

Salt and Nutrient Management Plan Santa Clara River Valley East Subbasin

Regional Water Quality Control Board
Workshop December 4, 2014



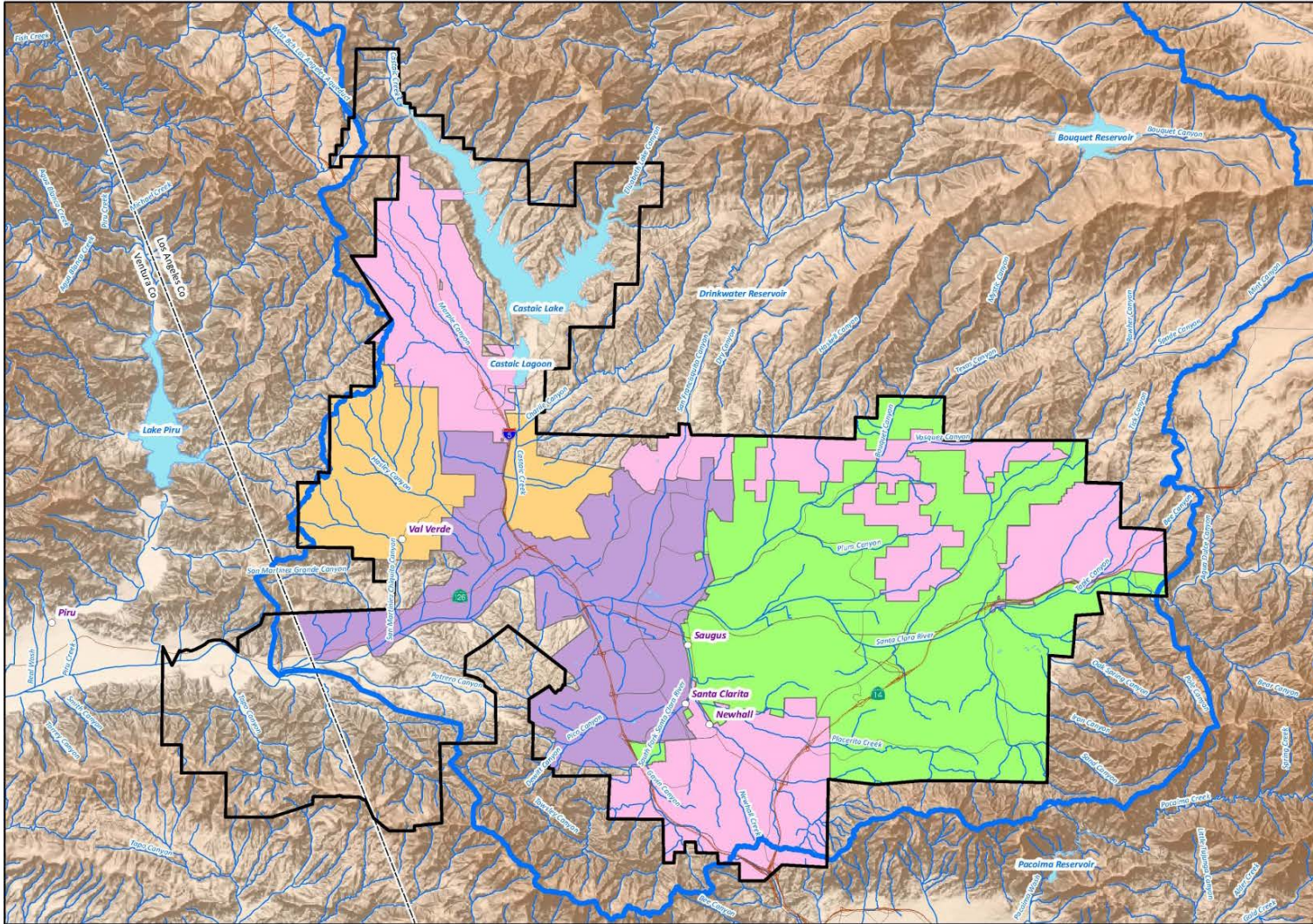
UPPER SANTA CLARA RIVER
Integrated Regional Water Management



Upper Santa Clara River Region

UPPER SANTA CLARA RIVER INTEGRATED REGIONAL WATER MANAGEMENT GROUP

SALT AND NUTRIENT MANAGEMENT PLAN
SANTA CLARA RIVER VALLEY EAST SUBBASIN



**CASTAIC LAKE
WATER AGENCY
SERVICE AREA
AND OTHER
WATER PURVEYORS**

EXPLANATION

-  Castaic Lake Water Agency Boundary
-  Santa Clara River East Subbasin Watershed
-  LA County Waterworks District No. 36 - Val Verde Boundary
-  Newhall County Water District Boundary
-  Santa Clarita Water Division Boundary
-  Valencia Water Company Boundary

DRAFT

California County Inset



15-Oct-12

Prepared by: DWB. Map Projection: UTM 1927, Zone 11.

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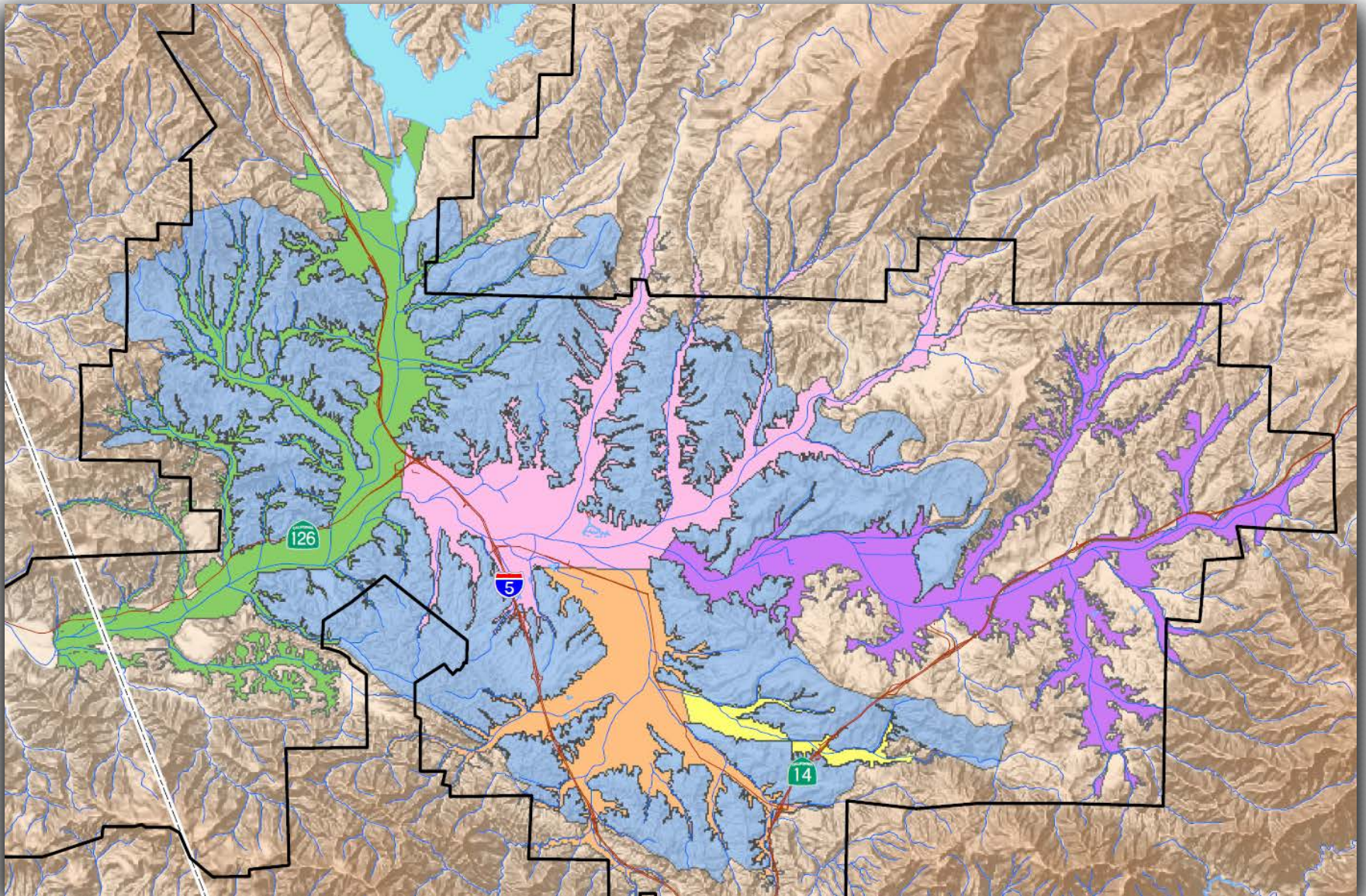


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Figure 1

USCR Groundwater Subunits



Development Steps

- SNMP Task Force started meeting Oct 2011
- Collect and synthesize data
- Determine ambient water quality
- Determine and quantify sources of salts and nutrients
- Review existing East Subbasin water quality monitoring efforts
- Develop basin wide salt and nutrient monitoring program
- Meet with RWQCB staff to review draft plan
- Develop salt and nutrient management strategies
- Prepare anti-degradation analysis
- Prepare implementation plan for salt and nutrient management

Salt and Nutrient Management Plan Report Sections

Section 1 – Introduction

Section 2 - Overview of the Study Area

Section 3 - Geology

Section 4 - Geohydrology

Section 5 - Water Quality

Section 6 - Basin Evaluation

Section 7 - Basin management Plan Elements

Section 8 - CEQA Analysis

Section 9 - Anti-Degradation Analysis

Section 10 - Plan Implementation



In Final Preparation

Implementation Programs

- New IRWMP Projects
 - City of Santa Clarita Septic to Sewer Retrofit Project
 - Santa Clarita Valley Sanitation District's Automatic Water Softener Rebate and Public Outreach Program
 - Santa Clarita Valley Sanitation District's Saugus and Valencia WRP Ultraviolet Light Disinfection Facility
 - Castaic Lake Water Agency's (CLWA's) West Saugus Formation Groundwater Resources Monitoring Project (perchlorate)
 - Santa Clarita Water District and CLWA Water Use Efficiency Programs
 - NCWD Vista Canyon Water Reclamation Plant
 - CLWA Recycled Water Master Plan

Potential Implementation Measures

- Septic system conversion program to provide connections to sewers
- RO treatment to remove salts from wastewater effluent
- Treatment to remove salts from groundwater supplies
- Capture and recharge of stormwater
- City of Santa Clarita and County of Los Angeles Low Impact Development projects
- Groundwater pumping redistribution
- Aquifer Storage and Recovery
- Groundwater recharge with advanced treated recycled water
- Construction of recharge basins
- Groundwater recharge with blend of sources