitat Restoration Plan	N	N	0	$250k	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	8	7	15	46	Area restored (acres); Pollutants reduced; Volume of SW captured, treated, and reused; Size of DAC population served	73-480 acres restored	◑	106
9	MCWRA	Water Supply Reliability Project	Y	Y	80	$869k			X	X		X	X		X					X				4	2	6	20			○	100
8	MCWRA	Salinas River Flood Risk Reduction Project	N	Y	40	$140k				X	X	X	X		X		X			X	X	X		6	3	9	30			○	70
13	The Nature Conservancy	Salinas Multi- Benefit Floodplain Management	N	N	0	$289k		X	X	X	X		X		X	X	X			X	X	X		6	5	11	34	Area or length of river restored, non-native removal	92 miles of river restored (total Salinas River); x miles in Greater Salinas Area SWRP	◔	64

5.3.1 Scoring Category 1 Development and Analysis

Under the guidance for prioritizing storm water and dry weather runoff capture projects, the SWRP Guidelines (SWRCB 2015) recommend projects or programs supported by proponent entities that will create, "permanent, local, or regional funding." During evaluation of the project proposals information regarding available funding was provided, however, a deeper discussion regarding project funding occurred during the project interviews. If projects were able to secure some sort of permanent funding to achieve the claimed benefits they were assigned a yes (i.e., "Y") for a value of 40 points in Table 5.2. Projects without any other funding commitments were assigned a no (i.e., "N") for a value of 0 points in Table 5.2.

In addition to funding, the SWRP Guidelines (SWRCB 2015) recommends projects "use existing publicly owned lands and easements" in accordance with the Water Code §10562(e). During evaluation of the project proposals limited information regarding the project's use of publicly owned lands or easements was available, therefore, during the project interviews additional site location and land agreements information was obtained directly from the project proponents. Similar to the scoring for the funding question, projects were assigned a yes (i.e., "Y") for a value of 40 points if land access or agreements were available and were assigned a no (i.e., "N") for a value of 0 points if these access or agreements weren't available. Projects were assigned either a total of 0, 40, or 80 points for Scoring Category 1 based on the answers to the funding and project land access questions. Scoring Category 1 was assigned a weight of 30 percent in Table 5.2.

5.3.2 Scoring Category 2 Development and Analysis

A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015). There are 17 benefits total which fall under five broad categories: water quality, water supply, flood management, environmental, and community. In Table 5.2 a main benefit was shaded in gray to distinguish it apart from the secondary benefits. The SWRP Guidelines require that projects meet "at least two or more" main benefits and as many secondary benefits as possible. In order to include the benefit analysis in the ranking and prioritization of projects, points values were assigned to the benefits with main benefits being allotted 4 points each and secondary benefits being allotted 2 points each.

Each of the 13 projects was evaluated against each of the 17 benefits. Projects were given an "X" signifying a claimed specific benefit. If a benefit was not claimed by a project proponent the space was left blank. The number of main and secondary benefits were totaled in Table 5.2 and multiplied by the assigned point value. Points were totaled for each project, with a maximum of 50 points allowed for Scoring Category 2.

An initial cursory review of the project proposals provided the information used to interpret and dispersed benefits claimed by each project proponent. This resulted in an initial set of main and secondary benefits allocated to each project. During project interviews this initial set was refined further based on discussions with the project proponents. In some instances benefits initially given to a project were taken away and in other instances more benefits were awarded.

This allowed project proponent entities to defend benefits claimed for their projects as well as explain why certain benefits may too difficult to claim and therefore would not be relevant to their project goals.

5.3.3 Scoring Category 3 Development and Analysis

The purpose of Scoring Category 3 is to add a quantitative metrics-based approach to capture the tangible benefits provided by each project and to demonstrate the specific benefits each project will have on the Planning Area. The quantitative metrics evaluation was based on the criteria described below and documented in Table 5.2.

The approach included first identifying a quantitative metric that is specific to one or more main and secondary benefits (herein referred to as "benefit metrics"). Benefit metrics were developed from the information provided in the project form in combination with the one-on-one project interviews with the proponents. Some projects had a range of benefit metrics such as acres or length of area restored, population size, pounds per year of pollutants reduced, acre-feet per year of volume of water diverted and/or treated, etc. with varying quantities. Once the benefit metric was identified for a given project, a value was identified. As an example, Project 1, the Central Coast Wetlands Group's Coastal Wetland Erosion Control and Dune Restoration Project is claiming 126 acres of restored dunes. Not all projects have a reported quantifiable value(s) for the benefit metrics at this time. Some projects while they had identified a benefit metrics were not able to quantify the metric(s) due to the project still being in the planning stages. For these cases benefit metrics were identified without any corresponding values so that these can be quantified at a later time.

While most of the projects have some sort of calculable benefit metrics value, not all have benefits metrics that are comparable either because they are completely different metrics types or were reported in different units. Since most of these project specific benefit metrics aren't directly analogous, a visual comparative ratings system was developed. The comparative ratings system is based on visual circles that are either empty (not filled), one quarter filled, half filled, three quarters filled, or completely filled. Points were assigned to each quantity of fill, as follows:

- Empty circles (○) were assigned a value of 0. This rating meant the project was not able to identify benefits metrics with current quantifiable values or values to be calculated later.
- One quarter filled circles (◔) were assigned a point value of 30. This rating meant the project was able to identify one or more benefit metrics however could not quantify the metric(s) at this time.
- Half-filled circles (◑) were assigned a point value of 60. This rating meant that the project met all of the criteria of the previous rating (one quarter-filled circle) and in addition were able to identify one or more benefit metrics with at least one corresponding quantified values. Projects were kept from a higher rating (see above) if the value quantities were low, the metrics had minimal or insignificant perceived storm water impact, or if only one of several metrics was able to be quantified.
- Three quarter filled circles (◕) were assigned a point value of 90. This rating meant that the project met all of the criteria of the previous two ratings (one quarter- and half-filled circles) and in addition were able to identify one or more benefit metrics with at least one

corresponding quantified values. Projects were given this rating if they had higher quantity values or had more impactful or significant storm water benefit metrics than rating 2 (see above).

- Completely filled circles (●) were assigned a point value of 120. This rating meant that the project met all of the criteria of the previous three ratings (one quarter-, half-, and three quarter-filled circles) and in addition were able to identify one or more benefit metrics with one or more corresponding quantified values. Projects were given the full rating score if they were able to identify multiple benefit metrics with corresponding values for each. Each benefit metric must also be deemed to have higher quantity values and more impactful or significant storm water benefit metrics than the previous three ratings.

Several projects in the evaluation did not include clear and defined quantitative benefits metrics values. A summary of the assigned scoring and the quantitative benefit metrics values for each project is included in Table 5.2.

5.4 Project Prioritization and Selection

To summarize Section 5.3, up to 80 points were available for Scoring Category 1, up to 50 points were available for Scoring Category 2, and up to 120 points were available for Scoring Category 3 for a maximum score of 250 points. The distribution of points between the scoring categories is significant in that the way in which each category's total score was developed is based on the perceived importance of each criterion in the SWRP Guidelines (SWRCB 2015). For example, the land and funding availability questions (i.e, Scoring Category 1) and the ability to identify and quantify benefit metrics (i.e., Scoring Category 3) were perceived as more important in the guidelines than the ability for each project to have multiple benefits. Also since it was evident that most projects had multiple benefits; therefore, while important, Scoring Category 2 does not provide a means to discern the relative merit of each project as they would score similarly to each other so was given a modest distribution of total points towards Scoring Category 2.

Table 5.2 presents the current prioritization of projects. In total, 13 projects were prioritized and ranked yielding total scores from 64 points to 240 points based on the scoring system developed in Section 5.3. The scores developed in this SWRP are for the purposes of prioritizing and ranking projects as required by the SWRP Guidelines. The purpose is to identify and develop projects with clear storm water and dry weather runoff goals that also provide multiple public water quality and supply benefits, and have been identified, prioritized, and selected based on a metrics-driven analysis. The relative prioritization of projects in this plan does not restrict any project from applying to or attaining State grant money funded by any bond measure approved by voters after January 2014, which includes Proposition 1 funding for implementation.

Section 6: Implementation Strategy and Schedule

This section presents an initial implementation strategy and schedule for this Greater Salinas Area SWRP; the GMC SWRP will revisit and update implementation strategies and schedules.

6.1 Resources for Implementation

The Greater Salinas Area SWRP serves as the foundation for the development of the SWRP for the GMC SWRP, both of which will be submitted to the RWMG for the GMC IRWM Region for incorporation into the GMC IRWM Plan. As part of the RWMG, a "permanent" Funding Committee has been convened to identify sources of funding for the IRWM Plan projects and programs, which by extension include SWRP projects. These funding sources include private foundation grants; State IRWM, storm water, grant funds, and state and federal water quality grant funds; monetary contributions from RWMG entities; and in-kind staff time contributed by members of the RWMG. The Funding Committee is also investigating other potential means of long-term support, including:

- Collaboration with other agencies and organizations, external to the RWMG, that share similar goals and that might benefit from IRWM Plan and SWRP implementation, for donation of financial contributions or other resources toward the IRWM planning effort.

- Potentially, grant funds from America's Great Outdoors (AGO) Initiative. The IRWM Plan and SWRP goals and objectives support most of the priority themes for the AGO.

Ongoing IRWM planning and "maintenance" by the Funding Committee for the IRWM Plan and SWRP includes:

- Approximately 4-8 RWMG meetings a year, which will focus on alternative sources of funding for IRWM Plan and SWRP projects and programs, ongoing water resource issues in the region, integration of projects, the Water Resource Project Coordination process, ongoing outreach and assistance to DACs, and opportunities for collaboration between RWMG members.

- Project solicitations for the IRWM Plan, which will occur about every 18 months.

- Committee work associated with the project solicitations (e.g., project ranking and project review).

- Project monitoring and Plan performance evaluation, which is expected to occur bi-annually.

In addition to seeking financial support for the ongoing IRWM planning process, the Funding Committee is also tasked with identifying alternative, non-IRWM sources of grant funds and other means to help implement projects and programs in the IRWM Plan. Potential funding sources include (where appropriate):

- Federal grant programs such as U.S Fish and Wildlife Service grants, National Fish and Wildlife Federation grants, Economic Development Administration grants, U.S. Department of Agriculture grant programs, U.S. Bureau of Reclamation Title XVI funds, U.S. Department of Agricultural Natural Resources Conservation Service Environmental Quality Incentives Program grants.

- State grant programs such as Department of Fish and Game Fisheries Restoration Grant Program funds; State Coastal Conservancy funds; State Water Resources Control Board Cleanup and Abatement Account grants, Supplemental Environmental Protection grants, and other water quality grants; and State Department of Water Resources grants.

- Local funds such as Transportation Agency for Monterey County grants

- Private grants such as California State Parks Foundation, Elkhorn Slough Foundation, Monterey Bay Sanctuary Foundation, Monterey County Agricultural and Historical Land Trust, and corporate gifts.

- Ratepayer fees

- Special taxes, assessments, and fees

- Loans such as the Clean Water State Revolving Fund loan.

6.2 Implementation Projects and Programs

The Greater Salinas Area SWRP is developed by entities with experience in developing and utilizing practices to ensure effective implementation of planning efforts.

The following projects and programs submitted to the Greater Salinas Area SWRP achieve multiple benefits and will ensure effective implementation by achieving plan storm water objectives:

- *Project 1: Coastal Wetland Erosion Control and Dune Restoration, Central Coast Wetlands Group

- Project 2: Northern Gabilan Mountain Watershed Management Project, Central Coast Wetlands Group

- *Project 3: Water quality enhancement of the Tembladero Slough Phase II, Central Coast Wetlands Group

- *Project 4: Carr Lake Riparian Habitat Restoration Plan, City of Salinas and Big Sur Land Trust

- **Project 5: Integrated Industrial Wastewater Conveyance and Treatment Facility Improvements, City of Salinas

- **Project 6: City of Salinas/MRWPC A Stormwater Diversion Implementation and Water Supply, City of Salinas / MRWPCA
- *Project 7: Salinas River Flood Risk Reduction and Habitat Improvement Project, MCWRA
- Project 8: Salinas River Flood Risk Reduction Project, MCWRA
- *Project 9: Water Supply Reliability Project
- **Project 10: Blanco Drain Diversion to MRWPCA Regional Treatment Plant, MRWPCA
- **Project 11: Stormwater Return Facilities from the Salinas Industrial Wastewater Facility to the MRWPCA Salinas Pump Station, MRWPCA
- *Project 12: Disadvantaged Community Water Quality and Conservation Program, San Jerardo Cooperative, Inc
- Project 13: Salinas Multi-Benefit Floodplain Management, The Nature Conservancy

As described in Section 5.1, the projects with a single * have progressed through planning and some design while the projects with a double asterisk ** have completed design and have funding for implementation. Table 5.2 in Section 5 identifies the projects and the corresponding SWRP objectives that are met.

6.3 Implementation Strategy

6.3.1 Submittal to Applicable IRWM Plan

The Greater Salinas Area SWRP will be submitted to the Greater Monterey IRWM RWMG for incorporation into the GMC IRWM Plan.

The Greater Salinas Area SWRP will serve as the foundation for the development of the GMC SWRP. The GMC SWRP is anticipated to be completed in 2018, therefore the content of this Greater Salinas Area SWRP will be incorporated into the future GMC SWRP.

The GMC SWRP will provide coverage for the GMC IRWM Region. The RWMG will be involved in all aspects of the GMC SWRP development (as they have in the development of the Greater Salinas Area SWRP) including all major decision points and milestones. Upon completion of the GMC SWRP, the RWMG will approve and adopt the SWRP, and will incorporate it into the IRWM Plan (either by reference or as an appendix).

6.3.1.1 Adaptive Management – Maintaining a Living Document

Once the Greater Salinas Area SWRP is folded into the GMC SWRP, the GMC SWRP will be considered a living document that will contain clear procedures for the RWMG to update the plan, track plan performance, and evaluate future projects. The Greater Salinas Area SWRP content will be updated as part of the GMC SWRP.

Ongoing adaptations to the GMC SWRP may include: recharacterization of water quality priorities; source assessment re-evaluation; effectiveness assessment of projects; updated metrics-based, quantitative analysis; adding or removing projects; and identification of completed projects.

6.3.2 Responsibilities

As part of the GMC IRWM, the RWMG will be responsible for the implementation of the future GMC SWRP. The RWMG consists of most of the SWRP project proponents, including:

- Big Sur Land Trust
- Central Coast Wetlands Group
- City of Salinas
- MRWPCA
- MCWRA
- San Jerardo Cooperative, Inc.

While not a member of the RWMG, the Nature Conservancy (as well as other regional stakeholders) is invited to attend RWMG meetings, participate in workshops, and provide input and comments on the SWRP.

As previously stated, this Greater Salinas Area SWRP was developed to support the storm water portion of the Pure Water Monterey Project. This SWRP, as well as the GMC SWRP involves close collaboration and coordination between the City of Salinas and MRWPCA. The two SWRPs span two IRWM groups and will involve cooperation between these regions in preparation and review of the SWRPs.

Project 5, Project 6, Project 10, and Project 11 are all part of a larger regional storm water project which was recently awarded $10 million of Proposition 1 funding. These individual projects can be completed as standalone projects. The project partners include the City of Salinas and MRWPCA, and as a regional project has the support of the following: California Association of Sanitation Agencies; Monterey Regional Storm Water Management Program; City of Salinas; Monterey County; Luis A Alejo, Assemblymember, 30th District, California State Representative; GMC Integrated Regional Water Management Program; Monterey Bay National Marine Sanctuary; William W Monning, Senator, 17th district, California State Senate; Monterey County Resource Management Agency; Mark Stone, Assemblymember, 29th District, California State Representative; David Pendergrass, Mayor, City of Sand City; Monterey Peninsula Water Management District; Dale Huss, Chairman, Water Quality & Operations (joint venture MCWRA and MRWPCA); Monterey County Water Resources Agency; Grower-Shipper Association of Central California; Monterey County Farm Bureau.

Project 4: Carr Lake Riparian Habitat Restoration Plan is a joint effort between the City of Salinas and the Big Sur Land Trust. Big Sur Land Trust will be the owner of 73-acres of the Carr

Lake property and is working with the other landowners for conservation easements in Carr Lake. The City of Salinas owns adjoining property and/or has easement access where some infrastructure will be located.

6.3.3 Community Participation

Development and implementation of the Greater Salinas Area SWRP included input from the RWMG through regular RWMG meetings. In addition to those meetings, both MRWPCA and the City of Salinas held public meetings and were active in public education and outreach. These public meetings presented updates and information to the MRWPCA Board, Salinas City Council and other members of the public regarding the project elements.

In addition, members of MRWPCA staff give presentations regarding the MRWPCA/City of Salinas Storm Water Collection, Conveyance, Treatment and Reuse for the Salinas Region project at local city council meetings and often provide tours of the treatment and pumping facilities to interested persons and parties. MRWPCA advertises public meetings on their website, posting both full agendas, meeting packets, and approved meeting minutes for those interested in either attending or following MRWPCA activities (http://www.mrwpca.org/about_governance_public_meetings.php).

Similarly, the City of Salinas maintains a website and public Facebook page. Both are used to advertise community meetings. The City's website maintains current meeting agendas and minutes for City Council, Board, and Commission meetings. These meetings are televised live on local TV station (Channel 25) and rebroadcast at 2:00 pm, and 7:00 pm on the Wednesday, Friday, Saturday, and Monday following City Council, Board, and Commission meetings. City leadership meeting agendas and minutes can be found on their website (http://www.ci.salinas.ca.us/leadership/agendas_minutes.cfm).

Pure Water Monterey has created a website (http://purewatermonterey.org/) and maintains an active public Facebook page (https://www.facebook.com/PureWaterMonterey/) and Twitter accounts as part of their public education and outreach program. The group led a panel discussion on the collaborative process for the project with the WateReuse Association in March 2016. A public hearing was held in October 2015 to discuss the EIR.

6.3.4 Implementation Status Tracking

Plan performance tracking of the GMC SWRP (which will incorporate the Greater Salinas Area SWRP) will be conducted every two years or as appropriate as part of the IRWM Plan Performance Review. The review will evaluate progress made toward achieving IRWM Plan and by extension, SWRP objectives. Progress toward meeting IRWM Plan and SWRP objectives is directly tied to the implementation of projects, which will be tracked using the Data Management System described in Section 6.4. Two tables will be generated with each Plan Performance Review to show: 1) that the RWMG is implementing projects listed in the IRWM Plan/SWRP, and 2) that the RWMG is efficiently making progress towards meeting the objectives of the IRWM Plan/SWRP. As appropriate, project implementation will be tracked using the "Conservation Action Tracker" database, which is a data system for tracking land-use management improvements in the Central Coast region.

6.3.5 Timeline

As discussed previously, the Greater Salinas Area SWRP will be incorporated into the GMC SWRP, which will be adopted by the GMC IRWM Plan. Therefore, the mechanisms needed to implement the Greater Salinas Area SWRP, including funding strategies, responsibilities, tracking, and participation is already identified and has been in place through the RWMG, which will ensure SWRP implementation.

Implementation of specific projects identified in the SWRP is primarily dependent on funding, as well as project status. Table 6.1 below summarizes the funding status and when benefits are expected to be realized for each of the SWRP projects that were prioritized.

Table 6.1 SWRP Project Status and Completion Timeline

Project		Status	Completion Timeline[(a)]
1	Coastal Wetland Erosion Control and Dune Restoration	Active	0-5 Years
2	Northern Gabilan Mountain Watershed Management Project	Active	5-10 Years
3	Water quality enhancement of the Tembladero Slough Phase II	Active	0-5 Years
4	Carr Lake Riparian Habitat Restoration Plan	Active	0-5 Years
5	Integrated Industrial Wastewater Conveyance and Treatment Facility Improvements	Active	0-5 Years
6	City of Salinas/MRWPC A Stormwater Diversion Implementation and Water Supply	Active	0-5 Years
7	Salinas River Flood Risk Reduction and Habitat Improvement Project	Planned	5-10 Years
8	Salinas River Flood Risk Reduction Project	Planned	5-10 Years
9	Water Supply Reliability Project	Planned	5-10 Years
10	Blanco Drain Diversion to MRWPCA Regional Treatment Plant	Active	0-5 Years
11	Storm Water Return Facilities from the Salinas Industrial Wastewater Facility to the MRWPCA Salinas Pump Station	Active	0-5 Years
12	Disadvantaged Community Water Quality and Conservation Program	Active	0-5 Years
13	Salinas Multi- Benefit Floodplain Management	Planned	5-10 Years
(a) Assumes adequate funding and access to property.			

6.3.6 Federal, State, and Local Permits

There are a number of permits and permissions that must be obtained to implement the SWRP and its projects, including but not limited to:

- Federal

- National Environmental Policy Act
- Section 401 and 404 of the Clean Water Act

- State
  - California Environmental Quality Act
  - California Department of Fish and Wildlife Lake/Streambed Alteration Permit
  - General Permit for Discharges of Storm Water Associated with Construction Activity
  - Regional Water Quality Control Board NPDES permits and/or WDR

- Local
  - City/County development and encroachment permits
  - Municipal Storm water compliance
  - Local pretreatment programs

As part of the GMC IRWM Plan, the RWMG works to build relationships with federal, state, and local regulatory agencies and other water agencies to facilitate the permitting, planning, and implementation of water-related projects. The Permit Streamlining Task Force holds meetings between federal, state, and local regulatory agencies, other water agencies, and project proponents to facilitate the permitting, planning, and implementation of water-related projects. It is anticipated that these meetings will be held during project planning and construction phases. These mechanisms developed for the GMC IRWM Plan will also be used for implementation of SWRP projects.

6.4 Implementation Performance Measures

6.4.1 Outcomes

The projects and programs from Section 5 were identified to ensure effective implementation of the SWRP and achieve multiple benefits for the Greater Salinas Area SWRP and GMC SWRP areas. Table 6.2 shows both the number of projects submitted to the Greater Salinas Area SWRP (out of 13 total) that will address each objective:

Table 6.2 Summary of Multiple-Benefits of Greater Salinas Area SWRP Projects

	Number of Projects (out of 13)	
	Main Objective	Secondary Objective
Environmental	13	12
Community	13	12
Flood Management	13	3
Water Supply	12	8
Water Quality	9	12

The table indicates that the Main Objective "best addressed" by projects submitted for the Greater Salinas Area SWRP is Environmental, Community and Flood Management, followed by Water Supply, then Water Quality. All of the projects are considered multi-benefit projects. Note that most of the projects meet every objective at least to some extent. Therefore, the implementation of the SWRP is expected to result in the following outcomes for the Greater Salinas Area:

1. Environmental:
    a. Environmental and habitat protection and improvement
    b. Reduced energy use, reduced greenhouse gas emissions, and/or additional locations for carbon sinks
    c. Reestablishment of natural hydrographs
    d. Water temperature improvements
2. Community:
    a. Increased employment opportunities
    b. Increased public education
    c. Increased community involvement
3. Flood Management:
    a. Decreased flood risk by reducing runoff rate and/or volume
    b. Reduced sanitary sewer overflows
4. Water Supply:
    a. Increased water supply reliability
    b. Increased conjunctive use of groundwater and surface water (storm water)
    c. Water conservation
5. Water Quality:
    a. Increased filtrations and/or treatment of runoff
    b. Greater non-point source pollution control
    c. Reestablishment of natural water drainage and treatment

With every SWRP review and update, the objectives will be reviewed to assess the extent to which they are being achieved. As the GMC SWRP and IRWM Plan processes continue, new projects will be developed, either as concept proposals or as full implementation projects, to address the gaps in achieving the goals and objectives of the SWRP and IRWM Plans.

6.4.2 Quantification of Storm Water Management

Based on the projects prioritized for implementation by the Greater Salinas Area SWRP described in Section 5.1, this section summarizes the expected quantifiable storm water

benefits. As projects/programs are developed and implemented, it is anticipated that quantifiable benefits will be greater than originally estimated, especially in relation to Community benefits. The following projects include quantifiable benefits:

- Project 1 Coastal Wetland Erosion Control and Dune Restoration
- Project 2 Northern Gabilan Mountain Watershed Management Project
- Project 3 Water Quality Enhancement of the Tembladero Slough Phase II
- Project 4 Carr Lake Riparian Habitat Restoration Plan
- Project 5 Integrated Industrial Wastewater Conveyance and Treatment Facility Improvements
- Project 6 City of Salinas and MRWPCA Storm Water Diversion Implementation and Water Supply
- Project 7 Salinas River Flood Risk Reduction and Habitat Improvement Project
- Project 9 Water Supply Reliability Project
- Project 10 Blanco Drain Diversion to MRWPCA Regional Treatment Plant
- Project 11 Storm Water Return Facilities from the Salinas Industrial Wastewater Facility to the MRWPCA Salinas Pump Station
- Project 12 Disadvantaged Community Water Quality and Conservation Program
- Project 13 Salinas Multi- Benefit Floodplain Management

Community:

Project 12 will replace the drinking water system, install deeper wells, and upgrade wastewater systems of the two DAC communities of Alpine Court and San Vicente Road. In addition, the Wastewater Treatment Plant at the San Jerardo Cooperative will be upgraded to meet State guidelines and County code requirements to allow recycled treated water to be used for on-site irrigation. In addition, storm water improvements will be installed at the entrance to the Cooperative to divert storm related flows and prevent seasonal flooding of public roadways. Implementation of this project will benefit about 350 residents of these three DACs.

Environmental:

The following projects will benefit the environment:

- Project 1 will enhance and restore wetland and sand dune ecosystems in central Monterey Bay, and control erosion in salt marshes directly behind the dunes around Moss Landing.

- Project 2 consists of three phases to restore a sub-watershed within the upper Gabilan watershed, and serve as a model for restoration of watersheds within the Central Coast.

- Project 3 will implement a variety of water quality management innovations including the treatment train approach (i.e. detention/sedimentation features, pollutant filtration/ biological degradation of pollutants and water polishing areas) over twenty acres.

- Project 4 will turn the Carr Lake agricultural area into a multi-use facility that will include restoring wetland habitat areas.

- Project 7 provides long-term guidance and outlines maintenance procedures that will be used along the Salinas River mainstem and portions of San Lorenzo Creek, Bryant Canyon Channel, and Gonzales Slough to conduct stream maintenance activities (i.e., non-native and native vegetation treatment, sediment management) on a voluntary basis to maximize flood flow capacity and minimize bank erosion, while minimizing environmental effects, helping to protect against flooding during and after major storm events.

- Project 13 will design integrated management strategies to build consensus on existing conditions, costs of different management strategies, and how to optimize benefits. Strategies will include off-channel flood attenuation and storage areas (e.g., ponds, bypasses, compound channels), coordinated passive and active management of native vegetation for enhanced habitat, flood conveyance, and water quality treatment; and removal of Arundo.

Collectively, implementation of these projects will results in over 359 acres of restored habitat.

Flood Management:

The following projects will maximize and/or augment water supply through flood management:

- Project 5 will increase the collection and conveyance capacity of the City of Salinas' Industrial Wastewater System and upgrade the treatment capacity of the City's Industrial Waste Treatment Facility. This will allow the City capture storm water and divert it for treatment, in addition to industrial wastewater, for beneficial reuse. The new gravity sewers will be sized prevent overflows.

- Project 6 will divert wet weather flows from the City of Salinas' northern neighborhoods into the City's Blanco Detention Basin, which will send the water to the MRWPCA regional wastewater treatment plant for treatment and then injected into the groundwater basin. Implementation of this project will divert and reclaim surface water that would normally have entered the City of Salinas' sanitary sewer system, therefore protecting against sewer overflows.

- Project 10 will divert, convey and treat agricultural return water from the Blanco Drain for maximum beneficial use. This project will collect storm water from the southwestern part of the City of Salinas and from 6,400 acres of agricultural lands. Implementation of this

project will divert and reclaim surface water that would normally have entered the City of Salinas' sanitary sewer system, therefore protecting against sewer overflows.

- Project 11 will repurpose existing infrastructure to bring back water from the Salinas Industrial Waste Facility Ponds to the Salinas Pump station for conveyance to MRWPCA's Regional Wastewater Treatment Plant and treatment for injection into the Seaside Groundwater Basin. New diversions include diverting storm water away from the City's sanitary sewer to the industrial wastewater pipeline, thus reducing the chances of overflow.

- Project 12 will upgrade the San Jerardo Cooperative Wastewater Treatment Plant to allow treated storm water to be used for on-site irrigation. In addition, improvements will be installed at the entrance to the Cooperative to divert storm-related flows and prevent seasonal flooding of public roadways.

Water Supply:

Projects 5, 6, 9, 10, and 11 all improve and/or construct infrastructure to divert and convey surface water runoff to the MRWPCA Regional Wastewater Treatment Plant for treatment and injection into the Seaside Groundwater Basin. Project 12 will divert storm water that would normally cause seasonal flooding of roadways to an upgraded water treatment plant that will produce recycled water for reuse as on-site irrigation. Collectively, implementation of these projects will result in 3,900 AFY captured for beneficial use.

Water Quality:

The following projects will assist in meeting NPDES permits held by the City of Salinas and/or co-permittees of the Monterey Regional Storm Water Management Program by either directly treating runoff or restoring watershed processes to naturally treat or reduce polluted runoff:

- Project 1 will restore wetland and sand dune ecosystem, remove invasive non-native plants in the Central Monterey Bay.

- Project 2 will restore a subwatershed within the upper Gabilan watershed.

- Project 3 Phase II will construct 6 projects that will utilize a variety of water quality management innovations including the treatment train approach (i.e. detention/sedimentation features, pollutant filtration/ biological degradation of pollutants and water polishing areas).

- Project 4 is an effort to turn the agricultural area into a multi-use facility that will provide much needed open space and recreational facilities, as well as providing benefits such as improved peak flood control and water quality, and restoring wetland habitat areas.

- Project 5 will improve the City of Salinas' Industrial Wastewater System (IWS) and increase the capacity to collect the City's storm water runoff and industrial wastewater and convey it to the City's Industrial Waste Treatment Facility (IWTF).

In total, implementation of these projects will result in 1,300 tons of pollutant load reduction, 1,000,000 cubic yards of sediment removed, and 8,000 AFY of storm water treated.

6.4.3 Decision Support Tools, Monitoring, and Information Management

Progress toward meeting SWRP objectives is directly tied to the implementation of projects. The implementation of projects, along with associated monitoring data, will be tracked using a Data Management System (DMS) that takes advantage of database systems developed by statewide efforts. Because neither the Greater Salinas Area SWRP, GMC SWRP, nor the GMC IRWM Plan have ongoing, secure funding sources for data management, the RWMG has opted to utilize existing State database frameworks including, for surface water quality, those developed by the California Surface Water Ambient Monitoring Program (SWAMP) and by the California Environmental Data Exchange Network (CEDEN). Wetland and riparian habitat conditions will be measured and documented using the California Rapid Assessment Methods (CRAM), and applicable groundwater data will reside in GeoTracker using the Groundwater Ambient Monitoring and Assessment (GAMA) database.

The DMS for the GMC IRWM region includes data validation and quality assurance for the set of standardized key metadata fields. The data system provides a portal to data sets (measurements) hosted by the data generating organizations or those that have been integrated to regional, statewide, or national databases, including Wetland Tracker, CalDUCs, and CEDEN. The RWMG and its designated Data Coordinator is responsible for ensuring that data gets uploaded to the appropriate State database.

If a project requires monitoring, the project proponent is responsible for both development of the project-specific monitoring plans and for all monitoring activities. The project-specific monitoring plan requirements will vary based on the type of project being implemented. All projects must adhere to certain State guidelines for monitoring in order to be implemented through the IRWM Plan, and by extension, the SWRP. Through project-specific monitoring efforts, the Conservation Action Tracker, and measurable objectives, the RWMG intends to demonstrate over time that the GMC IRWM Plan and SWRP are meeting their goals and objectives.

The project-specific monitoring plan requirements will vary based on the type of project being implemented. All projects must adhere to certain State guidelines for monitoring in order to be implemented through the IRWM Plan and the SWRP. These include:

- Projects that involve surface water quality must meet the criteria for and be compatible with SWAMP, (http://www.waterboards.ca.gov/water_issues/programs/swamp/tools.shtml).

- All projects that involve groundwater quality must meet the criteria for and be compatible with GAMA, (http://www.waterboards.ca.gov/gama/).

- All projects that involve wetland restoration must meet the criteria for and be compatible with the State Wetland and Riparian Area Monitoring Plan (WRAMP, http://www.waterboards.ca.gov/mywaterquality/monitoring_council/wetland_workgroup/docs/2010/tenetsprogram.pdf)

Any projects that do not fall into one of the above categories must, at minimum, address the following:

1. Clearly and concisely (in a table format) describe what is being monitored for each project. Examples include photo monitoring, water depth, flood frequency, and effects the project may have on habitat or particular species (before and after construction), etc.

2. Measures to remedy or react to problems encountered during monitoring. An example would be to coordinate with the Department of Fish and Game if a species or its habitat is adversely impacted during construction or after implementation of a project.

3. Location of monitoring (with a map).

4. Monitoring frequency.

5. Monitoring protocols/methodologies, including who will perform the monitoring.

6. Procedures to ensure the monitoring schedule is maintained and that adequate resources (budget) are available to maintain monitoring of the project throughout the scheduled monitoring timeframe.

6.4.4 Mechanisms to Adapt Project Operations and Plan Implementation

Through project-specific monitoring efforts, the Conservation Action Tracker, and measurable objectives, the RWMG will adapt project operations and plan implementation to ensure that IRWM Plan and SWRP goals and objectives are being met.

Plan Performance Review discussed in Section 6.3 includes an adaptive management process that will enable the RWMG to respond to lessons learned from the project monitoring efforts and to utilize new information, particularly as new data regarding climate change impacts and vulnerabilities for the GMC region become available. With this information, the RWMG may choose to modify IRWM Plan and SWRP objectives, the measurability of those objectives, the use of resource management strategies, or the project review process; and these decisions will, in turn, dictate the types of projects that will be prioritized and implemented in the future.

6.4.5 Mechanisms to Share Performance Data

The DMS for the GMC IRWM region provides a portal to data sets (measurements) hosted by the data generating organizations or those that have been integrated to regional, statewide, or national databases such as:

- Central Coast Action Tracker: The Central Coast Action Tracker is an effort between the RWMG and the Central Coast Resource Conservation Districts. The Action Tracker will be an online tool (currently under construction) that will allow project proponents to register and update information on conservation projects across the region in order to track efforts and improve stakeholders' ability to evaluate collective impacts and effectiveness. The vision is to create a new website which will detail information on

various conservation and water quality related projects throughout the Central Coast, including those from the IRWM Plan. Website: https://www.ccactiontracker.org/

- GAMA: All projects that involve groundwater quality must meet the criteria for and be compatible with Gama. Website: http://www.waterboards.ca.gov/gama/geotracker_gama.shtml

- SWAMP: Projects that involve surface water quality must meet the criteria for and be compatible with SWAMP. Website:http://www.waterboards.ca.gov/water_issues/programs/swamp/tools.shtml

- CEDEN: CEDEN was created by the State Water Resources Control Board with support from the Surface Water Ambient Monitoring Program (SWAMP) to include all available statewide data (such as that produced by research and volunteer organizations). Website: http://www.ceden.org/

- Wetland Tracker: Projects that involve wetland restoration must be uploaded to the California Wetland Tracker. Website: http://www.californiawetlands.net/tracker/

- CalEEMod: CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects. We are requiring all IRWM Plan projects to do the CalEEMod assessment, summaries of which can be entered in the Action Tracker. Website: http://www.caleemod.com/

Section 7: Education, Outreach, Public Participation

7.1 Community Participation in Plan Implementation

As described in Section 4.2, there is a history of community outreach during plan development and implementation in the GMC IRWM region, and there are existing mechanisms to support continued outreach. Examples of community outreach plans and efforts are described in the GMC IRWM Plan (RWMG 2014) and the outreach mechanisms and approaches established in the GMC IRWM Plan will be utilized for implementation of this SWRP. Likewise under the permits and programs established in the Salinas SWMP Update (City of Salinas 2013) a number of community outreach and participation measures were outlined and will be utilized for implementation of this SWRP. Salinas comprises a large portion of the urbanized SWRP Planning Area that forms the basis of this SWRP, as such a number of these existing programs and tools provided the necessary basis of community outreach and involvement that were utilized during plan development. A few examples of these are outlined below.

Salinas has conducted a multi-faceted education program which includes staff and private sector training, target education and community outreach (City of Salinas 2013). Salinas also maintains a website identifying upcoming management activities and public engagement meetings that allow opportunities for the public to engage in the following: comment on major technical and policy issues related to the development and implantation of plans and projects; participate in major decisions, processes, or milestones; and engage in project design and implementation (City of Salinas 2013). At a project specific level, as for those projects selected and implemented under this SWRP, the City will notify the public of upcoming activities via this website.

Salinas has also established involvement from targeted audiences such as school children, disadvantaged communities, public agencies and quasi-governmental organizations, development community, commercial and industrial, business community, residential community, non-English speaking community, the general public, and any other communities associated with high-priority storm water issues (City of Salinas 2013). Salinas has also begun a program educating elementary-level school children in environmental topics such as basic hydrology, ecology, water cycle, and water pollution prevention practices as outlined in in the Salinas SWMP Update (City of Salinas 2013).

In addition to the City of Salinas, stormwater education and outreach is provided by the Monterey Regional Stormwater and Education Alliance (SEA) which includes involvement from the following entities:

- City of Carmel-by-the-Sea,
- City of Del Rey Oaks,
- City of Monterey,
- City of Pacific Grove,
- City of Sand City,
- City of Seaside,

- County of Monterey,
- Carmel Unified School District,
- Pacific Grove Unified School District,
- Monterey Peninsula Unified School District,
- Pebble Beach Company,
- Association of Monterey Bay Governments,
- Monterey Bay National Marine Sanctuary.

The goal of the Monterey Regional SEA is to meet the requirements of the Clean Water Act through regional partnerships by preventing urban runoff, protecting public health, and enhancing the environmental quality of watersheds and beaches. The Monterey Regional SEA provides many educational opportunities including providing home maintenance, home repair, gardening, household hazardous waste disposal, and recycling tips; providing free education materials online for local schools, households, and businesses; and providing free classroom informative talks and experiments for grades K-12.

The Planning Area established in this SWRP includes climate-vulnerable communities such as those located near coastal regions affected by issues such as sea level rise and salt water intrusion in the groundwater. These coastal communities are included in planning efforts through the participation of organizations such as Monterey Bay National Marine Sanctuary as well water purveyors within the SWRP Planning area that serve areas overlying seawater intrusion including California Water Service Company

Involvement with DACs is critical in establishing multi-benefit projects. As described in the IRWM Plan and utilized for implementation in this SWRP, projects are reviewed for potential impacts to DACs and for potential environmental justice concerns as part of the regular project review process. If impacts to DACs or potential for environmental concerns are found within a project the issue will be discussed with the project proponent, mitigating factors will be evaluated, and a decision will be made as to include the project in the plan. Additional information regarding this issue is summarized in the IRWM Plan, Section H.2 (page H-7) (RWMG 2014). As an example during RWMG meetings the San Jerardo Cooperative, a community interest organization representing a cooperative housing complex for low-income farm working families located just outside the City of Salinas participated in monthly RWMG meetings between July and December 2016 when this SWRP was developed.

Section 8: References

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Appendix A: SWRP Checklist and Self-Certification

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)					
Yes	Yes	Plan identifies watershed and subwatershed(s) for storm water resource planning	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1 Watershed Description	This section of the SWRP defines the drainage area for this SWRP as a portion of the GMC IRWM region: the Gabilan watershed and portions of the lower Salinas River and Bolsa Nueva watershed, and Tembladero Slough Subwatershed and El Toro Creek – Salinas River Subwatershed.
No	Yes	Plan is developed on a watershed basis, using boundaries as delineated by USGS, CalWater, USGS Hydrologic Unit designations, or an applicable integrated regional water management group, and includes a description and boundary map of each watershed and sub-watershed applicable to the Plan.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1 Watershed Description, Figure 2.1 Planning Area Hydrology	Figure 2.1 shows the major rivers, streams, creeks, and USGS Hydrologic Unit Boundaries and Designations.
No	Yes	Plan includes an explanation of why the watershed(s) and sub-watershed(s) are appropriate for storm water management with a multiple-benefit watershed approach;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1 Watershed Description, 2.1.2 Hydrologic Boundary Type	Watersheds do not commonly follow corporate or municipal/county boundaries. Water that falls in one jurisdiction may flow through several more jurisdictions and numerous environmental ecosystems before it reaches its final destination. This is especially true in the Salinas area. The interrelatedness of upstream and downstream stakeholders is the main reason to address storm water and dry weather runoff concerns through projects submitted under this SWRP.
No	Yes	Plan describes the internal boundaries within the watershed (boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, etc.; preferably provided in a geographic information system shape file);	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1.3 Groundwater Resources and Figure 2.2 and 2.2 Land Use, 2.2.1 Water and Wastewater Service Providers, Figure 2.6	Figure 2.2: Salinas Valley Groundwater Basin Figure 2.6: Cities of Salinas, Marina, and Seaside; towns of Prunedale, Boronda, Castroville, Moss Landing, and Spreckels; water suppliers summarized in Table 2.3 Figures were developed using GIS

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Plan describes the water quality priorities within the watershed based on, at a minimum, applicable TMDLs and consideration of water body-pollutant combinations listed on the State's Clean Water Act Section 303(d) list of water quality limited segments (a.k.a impaired waters list);	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.2 NPDES and TMDL Compliance, 3.2.1 TMDLs and Figure 3.1 and Table 3.1 Summary of 303(d) List of Impaired Water Bodies in the Greater Salinas Area, 3.2.2 NPDES Permits and Table 3.2 NPDES Permits Issued by the Central Coast RWQCB – Greater Salinas Area, 3.3 Other Permits	Figure 3.1 shows the impaired water bodies located within the Salinas Area Watersheds Table 3.1 summarizes 303(d) listed impaired water bodies in the Greater Salinas Area SWRP Planning Table 3.2 summarizes applicable, active NPDES permits issued for the Greater Salinas Area.
No	Yes	Plan describes the general quality and identification of surface and ground water resources within the watershed (preferably provided in a geographic information system shape file);	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1 Watershed Description and Section 3: Water Quality Compliance, 3.2 NPDES and TMDL Compliance, 3.2.1 TMDLs Figure 3.1 and Table 3.1	Section 2.1 and Figure 2.1 presents the major river watersheds and hydrologic features. Section 2.1.3 and Figure 2.2 present the areas groundwater basins and quality. Section 3 discusses activities associated with pollution of stormwater and Table 3.1 summarizes the 3030(d) List of Impaired Water Bodies. Figures were developed using GIS.
No	Yes	Plan describes the local entity or entities that provide potable water supplies and the estimated volume of potable water provided by the water suppliers;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.2 Land Use, 2.2.1 Water and Wastewater Service Providers	Figure 2.6 shows the Planning Area's water suppliers. Table 2.3 and Section 2.2.1 summarizes the water suppliers, service areas, and estimated volume of potable water provided.
No	Yes	Plan includes map(s) showing location of native habitats, creeks, lakes, rivers, parks, and other natural or open space within the sub-watershed boundaries; and	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1 Watershed Description, Figure 2.1 Planning Area Hydrology and 2.2 Land Use, Figure 2.4 Greater Salinas Area Critical Habitat and Wildlife Corridors	Figure 2.1 presents the Planning Area hydrology and was generated through GIS. Figure 2.4 presents Critical habitat, designated areas, and wildlife corridors preserved as a part of local, state, or national parks and natural estuarine or coastal protected areas in the Greater Salinas Area.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Plan identifies (quantitative, if possible) the natural watershed processes that occur within the sub-watershed and a description of how those natural watershed processes have been disrupted within the sub-watershed (e.g., high levels of imperviousness convert the watershed processes of infiltration and interflow to surface runoff increasing runoff volumes; development commonly covers natural surfaces and often introduces non-native vegetation, preventing the natural supply of sediment from reaching receiving waters).	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 2: Watershed Identification, 2.1 Watershed Description and 2.1.1 Watershed Management Issues	Section 2.1.1 summarizes the Planning Area's typical watershed management issues that are affecting the area's natural watershed processes: steelhead trout, erosion, invasive species, and fire management.
WATER QUALITY COMPLIANCE (GUIDELINES SECTION V)					
Yes	Yes	Plan identifies activities that generate or contribute to the pollution of storm water or dry weather runoff, or that impair the effective beneficial use of storm water or dry weather runoff.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.1 Activities Associated with Pollution of Stormwater and/or Dry Weather Runoff	Section 3.1 identifies activities that can generate or contribute to the pollution of storm water or dry weather runoff, or impair beneficial use of storm water or dry weather runoff.
Yes	Yes	Plan describes how it is consistent with and assists in, compliance with total maximum daily load implementation plans and applicable national pollutant discharge elimination system permits.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.2 NPDES and TMDL Compliance, 3.2.1 TMDLs and 3.2.2 NPDES Permits	Section 3.2 summarizes the participating agencies' activities related to compliance and monitoring for NPDES and TMDLs. Table 3.1 presents a summary of 303(d) listed impaired water bodies in the Greater Salinas Area SWRP Planning Area, the associated pollutant(s) of concern, the potential sources as reported by the Regional Water Boards, the completion date for the TMDL, and an assessment of whether the pollutant is applicable to storm water. Table 3.2 summarizes the applicable, active NPDES permits issued for the Greater Salinas Area.
Yes	Yes	Plan identifies applicable permits and describes how it meets all applicable waste discharge permit requirements.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.2 NPDES and TMDL Compliance, 3.2.1 TMDLs and 3.2.2 NPDES Permits; 3.3 Other Permits, 3.3.1 WDRs	Some entities within the Greater Salinas Area have wastewater discharge permits, such as the Monterey Regional Water Pollution Control Agency. However, waste discharge permits do not typically apply to storm water discharges as storm water discharges are regulated under other permits. Table 3.2 summarizes the applicable, active NPDES permits issued for the Greater Salinas Area; a list of the applicable, active NPDES permits is included as Appendix C.
ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)					
Yes	Yes	Local agencies and nongovernmental organizations were consulted in Plan development.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.1 Local Agencies and Non-Governmental Organizations	This plan was prepared in coordination with members of the GMC RWMG and more specifically in close coordination between those entities in the Salinas area. RWMG member entities include government agencies, nonprofit organizations, educational organizations, water service districts, private water companies, and organizations representing agricultural, environmental, and community interests. Table 4.1 lists the member organizations/stakeholders and their type.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
Yes	Yes	Community participation was provided for in Plan development.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.2 Community Participation	RWMG encouraged local community stakeholder participation during the development of this SWRP. During the development of this SWRP several RWMG meetings were held in which the SWRP was the focus of the meeting. Five RWMG meetings were held on July 20, August 17, September 21, October 19, November 16 and December 14, 2016 in which the SWRP was discussed. Community stakeholders were notified via the IRWM website (http://www.greatermontereyirwmp.org/) and via email. During these meetings stakeholder were given the opportunity to discuss and review the content of the SWRP and to review and comment on the draft versions.
No	Yes	Plan includes description of the existing integrated regional water management group(s) implementing an integrated regional water management plan.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.1 Local Agencies and Non-Governmental Organizations	This Greater Salinas Area SWRP serves as the foundation for development of the final SWRP for the GMC IRWM Area which will be integrated into the IRWM Plan upon its completion; therefore involvement from RWMG members was critical. Of the 19 RWMG member organizations, seven have statutory authority over water supply and/or water management within the GMC region. These members are charged with implementing the GMC IRWM Plan. Table 4.1 presents the RWMG Members.
No	Yes	Plan includes identification of and coordination with agencies and organizations (including, but not limited to public agencies, nonprofit organizations, and privately owned water utilities) that need to participate and implement their own authorities and mandates in order to address the storm water and dry weather runoff management objectives of the Plan for the targeted watershed.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.1 Local Agencies and Non-Governmental Organizations and Table 4.1 GMC RWMG Members	This plan was prepared in coordination with members of the GMC RWMG and more specifically in close coordination between those entities in the Salinas area. Table 4.1 lists the member organizations/stakeholders and their type. The SWRP includes the participation of Salinas and Monterey County who participate and implement their own authorities and mandates to address storm water and dry weather runoff management activities as part of their MS4 permit requirements. In addition, Salinas has been collaborating extensively with MRWPCA, another public agency, to divert and beneficially reuse storm water and dry weather runoff under the Pure Water Monterey program.
No	Yes	Plan includes identification of nonprofit organizations working on storm water and dry weather resource planning or management in the watershed.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.1 Local Agencies and Non-Governmental Organizations	Non-government organizations (NGOs) were also involved during the development of the plan content and submitted many of the projects under this plan. As an example, the Big Sur Land Trust and the non-profit organization Ecology. Other NGOs that were involved in the planning process included San Jerardo Cooperative, Inc., Central Coast Wetlands Group, Elkhorn Slough Estuarine Research Reserve, Environmental Justice Coalition for Water, and Monterey Bay National Marine Sanctuary whose representatives attend and participated in the meetings for this Greater Salinas Area SWRP.
No	Yes	Plan includes identification and discussion of public engagement efforts and community participation in Plan development.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.2 Community Participation	The RWMG encouraged local community stakeholder participation during the development of this SWRP. During the development of this SWRP several RWMG meetings were held in which the SWRP was the focus of the meeting. Five RWMG meetings were held on July 20, August 17, September 21, October 19, November 16 and December 14, 2016 in which the SWRP was discussed. Community stakeholders were notified via the IRWM website (http://www.greatermontereyirwmp.org/) and via email. During these meetings stakeholder were given the opportunity to discuss and review the content of the SWRP and to review and comment on the draft versions.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Plan includes identification of required decisions that must be made by local, state or federal regulatory agencies for Plan implementation and coordinated watershed-based or regional monitoring and visualization	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.3 Other Permits and Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.6 Federal, State, and Local Permits	All projects proposed and implemented as part of the Greater Salinas Area SWRP will comply with applicable town, city, and county storm water documents and ordinances, including the SWMP (City of Salinas 2013) and the Monterey County Public Works Department, Planning Department, and Redevelopment & Housing Office (RWMG 2014). All projects will also comply with applicable state and federal regulations, including the California Environmental Quality Act (Public Resources Code § 21000 et seq.), the Clean Water Act, the Safe Drinking Water Act, applicable water rights permits and licenses, State Water Board plans and policies, State and Regional Water Board water quality control plans and policies (Wat. Code, § 10562, subd. (b)(5)), NPDES permits, Areas of Special Biological Significance Compliance Plans (State Water Board Resolution 2012-0012), conditional waivers issued by State and/or Regional Water Boards (Wat. Code, § 10562, subds. (b)(5) & (6).), and the Mosquito Abatement and Vector Control District Law (Division 3, Chapter 1 of the Health and Safety Code beginning with Article 2000.) (State Water Board 2015).
No	Yes	Plan describes planning and coordination of existing local governmental agencies, including where necessary new or altered governance structures to support collaboration among two or more lead local agencies responsible for plan implementation.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.1 Local Agencies and Non-Governmental Organizations;	The RWMG works to build relationships with federal, state, and local regulatory agencies and other water agencies to facilitate the permitting, planning, and implementation of water-related projects. The Permit Streamlining Task Force holds meetings between federal, state, and local regulatory agencies, other water agencies, and project proponents to facilitate the permitting, planning, and implementation of water-related projects. It is anticipated that these meetings will be held during project planning and construction phases. RWMG member entities include government agencies.
No	Yes	Plan describes the relationship of the Plan to other existing planning documents, ordinances, and programs established by local agencies.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 1: Introduction and SWRP Objectives, 1.1 Plan Development	This plan was created with assistance and input from key members of the GMC IRWM Regional Water Management Group (RWMG). Plans utilized to cover many of the required topics in the SWRP: Salinas' 2004 Storm Drain Master Plan, Salinas' National Pollutant Discharge Elimination System (NPDES) Phase 1 Municipal Separate Storm Sewer System (MS4) permit, GMC IRWM Plan, Salinas Urban Watershed Management Plan (2013), Salinas Storm Water Master Plan (2004).
No	Yes	(If applicable) Plan explains why individual agency participation in various isolated efforts is appropriate.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 4: Organization, Coordination, Collaboration, 4.2 Community Participation and Section 5: Identification and Prioritization of Projects, 5.1 Introduction of Projects	Community participation was important during SWRP development in that it fosters outreach, participation, and involvement of disadvantaged communities (DACs), local tribes, the general public, and specific audiences such as local ratepayers, developers, locally regulated commercial and industrial stakeholders, and nonprofit organizations. Input from stakeholders such as these was critical in development of this plan and during identification of projects. Projects selected for this SWRP were originally part of the 2011, 2014, and 2016 project submissions for the GMC IRWM Plan. An initial pre-screening of projects for inclusion and evaluation under this plan were based on the following criteria: (1) if the project had a storm water or flood management focus with clear water supply, water, quality, flood management, environmental, or community benefits; and (2) if the projects were located within the Greater Salinas Area planning area. Therefore, although some projects may be developed in isolation geographically, the projects share in the management of the same watershed.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
QUANTITATIVE METHODS (GUIDELINES SECTION VI.C)					
No	Yes	For all analyses: Plan includes an integrated metrics-based analysis to demonstrate that the Plan's proposed storm water and dry weather capture projects and programs will satisfy the Plan's identified water management objectives and multiple benefits.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 5: Identification and Prioritization of Projects, 5.3 Approach for Evaluation and Prioritization of Projects	Scoring Category 1: Two questions regarding project funding availability and project location and land access. Scoring Category 2: A multiple benefits analysis based upon the main and additional benefits provided in Table 4 of the SWRP Guidelines (SWRCB 2015). Scoring Category 3: A quantitative metrics-based benefit analysis based upon the quantitative metrics suggested in the SWRP Guidelines (SWRCB 2015) A total of 250 points are distributed between the three scoring categories with 80 points for Scoring Category 1; 50 points for Scoring Category 2 and 120 points for Scoring Category 3. The distribution of the total points to the three scoring categories reflects both the relative importance derived from the SWRP guidelines as well as a means of balancing the merits of each project. Points were assigned to a variety of elements within each scoring category and summed to give a total score per category. Each of the categories were then summed at the end to give a total project score. Projects were ranked based on their total scores.
No	Yes	For water quality project analysis (section VI.C.2.a) Plan includes an analysis of how each project and program complies with or is consistent with an applicable NPDES permit. The analysis should simulate the proposed watershed-based outcomes using modeling, calculations, pollutant mass balances, water volume balances, and/or other methods of analysis. Describes how each project or program will contribute to the preservation, restoration, or enhancement of watershed processes (as described in Guidelines section VI.C.2.a)	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.4 Monitoring and Section 4: Organization, Coordination, Collaboration, 4.1 Local Agencies and Non-Governmental Organization; Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.2 Quantification of Storm Water Management	The following projects will assist in meeting NPDES permits held by the City of Salinas and/or co-permittees of the Monterey Regional Storm Water Management Program by either directly treating runoff or restoring watershed processes to naturally treat or reduce polluted runoff: • Projects 5.1.1 will restore wetland and sand dune ecosystem, remove invasive non-native plants in the Central Monterey Bay. • Project 5.1.2 will restore a subwatershed within the upper Gabilan watershed. • Project 5.1.3 Phase II will construct 6 projects that will utilize a variety of water quality management innovations including the treatment train approach (i.e. detention/sedimentation features, pollutant filtration/ biological degradation of pollutants and water polishing areas). • Project 5.1.4 is an effort to turn the agricultural area into a multi-use facility that will provide much needed open space and recreational facilities, as well as providing benefits such as improved peak flood control and water quality, and restoring wetland habitat areas. • Project 5.1.5 will improve the City of Salinas' Industrial Wastewater System (IWS) and increase the capacity to collect the City's storm water runoff and industrial wastewater and convey it to the City's Industrial Waste Treatment Facility (IWTF). All of the diversions (blanco drain example) diverting ag runoff into MRWPCA pipeline will get treated/injected and/or RW – everything permitted. NPDES not applicable b/c RW covered under WDR for RW reuse. Potential assists Salinas compliance with Phase 1 NPDES
No	Yes	For storm water capture and use project analysis (section VI.C.2.b): Plan includes an analysis of how collectively the projects and programs in the watershed will capture and use the proposed amount of storm water and dry weather runoff.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.2 Quantification of Storm Water Management	Projects 5, 6, 9, 10, and 11 all improve and/or construct infrastructure to divert and convey surface water runoff to the MRWPCA Regional Wastewater Treatment Plant for treatment and injection into the Seaside Groundwater Basin. Project 12 will divert storm water that would normally cause seasonal flooding of roadways to an upgraded water treatment plant that will produce recycled water for reuse as on-site irrigation. Collectively, implementation of these projects will results in 3,900 AFY captured for beneficial use.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	For water supply and flood management project analysis (section VI.C.2.c): Plan includes an analysis of how each project and program will maximize and/or augment water supply.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.2 Quantification of Storm Water Management	The following projects will maximize and/or augment water supply: • Project 5 will allow the City capture storm water and divert it for treatment, in addition to industrial wastewater, for beneficial reuse. The new gravity sewers will be sized prevent overflows. • Project 6 will divert and reclaim surface water that would normally have entered the City of Salinas' sanitary sewer system, therefore protecting against sewer overflows. • Project 10 will divert and reclaim surface water that would normally have entered the City of Salinas' sanitary sewer system, therefore protecting against sewer overflows. • Project 11 will divert storm water away from the City's sanitary sewer to the industrial wastewater pipeline, thus reducing the chances of overflow. • Project 12 will divert storm-related flows and prevent seasonal flooding of public roadways. Collectively, implementation of these projects will result in 3,900 AFY captured for beneficial use.
No	Yes	For environmental and community benefit analysis (section VI.C.2.d): Plan includes a narrative of how each project and program will benefit the environment and/or community, with some type of quantitative measurement.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.2 Quantification of Storm Water Management	The following projects will benefit the environment: • Project 1 will enhance and restore wetland and sand dune ecosystems in central Monterey Bay, and control erosion in salt marshes directly behind the dunes around Moss Landing. • Project 2 consists of three phases to restore a sub-watershed within the upper Gabilan watershed, and serve as a model for restoration of watersheds within the Central Coast. • Project 3 will implement a variety of water quality management innovations including the treatment train approach (i.e. detention/sedimentation features, pollutant filtration/ biological degradation of pollutants and water polishing areas) over twenty acres. • Project 4 will turn the Carr Lake agricultural area into a multi-use facility that will include restoring wetland habitat areas. • Project 7 provides long-term guidance and outlines maintenance procedures to maximize flood flow capacity and minimize bank erosion, while minimizing environmental effects, helping to protect against flooding during and after major storm events. • Project 13 will design integrated management strategies such as off-channel flood attenuation and storage areas (e.g., ponds, bypasses, compound channels), coordinated passive and active management of native vegetation for enhanced habitat, flood conveyance, and water quality treatment; and removal of Arundo. Collectively, implementation of these projects will results in over 359 acres of restored habitat. Project 12 will benefit about 350 residents of three DACs: communities of Alpine Court and San Vicente Road and the San Jerardo Cooperative. By replacing the drinking water system, install deeper wells, and upgrade wastewater systems and treatment plant to meet State guidelines and County code requirements. In addition, storm water improvements will be installed at the entrance to the Cooperative to divert storm related flows and prevent seasonal flooding of public roadways.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Data management (section VI.C.3): Plan describes data collection and management, including: a) mechanisms by which data will be managed and stored; b) how data will be accessed by stakeholders and the public; c) how existing water quality and water quality monitoring will be assessed; d) frequency at which data will be updated; and e) how data gaps will be identified.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.3 Decision Support Tools, Monitoring, and Information Management and 6.4.5 Mechanisms to Share Performance Data	The implementation of projects, along with associated monitoring data, will be tracked using a Data Management System (DMS) that takes advantage of database systems developed by statewide efforts. The DMS for the GMC IRWM region includes data validation and quality assurance for the set of standardized key metadata fields. The RWMG and its designated Data Coordinator is responsible for ensuring that data gets uploaded to the appropriate State database. The data system provides a portal to data sets (measurements) hosted by the data generating organizations or those that have been integrated to regional, statewide, or national databases, including: Central Coast Action Tracker, GAMA, SWAMP, CEDEN, Wetland Tracker, CalEEMod. All project must address the following: 1. Clearly and concisely (in a table format) describe what is being monitored for each project. 2. Measures to remedy or react to problems encountered during monitoring. 3. Location of monitoring (with a map). 4. Monitoring frequency. 5. Monitoring protocols/methodologies, including who will perform the monitoring. 6. Procedures to ensure the monitoring schedule is maintained and that adequate resources (budget) are available to maintain monitoring of the project throughout the scheduled monitoring timeframe. The RWMG and its designated Data Coordinator is responsible for ensuring that data gets uploaded to the appropriate State database.
IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D)					
Yes	Yes	Plan identifies opportunities to augment local water supply through groundwater recharge or storage for beneficial use of storm water and dry weather runoff.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 5: Identification and Prioritization of Projects, 5.1 Introduction of Projects, Table 5.1	A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015 Table 4). As shown in Table 5.2, the following projects augment local water supply through beneficial use of storm water and dry weather runoff: Project 4, Project 5, Project 6, Project 10, Project 11, Project 12
Yes	Yes	Plan identifies opportunities for source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 1: Introduction and SWRP Objectives, 1.1 SWRP Plan Objectives, 1.1.2 Greater Salinas Area SWRP Objectives, 1.1.2.1 Water Quality Objectives; Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.2 Quantification of Storm Water Management	A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015 Table 4). As shown in Table 5.2, the following projects provide opportunities for source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff: Project 1, Project 2, Project 3, Project 4, Project 5, Project 6, Project 10, Project 11, Project 12
Yes	Yes	Plan identifies projects that reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 1: Introduction and SWRP Objectives, 1.1 SWRP Plan Objectives, 1.1.2 Greater Salinas Area SWRP Objectives, 1.1.2.3 Flood Management Objective	A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015 Table 4). As shown in Table 5.2, the following projects reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible: Project 1, Project 2, Project 3, Project 4, Project 7, Project 9, Project 12, Project 13

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
Yes	Yes	Plan identifies opportunities to develop, restore, or enhance habitat and open space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 1: Introduction and SWRP Objectives, 1.1 SWRP Plan Objectives, 1.1.2 Greater Salinas Area SWRP Objectives, 1.1.2.4 Environmental Objective	A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015 Table 4). As shown in Table 5.2, the following projects develop, restore, or enhance habitat and open space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks: Project 1, Project 2, Project 3, Project 4, Project 5, Project 6, Project 7, Project 8, Project 9, Project 10, Project 11, Project 12, Project 13
Yes	Yes	Plan identifies opportunities to use existing publicly owned lands and easements, including, but not limited to, parks, public open space, community gardens, farm and agricultural preserves, school sites, and government office buildings and complexes, to capture, clean, store, and use storm water and dry weather runoff either onsite or offsite.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 1: Introduction and SWRP Objectives, 1.1 SWRP Plan Objectives, 1.1.2 Greater Salinas Area SWRP Objectives, 1.1.2.5 Community Objective	A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015 Table 4). As shown in Table 5.2, the following projects use existing publicly owned lands and easements (or the land has already been purchased): Project 1, Project 3, Project 5, Project 6, Project 8, Project 9, Project 11, Project 12
Yes	Yes	For new development and redevelopments (if applicable): Plan identifies design criteria and best management practices to prevent storm water and dry weather runoff pollution and increase effective storm water and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 3: Water Quality Compliance, 3.2 NPDES and TMDL Compliance, 3.2.2 NPDES Permits; 3.3 Other Permits	The City of Salinas developed the SWMPU which describes control measures for protecting area water quality from storm water and non-storm water discharges, particularly for the urbanized portion of the watershed (City of Salinas 2013). All projects proposed and implemented as part of the Greater Salinas Area SWRP and GMC IRWM Plan will comply with applicable town, city, and county storm water documents and ordinances, including the SWMP (City of Salinas 2013) and the Monterey County Public Works Department, Planning Department, and Redevelopment & Housing Office, and NPDES permit requirements: effectiveness assessment measures, including water quality monitoring, detailed best management practices (BMP) assessment requirements, and water quality action levels, designed to provide information about the effectiveness of efforts to reduce pollutant discharges and protect water quality and beneficial uses.
Yes	Yes	Plan uses appropriate quantitative methods for prioritization of projects. (This should be accomplished by using a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits within the watershed.)	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 5: Identification and Prioritization of Projects, 5.3 Approach for Evaluation and Prioritization of Projects, 5.3.3 Scoring Category 3 Development and Analysis	This section outlines the approach taken in the evaluation and prioritization of projects. The method used in this SWRP is based upon the SWRP Guidelines (SWRCB 2015) which recommend a project prioritization and screening process that involves both tangible (i.e., quantitative) benefit and intangible benefit evaluations. As stated in Section 5.1, projects were initially pre-screened and resulted in the 13 projects selected for evaluation under this plan because the projects provide storm water or flood management focus with clear benefits and are located within the planning area. The purpose of Scoring Category 3 is to add a quantitative metrics-based approach to capture the tangible benefits provided by each project and to demonstrate the specific benefits each project will have on the Planning Area. The quantitative metrics evaluation was based on the criteria described and documented in Table 5.1.
No	Yes	Overall: Plan prioritizes projects and programs using a metric-driven approach and a geospatial analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and community benefits within the watershed.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 5: Identification and Prioritization of Projects, 5.3 Approach for Evaluation and Prioritization of Projects	Three scoring categories were developed for this plan and are presented below: Scoring Category 1: Two questions regarding project funding availability and project location and land access, as further described in Section 5.2.1. Scoring Category 2: A multiple benefits analysis based upon the main and additional benefits provided in Table 4 of the SWRP Guidelines (SWRCB 2015), as further described in Section 5.2.2. Scoring Category 3: A quantitative metrics-based benefit analysis based upon the quantitative metrics suggested in the SWRP Guidelines (SWRCB 2015), as further described in Section 5.2.3. The scoring process is summarized in Table 5.1.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Multiple benefits: Each project in accordance with the Plan contributes to at least two or more Main Benefits and the maximum number of Additional Benefits as listed in Table 4 of the Guidelines. (Benefits are not counted twice if they apply to more than one category.)	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 5: Identification and Prioritization of Projects, 5.3 Approach for Evaluation and Prioritization of Projects, 5.3.2 Scoring Category 2 Development and Analysis	A multiple benefit analysis was performed and is based on the main and secondary (i.e., additional) benefits list from SWRP Guidelines (SWRCB 2015). There are 17 benefits total which fall under five broad categories: water quality, water supply, flood management, environmental, and community. In Table 5.1 a main benefit was shaded in gray to distinguish it apart from the secondary benefits. The number of main and secondary benefits were totaled in Table 5.1 and multiplied by the assigned point value. Points were totaled for each project, with a maximum of 50 points allowed for Scoring Category 2.
IMPLEMENTATION STRATEGY AND SCHEDULE (GUIDELINES SECTION VI.E)					
No	Yes	Plan identifies resources for Plan implementation, including: 1) projection of additional funding needs and sources for administration and implementation needs; and 2) schedule for arranging and securing Plan implementation financing.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.1 Resources for Implementation	As part of the RWMG, a “permanent” Funding Committee has been convened to identify sources of funding projects including: private foundation grants; State IRWM, storm water, grant funds, and state and federal water quality grant funds; monetary contributions from RWMG entities; and in-kind staff time contributed by members of the RWMG, and alternative, non-IRWM sources of grant funds and other means. The Funding Committee is also investigating other potential means of long-term support.
Yes	Yes	Plan projects and programs are identified to ensure the effective implementation of the storm water resource plan pursuant to this part and achieve multiple benefits.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.2 Implementation Projects and Programs	The following projects and programs submitted to the Greater Salinas Area SWRP achieve multiple benefits and will ensure effective implementation by achieving plan storm water objectives: Project 1, Project 2, Project 3, Project 4, Project 5, Project 6, Project 7, Project 8, Project 9, Project 10, Project 11, Project 12, Project 13
Yes	Yes	The Plan identifies the development of appropriate decision support tools and the data necessary to use the decision support tools.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.4 Implementation Performance Measures, 6.4.3 Decision Support Tools, Monitoring, and Information Management	The implementation of projects, along with associated monitoring data, will be tracked using a Data Management System (DMS) that takes advantage of database systems developed by statewide efforts: SWAMP, CEDEN, CRAM, GeoTracker, GAMA. DMS includes data validation and quality assurance for the set of standardized key metadata fields. The data system provides a portal to data sets (measurements) hosted by the data generating organizations or those that have been integrated to regional, statewide, or national databases, including Wetland Tracker, CalDUCs, and CEDEN.
No	Yes	Plan describes implementation strategy, including: a) Timeline for submitting Plan into existing plans, as applicable;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.1 Submittal to Applicable IRWM Plan	The Greater Salinas Area SWRP will be submitted to the Greater Monterey IRWM RWMG for incorporation into the GMC IRWM Plan. The Greater Salinas Area SWRP will serve as the foundation for the development of the GMC SWRP. The GMC SWRP is anticipated to be completed in 2018; therefore the content of this Greater Salinas Area SWRP will be incorporated into the future GMC SWRP.
No	Yes	Plan describes implementation strategy, including: b) Specific actions by which Plan will be implemented;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.1 Submittal to Applicable IRWM Plan	The Greater Salinas Area SWRP will serve as the foundation for the development of the GMC SWRP. The GMC SWRP is anticipated to be completed in 2018; therefore the content of this Greater Salinas Area SWRP will be incorporated into the future GMC SWRP. Upon completion of the GMC SWRP, the RWMG will approve and adopt the SWRP, and will incorporate it into the IRWM Plan (either by reference or as an appendix). Once the Greater Salinas Area SWRP is folded into the GMC SWRP, the GMC SWRP will be considered a living document that will contain clear procedures for the RWMG to update the plan, track plan performance, and evaluate future projects. The Greater Salinas Area SWRP content will be updated as part of the GMC SWRP.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Plan describes implementation strategy, including: c) All entities responsible for project implementation;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.2 Responsibilities	The Greater Salinas Area SWRP will serve as the foundation for the development of the GMC SWRP. As part of the GMC IRWM, the RWMG will be responsible for the implementation of the future GMC SWRP. The RWMG consists of most of the SWRP project proponents, including: Big Sur Land Trust, Central Coast Wetlands Group, City of Salinas, MRWPCA, MCWRA, San Jerardo Cooperative, Inc.
No	Yes	Plan describes implementation strategy, including: d) Description of community participation strategy;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	Outreach mechanisms and approaches established in the GMC IRWM Plan will be utilized for implementation of this SWRP. Likewise under the permits and programs established in the Salinas SWMP Update (City of Salinas 2013) a number of community outreach and participation measures were outlined and will be utilized for implementation of this SWRP.
No	Yes	Plan describes implementation strategy, including: e) Procedures to track status of each project;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.4 Implementation Status Tracking	Plan performance tracking of the GMC SWRP (which will incorporate the Greater Salinas Area SWRP) will be conducted every two years or as appropriate as part of the IRWM Plan Performance Review. The review will evaluate progress made toward achieving IRWM Plan and by extension, SWRP objectives. Progress toward meeting IRWM Plan and SWRP objectives is directly tied to the implementation of projects, which will be tracked using the Data Management System described in Section 6.4.
No	Yes	Plan describes implementation strategy, including: f) Timelines for all active or planned projects;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.5 Timeline, Table 6.1 SWRP Project Status and Completion Timeline	Implementation of specific projects identified in the SWRP is primarily dependent on funding, as well as project status. Table 6.1 below summarizes the funding status and when benefits are expected to be realized for each of the SWRP projects that were prioritized.
No	Yes	Plan describes implementation strategy, including: g) Procedures for ongoing review, updates, and adaptive management of the Plan;	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.1 Submittal to Applicable IRWM Plan, 6.3.1.1 Adaptive Management – Maintaining a Living Document	Once the Greater Salinas Area SWRP is folded into the GMC SWRP, the GMC SWRP will be considered a living document that will contain clear procedures for the RWMG to update the plan, track plan performance, and evaluate future projects. The Greater Salinas Area SWRP content will be updated as part of the GMC SWRP. Ongoing adaptations to the GMC SWRP may include: recharacterization of water quality priorities; source assessment re-evaluation; effectiveness assessment of projects; updated metrics-based, quantitative analysis; adding or removing projects; and identification of completed projects.
No	Yes	Plan describes implementation strategy, including: h) A strategy and timeline for obtaining necessary federal, state, and local permits.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.6 Federal, State, and Local Permits	The Permit Streamlining Task Force holds meetings between federal, state, and local regulatory agencies, other water agencies, and project proponents to facilitate the permitting, planning, and implementation of water-related projects. It is anticipated that these meetings will be held during project planning and construction phases.
Yes	Yes	Applicable IRWM plan: The Plan will be submitted, upon development, to the applicable integrated regional water management (IRWM) group for incorporation into the IRWM plan.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.1 Submittal to Applicable IRWM Plan	The Greater Salinas Area SWRP will be submitted to the Greater Monterey IRWM RWMG for incorporation into the GMC IRWM Plan. The Greater Salinas Area SWRP will serve as the foundation for the development of the GMC SWRP. The GMC SWRP is anticipated to be completed in 2018, therefore the content of this Greater Salinas Area SWRP will be incorporated into the future GMC SWRP.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Plan describes how implementation performance measures will be tracked.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.4 Implementation Status Tracking	Progress toward meeting SWRP objectives is directly tied to the implementation of projects, which will be tracked using the Data Management System described in Section 6.4. Two tables will be generated with each Plan Performance Review to show: 1) that the RWMG is implementing projects listed in the IRWM Plan/SWRP, and 2) that the RWMG is efficiently making progress towards meeting the objectives of the IRWM Plan/SWRP. As appropriate, project implementation will be tracked using the "Conservation Action Tracker" database, which is a data system for tracking land-use management improvements in the Central Coast region.
EDUCATION, OUTREACH, PUBLIC PARTICIPATION (GUIDELINES SECTION VI.F)					
Yes	Yes	Outreach and Scoping: Community participation is provided for in Plan implementation.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 6: Implementation Strategy and Schedule, 6.3 Implementation Strategy, 6.3.3 Community Participation	MRWPCA and the City of Salinas held public meetings during the development of the SWRP and were active in public education and outreach. These public meetings presented updates and information to the MRWPCA Board, Salinas City Council and other members of the public regarding the project elements. Additional details provided in Section 6.3.3.
No	Yes	Plan describes public education and public participation opportunities to engage the public when considering major technical and policy issues related to the development and implementation.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	There are existing mechanisms to support continued outreach: Salinas maintains a website identifying upcoming management activities and public engagement meetings and storm water education and outreach is provided by the Monterey Regional Stormwater and Education Alliance (SEA). Coastal communities are included in planning efforts through the participation of organizations such as Monterey Bay National Marine Sanctuary as well water purveyors within the SWRP Planning area. Additional details provided in Section 7.1
No	Yes	Plan describes mechanisms, processes, and milestones that have been or will be used to facilitate public participation and communication during development and implementation of the Plan.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	There are existing mechanisms to support continued outreach GMC IRWM Plan and SWRP community outreach and participation measures. Section 7.1 provides additional detail.
No	Yes	Plan describes mechanisms to engage communities in project design and implementation.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	Salinas maintains a website identifying upcoming management activities and public engagement meetings that allow opportunities for the public to engage in the following: comment on major technical and policy issues related to the development and implantation of plans and projects; participate in major decisions, processes, or milestones; and engage in project design and implementation (City of Salinas 2013). At a project specific level, as for those projects selected and implemented under this SWRP, the City will notify the public of upcoming activities via this website. Additional details provided in Section 7.1.
No	Yes	Plan identifies specific audiences including local ratepayers, developers, locally regulated commercial and industrial stakeholders, nonprofit organizations, and the general public.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	Targeted audiences: school children, disadvantaged communities, public agencies and quasi-governmental organizations, development community, commercial and industrial, business community, residential community, non-English speaking community, the general public, and any other communities associated with high-priority storm water issues. Additional details provided in Section 7.1.

Mandatory?	Meets Requirement?	Guideline	Reference	Reference Chapter/ Section/ Page Number	Rationale
No	Yes	Plan describes strategies to engage disadvantaged and climate vulnerable communities within the Plan boundaries and ongoing tracking of their involvement in the planning process.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	SWRP includes climate-vulnerable communities located near coastal regions affected by issues such as sea level rise and salt water intrusion in the groundwater through the participation of Monterey Bay National Marine Sanctuary and well water purveyors that serve areas overlying seawater intrusion. Involvement with DACs is critical in establishing multi-benefit projects. Projects are reviewed for potential impacts to DACs as part of the regular project review process. If impacts to DACs or potential for environmental concerns are found within a project the issue will be discussed with the project proponent, mitigating factors will be evaluated, and a decision will be made as to include the project in the plan. Additional details provided in Section 7.1.
No	Yes	Plan describes efforts to identify and address environmental injustice needs and issues within the watershed.	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	Projects are reviewed for potential environmental justice concerns as part of the regular project review process. If potential for environmental concerns are found within a project the issue will be discussed with the project proponent, mitigating factors will be evaluated, and a decision will be made as to include the project in the plan. Additional details provided in Section 7.1.
No	Yes	Plan includes a schedule for initial public engagement and education	**Title:** Storm Water Resource Plan For the Greater Salinas Area **Author:** Regional Water Management Group **Date:** February 2017 **URL:** http://www.greatermontereyirwmp.org/current/planning/	Section 7: Education, Outreach, Public Participation, 7.1 Community Participation in Plan Implementation	Salinas maintains a website identifying upcoming management activities and public engagement meetings that allow opportunities for the public to engage in the following: comment on major technical and policy issues related to the development and implantation of plans and projects; participate in major decisions, processes, or milestones; and engage in project design and implementation. At a project specific level, as for those projects selected and implemented under this SWRP, the City will notify the public of upcoming activities via this website.

Checklist Instructions

For each element listed below, review the applicable section in the Storm Water Resource Plan Guidelines and enter ALL of the following information.

A. Mark the box if the Storm Water Resource Plan, or a functional equivalent Plan, meets the provision **[Meets Requirement?]**

B. In the provided space labeled References, enter:

1. Title of document(s) that contain the information; **[Reference Title]**
2. The chapter/section, and page number(s) where the information is located within the document(s); **[Reference Chapter/Section/Page Number]**
3. The entity(ies) that prepared the document(s); **[Reference Author]**
4. The date the document(s) was prepared, and subsequent updates; and **[Reference Date]**
5. Where each document can be accessed (website address or attached). **[Reference URL]**

C. Mandatory Required Elements per California Water Code **[Mandatory?]**

Appendix B: Objectives Evaluation

Appendix B: Comparison of GMC IRWM Plan Objectives with SWRP Multi Benefit Categories

From Page 9 of the SWRP Guidelines, Multi-Benefit/Multiple Benefit Projects - storm water and dry weather runoff capture projects that provide more than one of the following benefits or meet more than one of the following objectives:

1. Creates and restores wetlands (Wat. Code, § 10561(g))
2. Riverside [riparian] habitats (Wat. Code, § 10561(g))
3. Instream flows (Wat. Code, § 10561(g))
4. Increase in park and recreation lands (Wat. Code, § 10561(g))
5. Urban green space (Wat. Code, § 10561(g))
6. Augments recreation opportunities for communities (Wat. Code, § 10561(h))
7. Increases tree canopy (Wat. Code, § 10561(h))
8. Reduces heat island effect (Wat. Code, § 10561(h))
9. Improves air quality (Wat. Code, § 10561(h)
10. Maximizes water quality (Wat. Code, § 10562(b)(2))
11. Maximizes water supply (Wat. Code, § 10562(b)(2))
12. Maximizes flood management (Wat. Code, § 10562(b)(2))
13. Maximizes environmental benefits (Wat. Code, § 10562(b)(2))
14. Maximizes other community benefits (Wat. Code, § 10562(b)(2))

IRWM Plan Objective	SWRP Benefit Category (Objectives)				
	Water Quality	**Water Supply**	**Flood Management**	**Environmental**	**Community**
IRWM Plan Goal: Improve water supply reliability and protect groundwater and surface water supplies.					
Optimize the use of groundwater storage with infrastructure enhancements and improved operational techniques.		**11**			
Increase and optimize water storage and conveyance capacity through construction, repair, replacement, and augmentation of infrastructure.		**11**			
Diversify water supply sources, including but not limited to the use of recycled water.		**11**			
Maximize water conservation programs.		**11**			
Capture and manage storm water runoff.	10	**11**			
Optimize conjunctive use where appropriate.		**11**			
Support research and monitoring to better understand identified water supply needs.		**11**			
Support the creation of water supply certainties for local production of agricultural products.					
Promote public education about water supply issues and needs.					**14**
Promote planning efforts to provide emergency drinking water to communities in the region in the event of a disaster.					
IRWM Plan Goal: Protect and improve surface, groundwater, estuarine, and coastal water quality, and ensure the provision of high-quality, potable, affordable drinking water for all communities in the region.					
Promote practices necessary to meet, or where practicable, exceed all applicable water quality regulatory standards (for drinking water, surface and groundwater quality).	**10**				
Promote projects to prevent seawater intrusion.				**10**	
Incorporate or promote principles of low impact development where feasible, appropriate, and cost effective.	**10**				
Protect surface waters and groundwater basins from contamination and the threat of contamination.	**10**	11			
Support research and pilot projects for the co-management of food safety and water quality protection.					
Improve septic systems, sewer system infrastructure, wastewater treatment systems, and manure management programs to prevent water quality contamination.			**12**		
Support research and other efforts on salinity management.					
Support monitoring to better understand major sources of erosion, and implement a comprehensive erosion control program.	10			**1; 2**	
Promote programs and projects to reduce the quantity and improve the quality of urban and agricultural runoff and/or mitigate their effects in surface waters, groundwater, and the marine environment.	**10**		12	1; 2; 13	
Promote regional monitoring and analysis to better understand water quality conditions.	**10**				

IRWM Plan Objective	SWRP Benefit Category (Objectives)				
	Water Quality	Water Supply	Flood Management	Environmental	Community
IRWM Plan Goal: Develop, fund, and implement integrated watershed approaches to flood management through collaborative and community supported processes.					
Promote projects and practices to protect infrastructure and property from flood damage.			**12**		
Improve flood management infrastructure and operational techniques/strategies.			**12**		
Implement flood management projects that provide multiple benefits such as public safety, habitat protection, recreation, agriculture, and economic development.			**12**	1; 2; 13	4; 6; 14
Develop and implement projects to protect, restore, and enhance the natural ecological and hydrological functions of rivers, creeks, streams, and their floodplains.			**12**	1; 2; 13	
Support research and monitoring efforts to understand the effects of flooding on transport and persistence of pathogens in food crop production areas.			**12**		
Support management of flood waters so that they do not contaminate fresh produce in the field.			**12**		
Promote public education about local flood management issues and needs.			**12**		14
IRWM Plan Goal: Protect, enhance, and restore the region's ecological resources while respecting the rights of private property owners.					
Support science-based projects to protect, improve, enhance, and/or restore the region's ecological resources, while providing opportunities for public access and recreation where appropriate.				**1; 2; 13**	4; 6; 14
Protect and enhance state and federally listed species and their habitats.				**1; 2; 13**	
Minimize adverse environmental impacts of water resource management projects.				**13**	
Support applied research and monitoring to better understand environmental conditions, environmental water needs, and the impacts of water-related projects on environmental resources.				**1; 2; 13**	
Implement fish-friendly stream and river corridor restoration projects.				**1; 2; 3; 13**	
Reduce adverse impacts of sedimentation into streams, particularly from roads and non-point sources.	10			**2; 3; 13**	
Promote efforts to prevent, control, reduce, and/or eradicate high priority invasive species.					
Promote native drought-tolerant plantings in municipal and residential landscaping.					
Consider opportunities to purchase fee title or conservation easements on lands from willing sellers that provide integrated water resource management benefits. Ensure adequate funding and infrastructure to manage properties and/or monitor easements.					**14**
Support research and monitoring efforts to understand the effects of wildfire events on water resources.					
IRWM Plan Goal: Promote regional communication, cooperation, and education regarding water resource management.					
Facilitate dialogue and reduce inconsistencies in water management strategies/regulations between local, regional, state, and federal entities.					**14**
Promote dialogue between federal and state regulators and small water system managers to facilitate water quality regulation compliance.	**10**				
Foster collaboration between regional entities to minimize and resolve potential conflicts and to obtain support for responsible water supply solutions and improved water quality.	**10**	**11**			**14**
Build relationships with federal, state, and local regulatory agencies and other water agencies to facilitate the permitting, planning, and implementation of water-related projects.					**14**
Increase stakeholder input and public education about the need, complexity, and cost of strategies, programs, plans, and projects to improve water supply, water quality, flood management, coastal conservation, and environmental protection.					**14**
IRWM Plan Goal: Ensure the provision of high-quality, potable, affordable water and healthy conditions for disadvantaged communities (DACs).					
Seek funding opportunities to ensure all communities have a water system with adequate, safe, high-quality drinking water	10	11			**14**
Seek funding opportunities to ensure all communities have adequate wastewater treatment.					**14**
Ensure that DACs are adequately protected from flooding and the impacts of poor surface and groundwater quality.	10		12		**14**
Provide support for the participation of DACs in the development, implementation, monitoring, and long-term maintenance of water resource management projects.					**14**
Promote public education in DACs about water resource protection, pollution prevention, conservation, water quality, and watershed health.	10			1; 2; 13	**14**

IRWM Plan Objective	SWRP Benefit Category (Objectives)				
	Water Quality	Water Supply	Flood Management	Environmental	Community
IRWM Plan Goal: Adapt the region's water management approach to deal with impacts of climate change using science-based approaches, and minimize the regional causal effects.					
Plan for potential impacts of future climate change.				**13**	
Support increased monitoring and research to obtain greater understanding of long-term impacts of climate change in the Greater Monterey County region.				**13**	
Support efforts to research alternative energy and to diversify energy sources appropriate for the region.				**13**	
Seek long-term solutions to reduce greenhouse gas (GHG) producing energy use.				**9; 13**	
Seek long-term solutions to maintain and protect existing pristine natural resources from the impacts of climate change.				**13**	
Support research and/or implementation of land-based efforts such as carbon-sequestration on working lands and wildlands in the Greater Monterey County region.				**13**	
Promote public education about impacts of climate change, particularly as it relates to water resource management in the Greater Monterey County region.				**13**	14

Appendix C: 303(d) List of Impaired Water Bodies

Appendix C: 303(d) List of Impaired Water Bodies in the Greater Salinas Area				
303(d) Listed Waterbody (a)	**Pollutant (a)**	**Potential Sources (a)**	**Regional Water Board TMDL Completion Year (a)**	**Applicable to Storm water? (b)**
Espinosa Slough	Ammonia (Unionized)	Agriculture	2013	Yes
	Diazinon	Agriculture	2013	Yes
	Nitrate	Agriculture	2013	Yes
	Pesticides	Agriculture, Urban Runoff/Storm Sewers	2013	Yes
	Priority Organics	Nonpoint Source	2013	Yes
	Sediment Toxicity	Agriculture	2013	Yes
	Turbidity	Agriculture	2013	Yes
	Unknown Toxicity	Agriculture	2013	Yes
	pH	Agriculture	2013	Yes
Natividad Creek	Ammonia (Unionized)	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
	Escherichia coli (E. coli)	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
	Low Dissolved Oxygen	Agriculture, Grazing- Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	Nitrate	Agriculture, Grazing- Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	Sediment Toxicity	Agriculture, Grazing- Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	Temperature, water	Agriculture, Grazing- Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	Turbidity	Agriculture, Grazing- Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	Unknown Toxicity	Agriculture, Grazing- Related Sources, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	pH	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
Merrit Ditch	Ammonia (Unionized)	Agriculture, Channelization, Removal of Riparian Vegetation, Source Unknown	2013	Yes

Appendix C: 303(d) List of Impaired Water Bodies in the Greater Salinas Area				
303(d) Listed Waterbody (a)	**Pollutant (a)**	**Potential Sources (a)**	**Regional Water Board TMDL Completion Year (a)**	**Applicable to Storm water? (b)**
	Low Dissolved Oxygen	Agriculture, Channelization, Removal of Riparian Vegetaion	2013	Yes
	Nitrate	Agriculture, Channelization, Removal of Riparian Vegetaion	2013	Yes
	Sediment Toxicity	Agriculture, Channelization, Removal of Riparian Vegetation, Source Unknown	2013	Yes
	Turbidity	Agriculture, Channelization, Removal of Riparian Vegetaion	2013	Yes
	Unknown Toxicity	Agriculture	2013	Yes
Old Salinas River	Chlorophyll-a	Agriculture, Dredging, Other Urban Runoff, Removal of Riparian Vegetation	2013	Yes
	Chlorpyrifos	Agriculture, Other Urban Runoff	2013	Yes
	Diazinon	Agriculture, Other Urban Runoff	2013	Yes
	Escherichia coli (E. coli)	Agriculture, Marianas and Recreational Boating, Natural Sources, Other Urban Runoff	2013	Yes
	Fecal Coliform	Agriculture, Marianas and Recreational Boating, Natural Sources, Other Urban Runoff	2013	Yes
	Low Dissolved Oxygen	Agriculture, Marinas and Recreational Boating, Other Urban Runoff, Removal of Riparian Vegetaion	2013	Yes
	Nitrate	Agriculture, Other Urban Runoff	2013	Yes
	Sediment Toxicity	Agriculture, Other Urban Runoff	2013	Yes
	Turbidity	Agriculture, Other Urban Runoff	2013	Yes
	Unknown Toxicity	Agriculture, Other Urban Runoff	2013	Yes
	pH	Agriculture, Other Urban Runoff	2013	Yes
Salinas Reclamation Canal	Ammonia (Unionized)	Agriculture, Grazing- Related Sources, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	Chlorpyrifos	Agriculture, Grazing- Related Sources, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes

Appendix C: 303(d) List of Impaired Water Bodies in the Greater Salinas Area				
303(d) Listed Waterbody (a)	Pollutant (a)	Potential Sources (a)	Regional Water Board TMDL Completion Year (a)	Applicable to Storm water? (b)
	Copper	Agriculture, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2018	Yes
	Diazinon	Agriculture, Grazing- Related Sources, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	Escherichia coli (E.coli)	Agriculture, Grazing- Related Sources, Natural Sources Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	Fecal Coliform	Agriculture, Grazing- Related Sources, Natural Sources Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	Low Dissolved Oxygen	Agriculture, Grazing- Related Sources, Removal of Riparian Vegetation, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	Nitrate	Agriculture, Urban Runoff/ Storm Sewers	2013	Yes
	Pesticides	Agriculture Return Flows, Agriculture, Agriculture- Irrigation Tailwater, Agriculture- Storm Runoff, Irrigated Crop Production, Minor Industrial Point Source, Nonpoint Source	2013	Yes
	Priority Organics	Agricultural Return Flows, Agriculture, Agriculture- Irrigation Tailwater, Agriculture- Storm Runoff, Irrigated Crop Production, Minor Industrial Point Source, Nonpoint Source, Source Unknown, Urban Runoff/ Storm Sewers	2013	Yes
	Sediment Toxicity	Agriculture, Grazing-Related Sources, Removal of Riparian Vegetation, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes

Appendix C: 303(d) List of Impaired Water Bodies in the Greater Salinas Area				
303(d) Listed Waterbody (a)	**Pollutant (a)**	**Potential Sources (a)**	**Regional Water Board TMDL Completion Year (a)**	**Applicable to Storm water? (b)**
	Turbidity	Agriculture, Grazing-Related Sources, Removal of Riparian Vegetaion, Urban Runoff-Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	Unknown Toxicity	Agriculture, Grazing- Related Sources, Removal of Riparian Vegetation, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
	pH	Agriculture, Grazing-Related Sources, Removal of Riparian Vegetation, Urban Runoff- Industrial Permitted, Urban Runoff- Non-industrial Permitted, Urban Runoff/ Storm Sewers	2013	Yes
Tembladero Slough	Chlorophyll-a	Agriculture, Grazing- Related Sources, Removal of Riparian Vegetation, Urban Runoff/ Storm Sewers	2013	Yes
	Chlorpyrifos	Agriculture, Grazing- Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Diazinon	Agriculture, Grazing-Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Enterococcus	Agriculture, Natural Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Escherichia coli (E. coli)	Agriculture, Grazing-Related Sources, Natural Runoff/ Storm Sewers	2013	Yes
	Fecal Coliform	Agriculture, Natural Sources, Pasture Grazing- Riparian and/or Upland, Urban Runoff/ Storm Sewers	2013	Yes
	Nitrate	Agriculture, Urban Runoff/ Storm Sewers	2013	Yes
	Nutrients	Agriculture Return Flows, Agriculture, Agriculture-Irrigation Tailwater, Agriculture- Storm Runoff, Irrigated Crop Production, Nonpoint Source	2013	Yes

Appendix C: 303(d) List of Impaired Water Bodies in the Greater Salinas Area				
303(d) Listed Waterbody (a)	**Pollutant (a)**	**Potential Sources (a)**	**Regional Water Board TMDL Completion Year (a)**	**Applicable to Storm water? (b)**
	Pesticides	Agriculture Return Flows, Agriculture, Agriculture- Storm Runoff, Irrigated Crop Production, Nonpoint Source	2013	Yes
	Sediment Toxicity	Agriculture, Grazing-Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Total Coliform	Agriculture, Grazing-Related Sources, Natural Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Turbidity	Agriculture, Grazing-Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Unknown Toxicity	Agriculture, Grazing-Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
	pH	Agriculture, Grazing-Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
Blanco Drain	Chlorpyrifos	Agriculture	2013	Yes
	Diazinon	Agriculture	2013	Yes
	Low Dissolved Oxygen	Agriculture, Groundwater Loadings	2013	Yes
	Nitrate	Agriculture, Groundwater Loadings	2013	Yes
	Pesticides	Agricultural Return Flows, Agriculture, Agriculture- Irrigation Tailwater, Agriculture- Storm Runoff, Irrigated Crop Production, Nonpoint Source	2013	Yes
	Turbidity	Agriculture, Removal of Riparian Vegetation	2013	Yes
Salinas River (lower, estuary to near Gonzales Rd crossing, watersheds 30910 and 30920)	Chlordane	Source Unknown	2013	Yes
	Chloride	Agriculture, Grazing-Related Sources, Natural Sources, Other Urban Runoff	2018	Yes
	Chlorpyrifos	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	DDD (dichlorodi-phenyldi-chloroethane)	Source Unknown	2013	Yes
	Diazinon	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	Dieldrin	Source Unknown	2013	Yes

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303(d) Listed Waterbody (a)	**Pollutant (a)**	**Potential Sources (a)**	**Regional Water Board TMDL Completion Year (a)**	**Applicable to Storm water? (b)**
	Electrical Conductivity	Source Unknown	2013	Yes
	Enterococ-cus	Agriculture, Grazing-Related Sources, Illegal Dumping, Natural Sources, Pasture Grazing- Riparian and/or Upland, transient Encampments, Urban Runoff/ Storm Sewers	2013	Yes
	Escherichia coli (E. coli)	Agriculture, Grazing- Related Sources, Illegal Dumping, Natural Sources, Pasture Grazing- Riparian and/or Upland, Transient Encampments, Urban Runoff/ Storm Sewers	2013	Yes
	Fecal Coliform	Agriculture, Grazing-Related Sources, Illegal Dumping, Natural Sources, Pasture Grazing- Riparian and/or Upland, Transient Encampments, Urban Runoff/ Storm Sewers	2013	Yes
	Nitrate	Agriculture, Grazing-Related Sources, Urban Runoff/ Storm Sewers	2013	Yes
	PCBs (Polychlori-nated Biphenyls)	Source Unknown	2013	Yes
	Pesticides	Agriculture, Construction/ Land Development, Point Source, Urban Runoff/ Storm Sewers	2013	Yes
	Sodium	Source Unknown	2018	Yes
	Total Dissolved Solids	Source Unknown	2018	Yes
	Toxaphene	Source Unknown	2013	Yes
	Turbidity	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	Unknown Toxicity	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	pH	Source Unknown	2013	Yes
Alisal Slough (Monterey County)	Low Dissolved Oxygen	Agriculture	2013	Yes
	Nitrate	Agriculture	2013	Yes
	Sediment Toxicity	Agriculture	2013	Yes

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303(d) Listed Waterbody (a)	**Pollutant (a)**	**Potential Sources (a)**	**Regional Water Board TMDL Completion Year (a)**	**Applicable to Storm water? (b)**
	Unknown Toxicity	Agriculture	2013	Yes
Gabilan Creek	Ammonia (Unionized)	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	Fecal Coliform	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	Nitrate	Agriculture, Grazing-Related Sources, Other Urban Runoff	2013	Yes
	Sediment Toxicity	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
	Turbidity	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
	Unknown Toxicity	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
	pH	Agriculture, Grazing- Related Sources, Other Urban Runoff	2013	Yes
Santa Rita Creek (Monterey County)	Ammonia (Unionized)	Agriculture, Other Urban Runoff	2013	Yes
	Escherichia coli (E.coli)	Agriculture, Natural Sources, Other Urban Runoff	2013	Yes
	Fecal Coliform	Agriculture, Natural Sources, Other Urban Runoff	2013	Yes
	Low Dissolved Oxygen	Source Unknown	2013	Yes
	Nitrate	Agriculture, Urban Runoff/ Storm Sewers	2013	Yes
	Sodium	Agriculture, Other Urban Runoff	2018	Yes
	Turbidity	Agriculture, Other Urban Runoff	2013	Yes
Alisal Creek (Monterey County)	Chlorophyll-a	Agriculture	2013	Yes
	Fecal Coliform	Agriculture, Natural Sources, Nonpoint Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Nitrate	Agriculture, Nonpoint Sources, Urban Runoff/ Storm Sewers	2013	Yes
	Sodium	Agriculture, Nonpoint Sources, Urban Runoff/ Storm Sewers	2018	Yes

(a) http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml, accessed October 26, 2016.

(b) Natural sources and those not included in MS4 or general statewide storm water permits are assumed not to be applicable to storm water discharges.

Appendix D: Applicable Active NPDES Permittees

Agency	Facility Name	Facility Address	Place/Project Type	Regulatory Measure Type	Order No.	WDID	NPDES No.
1515 Constitution LLC	Creekbridge Aprtments 2	1511 Constitution Blvd Salinas, Salinas, CA 93905	Construction - Residential	Storm water construction	2009-0009-DWQ	3 27C375787	CAS000002
Accu Chem Conversion Inc	Accu Chem Conversion	1111 Abbott Street, Salinas, CA 93901	Industrial - Railroads, Line-haul Op	Storm water industrial	2014-0057-DWQ	3 27I024005	CAS000001
Alisal Union School District	Alisal Union School District Transportation	427 Bardin Rd, Salinas, CA 93905	Industrial - School Buses	Storm water industrial	2014-0057-DWQ	3 27I017971	CAS000001
Alisal Union School District	Frank Paul Elementary School	1300 Rider Avenue, Salinas, CA 93905	Construction - Other: Elementary S	Storm water construction	2009-0009-DWQ	3 27C375374	CAS000002
Alisal Union School District	Monte Bella Elementary School	Tuscany Blvd & Freedom Pkwy, Salinas, CA 93950	Construction	Storm water construction	2009-0009-DWQ	3 27C354422	CAS000002
Amercian Bottling Co	Amercian Bottling Co	11205 Commercial Parkway, Castroville, CA 95012	Industrial - General Warehousing a	Storm water industrial	2014-0057-DWQ	3 27I026401	CAS000001
American Medical Response West	AMR Marina	4548 A St, Marina, CA 93933	Industrial - Local Passenger Transp	Storm water industrial	2014-0057-DWQ	3 27I022196	CAS000001
Americold	Americold	950 S Sanborn Road PO Box 1548, Salinas, CA 93902	Industrial - Refrigerated Warehous	Storm water industrial	2014-0057-DWQ	3 27I020262	CAS000001
Associated Tagline	Associated Tagline	1504 Hwy 183, Salinas, CA 93907	Industrial - Fertilizers, Mixing Only	Storm water industrial	2014-0057-DWQ	3 27I016529	CAS000001
Assured Aggregates	Assured Aggregates	520 Crazy Horse Canyon Rd A, Salinas, CA 93907	Industrial - Trucking, Except Local	Storm water industrial	2014-0057-DWQ	3 27I013685	CAS000001
BBS Inc	Industrial Facilities	851 Work Street, Salinas, CA 93901	Construction - Industrial	Storm water construction	2009-0009-DWQ	3 27C375822	CAS000002
Bakker Construction Inc	Tatums Garden	East Bernal Drive at Maryal Drive, Salinas, CA 93906	Construction - Other: Recreational	Storm water construction	2009-0009-DWQ	3 27C367493	CAS000002
Bin Doctor	Bin Doctor	1057 Pellet Avenue, Salinas, CA 93901	Industrial - General Warehousing a	No Exposure Certification	2014-0057-DWQ	3 27NEC002636	UNKNOWN
Ca Dept of Transportation District 5 SLO Caltrans	0A400 SB/SLO 33 Roadway Reconstruction/Rehat	CA	Other	Enrollee	99-06-DWQ	3-05CTC0A400	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	Salinas Route 101 Planting & Irrigation System	101 Freeway, Salinas, CA	Other	Enrollee	99-06-DWQ	3-05CTC0R2004	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	Shoulder Widening and Rumble Strip Installation	101 Highway, CA	Other	Enrollee	99-06-DWQ	3-05CTC0R7604	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	Pajaro Median Barrier	Route 1 Highway, CA	Other	Enrollee	99-06-DWQ	3-05CTC0Q6704	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	Inside Shoulder Widening and Rumble Strip	Highway 101 Highway, N/A, CA	Other	Enrollee	99-06-DWQ	3-05CTC0Q2001	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	Salinas Road/Highway 1 New Interchange	Salinas Rd. at Hwy 1 Highway, N/A, CA	Other	Enrollee	99-06-DWQ	3-05CTC315921	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	Airport Blvd Interchange East	Route 101, Salinas, CA	Other	Enrollee	99-06-DWQ	3-05CTC349501	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	49501 Salinas 68	CA	Other	Enrollee	99-06-DWQ	3-05CTC49501	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	47490 Salinas North Barrier	CA	Other	Enrollee	99-06-DWQ	3-05CTC47490	CAS000003
Ca Dept of Transportation District 5 SLO Caltrans	0E2411 Salinas Rehab	CA	Other	Enrollee	99-06-DWQ	3-05CTC0E2411	CAS000003
California American Water	TMMPWSP Monterey Pipeline	Hilby Ave and Yosemite Street Seaside to Sinex Ave Pac Gi	Construction - Below Ground	Storm water construction	2009-0009-DWQ	3 27C377500	CAS000002
California Department of Veterans Affairs	CALIFORNIA CENTRAL COAST VETERANS CEMETE	2900 Parker Flats Road, Seaside, CA 93955	Construction - Other: Cemetery	Storm water construction	2009-0009-DWQ	3 27C372239	CAS000002
California State University Monterey Bay	CSUMB Demo Ph1	100 Campus Drive, Seaside, CA 93955	Construction	Storm water construction	2009-0009-DWQ	3 27C376911	CAS000002
California State University Monterey Bay	CSUMB Demo Ph2	100 Campus Center, Seaside, CA 93955	Construction	Storm water construction	2009-0009-DWQ	3 27C377890	CAS000002
California State University Monterey Bay	8th Ave/Inter-Garrison Roundabout	8th Avenue @ Inter-Garrison Road 100 Campus Center, Se	Construction - Transportation	Storm water construction	2009-0009-DWQ	3 27C376835	CAS000002
Carmel Marina Corp	Carmel Marina Corp	11260 Commercial Pkwy, Castroville, CA 95012	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I017456	CAS000001
Carmel Marina Corp	Salinas Disposal and Transfer Station	1120 Madison Lane, Salinas, CA 93907	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I014754	CAS000001
Cemex Construction Materials	Cemex	2 Miles N of Marina Hwy 1, Marina, CA 93933	Industrial - Industrial Sand	Storm water industrial	2014-0057-DWQ	3 27I022391	CAS000001
City of Marina	Reservation Road Improvements	Reservation Road, Marina, CA 93933	Construction - Transportation	Storm water construction	2009-0009-DWQ	3 27C366781	CAS000002
City of Marina	Del Monte Blvd. and Beach Rd.	Del Monte Blvd. and Beach Rd., Marina, CA 93933	Construction	Storm water construction	2009-0009-DWQ	3 27W002890	CAS000002
City of Marina	Imjin Parkway Bike Lanes	Imjin Parkway from Imjin Rd from Reservation Rd, Marina	Construction - Transportation	Storm water construction	2009-0009-DWQ	3 27C370235	CAS000002
City of Marina	City of Marina	211 Hillcrest Avenue, CA 93933	Facility	Phase II Small MS4	2013-0001-DWQ	3 27M2000160	CAS000004
City of Salinas	Sanborn Road Elvee Drive Route 101 Improvemer	908 Elvee Drive, Salinas, CA 93901	Construction - Transportation	Storm water construction	2009-0009-DWQ	3 27C374348	CAS000002
Coca Cola Bottling Company of LA	BCI Coca Cola Bottling Company of LA	715 Vandenberg St, Salinas, CA 93905	Industrial - Trucking, Except Local	Storm water industrial	2014-0057-DWQ	3 27I019256	CAS000001
Cool Pacific Land Co	Cool Pacific	1160 Teruen Ave, Salinas, CA 93901	Industrial - Pesticides and Agricultu	Storm water industrial	2014-0057-DWQ	3 27I021204	CAS000001
County of Monterey Municipal Stormwater Permit	County of Monterey Municipal Stormwater Perm	168 West Alisal Street 2nd Floor, Salinas, CA 93901	Facility	Phase II Small MS4	2013-0001-DWQ	3 27M2000095	CAS000004
Cypress Marina Heights LP	Sea Haven	608 3rd Ave, Marina, CA 93933	Construction	Storm water construction	2009-0009-DWQ	3 27C331735	CAS000002
DArrigo Bros Co of California	DArrigo Bros Co of California	21777 Harris Rd, Salinas, CA 93908	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C371325	CAS000002
Dandy Cooling Co	Dandy Cooling Co	1252 Growers St, Salinas, CA 93901	Industrial - Local Trucking with Sto	No Exposure Certification	2014-0057-DWQ	3 27NEC002648	UNKNOWN
Discovery Charters	Discovery Charters	11020 Commercial Pkwy, Castroville, CA 95012	Industrial - Bus Charter Service, Ex	Storm water industrial	2014-0057-DWQ	3 27I010739	CAS000001
Don Chapin Co	Don Chapin Co	440 Crazy Horse Canyon Rd, Salinas, CA 93907	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I003610	CAS000001
Donald Chapin	Hidden Canyon Ranch Industrial Lot 2	560 Crazy Horse Canyon Road, Salinas, CA 93907	Construction - Industrial	Storm water construction	2009-0009-DWQ	3 27C369305	CAS000002
Drew Massa Cooling Inc	Drew Massa Cooling Inc	1370 Dayton Street, Salinas, CA 93901	Industrial - Refrigerated Warehous	No Exposure Certification	2014-0057-DWQ	3 27NEC002484	UNKNOWN
Excelligence Learning Corp	Excelligence Learning Corp	1353 Dayton Street Building B, Salinas, CA 93901	Industrial - Games, Toys, and Child	No Exposure Certification	2014-0057-DWQ	3 27NEC002486	UNKNOWN
Fed Ex Freight Salinas	FedEx Freight Salinas	670 Work St, Salinas, CA 93901	Industrial - Terminal and Joint Tern	Storm water industrial	2014-0057-DWQ	3 27I017541	CAS000001
Fort Ord Reuse Authority	General Jim Moore Phase 5 Eucalyptus Phase 2 Pa	General Jim Moore Blvd Eucalyptus Rd, Seaside, CA 93955	Construction	Storm water construction	2009-0009-DWQ	3 27C361618	CAS000002
Fresh Express Inc	Fresh Express Inc	900 E Blanco rd, Salinas, CA 93901	Industrial - Food Preparations, NEC	Storm water industrial	2014-0057-DWQ	3 27I026808	CAS000001
Georgia Pacific LLC	Georgia Pacific LLC	741 Vertin Ave, Salinas, CA 93901	Industrial - Packaging Paper and Pl	No Exposure Certification	2014-0057-DWQ	3 27NEC001505	UNKNOWN
Goodwill Central Coast	Moffett Street Warehouse	1566 Moffett Street, Salinas, CA 93906	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C377360	CAS000002
Granite Construction Coastal Region	Salinas Hot Mix Asphalt Plant	721 Work St, Salinas, CA 93901	Industrial - Asphalt Paving Mixture	Storm water industrial	2014-0057-DWQ	3 27I015659	CAS000001
Granite Rock Co	Castroville Reclaim Concrete	13570 Blackie Rd, Castroville, CA 95077	Industrial - Crushed and Broken Sto	Storm water industrial	2014-0057-DWQ	3 27I023913	CAS000001
Granite Rock Co	Granite Rock Co Salinas Concre	400 Work St, Salinas, CA 93901	Industrial - Ready-Mixed Concrete	Storm water industrial	2014-0057-DWQ	3 27I006078	CAS000001
GreenGate Fresh LLLP	GreenGate Fresh Salinas	1222 Merrill St, Salinas, CA 93901	Industrial - Food Preparations, NEC	Storm water industrial	2014-0057-DWQ	3 27I024447	CAS000001
Growers Ice Co	Growers Ice Co	1060 Growers St, Salinas, CA 93901	Industrial - Manufactured Ice	Storm water industrial	2014-0057-DWQ	3 27I003815	CAS000001
Haciendas 2 LP	The Haciendas Phase 2	44 Haciendas Place, Salinas, CA 93901	Construction - Below Ground, Wat	Storm water construction	2009-0009-DWQ	3 27C365826	CAS000002
Hamstra Builders Inc	VA DOD Outpatient Clinit	The Dunes on Monterey Bay Lots 23 33, Marina, CA 93933	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C369099	CAS000002
Hanbit Enterprises Inc dba Jack and the Beanstalk	Hanbit Enterprises Inc. dba Jack and the Beanstal	401 Victor Way Ste. 16, Salinas, CA 93907	Industrial - Food Preparations, NEC	No Exposure Certification	2014-0057-DWQ	3 27NEC002306	UNKNOWN

Agency	Facility Name	Facility Address	Place/Project Type	Regulatory Measure Type	Order No.	WDID	NPDES No.
Hartnell Community College	Hartnell Community College Science Center	411 Central Avenue 411 Central Avenue, Salinas, CA 9390	Construction - Other: Institutional,	Storm water construction	2009-0009-DWQ	3 27C370483	CAS000002
Hernando Calderon	Salinas Recycling Inc	316 Commission St, Salinas, CA 93901	Industrial - Scrap and Waste Mater	Storm water industrial	2014-0057-DWQ	3 27I024863	CAS000001
Housing Development Corp Monterey	Haciendas Phase IV	East Rossi Street and Bridge St, Salinas, CA 93901	Construction - Residential	Storm water construction	2009-0009-DWQ	3 27C372354	CAS000002
Imjin Office Park Partners	Imjin Office Park	NEC Imjin Pkwy & 2nd Ave, Marina, CA 93933	Construction - Commercial, Utility	Storm water construction	2009-0009-DWQ	3 27C350266	CAS000002
International Paper Salinas	International Paper Co	1345 Harkins Rd, Salinas, CA 93901	Industrial - Corrugated and Solid Fi	Storm water industrial	2014-0057-DWQ	3 27I021697	CAS000001
JR Simplot Company	JR Simplot Company	746 Vertin Avenue, Salinas, CA 93901	Industrial - Fertilizers, Mixing Only	No Exposure Certification	2014-0057-DWQ	3 27NEC002468	UNKNOWN
Johnson Johnson Edwards	Santa Clara Transfer Service	11080 Commercial Pkwy, Castroville, CA 95012	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I001788	CAS000001
Keith Day Company Inc	Gabilan Ag Services	14201 Del Monte Blvd, Marina, CA 93933	Industrial - Fertilizers, Mixing Only	Storm water industrial	2014-0057-DWQ	3 27I024217	CAS000001
Keith Day Company Inc	Keith Day Company Inc	1091 Madison Lane, Salinas, CA 93907	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I024222	CAS000001
Ken Slama	La Guardia	722 La Guardia St, Salinas, CA 93908	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C371883	CAS000002
Keurig Green Mountain	Keurig Green Mountain	14800 Commercial Parkway, Castroville, CA 95012	Industrial - Roasted Coffee	Storm water industrial	2014-0057-DWQ	3 27I025858	CAS000001
Lowes Home Centers LLC	Lowe's Salinas	SEC San Juan Grade and E Boronda Rd, Salinas, CA 93906	Construction	Storm water construction	2009-0009-DWQ	3 27C377199	CAS000002
MV Transportation Inc	MV Transportation Div 86	1375 Burton Ave, Salinas, CA 93901	Industrial - Local Passenger Transp	Storm water industrial	2014-0057-DWQ	3 27I023642	CAS000001
Mann Packing Co	Mann Packing Co Inc	1250 Hansen St, Salinas, CA 93901	Industrial - Pesticides and Agricultu	Storm water industrial	2014-0057-DWQ	3 27I020414	CAS000001
Marina RV II, LLC	Marina Dunes RV Park Expansion	3330 Dunes Dr, Marina, CA 93933	Construction - Commercial, Utility	Storm water construction	2009-0009-DWQ	3 27C351434	CAS000002
Monterey Cnty	855 E Laurel Facility	855 E Laurel Dr 299 Carmel Avenue #28, Salinas, CA 93905	Industrial - Terminal and Service Fa	Storm water industrial	2014-0057-DWQ	3 27I017898	CAS000001
Monterey Cnty	Monterey Cnty Lake San Antonio	168 W Alisal St 2nd Fl, Salinas, CA 93901	Industrial - Refuse Systems	Storm water industrial	2014-0057-DWQ	3 27I005646	CAS000001
Monterey Farms Inc	Monterey Farms Inc	1354 Dayton Street Suite H, Salinas, CA 93901	Industrial - Food Preparations, NEC	No Exposure Certification	2014-0057-DWQ	3 27NEC002538	UNKNOWN
Monterey Peninsula Unified School District	Marina High School	298 Patton Parkway 540 Canyon del Rey Suite #4, Marina,	Construction	Storm water construction	2009-0009-DWQ	3 27C368319	CAS000002
Monterey Regional Waste Management District	Monterey Reg Waste Mngt Dist	14201 Del Monte Blvd, Marina, CA 93933	Industrial - Refuse Systems	Storm water industrial	2014-0057-DWQ	3 27I005220	CAS000001
Monterey Salinas Transit	Monterey Salinas Transit	443 Victor Way, Salinas, CA 93907	Industrial - Local and Suburban Tra	Storm water industrial	2014-0057-DWQ	3 27I004247	CAS000001
Nielsen Trucking Co	Nielsen Trucking Co Union Pacific	242 W Lake St, Salinas, CA 93901	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I017167	CAS000001
North Monterey County Unified School District	North Monterey County Unified SD	17590 Pesante Rd 17590 Pesante Rd., Salinas, CA 93907	Industrial - School Buses	Storm water industrial	2014-0057-DWQ	3 27I017920	CAS000001
North Monterey County Unified School District	North Monterey County High School	13990 Castroville Blvd, Castroville, CA 95012	Construction	Storm water construction	2009-0009-DWQ	3 27C377413	CAS000002
Northridge Owner LP	JC Penny at Northridge Mall	100 Northridge Mall, Salinas, CA 93906	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C375551	CAS000002
Nunes Cooling Inc	Johnson Avenue Cooling Facility	930 Johnson Avenue, Salinas, CA 93901	Industrial - Refrigerated Warehous	Storm water industrial	2014-0057-DWQ	3 27I026730	CAS000001
Organic Girl LLC	Organic Girl LLC	900 Work St, Salinas, CA 93901	Industrial - Refrigerated Warehous	Storm water industrial	2014-0057-DWQ	3 27I026821	CAS000001
Pacific Gas and Electric Company	PG&E 2016 Gas Transmission Program Central Co	Old Stage Road to Natividad Road, Salinas, CA 93906	Construction	Storm water construction	2009-0009-DWQ	3 27C375911	CAS000002
Peninsula Auto Dismantlers Inc	Peninsula Auto Dismantlers	2590 El Camino Real N, Prunedale, CA 93907	Industrial - Motor Vehicle Parts, Us	Storm water industrial	2014-0057-DWQ	3 27I023275	CAS000001
Pick N Pull Auto Dismantlers	Pick-n-pull Salinas #45	20856 Spence Road, Salinas, CA 93908	Industrial - Motor Vehicle Parts, Us	Storm water industrial	2014-0057-DWQ	3 27I025199	CAS000001
Prunedale Ace Hardware	Prunedale Ace Hardware	8123 Prunedale North Road, Prunedale, CA 93907	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C377113	CAS000002
Quinn Co	Quinn Co	1300 Abbott St, Salinas, CA 93901	Industrial - Construction Machinery	Storm water industrial	2014-0057-DWQ	3 27I022742	CAS000001
Republic Services	Republic Services of Salinas	271 Rianda Street, Salinas, CA 93901	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I024621	CAS000001
Rolling Frito Lay Sales LP	Salinas Bin	1355 Burton Ave, Salinas, CA 93901	Industrial - Local Trucking with Sto	Storm water industrial	2014-0057-DWQ	3 27I023322	CAS000001
Ryder System Inc	Ryder Trucking Facility	1103 Terven Avenue, Salinas, CA 93901	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C377614	CAS000002
SALINAS VALLEY MEMORIAL HEALTHCARE SYSTEM	Salinas Valley Memorial Hospital	450 E Romie Ln, Salinas, CA 93901	Construction - Reconstruction, Util	Storm water construction	2009-0009-DWQ	3 27C355884	CAS000002
SGS Recycling Enterprises Inc	A S Metals	11340 Commercial Parkway, Castroville, CA 95012	Industrial - Scrap and Waste Mater	Storm water industrial	2014-0057-DWQ	3 27I024796	CAS000001
SKN Properties	Marina Office Building	2nd Avenue and General Stillwell, Marina, CA 93933	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C375471	CAS000002
SPRINGHILL SUITES BY MARRIOTT	Springhill Suites by Marriott	2nd Ave & 10th St, Marina, CA 93933	Construction - Commercial	Storm water construction	2009-0009-DWQ	3 27C371814	CAS000002
Salinas City	Salinas Municipal SW	200 Lincoln, Salinas, CA	MS4	NPDES Permit	R3-2012-0005	3 279906001	CA0049981
Salinas City	Salinas Municipal Airport	30 Mortensen Ave, Salinas, CA 93905	Industrial - Airports, Flying Fields, a	Storm water industrial	2014-0057-DWQ	3 27I004751	CAS000001
Salinas Real Property	Salinas Real Property	880 Airport Blvd, Salinas, CA 93901	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I001244	CAS000001
Salinas Tallow Co Inc	Salinas Tallow Co Inc	1 Work Cir, Salinas, CA 93901	Industrial - Animal and Marine Fats	Storm water industrial	2014-0057-DWQ	3 27I015984	CAS000001
Salinas Union High School District	Salinas Union High School District	13 Villa St, Salinas, CA 93901	Industrial - School Buses	Storm water industrial	2014-0057-DWQ	3 27I004493	CAS000001
Salinas Union High School District	New High School No 5	Rogge Road, Salinas, CA 93906	Construction - Other: School	Storm water construction	2009-0009-DWQ	3 27C376427	CAS000002
Salinas Valley Solid Waste Authotity	Sun Street Transfer Station	139 Sun St 131, Salinas, CA 93901	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I019152	CAS000001
Salinas Valley Solid Waste Authotity	Crazy Horse Sanitary Landfill Class III	350 Crazy Horse Canyon Rd, Salinas, CA 93907	Industrial - Local Trucking Without	Storm water industrial	2014-0057-DWQ	3 27I013453	CAS000001
Salinas Valley Wax Paper Co	Salinas Valley Wax Paper Co	111 Abbott St, Salinas, CA 93901	Industrial - Coated and Laminated	Storm water industrial	2014-0057-DWQ	3 27I013863	CAS000001
San Benito Supply	San Benito Supply	54 Summer St, Salinas, CA 95023	Industrial - Ready-Mixed Concrete	Storm water industrial	2014-0057-DWQ	3 27I024645	CAS000001
Shea Homes Limited Partnership	University Villages Phase 1B	2nd Ave Btw 9th & 10th St, Marina, CA 93933	Construction - Commercial, Reside	Storm water construction	2009-0009-DWQ	3 27C344659	CAS000002
Shea Homes Limited Partnership	University Village Phase 1C	Btwn Imjin Prkwy and 8th St Btwn 2nd Ave and 4th Ave, M	Construction - Reconstruction, Res	Storm water construction	2009-0009-DWQ	3 27C344980	CAS000002
Sinecure Wine LLC	Sinecure Wine LLC	3344 Paul Davis Dr #2, Marina, CA 93933	Industrial - Wines, Brandy, and Bra	No Exposure Certification	2014-0057-DWQ	3 27NEC001415	UNKNOWN
Soil Serv Inc John Pryor Co	Wilbur Ellis Company, LLC-Salinas	14271 1505 Abbott St 1427 Abbott St, Salinas, CA 93901	Industrial - Fertilizers, Mixing Only	Storm water industrial	2014-0057-DWQ	3 27I021213	CAS000001
Tanimura and Antle Fresh Foods Inc	Spreckels Industrial Park LLC	121 Spreckles Blvd 1 Harris Rd, Salinas, CA 93908	Industrial - Nonclassifiable Establis	Storm water industrial	2014-0057-DWQ	3 27I014263	CAS000001
Taylor Farms California Inc	Taylor Farms CA Inc	1207 Abbott St, Salinas, CA 93901	Industrial - Food Preparations, NEC	Storm water industrial	2014-0057-DWQ	3 27I017307	CAS000001
Taylor Farms California Inc	Taylor Farms California Inc	1400 Schilling Pl, Salinas, CA 93901	Industrial - Refrigerated Warehous	Storm water industrial	2014-0057-DWQ	3 27I021208	CAS000001
Thrust IV Services LLC	CreekBridge Apartments	Manchester Circle, Salinas, CA 93905	Construction - Residential	Storm water construction	2009-0009-DWQ	3 27C369847	CAS000002
UCP East Garrison LLC	East Garrison Fort Ord Tract Zero	Inter Garrison Rd and Reservation Rd, Fort Ord, CA 93933	Construction - Commercial, Utility:	Storm water construction	2009-0009-DWQ	3 27C356645	CAS000002

Agency	Facility Name	Facility Address	Place/Project Type	Regulatory Measure Type	Order No.	WDID	NPDES No.
United Parcel Service Freight	UPS Salinas CASLA	20760 Spence Rd, Salinas, CA 93908	Industrial - Trucking, Except Local	No Exposure Certification	2014-0057-DWQ	3 27NEC000331	UNKNOWN
United Parcel Service Oakland Hub	UPS Salinas Center CASAL	1139 Madison Lane, Salinas, CA 93901	Industrial - Courier Services Except	Storm water industrial	2014-0057-DWQ	3 27I026259	CAS000001
University Village Associates	University Village Apartments	corner of 2nd Ave and 9th Street, Marina, CA 93933	Construction - Residential	Storm water construction	2009-0009-DWQ	3 27C364919	CAS000002
Valley Pacific Petroleum	Valley Pacific Petroleum	1083 Madison Lane, Salinas, CA 93907	Industrial - Petroleum Bulk Station	Storm water industrial	2014-0057-DWQ	3 27I024064	CAS000001
WC Marina LLC	WC Marina	608 Third Ave, Marina, CA 93933	Construction	Storm water construction	2009-0009-DWQ	3 27C377405	CAS000002
Wesley N Janice M Callahan Trust	Callahan Apartments	1112 Del Monte Avenue, Salinas, CA 93905	Construction - Residential, Utility: S	Storm water construction	2009-0009-DWQ	3 27C362155	CAS000002
caltrans district 5	0F7004 Mon 68 Salinas River Bridge	Highway 68, Salinas, CA 93908	Facility	Caltrans Construction	2012-0011-DWQ	3 27C376080	CAS000003
caltrans district 5	1F7304 MON 156	Highway 156, Castroville, CA 95012	Facility	Caltrans Construction	2012-0011-DWQ	3 27C376985	CAS000003
Dynegy Moss Landing LLC	Moss Landing Power Plant	Hwy 1 and Dolan Rd, Moss Landing, CA 95039	Industrial - Electric Services	Storm water industrial	2014-0057-DWQ	3 27I021991	CAS000001
EJ Gallo Winery	Robert Talbott Winery	1380 River Road, Salinas, CA 93906	Industrial - Wines, Brandy, and Bra	Storm water industrial	2014-0057-DWQ	3 27I026142	CAS000001
Helena Chemical Company	Helena Chemical Company Salinas	22250 Somavia Road, Salinas, CA 93908	Industrial - Fertilizers, Mixing Only	Storm water industrial	2014-0057-DWQ	3 27I025352	CAS000001
Lhoist North America	Lhoist North America	11771 Old Stage Road, Salinas, CA 93908	Industrial - Lime	Storm water industrial	2014-0057-DWQ	3 27I013875	CAS000001
Moss Landing Cement Co	Moss Landing Cement Co	7697 Hwy 1 7697 Highway 1, Moss Landing, CA 95039	Industrial - Cement, Hydraulic	Storm water industrial	2014-0057-DWQ	3 27I022057	CAS000001
Moss Landing Commercial Park	Moss Landing Commercial Park	7697 Hwy 1, Moss Landing, CA 95039	Industrial - Special Warehousing ar	Storm water industrial	2014-0057-DWQ	3 27I022035	CAS000001
Moss Landing Marine	Moss Landing Marine	7501 Sandholdt Rd, Moss Landing, CA 95039	Industrial - Boat Building and Repa	Storm water industrial	2014-0057-DWQ	3 27I025816	CAS000001
Nestle Waters North America	ReadyRefresh by Nestle	21875 Rosehart Way, Salinas, CA 93908	Industrial - Local Trucking with Sto	Storm water industrial	2014-0057-DWQ	3 27I025633	CAS000001
Pacific Gas and Electric Company	Moss Landing BAAH	State Highway 1 at Dolan Road, Moss Landing, CA 95039	Construction - Above Ground	Storm water construction	2009-0009-DWQ	3 27C362148	CAS000002
Pick N Pull Auto Dismantlers	Pick-n-pull Moss Landing Premier #48	516A Dolan Rd, Moss Landing, CA 95039	Industrial - Motor Vehicle Parts, Us	Storm water industrial	2014-0057-DWQ	3 27I023349	CAS000001
Pick N Pull San Jose Auto Dismantler General Partn	Pick-n-pull Moss Landing #42	516 Dolan Rd B, Moss Landing, CA 95039	Industrial - Motor Vehicle Parts, Us	Storm water industrial	2014-0057-DWQ	3 27I010373	CAS000001

Appendix E: Response to Comments on the December 2016 Draft Greater Salinas Area Storm Water Resource Plan

Appendix E: Response to Comments on the December 2016 Draft Greater Salinas Area Storm Water Resource Plan

On December 14, 2016, the draft Greater Salinas Area Storm Water Resource Plan (SWRP) was distributed for review to the Greater Monterey County Integrated Regional Water Management Program (GMC IRWMP) Regional Water Management Group (RWMG) Meeting. Comments received are attached as Appendix D.1 and addressed below:

1. Jon Rohrbough, P.E., Water Resource Control Engineer, CWA Section 401 Water Quality Certification Unit, January 13, 2017

    a. Response 1: Many of the projects submitted have been awarded funding through the Proposition 1 Storm Water Grant Program (SWGP) Implementation Round 1. Those projects included in the Draft SWRP that have not received funding through the SWGP meet the definition for storm water projects according to the State Water Resources Control Board Storm Water Resource Plan Guidelines released December 15, 2015:

    Page 9: *Multi-Benefit / Multiple Benefit Projects – storm water and dry weather runoff capture projects that provide more than one of the following benefits or meet more than one of the following objectives:*

    - *Creates and restores wetlands (Wat. Code, § 10561(g))*
    - *Riverside [riparian] habitats (Wat. Code, § 10561(g))*
    - *Instream flows (Wat. Code, § 10561(g))*
    - *Increase in park and recreation lands (Wat. Code, § 10561(g))*
    - *Urban green space (Wat. Code, § 10561(g))*
    - *Augments recreation opportunities for communities (Wat. Code, § 10561(h))*
    - *Increases tree canopy (Wat. Code, § 10561(h))*
    - *Reduces heat island effect (Wat. Code, § 10561(h))*
    - *Improves air quality (Wat. Code, § 10561(h)*
    - *Maximizes water quality (Wat. Code, § 10562(b)(2))*
    - *Maximizes water supply (Wat. Code, § 10562(b)(2))*
    - *Maximizes flood management (Wat. Code, § 10562(b)(2))*
    - *Maximizes environmental benefits (Wat. Code, § 10562(b)(2))*
    - *Maximizes other community benefits (Wat. Code, § 10562(b)(2))*

    b. Response 2: This Greater Salinas Area SWRP will be used to develop the Greater Monterey County SWRP; at that time, the Greater Salinas Area SWRP projects will be refined, analyzed, and added to or removed from the Greater Monterey County SWRP depending on the “storm water projects” criteria used for the development of that SWRP. The comments received will be used in the discussion of Greater Monterey County SWRP storm water projects.

TO: Susan Robinson
Greater Monterey County Integrated Regional Water Management Program
Email: srobinsongs@frontier.com

FROM: Jon Rohrbough, P.E.
Water Resource Control Engineer
CWA Section 401 Water Quality Certification Unit
Email: Jon.Rohrbough@waterboards.ca.gov
Phone: (805) 549-3458

DATE: January 13, 2017

SUBJECT: COMMENTS ON REVISED DRAFT STORM WATER RESOURCE PLAN FOR THE GREATER SALINAS AREA

Thank you for the opportunity to comment on the December 9, 2016 Revised Draft Storm Water Resource Plan for the Greater Salinas Area (IRWM Plan). The IRWM Plan describes projects intended to manage stormwater to achieve multiple benefits, including water quality improvements, water supply reliability, flood management, and environmental benefits. The purpose of these comments is to provide feedback that could improve the IRWM Plan and help the Monterey Regional Water Pollution Control Agency develop a list of projects that address stormwater management objectives.

Please feel free to contact me if you would like to discuss any of these comments.

GENERAL COMMENTS

1. Many of the projects summarized in the IRWM Plan do not appear to be stormwater management projects. For instance, the Salinas River Flood Risk Reduction and Habitat Improvement Project involves vegetation and sediment management within the Salinas River and some of its tributaries. While nearly all flows in these waterbodies are the result of storm events, flow within waters of the State is not considered "stormwater." Rather, "stormwater" should be understood as runoff from storm events prior to discharge to waters of the State. How important is it that the projects in the IRWM Plan be stormwater management projects? Perhaps the goal and objectives of the IRWM Plan could be reframed to broaden the focus from stormwater management projects.

2. Many of the project summaries in the IRWM Plan do not include enough detail to show that that the proposed project is a stormwater management project, or how the proposed project would achieve multiple benefits involving water quality improvement, water supply reliability, flood management, and environmental benefits. Where these linkages exist, we recommend revising the IRWM Plan to demonstrate them more clearly.

SPECIFIC COMMENTS

1. Northern Gabilan Mountain Watershed Management Project. The IRWM Plan does not include enough detail to determine what is actually proposed. The summary states that the project will target watershed restoration by addressing impacts to watershed functions such as decreased infiltration to groundwater, emergence of invasive species, and degeneration of natural flows. Decreased infiltration and degeneration of natural flows may be related to stormwater management, but the linkage is unclear. Emergence of invasive species is even less likely to be related to stormwater management or to be improved through stormwater management activities. In addition, the nature of the proposed watershed restoration is unclear. If the project involves activities to treat, retain, and infiltrate stormwater runoff prior to discharge to waters of the State, we recommend stating this more clearly.

2. Water Quality Enhancement of Tembladero Slough Phase 2. The IRWM Plan does not include enough detail to determine what is actually proposed. The project summary states that the project involves construction of water quality/wetland management structures, but it is unclear whether these structures will be built within Tembladero Slough, or outside of Tembladero Slough to treat stormwater runoff before it enters the Slough. If the project involves activities to treat, retain, and infiltrate stormwater runoff prior to discharge to waters of the State, we recommend stating this more clearly.

3. Carr Lake Riparian Habitat Restoration Plan. It is unclear whether this is a stormwater management project or a riparian habitat restoration project. Stormwater management involves treating, retaining, and/or infiltrating stormwater runoff prior to discharge to waters of the State. Planting riparian vegetation can provide tremendous environmental and water quality benefits, but is not stormwater management. To the extent that the project involves activities to treat, retain, and infiltrate stormwater runoff prior to discharge to waters of the State, we recommend stating this more clearly.

4. Salinas River Flood Risk Reduction and Habitat Improvement Project. This project appears to be identical to the Salinas River Stream Maintenance Program that received Clean Water Act Section 401 Water Quality Certification from the Central Coast Regional Water Quality Control Board (Central Coast Water Board) in 2016. While the project provides reduced flood risk and achieves some environmental and water supply benefits, it is not a stormwater management project.

5. Salinas River Flood Risk Reduction Project. The nature of this project is unclear. It appears to involve preparation of NEPA/CEQA documents for the Since the Salinas River Flood Risk Reduction Project, except that the Salinas River Flood Risk Reduction Project is identical to the Salinas River Stream Maintenance Program, and the EIR for the Salinas River Stream Maintenance Program was certified in 2014.

6. Water Supply Reliability Project. Based on the information provided in the IRWM Plan, this does not appear to be a stormwater management project.

7. Blanco Drain Diversion Project and Storm Water Return Facilities Project. Blanco Drain and the Reclamation Ditch are waters of the State, and are identified in the Water Quality Control Plan for the Central Coastal Basin (Basin Plan). Therefore diverting flows from them to an infiltration facility could be a violation of the California Water Code and the Basin Plan. Has the Monterey Regional Water Pollution Control Agency discussed this issue with Central Coast Water Board staff? In addition, summer flows in both waterbodies would

consist entirely of agricultural tailwater rather than stormwater runoff. Therefore, while the projects would address water quality, these projects do not appear consistent with applicable regulations or the stated purpose of the IRWM Plan.

8. Salinas Multi-Benefit Floodplain Management Project. How does this project differ from the Salinas River Flood Risk Reduction Project and the Salinas River Stream Maintenance Program? According to the project summary, the project could be related to the long-term Salinas River management plan that the Monterey County Water Resource Agency is required to develop prior to extending the Salinas River Stream Maintenance Program past the current 10-year permit term. Therefore it may be useful to revise the IRWM Plan to clarify the differences between these programs. In addition, the project summary mentions constructing off-channel flood attenuation and storage areas. Will these areas be constructed to retain stormwater before it enters waters of the State, or to divert flood flows from the river to off-channel floodplain/detention facilities? The first would be a stormwater management project, while the second would not.

R:\RB3\Shared\401\Pre-Application Projects\Monterey\Pre-App 2017\GMC IRWM Plan.doc

Sachi Itagaki

From: Susan Robinson <srobinsongs@frontier.com>
Sent: Tuesday, January 17, 2017 9:41 AM
To: Jon@Waterboards Rohrbough
Cc: Greater Monterey County RWMG; Sachi Itagaki; Michael J. Goymerac; Jennifer Lau; Mike Godwin
Subject: Re: Greater Monterey County IRWM Regional Water Management Group - Meeting Notice and Agenda

Hello Jon,

I'm sorry you won't be able to join us for our meeting tomorrow. At this point we are mostly looking ahead to the next Storm Water Resource Plan that is being developed for our region - namely, the Greater Monterey County SWRP. The Greater Salinas Area SWRP, the plan under discussion now, represents a smaller geographic portion of the larger (Greater Monterey County) planning area, and was developed for the express purpose of enabling the City of Salinas and Monterey Regional Water Pollution Control Agency to apply for Round 1 Storm Water Implementation Grant funds. Your comments regarding what constitutes a "storm water management project" will help us define projects for this next planning process; and will likely prompt us to remove some of the projects from the Salinas SWRP project list. No anxiety on this end — your comments are very helpful.

Regarding the Blanco Drain Diversion Project and Storm Water Return Facilities Project, this project has just been awarded Storm Water Implementation Grant funds. I assume the project has already been vetted with the Central Coast Regional Board, but if it hasn't, then that will need to be discussed (asap).

Thanks again for your comments. They will definitely help us to develop a stronger SWRP for the region.

Best,
Susan

———

Susan Robinson
Program Director
Greater Monterey County Integrated Regional Water Management Program
srobinsongs@frontier.com
(802) 279-4615
www.greatermontereyirwmp.org

> On Jan 17, 2017, at 12:06 PM, Rohrbough, Jon@Waterboards <Jon.Rohrbough@waterboards.ca.gov> wrote:
>
> Hi, Susan:
>
> Thank you for the invitation to attend the RWMG's meeting tomorrow. I will not be able to attend the meeting, but perhaps I can help your discussion by providing a little more context for my comments.

First, you do not need my approval for the Storm Water Resources Plan for the Greater Salinas Area (Plan). I am not part of the grant approval team, nor am I currently part of the approval process for any of the projects identified in the draft Plan. (If any of the projects need permitting from the Central Coast Water Board because they involve construction in a water of the State, Central Coast Water Board staff will need to be involved.)

Second, I did not know that grant funding has already been awarded for many of the projects. I was under the impression that the RWMG is currently applying for stormwater grant funds, and therefore my only concern was to advise you that many of the projects do not appear to be stormwater projects, so that you could make any reasonable changes to improve the grant application's prospects. However, this concern is obviously moot. Therefore it may not matter any longer whether the projects are stormwater projects or not.

I hope this context serves to settle any anxiety my comments may have caused. If you would like further conversation about what constitutes a stormwater resource project, or any other comments in my letter, I am happy to speak with you. Michael Godwin, whom you know is an even better resource than I am for such conversations.

Sincerely,
-Jon

Jon Rohrbough, P.E.
Water Resource Control Engineer
Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401
(805) 549-3458

From: Susan Robinson [mailto:srobinsongs@frontier.com]
Sent: Sunday, January 15, 2017 7:14 AM
To: Greater Monterey County RWMG
Cc: SachiItagaki@kennedyjenks.com; Michael Goymerac; Jennifer Lau; Rohrbough, Jon@Waterboards; Godwin, Michael D.@Waterboards
Subject: Re: Greater Monterey County IRWM Regional Water Management Group - Meeting Notice and Agenda

Hi all,

We received just one comment letter on the draft Greater Salinas Area Storm Water Resource Plan, but the comments definitely warrant discussion. Please read the attached letter from Jon Rohrbough at the Central Coast Regional Board. Where Jon writes "IRWM Plan" he is referring to the draft Storm Water Resource Plan for the Greater Salinas Area. We should spend time discussing Jon's comments and determining if/how the SWRP project list should change as a result.

As we are about to begin development of the *Greater Monterey County* SWRP, I think a discussion regarding exactly what constitutes a "stormwater management project" is very timely, and a great way to launch the Greater Monterey County SWRP planning effort.

See meeting details below. Remember - this meeting will be a conference call.

Thanks,

Susan

On Jan 11, 2017, at 7:51 PM, Susan Robinson <srobinsongs@frontier.com> wrote:

Hello everyone,

The next RWMG meeting will be held next week on Wednesday, **January 18th.** We have so few agenda items that I think we can just have a conference call this month. See call-in information below. But - please do call in! We will be holding a vote on approving (or at least getting a verbal "thumbs up") on the Prop 1 DAC Involvement scope of work, budget, and schedule. And please do send me your comments on the draft Storm Water Resource Plan for the Greater Salinas Area by Friday. Thank you!

Details and agenda are below.

DATE: Wednesday, January 18, 2017
TIME: 1:30PM - 3:30PM
CALL-IN NUMBER: (866) 667-4205
PASSCODE: 1231265#

1. Brief Introductions.

2. Greater Salinas Area Storm Water Resource Plan: Sachi Itagaki of Kennedy/Jenks will address comments received on the Storm Water Resource Plan for the Greater Salinas Area.

3. DAC Involvement Grant Application: The DAC Involvement Subcommittee will present the scope of work, budget, and schedule for the Prop 1 DAC Involvement application, which the Central Coast IRWM Funding Area regions will be submitting to DWR most likely in early February. (I will probably send you the scope of work, budget, and schedule for review on Monday, prior to the meeting.) We will hold a vote (or get general approval) on the workplan, budget, and schedule at Wednesday's meeting.

4. Other Business.

I look forward to talking with you all next Wednesday!

My best,
Susan

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Susan Robinson
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