

# Table of Contents

chapter/section	page
<b>VOLUME 1</b>	
<b>1 Introduction</b>	
1.1	Type, Purpose, and Use of This Environmental Impact Report ..... 1-1
1.2	EIR Focus..... 1-3
1.3	Responsible Agencies That May Use This EIR ..... 1-4
1.4	Public Review Process..... 1-4
1.5	Terminology Used in This EIR..... 1-5
1.6	EIR Organization..... 1-6
<b>2 Summary</b>	
2.1	Introduction..... 2-1
2.2	Summary of the 2002 Zone 40 Water Supply Master Plan ..... 2-3
2.3	Alternatives to the Project..... 2-4
2.4	Impacts, Environmental Mitigation Guidelines, and Level of Significance ..... 2-8
<b>3 Project Description</b>	
3.1	Environmental Setting..... 3-1
3.2	Project Location ..... 3-1
3.3	Project Background ..... 3-5
3.4	Project Objectives..... 3-7
3.5	Project Characteristics ..... 3-8
3.6	Intended Uses of This EIR..... 3-21
<b>4 Environmental Impact Analysis</b>	
4.1	Land Use and Growth-Inducing Impacts ..... 4.1-1
4.2	Aesthetics..... 4.2-1
4.3	Air Quality..... 4.3-1
4.4	Noise ..... 4.4-1
4.5	Transportation..... 4.5-1
4.6	Biological Resources ..... 4.6-1
4.7	Water Resources ..... 4.7-1
4.8	Cultural Resources..... 4.8-1
4.9	Geology and Soils..... 4.9-1
4.10	Public Health and Safety ..... 4.10-1
4.11	Public Services and Utilities..... 4.11-1
<b>5 Cumulative Impacts</b>	
5.1	Introduction to the Cumulative Impacts Analysis ..... 5-1
5.2	Cumulative Impacts..... 5-4
5.3	Environmental Mitigation Guidelines for Cumulative Impacts and Level of Significance after Mitigation .....5-10

## Table of Contents *(continued)*

chapter/section	page
<b>6 Significant and Unavoidable Adverse Impacts</b> .....	6-1
<b>7 Alternatives</b>	
7.1 Introduction to Alternatives Analysis .....	7-1
7.2 No-Project Alternative .....	7-3
7.3 Increased Water Recycling Alternative .....	7-6
7.4 Maximized Use of Remediated Water Alternative.....	7-10
7.5 Environmentally Superior Alternative .....	7-14
7.6 Alternatives Previously Considered but Rejected .....	7-15
<b>8 Report Preparation</b> .....	8-1
<b>9 References</b>	
9.1 Printed References.....	9-1
9.2 Personal Communications .....	9-7

### Tables

2-1 Summary of Project Impacts and Mitigation .....	2-12
3-1 Zone 40 Existing Water Demands.....	3-10
3-2 Zone 40 Future Water Demands.....	3-12
3-3 Total Surface Water Supply Sources for Use in Zone 40 .....	3-13
4.1-1 County Land Use Designations within the 2030 Study Area.....	4.1-10
4.1-2 FMMP Designations within the 2030 Study Area .....	4.1-11
4.1-3 Sacramento County General Plan Land Use Policies .....	4.1-13
4.3-1 Ambient Air Quality Standards .....	4.3-3
4.3-2 Summary of Annual Air Quality Data .....	4.3-4
4.3-3 Attainment Status Designations - Sacramento Valley Air Basin .....	4.3-5
4.4-1 Sacramento County Noise Level Performance Standards for Residential Areas Affected by Non-transportation Noise .....	4.4-2
4.4-2 Sacramento County Noise Ordinance Standards .....	4.4-2
4.4-3 Noise Levels Generated by Typical Construction Equipment.....	4.4-3
4.5-1 Zone 40 Roadways and Existing Traffic Volumes .....	4.5-1

## Table of Contents *(continued)*

chapter/section	page
4.6-1 Habitat Types in the 2030 Study Area .....	4.6-2
4.6-2 Special-Status Species Potentially Occurring in the Vicinity of Zone 40 .....	4.6-6
4.6-3 Habitat Acres in 2030 Study Area .....	4.6-23
4.6-4 Sacramento County General Plan Biological Resources Policies.....	4.6-26
4.7-1 Zone 40 Land Use 2000 Baseline Condition.....	4.7-8
4.7-2 Summary of Hydrologic Impacts of the Alternatives.....	4.7-20
4.10-1 Summary of Hazardous Materials Regulatory Authority .....	4.10-2
7-1 Comparative Matrix of CEQA Alternatives (2030 Planning Horizon) .....	7-2

### **Exhibits**

3-1 Regional Location .....	3-2
3-2 Incorporated Cities in the Vicinity of the Study Area .....	3-3
3-3 2030 Study Area.....	3-4
3-4 General Areas of Potential Project Disturbance .....	3-9
3-5 Water Demand Projection over Planning Period .....	3-11
3-6 Sacramento County Groundwater Basins .....	3-15
3-7 Freeport Regional Water Project Option.....	3-17
3-8 SCWA Freeport Option .....	3-18
3-9 SCWA/City of Sacramento Joint Project Option .....	3-20
4.1-1 Zone 40 .....	4.1-3
4.1-2 Land Use Classifications in the Study Area.....	4.1-16
4.1-3 Important Farmland.....	4.1-16
4.1-4 Specific and Community Plans in the 2030 Study Area.....	4.1-22
4.5-1 Roadways in the Vicinity of the Zone 40 2030 Study Area.....	4.5-2
4.6-1 Habitat Types in Zone 40 .....	4.6-3
4.6-2 California Natural Diversity Database Special-Status Plant Occurrences.....	4.6-9
4.6-3 California Natural Diversity Database Special-Status Animal Occurrences .....	4.6-13
4.6-4 Conservation Areas in the Vicinity of the 2030 Study Area.....	4.6-18
4.6-5 South Sacramento Habitat Conservation Plan Project Boundary .....	4.6-21
4.7-1 Groundwater Elevation Contour, Spring 2000.....	4.7-5
4.7-2 Sacramento County IGSM of Groundwater Subregions .....	4.7-7

## Table of Contents *(continued)*

chapter/section	page
4.7-3 Year 2000 General Land Use .....	4.7-9
4.7-4 Year 2000 Crop Distribution.....	4.7-10
4.7-5 Modeled Baseline 2000 Groundwater Levels .....	4.7-16
4.7-6 Selected Hydrograph Locations.....	4.7-19
4.7-7a Groundwater Hydrograph at Sunrise Area (Location I) for Zone 40 Groundwater Pumping Distribution Alternatives.....	4.7-21
4.7-7b Groundwater Hydrograph at Central Area Groundwater Depression (Location K) for Zone 40 Groundwater Pumping Distribution Alternatives .....	4.7-22
4.7-7c Groundwater Hydrograph at Middle of Cosumnes River (Location U) for Zone 40 Groundwater Pumping Distribution Alternatives.....	4.7-23
4.7-8 Groundwater Hydrograph at Central Area Groundwater Depression (Location O) for Alternatives 4A, 4B, 2B, and 2C Conditions.....	4.7-32
4.7-9 Groundwater Hydrograph at Central Area Groundwater Depression (Location O) for 2030 Baseline, Alternative 2A, and Alternative 3 Conditions...	4.7-33
4.7-10 Simulated Cosumnes River Average Flow near Folsom South Canal Crossing ..	4.7-35
4.7-11 Stream Hydrograph at Cosumnes River near Folsom South Canal (Location S4) for 2000 and 2030 Baseline and Alternatives 2A, 2B, 2C, and 3 Conditions .....	4.7-37
4.7-12 Stream Hydrograph at Cosumnes River near State Route 99 (Location S5) for 2000 and 2030 Baseline and Alternatives 2A, 2B, 2C, and 3 Conditions.....	4.7-38
4.7-13 Stream Hydrograph at Cosumnes River near Twin Cities Road (Location S6) for 2000 and 2030 Baseline and Alternatives 2A, 2B, 2C, and 3 Conditions .....	4.7-39

### VOLUME 2 (CD ROM ATTACHED)

#### Appendices

- A Zone 40 Water Supply Master Plan (December 2002)
- B NOP and Comments Received on the NOP
- C Air Quality Background Information
- D Noise Scales/Measurement Definitions
- E Biological Opinion for Public Law 101-514 and Status of Implementation of  
Conditions Identified in the Biological Opinion
- F Hydrologic and Modeling Analysis for Zone 40 Water Supply Master Plan
- G Agreements between Sacramento County, the Sacramento County Water Agency,  
and Aerojet/Boeing (McDonnell Douglas Corporation) with Respect to Groundwater  
and Related Issues within the Eastern Portion of Sacramento County