

TABLE OF CONTENTS

	<u>page</u>
VOLUME I	
1.0 INTRODUCTION	1-1
2.0 SUMMARY	2-1
3.0 PROJECT DESCRIPTION	3-1
Project Location	3-1
Applicant Goals	3-1
General Plan Amendments, Zone Reclassifications, and Text Amendments	3-4
Master Plan	3-11
Specific Plan I	3-35
4.0 ENVIRONMENTAL SETTING, IMPACTS, AND MITIGATION MEASURES	4-1
4.1 Land Use and Agricultural Issues	4.1-1
4.2 General Plan and Development Title Consistency	4.2-1
4.3 Public Services	4.3-1
4.3.1 Parks and Recreation	4.3-1
4.3.2 Schools	4.3-6
4.3.3 Fire Protection	4.3-16
4.3.4 Police Protection Service	4.3-20
4.3.5 Solid and Hazardous Waste	4.3-23
4.3.6 Libraries	4.3-26
4.4 Public Utilities	
4.4.1 Water Supply/Demand	4.4-1
4.4.2 Wastewater	4.4-16
4.4.3 Storm Drainage	4.4-32
4.4.4 Gas and Electricity	4.4-38
4.4.5 Telephone	4.4-43
4.5 Cultural Resources	4.5-1
4.6 Geology, Soils, and Seismicity	4.6-1
4.7 Hydrology and Water Quality	4.7-1
4.8 Visual Quality	4.8-1
4.9 Population, Housing, and Employment	4.9-1
4.10 Public Health and Safety	4.10-1
4.11 Biological Resources	4.11-1
4.12 Transportation	4.12-1
4.13 Air Quality	4.13-1
4.14 Noise	4.14-1

Table of Contents - continued

	<u>page</u>
5.0 ALTERNATIVES	5-1
Background	5-1
Description of Alternatives	5-1
6.0 OTHER CEQA CONSIDERATIONS	6-1
Cumulative Impacts	6-1
Growth-Inducing Impacts	6-23
Relationship of Short-Term Uses of the Environment versus Long-Term Productivity	6-24
Significant Unavoidable Adverse Impacts	6-24
Significant Irreversible Environmental Changes	6-24
7.0 REFERENCES AND PERSONS CONSULTED	7-1
8.0 PERSONS INVOLVED IN REPORT PREPARATION	8-1
VOLUME II	
9.0 COMMENTS RECEIVED ON THE DEIR	9-1
10.0 RESPONSES TO COMMENTS	10-1

APPENDICES

A	Notice of Preparation and Initial Study
B	Notice of Preparation Responses
C	Master Plan Goals, Objectives, Policies, and Implementation
D	Master Plan Compliance with Mitigation Requirements Contained in the Mountain House General Plan Amendment
E	Fundamental Concepts of Environmental Noise
F	Level of Service Definitions and Travel Forecast Procedures
G	Seismicity

Table of Contents - *continued*

page

LIST OF FIGURES

3.1	Regional Location	3-2
3.2	Project Location	3-3
3.3	Adopted General Plan Map	3-5
3.4	Proposed General Plan Map	3-6
3.5	Proposed Zone Reclassification	3-10
3.6	Community Concept Diagram	3-13
3.7	Potential Site Hazards	3-19
3.8	Trails	3-23
3.9	Public Transit Facilities	3-28
3.10	Water and Wastewater Treatment Facilities	3-31
3.11	Alternative Wastewater Reclamation Areas	3-34
3.12	Specific Plan I Areas	3-41
3.13	Central Mountain House, Conceptual Layout	3-44
3.14	Old River Industrial Park, Conceptual Layout	3-46
3.15	Mountain House Business Park, Conceptual Layout	3-48
4.1-1	Existing Land Uses	4.1-2
4.1-2	Williamson Act Contracts in the Project Vicinity	4.1-6
4.1-3	Status of Williamson Act Contracts	4.1-7
4.1-4	Western Edge Treatment, Residential	4.1-12
4.1-5	Western Edge Treatment, General Commercial	4.1-13
4.1-6	Williamson Act Expiration Dates	4.1-18
4.2-1	Existing General Plan Designations for Site and Environs	4.2-2
4.2-2	Existing Zoning for Site and Surroundings	4.2-4
4.3-1	Locations of Regional Recreation Resources	4.3-2
4.3-2	School District Boundary	4.3-7
4.3-3	Tracy Rural Fire District Boundary and Fire Station Sites	4.3-17
4.4-1	Irrigation Service Districts	4.4-2
4.4-2	Land with Riparian Water Rights	4.4-10
4.4-3	BBID Canals and Drainage Systems	4.4-17
4.4-4	Specific Plan I Wastewater Treatment Facility	4.4-33
4.5-1	Area of Intensive Archaeological Survey	4.5-3

Table of Contents - continued

	<u>page</u>
4.6-1 Site Soils	4.6-2
4.6-2 Regional Faults	4.6-4
4.7-1 Site Drainage Features	4.7-3
4.8-1 I-205 Buffer and Landscaping Plans	4.8-6
4.8-2 I-205 Buffer and Landscaping Plans	4.8-8
4.8-3 Patterson Pass Road Landscaping Plans	4.8-9
4.8-4 Grant Line and Byron Roads Landscaping Plans	4.8-10
4.11-1 Spring 1991 Cropping Patterns	4.11-2
4.11-2 Spring 1992 Cropping Patterns	4.11-3
4.11-3 Spring 1994 Cropping Patterns	4.11-4
4.11-4 Tree Locations and Wetlands	4.11-6
4.11-5 Sensitive Wildlife Species Sightings	4.11-10
4.11-6 1992 Kit Fox Survey Results and Sightings	4.11-14
4.11-7 Nesting Distribution of the South Delta Swainson's Hawk Subpopulation	4.11-17
4.12-1 Site Vicinity Roadways	4.12-2
4.12-2 Existing Average Daily Traffic (ADT) Volumes	4.12-4
4.12-3 Existing AM Peak Hour Traffic Volumes	4.12-5
4.12-4 Existing PM Peak Hour Traffic Volumes	4.12-6
4.12-5 Existing Levels of Service, Site Vicinity Roadway Segments	4.12-8
4.12-6 Master Plan Circulation System	4.12-11
4.12-7 2010 Total Daily Traffic Volumes on Area Freeways, Proposed Project and No Project Scenarios	4.12-22
4.12-8 2010 Total Daily Traffic Volumes on Arterial Roadways, Proposed Project and No Project Scenarios	4.12-36
4.12-9 Proposed Intersection Signalization and Channelization	4.12-46
4.12-10 Specific Plan I Internal Circulation and Road Classification	4.12-51
4.12-11 2000 Specific Plan Total Daily Traffic Volumes on Area Freeways, Full and Expected Employment Scenarios	4.12-58
4.12-12 2000 Specific Plan Total Daily Traffic Volumes in Project Site Vicinity, Full and Expected Employment Scenarios	4.12-66
4.12-13 Specific Plan I Signalized Intersections	4.12-72
4.14-1 Noise Measurement Locations	4.14-2
4.14-2 Potential Single Event Noise Impact from East Contra Costa County Airport, Byron, California	4.14-4

Table of Contents - *continued*

	<u>page</u>	
6.1	Cumulative Projects Locations	6-8
6.2	Cumulative Development and Possible Habitat Conservation Areas	6-18
6.3	Cumulative Analysis Area for Noise Impacts	6-22

LIST OF TABLES

2.1	Summary Table of Master Plan Impacts and Mitigation Measures	2-3
2.2	Summary Table of Specific Plan Impacts and Mitigation Measures	2-47
3.1	Existing and Proposed General Plan Land Use Designations	3-7
3.2	Residential Acreages, Densities, and Units	3-8
3.3	Employment by Land Use Type	3-9
3.4	Land Use Categories	3-14
3.5	Land Use Program	3-15
3.6	Proposed Parks	3-22
3.7	Proposed Regional Transportation Improvements	3-26
3.8	Proposed Public Transit Plans	3-29
3.9	Phasing of Major Public Services and Infrastructure	3-36
3.10	Mountain House Community Permit Requirements	3-37
3.11	Future Plans and Programs	3-40
3.12	Specific Plan I Proposed Land Use Program	3-42
3.13	Land Use by Subarea, Central Mountain House	3-45
3.14	Land Use by Subarea Parks	3-47
3.15	Regional Transportation Improvements	3-47
4.1-1	Mountain House On-Site Crops, 1989 and 1992	4.1-3
4.1-2	Chemical Applications on the Project Site and Adjoining Lands	4.1-4
4.2-1	Consistency between General Plan and Master Plan Policies	4.2-7
4.2-2	Consistency between Development Title and Master Plan Regulations	4.2-10
4.3-1	Student Generation	4.3-9
4.3-2	Phasing of Schools	4.3-10
4.3-3	State of California School Siting Criteria	4.3-12
4.3-4	Student Generation Specific Plan I	4.3-16
4.4-1	Water Demand for Project Site	4.4-8
4.6-1	Major Faults Potentially Affecting the Project Site	4.6-5

Table of Contents - continued

	<u>page</u>
4.8-1 Proposed Landscaping and Setback Treatments along the Project Boundaries and Major Internal Roadways	4.8-4
4.9-1 Existing Jobs/Employed Residents Ratio - 1990	4.9-2
4.9-2 Proposed Housing Densities and Prices	4.9-4
4.9-3 Projected Jobs/Housing Ratio at Buildout of All Jobs	4.9-6
4.9-4 Number of Jobs Required To Meet "Best Case" and "Minimum" Jobs/Housing Targets	4.9-6
4.9-5 Proposed Affordable Housing Costs and Housing Units	4.9-14
4.9-6 Comparison of Affordable Housing Goals and Proposed Housing by Income Category	4.9-16
4.9-7 Comparison of Affordable Housing Goals and Proposed Housing by Income Category	4.9-23
4.10-1 Chemical Applications on the Project Site and Adjoining Lands	4.10-4
4.11-1 Special-Status Species Known or Suspected To Occur in Project Vicinity	4.11-8
4.11-2 Estimated Crop and Non-Crop Acreage	
Swainson's Hawk Foraging Habitat Suitability	4.11-20
4.11-3 Proposed Swainson's Hawk Mitigation Program (SHMP)	4.11-22
4.11-4 Estimated Acreages for Swainson's Hawk Mitigation	4.11-35
4.12-1 Existing Freeway Levels of Service	4.12-9
4.12-2 Project Trips Ends by Mode at Buildout	4.12-17
4.12-3 Project Vehicle Trip Generation at Buildout	4.12-17
4.12-4 Total Daily Traffic Volume Changes on Freeways in Project Vicinity	4.12-23
4.12-5 Project and Non-Project Trips on I-580 and I-205	4.12-23
4.12-6 Year 2010: Peak Hour, Directional Level of Service on Freeways	4.12-24
4.12-6A Total Daily Traffic Volume Changes on Freeways in Project Vicinity	4.12-29A
4.12-6B Year 2010: Peak Hour, Peak Direction Level of Service on Freeways I-205 as Eight Lanes Versus I-205 as Six Lane	4.12-29B
4.12-7 Project's Percentage of Added Trips on Regional and County Facilities in Project Vicinity	4.12-30
4.12-8 Traffic Volume Increases on Arterials on Project Site and Project Vicinity	4.12-35
4.12-9 Project Trips on Selected Roadway Segments	4.12-35
4.12-10 Year 2010 Peak Hour LOS on Arterial Roads	4.12-37
4.12-11 Intersection Level of Service Summary at Project Buildout	4.12-40
4.12-11A Traffic Volume Comparisons on Arterials on Project Site and Project Vicinity; I-205 as Eight Lanes Versus Six Lanes	4.12-42B
4.12-11B Year 2010 Peak Hour Los on Arterial Roads; I-205 as Eight Lanes Versus I-205 as Six Lanes	4.12-42C

Table of Contents - *continued*

	<u>page</u>	
4.12-12	Intersection Level of Service with Mitigation	4.12-47
4.12-13	Daily Trip Ends by Mode, Expected Employment	4.12-55
4.12-14	Daily Trips Ends by Mode, Full Employment	4.12-55
4.12-15	Project Vehicle Trip Generation at Buildout, Expected Employment	4.12-56
4.12-16	Project Vehicle Trip Generation at Buildout, Full Employment	4.12-56
4.12-17	Comparison of External Vehicle Trips	4.12-57
4.12-18	Total Daily Traffic Volume Changes on Freeways in Project Vicinity	4.12-59
4.12-19	Year 2000: Peak Hour, Directional Level of Service on Freeways	4.12-60
4.12-20	Traffic Volume Increases on Arterials in Project Vicinity	4.12-65
4.12-21	Year 2000 Peak Hour LOS on Arterial Roads	4.12-68
4.12-22	Year 2000 Intersection Level of Service Summary	4.12-73
4.12-23	Intersection Level of Service Mitigation	4.12-76
4.13-1	Project Emissions for Specific Plan I and Master Plan Buildout	4.13-3
4.13-2	Worst Case Carbon Monoxide Concentrations	4.13-7
4.14-1	Existing Average Noise Levels at Key Locations within and near the Project Site	4.14-1
4.14-2	2010 Traffic Noise Levels due to Buildout of the Master Plan	4.14-6
5.1-1	Summary Table of Impacts of Alternatives as Related to the Project	5-5
5.1-2	Project Alternatives' Consistency with Project Goals	5-12
6.1	Cumulative Projects in San Joaquin, Stanislaus, Contra Costa, and Eastern Alameda Counties	6-2
6.2	Cumulative Growth in Southwestern San Joaquin County	6-15
6.3	Cumulative Growth in Eastern Alameda and Contra Costa Counties	6-16
6.4	Emissions from Cumulative Projects and Plans in San Joaquin County	6-20
6.5	San Joaquin Valley Air Basin Project Regional Emissions	6-20