



# City of Chico Storm Water Resource Plan Detailed Report Outline



## EXECUTIVE SUMMARY

### ES 1.1 – CONCISE SUMMARY OF CHAPTER 1

### ES 1.2 – CONCISE SUMMARY OF CHAPTER 2

### ES 1.3 – CONCISE SUMMARY OF CHAPTER 3

### ES 1.4 – CONCISE SUMMARY OF CHAPTER 4

### ES 1.5 – CONCISE SUMMARY OF CHAPTER 5

### ES 1.6 – CONCISE SUMMARY OF CHAPTER 6

### ES 1.7 – CONCISE SUMMARY OF CHAPTER 7

## CHAPTER 1 – INTRODUCTION AND DESCRIPTION OF WATERSHEDS AND SUBWATERSHEDS

Chapter introduction.

### 1.1 INTRODUCTION

This section introduces the Storm Water Resource Plan (SWRP) document and explains what a SWRP is. This section will also identify the purpose and goals for the SWRP.

### 1.2 PLANNING AREA DESCRIPTION

This section will describe the watersheds and subwatersheds identified in the SWRP and present the Planning Area boundary and explain why the planning area was selected. The watershed and Planning Area designations will be related to the Integrated Regional Watershed Management (IRWM) Group. This section will also describe the land use types within the Planning Area, including residential, commercial, industrial, vacant, parks, open spaces, wetland, habitat, forest, agriculture, etc. (to the extent land use mapping is available).

- Table – Planning Area Data Summary (total area, land use types and areas)
- Figure – Planning Area Watersheds
- Figure – Planning Area Subwatersheds

### 1.3 WATERSHED AGENCIES

This section will present the various agencies within the Planning Area, including City of Chico, Butte County, Tehama County, Resource Conservation Districts, the California Water Service Company service area, the City sewer system service area, and other agencies with an expressed or potential interest in participating.

- Figure – Agencies, District, and Organizations

# Storm Water Resource Plan

## Detailed Report Outline



### 1.4 SURFACE WATER RESOURCES AND WATER QUALITY PRIORITIES

This section will present and describe the various surface water resources within the Planning Area. Surface water resources include creeks, lakes, ponds, detention basins storm drains, and to the extent mapping data is available, irrigation canals. This section will present and describe the various storm water-related permits, total maximum daily load requirements, and water quality impaired water bodies (303(d) list).

- Figure – Surface Water Resources
- Figure – Water Quality Priorities

### 1.5 GROUNDWATER RESOURCES

This section will present and describe the various groundwater resources within the Planning Area. Groundwater resources include groundwater basins, wells, and mapped recharge areas. This section will also summarize the status of the on-going Sustainable Groundwater Management Act (SGMA) planning, and how the SWRP and SGMA planning relate to each other.

- Figure – Groundwater Resources

### 1.6 WATER USES

This section will present and describe the various surface water and groundwater uses within the Planning Area, including potable water uses, irrigation water uses, etc. The potential for future recycled water will be discussed.

- Table – Surface Water Uses and Quantities
- Table – Groundwater Uses and Quantities

### 1.7 PUBLICLY OWNED LANDS

This section will present the publicly-owned lands within the Planning Area and identify the public agencies that own the lands.

- Table – Publicly Owned Land Types and Areas
- Figure – Publicly Owned Lands

### 1.8 NATURAL WATERSHED PROCESSES

This section will describe the natural watershed processes (historical and current), how these processes have been disrupted, and how they may be improved through project implementation.

# Storm Water Resource Plan

## Detailed Report Outline

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## CHAPTER 2 – ORGANIZATION, COORDINATION, COLLABORATION, AND PUBLIC INVOLVEMENT

Chapter introduction.

### 2.1 IDENTIFICATION AND SUMMARY OF PUBLIC ENGAGEMENT EFFORTS AND COMMUNITY PARTICIPATION IN SWRP DEVELOPMENT

This section will summarize the processes used to engage TAC members, stakeholders, and the public.

- Appendix: Stakeholder Outreach, Education, and Public Participation Plan

### 2.2 SWRP RELATED PUBLIC AGENCIES, ORGANIZATION, AND UTILITIES;

This section will list and briefly describe the public agencies, organizations, and utilities located within the Planning Area watersheds that could be involved in development of the SWRP.

### 2.3 TECHNICAL ADVISORY COMMITTEE (TAC)

This section will describe the process used to select the TAC members and the criteria to serve as a TAC member. This section will also describe the responsibilities and actions required of the TAC members.

- Table – Final TAC Membership
- Appendices: TAC Commitment Letters, TAC Meeting 1 Materials, TAC Meeting 2 Materials, TAC Meeting 3 Materials, TAC Meeting 4 Materials, and TAC Meeting 5 Materials.

### 2.4 STAKEHOLDERS AND PUBLIC

This section will list the stakeholders that were contacted and offered an opportunity to be involved in the SWRP development. It will identify the stakeholders that agreed to actively participate in the SWRP development. This section will describe the responsibilities of participating as a stakeholder/member of the public.

- Table – Stakeholder List and Status
- Appendices: Public/Stakeholder Meeting 1 Materials, Public/Stakeholder Meeting 2 Materials, Public/Stakeholder Meeting 3 Materials

### 2.5 NORTH SACRAMENTO VALLEY INTEGRATED REGIONAL WATER MANAGEMENT PLAN (NSV IRWMP, EXISTING PLANNING DOCUMENTS, ORDINANCES, AND PROGRAMS)

This section will describe the relationship between the SWRP and the North Sacramento Valley Integrated Watershed Management Plan (NSV IRWMP) and to other existing planning documents, ordinances, and programs of relevant agencies and organizations.



## CHAPTER 3 – DATA COLLECTION AND SUMMARY OF EXISTING DOCUMENTS

Chapter introduction.

### 3.1 EXISTING DOCUMENTS AND STUDIES

This section lists and briefly summarizes the existing documents and studies collected for the SWRP preparation.

### 3.2 GEOGRAPHICAL INFORMATION SYSTEM (GIS) MAPPING

This section lists and briefly summarizes the GIS mapping collected for the SWRP preparation.

## CHAPTER 4 – DATA COLLECTION AND SUMMARY OF EXISTING DOCUMENTS

Chapter introduction.

### 4.1 INITIAL PROJECTS

This section will document the initial projects with concise descriptions (about 3 to 4 sentences for each project). The origin of the project will be identified, such as “individual watershed resident”, Community Organization, City of Chico, Butte County, Tehama County, etc.

### 4.2 INITIAL PROJECT FEASIBILITY SCREENING

This section will describe the methodology used for the initial project screening and present which projects were eliminated from further evaluation and which projects were retained for further evaluation (eligible SWRP projects) and the reasoning why initial projects were eliminated or retained will be described.

- Figure – Map of Initial Projects and Project Types
- Table – Initial Project Screening and Results
- Figure – Map of Eligible SWRP Projects
- Appendix: Initial Project Screening Methodology Letter

## CHAPTER 5 – SWRP PROJECT EVALUATIONS QUANTITATIVE METHODS, AND PROJECT RANKING/PRIORITIZATION

Chapter introduction.

# Storm Water Resource Plan Detailed Report Outline



## 5.1 SWRP PROJECTS

This section will identify and describe the eligible projects (called the SWRP projects), including one page project summaries. The project summaries will include a narrative and a figure to schematically illustrate a project.

- Figure – Map of SWRP Projects and Project Types
- Appendix: SWRP Project Summary Pages

## 5.2 QUANTITATIVE METHODS EVALUATION

This section will present the following

1. Summary of the SWRP Project evaluation criteria
  2. Development of the criteria scores (CS)
  3. Development of the weighting values (WV)
  4. Calculation of the criteria weighted scores (CWS)
  5. Calculation of the total criteria weighted scores (TCWS)
  6. Ranking and Prioritizing of the SWRP projects based on the TCWS
- Table – Development of the CS
  - Table – Development of the WV
  - Table – Calculation of the CWS and TCWS (note, this table will be sorted based on the SWRP project ranking and prioritization)
  - Table – SWRP Project Capital Cost Estimates
  - Table – SWRP Project Annual O&M Cost Estimates
  - Figure – Map of the SWRP Projects showing project type and prioritization
  - Appendix: Water Quality and Multiple Benefits Technical Memorandum

## CHAPTER 6 – IMPLEMENTATION STRATEGY AND SCHEDULE

Chapter introduction.

### 6.1 CAPITAL FUNDING SOURCES

This section will summarize the available capital funding sources by agency. It will identify capital reserves currently available to fund SWRP Projects and anticipated future funding expected to be available on a yearly basis for the next 20 years.

- Table – Capital Funding Sources for 2018 through 2038

# Storm Water Resource Plan

## Detailed Report Outline

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### 6.2 OPERATIONS AND MAINTENANCE (O&M) FUNDING SOURCES

This section will summarize annual O&M funding available by agency for SWRP Projects and anticipated future funding expected to be available on a yearly basis for the next 20 years.

- Table – O&M Funding Sources for 2018 through 2038

### 6.3 ASSIGNMENT OF SWRP PROJECTS TO FUNDING AGENCIES AND ORGANIZATIONS

This section will assign each SWRP project to a funding agency or organization.

- Table – SWRP Project Funding Agencies or organizations
- Figure – Map showing the SWRP projects by funding agency and organization

### 6.4 SWRP PROJECT IMPLEMENTATION SCHEDULE

This section will develop the SWRP project implementation schedule by funding agency and organization. The schedule will compare the available capital and O&M funding sources with the estimated SWRP Project capital costs and O&M costs. The implementation schedule will ensure that projects are not scheduled before capital funds are available and that the cumulative estimated O&M costs do not exceed the available O&M funds.

- Table – Annual schedule of SWRP Project implementation by funding agency and organization
- Figure – Map showing the schedule of SWRP Project Implementation by year and by agency and organization.

### 6.5 IMPLEMENTATION PLAN

For each project, this section will describe the schedule of community outreach, engineering, planning, design, permitting, and construction.

- Table (one for each SWRP Project) – Project implementation plan

### 6.6 MISCELLANEOUS ITEMS

This section will present:

1. Required decision support tools
2. Interdependencies between projects
3. Adaptive Management Plan
4. Implementation Performance Measures

# Storm Water Resource Plan Detailed Report Outline

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## CHAPTER 7 – STANDARD PROVISIONS

Chapter introduction.

### 7.1 CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

This section will describe how this standard provision has been met.

### 7.2 CONSISTENCY WITH WATER QUALITY CONTROL PLANS, APPLICABLE WATER QUALITY CONTROL POLICIES, AND WATER RIGHTS (WATER QUALITY COMPLIANCE)

This section will describe how this standard provision has been met.

### 7.3 SUBMISSION TO ENTITIES OVERSEEING INTEGRATED REGIONAL WATER MANAGEMENT PLANS AND OTHER LOCAL PLANS

This section will describe how this standard provision has been met.

### 7.4 CONSISTENCY WITH APPLICABLE PERMITS

This section will describe how this standard provision has been met.

### 7.5 CONSISTENCY WITH CALIFORNIA HEALTH AND SAFETY CODE – PEST AND MOSQUITO ABATEMENT

This section will describe how this standard provision has been met.

### 7.6 MODIFICATION OF A RIVER OR STREAM CHANNEL

This section will describe how this standard provision has been met.

### 7.7 MONITORING

This section will describe how this standard provision has been met.

## CHAPTER 8 – SWRP CHECKLIST AND SELF- CERTIFICATION

This chapter will present the completed SWRP Checklist and Self-Certification.