

TABLE OF CONTENTS

Section	Page
1 INTRODUCTION	1-1
1.1 Background and Purpose of the Recirculated Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement	1-1
1.2 Content of the Recirculated DEIR/Supplemental DEIS	1-3
1.3 Relationship to the DEIR/DEIS	1-4
3.5 UTILITIES AND SERVICES SYSTEMS—WATER SUPPLY	3.5-1
3.5.1 Affected Environment	3.5-1
3.5.2 Regulatory Framework.....	3.5-30
3.5.3 Thresholds of Significance.....	3.5-31
3.5.4 Analysis Methodology	3.5-32
3.5.5 Impact Analysis and Mitigation Measures	3.5-33
3.5.6 Residual Significant Impacts.....	3.5-95
3.10 BIOLOGICAL RESOURCES	3.10-1
3.10.1 Affected Environment	3.10-1
3.10.2 Regulatory Framework.....	3.10-17
3.10.3 Environmental Consequences	3.10-21
3.10.4 Residual Significant Impacts.....	3.10-72
5 REFERENCES AND ORGANIZATIONS AND PERSONS CONSULTED	5-1
6 REPORT PREPARERS	6-1
7 INDEX	7-1

Appendices

- N** Project Consistency with City of Rancho Cordova General Plan Utilities and Services Systems Policies That Relate to Water Supply
- O** Air Quality Modeling Golden State Water Company Pipeline
- P** Project Consistency with City of Rancho Cordova Biological Resources Policies
- Q** Draft Wetland Mitigation Monitoring Plan
- R** Draft Valley Elderberry Longhorn Beetle Mitigation Plan

Exhibits	Page
3.5-1 Proposed GSWC Water Line and Booster Pump Station.....	3.5-43
2-9a On-Site Water Supply Facilities.....	3.5-69
2-9b Off-Site Water Supply Facilities, Full Project Build-out.....	3.5-75
2-9c Off-Site Water Supply Facilities, Phase 1.....	3.5-77
3.5-2 Rio del Oro Nonpotable-Water System.....	3.5-86
3.10-1 Habitat Types at the Rio del Oro Project Site.....	3.10-3
3.10-2 CNDDDB Special-Status Wildlife Occurrences.....	3.10-15
3.10-3 Proposed Preserves at the Rio del Oro Project Site.....	3.10-23
3.10-4 Drainage Flows from Rancho Cordova Parkway.....	3.10-29
3.10-5 Drainage to Water Quality Basin at Americanos Boulevard.....	3.10-31
3.10-6 Projects in the Vicinity of Rio del Oro.....	3.10-70

Table

ES-1 Summary of the Program and Project Level (Phase 1) Impacts and Mitigation Measures Proposed Project and Alternatives under Consideration.....	1-6
3.5-1 Current and Projected Water Demands for SCWA Zone 40.....	3.5-8
3.5-2 Water Supplies for SCWA Zone 401.....	3.5-9
3.5-3 Existing and Proposed Supplies of Surface Water for SCWA Zone 40.....	3.5-10
3.5-4 Existing and Projected Average Groundwater Supply in Zone 40.....	3.5-12
3.5-5 Past, Current, and Projected Water Demands for GSWC’s Cordova System.....	3.5-20
3.5-6 Sources of Current and Future Water Supplies for GSWC’s Cordova System.....	3.5-21
3.5-7 Projected Groundwater Pumping Volumes in GSWC’s Cordova System.....	3.5-22
3.5-8 Water Demands for Rio del Oro Phase 1A.....	3.5-34
3.5-9 GSWC’s Available Water Supply Compared to Water Demand Associated with the Phase 1A Tentative Map.....	3.5-35
3.5-10 Water Demands for Rio del Oro Remaining Phase 1 Development.....	3.5-38
3.5-11 GSWC’s Options A and B Water Supply Compared to Water Demand Associated with the Remaining Phase 1 Development.....	3.5-39
3.5-12 Summary of Modeled Worst-Case Temporary, Short-Term Emissions Generated Daily by the Project during Construction.....	3.5-44
3.5-13 Summary of Program Level Land Use and Water Demands—Proposed Project Alternative.....	3.5-59
3.5-14 Summary of Program Level Land Use and Water Demands—High Density Alternative.....	3.5-59
3.5-15 Summary of Program Level Land Use and Water Demands—Impact Minimization Alternative.....	3.5-60
3.5-16 Summary of Program Level Land Use and Water Demands—No Federal Action Alternative.....	3.5-60

3.5-17	Reliability of SCWA Zone 40 Water Supplies for 2030	3.5-61
3.5-18	Normal-Year Comparison of Water Supply and Demand.....	3.5-62
3.5-19	Dry-Year Comparison of Water Supply and Demand.....	3.5-62
3.5-20	Summary of Program Level Land Uses and Demands for Nonpotable Water— Proposed Project Alternative	3.5-83
3.5-21	Summary of Program Level Land Uses and Demands for Nonpotable Water— High Density Alternative.....	3.5-83
3.5-22	Summary of Program Level Land Uses and Demands for Nonpotable Water— Impact Minimization Alternative	3.5-84
3.5-23	Summary of Program Level Land Uses and Demands for Nonpotable Water— No Federal Action Alternative	3.5-84
3.10-1	Special-Status Plant Species Known to Occur or with Potential to Occur on the Project Site	3.10-8
3.10-2	Special-Status Wildlife Species Known to Occur or with Potential to Occur on the Project Site	3.10-10
3.10-3	Summary of Wetland Impacts and Proposed Mitigation Acreage	3.10-34
3.10-4	Wetlands at Projects in the Vicinity of Rio del Oro	3.10-69
3.10-5	Acreage of Potential Special-Status Species Habitats that Could be Directly Affected by the City of Rancho Cordova General Plan Land Use and that also Occur at the Project Site.....	3.10-72

ACRONYMS AND ABBREVIATIONS

2006 DEIR/DEIS	<i>Rio del Oro Specific Plan Project Draft Environmental Impact Report/Draft Environmental Impact Statement</i>
Aerojet	Aerojet General Corporation
Aerojet-County Agreement	<i>Agreement Between Sacramento County, The Sacramento County Water Agency, and Aerojet General Corporation with Respect to Groundwater and Related Issues within the Eastern Portion of Sacramento County</i>
af	acre-feet
afy	acre-feet per year
BACT	best available control technology
BMP	best management practices
BO	biological opinions
Cal-Am	Cal-American Water Company
CALVIN	California Value Integrated Network
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
City	City of Rancho Cordova
City General Plan	Rancho Cordova General Plan
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CNPS Inventory	<i>Inventory of Rare and Endangered Vascular Plants of California</i>
CO	carbon monoxide
County	Sacramento County
CRAM	California Rapid Assessment Method
CSCGMP	Central Sacramento County Groundwater Management Plan
CVP	Central Valley Project
CWA	Clean Water Act
dBA	A-weighted decibels
dbh	diameter at breast height
DEIR	Draft Environmental Impact Report
DEIS	Draft Environmental Impact Statement
Delta	Sacramento–San Joaquin Delta
DFG	California Department of Fish and Game
DPH	California Department of Public Health

DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EBMUD	East Bay Municipal Utility District
EIR	environmental impact report
EIS	environmental impact statement
EPA	U.S. Environmental Protection Agency
ESA	federal Endangered Species Act
Fazio water	Central Valley Project Water [Public Law 101-514]
FEIR	final environmental impact report
FEIS	final environmental impact statement
FRWA	Freeport Regional Water Authority
FRWP	Freeport Regional Water Project
GET	groundwater extraction and treatment
GIS	geographic information systems
gpm	gallons per minute
GSWC	Golden State Water Company
HD	High Density Alternative
IGSM	Integrated Groundwater Surface Water Model
IM	Impact Minimization Alternative
IPCC	Intergovernmental Panel on Climate Change
IS	initial study
lb/day	pounds per day
L_{eq}	equivalent noise level
LiDAR	Light Detection and Ranging
MBTA	Migratory Bird Treaty Act
MDC	McDonnell Douglas Corporation
MDC-County Agreement	<i>Agreement Between Sacramento County, The Sacramento County Water Agency, and McDonnell Douglas Corporation with Respect to Groundwater and Related Issues within the Eastern Portion of Sacramento County</i>
mgd	million-gallon-per-day
MMP	mitigation monitoring plan
MND	mitigated negative declaration
MOA	memorandum of agreement
MSA	Master Settlement Agreement
msl	mean sea level
Natomas Mutual	Natomas Central Mutual Water Company

NEPA	National Environmental Policy Act
NF	No Federal Action Alternative
NMFS	National Marine Fisheries Service
NO _x	oxides of nitrogen
NP	No Project Alternative
NPDES	National Pollutant Discharge Elimination System
NSAPP	North Service Area Pipeline Project
NWP	nationwide permit
O&M	operations and management
OCAP	Operations Criteria and Plan
PCM	parallel climate model
PL	Public Law
PM ₁₀	diameter smaller than 10 microns
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
POU	Place of Use
PP	Proposed Project Alternative
Reclamation	U.S. Bureau of Reclamation
ROG	reactive organic gases
RWQCB	Regional Water Quality Control Board
RWSP	Replacement Water Supply Project
SACOG	Sacramento Area Council of Governments
SB	Senate Bill
SCWA	Sacramento County Water Agency
SMAQMD	Sacramento Metropolitan Air Quality Management District
SRCSD	Sacramento Regional County Sanitation District
SRWTP	Sacramento Regional Water Treatment Plant
SSCHCP	South Sacramento County Habitat Conservation Plan
SSWD	Sacramento Suburban Water District
State CEQA Guidelines	California Environmental Quality Act Guidelines
SWP	State Water Project
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
T-BACT	best Available Control Technology for Toxics
TNC	The Nature Conservancy
UPA	Urban Policy Area
USACE	U.S. Army Corps of Engineers

USB	Urban Services Boundary
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UWMP	Urban Water Management Plan
VELB	valley elderberry longhorn beetle
WFA	Water Forum Agreement
WSA	Water Supply Assessment
WSMP	Water Supply Master Plan
WTP	water treatment plant
WWR	watershed-to-wetland ratio
Zone 41 UWMP	<i>2005 Zone 41 Urban Water Management Plan</i>