

TABLE OF CONTENTS

Section	Page
Executive Summary	ES-1
ES.1 Introduction	ES-1
ES.2 Lead and Cooperating Agencies.....	ES-1
ES.3 Type of Environmental Impact Report/Environmental Impact Statement.....	ES-1
ES.4 Requested Entitlements	ES-1
ES.5 Project Characteristics	ES-2
ES.6 Summary of Significant Impacts and Mitigation Measures	ES-4
ES.7 Alternatives	ES-4
ES.8 Known Areas of Controversy	ES-8
ES.9 Public Participation and Additional Steps In the CEQA/NEPA Review Process	ES-8
1 Introduction and Statement of Purpose and Need	1-1
1.1 Project Requiring Environmental Analysis	1-1
1.2 Project History and Planning Context	1-3
1.3 Project Purpose, Need, and Objectives.....	1-6
1.4 Intended Uses and Type of Environmental Impact Report/ Environmental Impact Statement....	1-8
1.5 Scope and Focus of the Environmental Impact Report/ Environmental Impact Statement	1-10
1.6 Agency Roles and Responsibilities	1-12
1.7 Public Participation and Additional Steps in the California Environmental Quality Act/ National Environmental Policy Act Review Process	1-15
1.8 Organization of this Environmental Impact Report/Environmental Impact Statement.....	1-16
1.9 Documents incorporated by Reference	1-17
1.10 Standard Terminology, Acronyms, and Abbreviations.....	1-19
2 Alternatives	2-1
2.1 Introduction	2-1
2.2 CEQA/NEPA Requirements for Project Description and Evaluation of Alternatives	2-2
2.3 “Land” Portion of the Project	2-5
2.4 “Water” Portion of the Project	2-75
2.5 Existing and Future Water Demand	2-79
2.6 “Water” Alternatives	2-80
2.7 Construction of Off-site Water Facility Alternatives	2-95
2.8 “Water” Alternatives Considered and eliminated from further consideration	2-97
2.9 City of Folsom General Plan Amendment	2-103
2.10 Integration of “Land” and “Water” Alternatives for Development.....	2-104
2.11 Environmentally Superior Alternative	2-104
3 Affected Environment, Environmental Consequences, and Mitigation Measures	3-1
3.0 Approach to the Environmental Analysis.....	3-1
3A.1 Aesthetics – Land	3A.1-1
3B.1 Aesthetics – Water.....	3B.1-1
3A.2 Air Quality – Land	3A.2-1
3B.2 Air Quality – Water	3B.2-1
3A.3 Biological Resources – Land.....	3A.3-1
3B.3 Biological Resources – Water	3B.3-1
3A.4 Climate Change - Land.....	3A.4-1
3B.4 Climate Change – Water	3B.4-1
3A.5 Cultural Resources - Land.....	3A.5-1
3B.5 Cultural Resources – Water.....	3B.5-1
3A.6 Environmental Justice – Land	3A.6-1

TABLE OF CONTENTS

continued	Page
3B.6 Environmental Justice – Water.....	3B.6-1
3A.7 Geology, Soils, Minerals, and Paleontological Resources – Land.....	3A.7-1
3B.7 Geology, Soils, Minerals, and Paleontological Resources – Water	3B.7-1
3A.8 Hazards and Hazardous Materials – Land.....	3A.8-1
 Volume II	
3B.8 Hazards and Hazardous Materials – Water	3B.8-1
3A.9 Hydrology and Water Quality – Land	3A.9-1
3B.9 Hydrology and Water Quality – Water	3B.9-1
3A.10 Land Use and Agricultural Resources – Land.....	3A.10-1
3B.10 Land Use and Agricultural Resources – Water	3B.10-1
3A.11 Noise – Land	3A.11-1
3B.11 Noise – Water.....	3B.11-1
3A.12 Parks and Recreation – Land.....	3A.12-1
3B.12 Parks and Recreation – Water	3B.12-1
3A.13 Population, Employment and Housing – Land.....	3A.13-1
3A.14 Public Services – Land.....	3A.14-1
3A.15 Traffic and Transportation – Land	3A.15-1
 Volume III	
3B.15 Traffic and Transportation – Water.....	3B.15-1
3A.16 Utilities and Service Systems – Land.....	3A.16-1
3B.16 Utilities and Service Systems – Water	3B.16-1
3B.17 Groundwater Resources – Water.....	3B.17-1
3A.18 Water Supply – Land.....	3A.18-1
 4 Other Statutory Requirements.....	 4-1
4.1 Cumulative Impacts.....	4-1
4.2 Growth-Inducing Impacts.....	4-65
4.3 Irreversible and Irretrievable Commitment of Resources	4-74
4.4 Relationship between Short-Term Use of the Environment and the Maintenance and Enhancement of Long-Term Productivity.....	4-75
4.5 Significant and Unavoidable Adverse Impacts	4-76
 5 References	 5-1
5.1 “Land” References	5-1
5.2 “Water” References.....	5-33
 6 List of Preparers.....	 6-1
 7 Index.....	 7-1

Appendices (Included on CD – see back cover)

A Notice of Preparation	H Hydrology and Water Quality
B Comments on Notice of Preparation	I Noise
C Air Quality	J Traffic
D Biological Resources	K Utilities
E Cultural Resources	L 404(b)(1) On-Site Alternatives Analysis
F Geology, Soils, Minerals, and Paleontological Resources	M Water Facilities
G Hazards and Hazardous Materials	N Folsom Plan Area Specific Plan

TABLE OF CONTENTS

continued

Page

Exhibits

2-1	Regional Location Map and Project Components	2-7
2-2	Project Site Location Map	2-9
2-3	Folsom South of 50 Conceptual Land Use Plan (Proposed Project Alternative).....	2-15
2-4	Proposed Zoning Districts.....	2-17
2-5	Conceptual Drainage Plan.....	2-21
2-6	El Dorado Irrigation District Service Area and Conceptual Off-site Sewer Facilitie.....	2-27
2-7	Conceptual On-site Water Conveyance	2-29
2-8	Conceptual Wastewater Diagram	2-31
2-9	Conceptual Circulation Diagram	2-35
2-10	Conceptual Pedestrian, Bicycle, and Transit Corridors	2-39
2-11	Proposed Off-site Land Development Improvements	2-41
2-12	Conceptual Project Phasing Plan	2-43
2-13	No USACE Permit Alternative	2-47
2-14	No USACE Permit Alternative Backbone Infrastructure	2-49
2-15	Resource Impact Minimization Alternative	2-51
2-16	Resource Impact Minimization Alternative Backbone Infrastructure	2-53
2-17	Centralized Development Alternative.....	2-57
2-18	Centralized Development Alternative Backbone Infrastructure	2-59
2-19	Reduced Hillside Development Alternative	2-61
2-20	Reduced Hillside Development Alternative Backbone Infrastructure.....	2-63
2-21	Location of Planned Projects Related to Biological Resources	2-70
2-22	Off-site Land Development Alternative – Natural Communities	2-73
2-23	Regional Map and “Water” Project Concept.....	2-76
2-24	“Water” Study Area – Zones 1, 2, and 3.....	2-77
2-25	“Water” Study Area – Zone 4.....	2-78
2-26	Proposed Off-site Water Facility and Off-site Water Facility Alternatives 1 and 1A	2-85
2-27	Conceptual Water Treatment Plant Layout.....	2-87
2-28	Off-site Water Facility Alternatives 2, 2A, and 2B	2-90
2-29	Off-site Water Facility Alternatives 3 and 3A	2-92
2-30	Off-site Water Facility Alternatives 4 and 4A	2-94
3A.1-1	Landscapes and Viewpoints.....	3A.1-3
3A.1-1	Representative Photographs (Viewpoints 1 and 2).....	3A.1-4
3A.1-1	Representative Photographs (Viewpoints 3 and 4).....	3A.1-5
3A.1-1	Representative Photographs (Viewpoints 5 and 6).....	3A.1-6
3A.1-1	Representative Photographs (Viewpoints 7 and 8).....	3A.1-7
3A.1-1	Representative Photographs (Viewpoints 9 and 10).....	3A.1-8
3A.1-1	Representative Photographs (Viewpoints 11 and 12).....	3A.1-9
3A.1-1	Representative Photographs (Viewpoints 13 and 14).....	3A.1-10
3A.1-1	Representative Photographs (Viewpoints 15 and 16).....	3A.1-11
3A.1-1	Representative Photographs (Viewpoints 17 and 18).....	3A.1-12
3A.1-1	Representative Photographs (Viewpoints 19 and 20).....	3A.1-13
3A.1-1	Representative Photographs (Viewpoints 21 and 22).....	3A.1-14
3A.1-1	Representative Photographs (Viewpoints 23 and 24).....	3A.1-15
3A.1-1	Representative Photographs (Viewpoint 25)	3A.1-16

TABLE OF CONTENTS

continued	Page
3B.1-1 Viewpoints from within Zone 4 of the “Water” Study Area	3B.1-2
3B.1-1 Representative Photographs A and B.....	3B.1-5
3B.1-1 Representative Photographs C and D.....	3B.1-6
3B.1-1 Representative Photographs E and F	3B.1-7
3B.1-1 Representative Photographs G and H	3B.1-8
3B.1-1 Representative Photographs I and J	3B.1-9
3B.1-1 Representative Photographs K and L.....	3B.1-10
3B.1-1 Representative Photographs M and N.....	3B.1-11
3B.1-1 Representative Photographs O and P.....	3B.1-12
3A.3-1 Existing Plant Communities	3A.3-3
3A.3-2 CNNDDB Occurrences within a Five-Mile Radius of the SPA	3A.3-15
3A.3-3 Wetlands and Other Waters of the United States.....	3A.3-19
3A.3-4 Aquatic Resources and Open Space Areas under the No USACE Permit Alternative.....	3A.3-29
3A.3-5 Aquatic Resources and Open Space Areas under the Proposed Project Alternative	3A.3-35
3A.3-6 Aquatic Resources and Open Space Areas under the Resource Impact Minimization Alternative	3A.3-43
3A.3-7 Aquatic Resources and Open Space Areas under the Centralized Development Alternative.....	3A.3-45
3A.3-8 Aquatic Resources and Open Space Areas under the Reduced Hillside Development Alternative	3A.3-47
3A.3-9 Oak Woodland Resources under the No USACE Permit Alternative	3A.3-77
3A.3-10 Oak Woodland Resources under the Resource Impact Minimization Alternative	3A.3-79
3A.3-11 Oak Woodland Resources under the Centralized Development Alternative	3A.3-81
3A.3-12 Oak Woodland Resources under the Proposed Project Alternative.....	3A.3-89
3A.3-13 Oak Woodland Resources under the Reduced Hillside Development Alternative.....	3A.3-91
3B.3-1A Plant Communities within Northern Sections of Zone 4 of the “Water” Study Area.....	3B.3-2
3B.3-1B Plant Communities within Southern Sections of Zone 4 of the “Water” Study Area.....	3B.3-3
3B.3-2 Special-Status Plant and Wildlife Species with Potential to Occur in Zone 4 of the “Water” Study Area.....	3B.3-9
3B.3-3A Wetland Areas in Northern Section of Zone 4.....	3B.3-23
3B.3-3B Wetland Areas in North-Central Section of Zone 4.....	3B.3-25
3B.3-3C Wetland Areas in South-Central Section of Zone 4.....	3B.3-27
3B.3-3D Wetland Areas in Southern Section of Zone 4.....	3B.3-29
3A.4-1 California’s Greenhouse Gas Emissions by Economic Sector (2002-2004 Average).....	3A.4-4
3A.4-2 Global Precipitation Trend for 1900–2000	3A.4-36
3A.4-3 Graph of Annual Average Relative Sea Level and the 19-Year Running Average Sea Level at the Golden Gate Tide Gauge, California, 1900–2003.....	3A.4-43
3A.7-1 Geologic Formations in the SPA and Vicinity.....	3A.7-2
3A.7-2 Soil Types of On- and Off-Site Project Elements.....	3A.7-7
3A.7-3 Mineral Resource Zones of On- and Off-Site Project Components	3A.7-15
3A.7-4 Site Coverage under Existing Geotechnical Reports	3A.7-25
3B.7-1 Geologic Formations within Zone 4 of the Off-site Water Facilities Study Area [RMC Legend showing formation names is missing].....	3B.7-2
3B.7-2 Soil Limitations within Zone 4 of the Off-site Water Facilities Study Area	3B.7-3

TABLE OF CONTENTS

continued	Page
3A.8-1 Area 40 and Carve-Out Area	3A.8-4
3A.8-2 Area 40 Detail	3A.8-5
3A.8-3 Environmental Site Assessment Coverage	3A.8-8
3A.8-4 Area of Potential VOC Off-gassing in Proposed Project Alternative	3A.8-24
3A.8-5 Area of Potential VOC Off-gassing in Resource Impact Minimization Alternative	3A.8-24
3A.8-6 Area of Potential VOC Off-gassing in Centralized Development Alternative	3A.8-25
3A.8-7 Area of Potential VOC Off-gassing in Reduced Hillside Development Alternative	3A.8-25
3A.8-8 Area of Potential VOC Off-gassing in No USACE Permit Alternative	3A.8-26
3B.8-1 Contaminant Removal Effectiveness for Various Water Treatment Technologies	3B.8-9
3A.9-1 Project Site Watershed and Outfall Locations	3A.9-2
3A.9-2 On- and Off-Site Subwatersheds	3A.9-3
3A.9-3 Existing 100-Year Floodplain	3A.9.1-7
3A.9-4 Proposed 100-Year (0.01 AEP) Floodplain and Proposed Basin Locations	3A.9-33
3A.9-5a Proposed 200-Year (0.01 AEP) Floodplains (Western Half of SPA)	3A.9-47
3A.9-5b Proposed 200-Year (0.01 AEP) Floodplains (Eastern Half of SPA)	3A.9-49
3B.9-2 NCMWC Service Area and Drainage Facilities	3B.9-7
3A.10-1 Williamson Act Lands	3A.10-3
3A.10-2 SACOG Blueprint Land Uses	3A.10-10
3A.10-3 General Plan Land Use Designations	3A.10-16
3A.10-4 Zoning Map	3A.10-25
3B.10-1 Existing General Plan Land Use Designations for the White Rock and Folsom Boulevard WTP Sites	3B.10-3
3A.11-1 Common Noise Sources and Levels	3A.11-2
3A.11-2 Ambient Noise Measurement Locations	3A.11-6
3A.12-1 Locations of Existing City of Folsom Parks, Recreational Facilities, and Schools	3A.12-5
3B.17-1 Local Groundwater Subbasins	3B.17-2
3B.17-2 Generalized Geologic Cross-Section of the South American Groundwater Subbasin	3B.17-3
3B.17-3 Regional Sources of Groundwater Contamination	3B.17-5
3A.18-1 Water Supply Option 1: Groundwater from the Central Sacramento Groundwater Basin	3A.18-25
3A.18-2 Groundwater Hydrographs for the Eastern South American Subbasin	3A.18-33
3A.18-3 Water Supply Option 3 – Conservation of Existing Entitlements and Water System Retrofit	3A.18-42
4-1 Related Projects Map - Land	4-8
4-2 Related Project Map – Water	4-9
Tables	
ES-1 Summary of Impacts and Mitigation Measures	ES-10
1-1 Acronyms and Other Abbreviations	1-19

TABLE OF CONTENTS

continued	Page
2-1	Acres of Proposed Folsom South of U.S. 50 Specific Plan Project Land Uses 2-14
2-2	Waters of the U.S., Including Wetlands in the SPA 2-23
2-3	Folsom South of U.S. 50 Specific Plan Off-site Infrastructure Improvements..... 2-25
2-4	Summary Comparison of Residential Development under the No USACE Permit Alternative and the Proposed Project Alternative 2-45
2-5	Summary Comparison of Commercial and Industrial Development under the No USACE Permit Alternative and the Proposed Project Alternative 2-45
2-6	Summary Comparison of Residential Development under the Resource Impact Minimization Alternative and the Proposed Project Alternative 2-46
2-7	Summary Comparison of Commercial and Industrial Development under the Resource Impact Minimization Alternative and the Proposed Project Alternative 2-46
2-8	Summary Comparison of Residential Development under the Centralized Development Alternative and the Proposed Project Alternative 2-55
2-9	Summary Comparison of Commercial and Industrial Development under the Centralized Development Alternative and the Proposed Project Alternative 2-56
2-10	Summary Comparison of Residential Development under the Reduced Hillside Development Alternative and the Proposed Project Alternative 2-65
2-11	Summary Comparison of Commercial and Industrial Development under the Reduced Hillside Development Alternative and the Proposed Project Alternative..... 2-65
2-13	Folsom Specific Plan Estimated Water Demands..... 2-79
2-15	Water Treatment Chemical Use and Storage..... 2-86
2-16	Comparison of Impacts of the Proposed Project - Land After Mitigation Implementation to Those of the Alternatives Under Consideration..... 2-106
2-17	Comparison of Impacts of the Off-site Water Facility Alternatives Under Consideration..... 2-108
3A.2-1	Summary of Ambient Air Quality Standards and Attainment Designations3A.2-3
3A.2-2	Summary of Annual Ambient Air Quality Data (2006–2008).....3A.2-8
3A.2-3	Summary of Modeled Maximum Daily Criteria Air Pollutant and Precursor Emissions Associated with Construction of On-Site Elements.....3A.2-29
3A.2-4	Summary of Modeled Maximum Daily Criteria Air Pollutant and Precursor Emissions Associated with Construction of Off-Site Elements3A.2-34
3A.2-5	EDCAQMD-Recommend Fugitive Dust Control Measures.....3A.2-38
3A.2-6	Summary of Modeled Long-Term Operational Emissions Under the No USACE Permit Alternative3A.2-42
3A.2-7	Summary of Modeled Long-Term Operational Emissions Under the Proposed Project Alternative3A.2-44
3A.2-8	Summary of Modeled Long-Term Operational Emissions Under the Resource Impact Minimization Alternative.....3A.2-45
3A.2-9	Summary of Modeled Long-Term Operational Emissions Under the Reduced Hillside Development Alternative3A.2-46
3A.2-10	Summary of Modeled Long-Term Operational Emissions Under the Centralized Development Alternative3A.2-47
3B.2-1	Off-site Water Facilities Construction and Operational Emissions3B.2-8
3B.2-2	Off-site Water Facilities Construction and Operational Emissions3B.2-11
3A.3-1	Special-Status Plant Species Known to Occur or with Potential to Occur in the SPA3A.3-9
3A.3-2	Special-Status Wildlife with Potential to Occur in the SPA and Off-Site Elements3A.3-11
3A.3-3	Summary of Wetland Impacts and Preservation for the Proposed Project Alternative3A.3-34

TABLE OF CONTENTS

continued	Page
3A.3-4	Summary of Wetland Impacts and Preservation for Each Project Alternative3A.3-34
3A.3-5	Summary of Blue Oak Woodland Impacts and Preservation for Each Project Alternative.....3A.3-76
3B.3-1	Special-Status Plant Species with Potential to Occur in Zone 4 of the “Water” Study Area3B.3-11
3B.3-2	Special-Status Wildlife Species with Potential to Occur in Zone 4 of the “Water” Study Area.....3B.3-13
3B.3-3	Special-Status Fish Species with Potential to Occur in Zone 2 of the “Water” Study Area.....3B.3-17
3B.3-4	Summary of Wetland Impacts for the Off-site Water Facility Alternatives3B.3-37
3B.3-5	Special-Status Wildlife Potentially Affected by Off-site Water Facility Alternatives3B.3-48
3B.3-6	Special-Status Plant Species Potentially Affected by Off-site Water Facility Alternatives/Facilities3B.3-54
3B.3-7	Summary of Plant Communities for Each Off-site Water Facility Alternative3B.3-56
3B.3-8	Trees Potentially Affected by Each Off-site Water Facility Alternative Corridor3B.3-59
3A.4-1	Summary of Modeled Greenhouse Gas Emissions (CO ₂ e) from On-Site Elements for the Proposed Project and Action Alternatives3A.4-17
3A.4-2	Summary of Maximum Daily Exhaust Emissions of Greenhouse Gases from Construction of Off-Site Elements.....3A.4-21
3B.4-1	Off-site Water Facility Operational Greenhouse Gas Emission Estimates.....3B.4-5
3A.5-1	Summary of Previous Cultural Resource Investigations3A.5-6
3B.5-1	Historic and Pre-Historic Resources Potentially Affected by the Off-site Water Facility Alternatives3B.5-3
3A.6-1	Population Distribution by Race and Ethnicity for the City of Folsom, Sacramento County, and El Dorado Hills.....3A.6-2
3A.6-2	2000 Population Distribution by Race and Ethnicity for the City of Folsom Excluding the Prison Population3A.6-3
3A.6-3	Median Household Income and Per Capita Income for the City of Folsom, Sacramento County, and El Dorado Hills.....3A.6-3
3A.6-4	Poverty Level for the City of Folsom, Sacramento County, and El Dorado Hills.....3A.6-4
3A.7-1	Faults with Evidence of Activity During Holocene Time in the Project Region.....3A.7-4
3A.7-2	On- and Off-Site Soil Characteristics3A.7-9
3A.7-3	California Division of Mines and Geology Mineral Land Classification System3A.7-12
3B.8-1	Hazardous Materials Database Search Results – Zone 4 of the Off-site Water Facility Study Area3B.8-2
3A.9-1	Surface Water and Groundwater Quality Standards of Conventional Contaminants for the Proposed Project Alternative3A.9-13
3A.9-2	Modeled Peak 100-Year (0.01 AEP) Flow Rate Contributions from Off-Site Basins (Existing Conditions).....3A.9-31
3A.9-3	Modeled Peak Flow Results at Project Outfall Locations3A.9-35
3A.9-4	Modeled Peak 100-Year (0.01 AEP) Storm Detention Capacity.....3A.9-36
3A.9-6	Project Site Water Quality Subbasins and Volumes.....3A.9-41
3A.9-7	Expected Pollutant Removal Efficiency of BMPs3A.9-43

TABLE OF CONTENTS

continued

Page

3B.9-1	Major Federal and State Reservoirs in the Sacramento River Basin	3B.9-2
3B.9-2	Raw and Treated Water Quality Data for the Bryte Bend Water Treatment Plant	3B.9-9
3B.9-3	Effects of Off-site Water Facility Alternatives on Sacramento River Flows.....	3B.9-28
3A.10-1	Williamson Act Contracts in the SPA.....	3A.10-4
3A.10-2	Adopted Sacramento County, El Dorado County, and City of Folsom General Plan Land Use Designations	3A.10-17
3A.10-3	Adopted Sacramento County, El Dorado County, and City of Folsom Zoning Districts	3A.10-22
3A.10-4	Folsom South of U.S. 50 Specific Plan Proposed Land Use and Zoning Districts.....	3A.10-31
3B.10-1	Natomas Central Mutual Water Company 2004 and 2007 Crop Acreages	3B.10-5
3B.10-2	Farmland Conversion from 2004–2006 in Sacramento County	3B.10-6
3A.11-1	Summary of Measured Ambient-Noise Levels.....	3A.11-5
3A.11-2	Summary of Modeled Existing Traffic Noise Levels	3A.11-8
3A.11-3	Land Use Noise Compatibility Guidelines	3A.11-12
3A.11-4	County of Sacramento Noise Level Performance Standards for Residential Areas Affected by Nontransportation Noise	3A.11-13
3A.11-5	Requirements for an Acoustical Analysis.....	3A.11-14
3A.11-6	Land Use Compatibility for Community Noise Environments.....	3A.11-15
3A.11-7	Excerpts from the County of Sacramento Code, Noise Control	3A.11-16
3A.11-8	Maximum Allowable Noise Exposure for Transportation Noise Sources.....	3A.11-18
3A.11-9	Noise Level Performance Protection Standards for Noise Sensitive Land Uses Affected by Nontransportation Sources.....	3A.11-19
3A.11-10	Maximum Allowable Noise Exposure for Nontransportation Noise Sources in Community Regions and Adopted Plan Areas for Construction Noise	3A.11-20
3A.11-11	Maximum Allowable Noise Exposure for Nontransportation Noise Sources in Rural Centers for Construction Noise.....	3A.11-20
3A.11-12	Maximum Allowable Noise Exposure for Nontransportation Noise Sources in Rural Regions for Construction Noise.....	3A.11-20
3A.11-13	Noise Level Performance Standards for New Projects and Developments	3A.11-22
3A.11-14	Exterior Noise Level Standards	3A.11-24
3A.11-15	Interior Noise Level Standards	3A.11-24
3A.11-16	Noise Emission Levels from Construction Equipment.....	3A.11-29
3A.11-17	Representative Groundborne Noise and Vibration Levels for Construction Equipment.....	3A.11-34
3A.11-18	Summary of Modeled Traffic Noise Levels under Existing No Project and Existing Plus Project Conditions.....	3A.11-37
3A.11-19	Summary of Modeled Traffic Noise Levels under Future (2030) No Project and Future Plus Project Conditions (Without Quarry Truck Trips).....	3A.11-40
3B.11-1	Typical Groundborne Vibration Thresholds.....	3B.11-4
3B.11-2	Sacramento County Noise Level Standards for Residential Areas	3B.11-5
3B.11-3	Sacramento County Noise Ordinance Standards	3B.11-6
3B.11-4	City of Rancho Cordova Noise Level Standards	3B.11-7
3B.11-5	Typical Noise Levels for Construction Equipment.....	3B.11-9
3B.11-6	Construction Equipment Vibration Levels	3B.11-14
3A.12-1	Existing City of Folsom Parks and Recreation Facilities	3A.12-7

TABLE OF CONTENTS

continued	Page
3A.12-2 City of Folsom Park Acreage Standards	3A.12-10
3A.12-3 Project Parkland Acreage Calculations.....	3A.12-13
3A.13-1 Sacramento County Regional Housing Needs Allocation for 2006–2013.....	3A.13-5
3A.13-2 City of Folsom Regional Housing Needs Allocation for 2006–2013	3A.13-5
3A.13-3 City of Folsom Projected Housing Units to Meet Regional Housing Needs Allocation for 2006-2013	3A.13-6
3A.13-4 Folsom South of 50 Specific Plan Residential Population Projections.....	3A.13-10
3A.14-1 Folsom Cordova Unified School District Enrollment, 2008–2009.....	3A.14-4
3A.14-2 Student-Yield Generation Rates for the Folsom Cordova Unified School District	3A.14-5
3A.14-3 Folsom South of U.S. 50 Specific Plan Firefighter and Police Officer Projections	3A.14-10
3A.14-4 Folsom South of U.S. 50 Specific Plan Elementary, Middle, and High School Student Projections	3A.14-11
3A.15-1 Locations of Detailed Traffic Analyses	3A.15-3
3A.15-2 Definitions of Intersection Levels of Service	3A.15-9
3A.15-3 Daily Volume Thresholds for Roadway Segments1	3A.15-10
3A.15-4 Definitions of Freeway Mainline Segment Levels of Service	3A.15-11
3A.15-5 Definitions of Freeway Ramp Merge / Diverge and Weaving Levels of Service.....	3A.15-11
3A.15-6 Intersection Levels of Service — Existing Conditions – City of Folsom.....	3A.15-12
3A.15-7 Intersection Levels of Service — Existing Conditions – Sacramento County	3A.15-13
3A.15-8 Roadway Levels of Service — Existing Conditions – Sacramento County	3A.15-14
3A.15-9 Intersection Levels of Service — Existing Conditions – City of Rancho Cordova.....	3A.15-15
3A.15-10 Roadway Levels of Service — Existing Conditions – City of Rancho Cordova.....	3A.15-15
3A.15-11 Intersection Levels of Service — Existing Conditions – El Dorado County.....	3A.15-16
3A.15-12 Intersection Levels of Service — Existing Conditions – Caltrans.....	3A.15-17
3A.15-13 Levels of Service for Freeway Mainline Segments — Existing Conditions.....	3A.15-18
3A.15-14 Levels of Service for Freeway-Ramp Merge, Diverge, and Weave Maneuvers — Existing Conditions	3A.15-19
3A.15-15 Folsom South of U.S. 50 Annexation Area Vehicle-Trip Generation Summary.....	3A.15-31
3A.15-16 Intersection Levels of Service — Existing Plus Project Conditions – City of Folsom.....	3A.15-33
3A.15-17 Intersection Levels of Service — Existing Plus Project Conditions – Sacramento County	3A.15-35
3A.15-18 Roadway Segment Levels of Service—Existing Plus Project Conditions – Sacramento County.....	3A.15-37
3A.15-19 Intersection Levels of Service — Existing Plus Project Conditions – City of Rancho Cordova	3A.15-39
3A.15-20 Roadway Segment Levels of Service — Existing Plus Project Conditions - City of Rancho Cordova	3A.15-39
3A.15-21 Intersection Levels of Service — Existing Plus Project Conditions – El Dorado County.....	3A.15-41
3A.15-22 Intersection Levels of Service — Existing Plus Project Conditions – Caltrans.....	3A.15-41
3A.15-23 Freeway Mainline Levels of Service — Existing Plus Project Conditions - Caltrans	3A.15-43
3A.15-24 Merge/Diverge/Weave Levels of Service — Existing Plus Project Conditions - Caltrans	3A.15-45
3A.15-25 Intersection Levels of Service — Cumulative (2030) Conditions – City of Folsom.....	3A.15-81
3A.15-26 Intersection Levels of Service — Cumulative (2030) Conditions – Sacramento County	3A.15-83
3A.15-27 Roadway Segment Levels of Service — Cumulative (2030) Conditions – Sacramento County.....	3A.15-85
3A.15-28 Intersection Levels of Service — Cumulative (2030) Conditions – City of Rancho Cordova	3A.15-87

TABLE OF CONTENTS

continued	Page
3A.15-29 Roadway Segment Levels of Service — Cumulative (2030) Conditions - City of Rancho Cordova.....	3A.15-89
3A.15-30 Intersection Levels of Service — Cumulative (2030) Conditions – El Dorado County	3A.15-91
3A.15-31 Intersection Levels of Service — Cumulative (2030) Conditions – Caltrans.....	3A.15-91
3A.15-32 Freeway Mainline Levels of Service — Cumulative (2030) Conditions - Caltrans	3A.15-93
3A.15-33 Merge/Diverge/Weave Levels of Service — Cumulative (2030) Conditions - Caltrans.....	3A.15-95
3A.15-34 Intersection Levels of Service — Cumulative (2030) Conditions – City of Folsom – With Mitigated Transportation Network	3A.15-122
3A.15-35 Intersection Levels of Service — Cumulative (2030) Conditions – Sacramento County – With Mitigated Transportation Network.....	3A.15-124
3A.15-36 Roadway Segment Levels of Service — Cumulative (2030) Conditions - Sacramento County – With Mitigated Transportation Network.....	3A.15-125
3A.15-37 Intersection Levels of Service — Cumulative (2030) Conditions – City of Rancho Cordova – With Mitigated Transportation Network.....	3A.15-126
3A.15-38 Roadway Segment Levels of Service — Cumulative (2030) Conditions - City of Rancho Cordova – With Mitigated Transportation Network.....	3A.15-127
3A.15-39 Intersection Levels of Service — Cumulative (2030) Conditions – El Dorado County – With Mitigated Transportation Network.....	3A.15-128
3A.15-40 Intersection Levels of Service — Cumulative (2030) Conditions – Caltrans – With Mitigated Transportation Network	3A.15-129
3A.15-41 Freeway Mainline Levels of Service — Cumulative (2030) Conditions – Caltrans – With Mitigated Transportation Network	3A.15-131
3A.15-42 Merge/Diverge/Weave Levels of Service — Cumulative (2030) Conditions – Caltrans – With Mitigated Transportation Network.....	3A.15-133
3A.15-43 Estimated Trip Generation from East County Mining Applications	3A.15-137
3A.15-44 Intersection Levels of Service — Cumulative (2030) Conditions – City of Folsom – Quarry Truck Influence.....	3A.15-141
3A.15-45 Roadway Segment Levels of Service — Cumulative (2030) Conditions - Sacramento County – Quarry Truck Influence.....	3A.15-145
3A.15-46 Intersection Levels of Service — Cumulative (2030) Conditions – City of Rancho Cordova – Quarry Truck Influence.....	3A.15-147
3A.15-47 Roadway Segment Levels of Service — Cumulative (2030) Conditions - City of Rancho Cordova – Quarry Truck Influence.....	3A.15-149
3A.15-48 Intersection Levels of Service — Cumulative (2030) Conditions – El Dorado County – Quarry Truck Influence.....	3A.15-151
3A.15-49 Intersection Levels of Service — Cumulative (2030) Conditions – Caltrans – Quarry Truck Influence.....	3A.15-151
3A.15-50 Freeway Mainline Levels of Service — Cumulative (2030) Conditions – Caltrans – Quarry Truck Influence.....	3A.15-153
3A.15-51 Merge/Diverge/Weave Levels of Service — Cumulative (2030) Conditions – Caltrans – Quarry Truck Influence.....	3A.15-155
3B.15-1 Level of Service for Roadways in Zone 4 of the “Water” Study Area	3B.15-3
3A.16-1 SMUD Service Area Electrical Consumption and Forecast	3A.16-5
3A.16-2 PG&E Service Area Natural Gas Consumption and Forecast	3A.16-7
3A.16-3 Folsom South of U.S. 50 Specific Plan Wastewater Generation Rates	3A.16-12
3A.16-4 Folsom South of U.S. 50 Specific Plan Solid Waste Generation Rates.....	3A.16-12
3A.16-5 Folsom South of U.S. 50 Specific Plan Electrical and Natural Gas Demands	3A.16-13

TABLE OF CONTENTS

continued

Page

3A.18-1	NCMWC Surface-Water Entitlements.....	3A.18-2
3A.18-2	NCMWC Monthly Water Deliveries Under the Renewal Contract.....	3A.18-2
3A.18-3	Folsom South of U.S. 50 Specific Plan Water Demands.....	3A.18-7
3A.18-4	Summary of Land Use and Water Demands for the No USACE Permit Alternative at Buildout	3A.18-9
3A.18-5	Normal-Year and Dry-Year Comparison of Water Supply and Demand for the No USACE Permit Alternative.....	3A.18-9
3A.18-6	Summary of Land Use and Water Demands for the Proposed Project Alternative at Buildout	3A.18-11
3A.18-7	Normal-Year and Dry-Year Comparison of Water Supply and Demand for the Proposed Project Alternative	3A.18-13
3A.18-8	Summary of Land Use and Water Demands for the Resource Impact Minimization Alternative at Buildout.....	3A.18-15
3A.18-9	Normal-Year and Dry-Year Comparison of Water Supply and Demand for the Resource Impact Minimization Alternative.....	3A.18-16
3A.18-10	Summary of Land Use and Water Demands for the Centralized Development Alternative at Buildout.....	3A.18-17
3A.18-11	Normal-Year and Dry-Year Comparison of Water Supply and Demand for the Centralized Development Alternative.....	3A.18-17
3A.18-12	Summary of Land Use and Water Demands for the Reduced Hillside Development Alternative at Buildout.....	3A.18-18
3A.18-13	Normal-Year and Dry-Year Comparison of Water Supply and Demand for the Reduced Hillside Development Alternative	3A.18-19
3A.18-14	Treated Groundwater Quality Data for SCWA’s Eastern Service Areas	3A.18-30
3A.18-15	Summary Comparison of the Water Supply Options to the Proposed Off-site Water Facility Alternative	3A.18-46
4-1	Geographic Scope of Cumulative Impacts.....	4-6
4-2	Related Projects under the Land Portion of the Project in Sacramento County, El Dorado County, and the City of Folsom.....	4-10
4-3	Related Projects under the Water Portion of the Project in Sacramento County, Sutter County, and the City of Rancho Cordova	4-11
4-5	Wetlands and Other Waters at Specific Projects in the Vicinity of the Folsom South of Highway 50 Specific Plan.....	4-30
4-6	Special-Status Species Supported By the Habitat Types to Which the Project Would Contribute a Cumulatively Considerable Incremental Loss	4-31
4-8	Summary of Modeled Traffic Noise Levels of the “Land” Portion of the Project Under Future (2030) No Project and Future Plus Project Conditions, With Quarry Truck Trips	4-48
4-9	Summary of Project-Related Significant and Unavoidable Impacts.....	4-77
4-10	Improvements that are Outside the Co-Lead Agencies’ Jurisdiction.....	4-86

TABLE OF CONTENTS

continued

Page

This page intentionally left blank.