

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

PREFACE

This is the Final EIR (FEIR) for the Mountain House Master Plan and Specific Plan I. Comments received on the Draft EIR (DEIR) and responses to the comments are included in this document in addition to a full copy of the DEIR, with changes in the text which have been made as a result of comments received during the public review period. Any changes to the DEIR text are shown by **bolding** for new text and a delete mark (-) for any text removed. The Summary in Section 2 of this FEIR has been revised to reflect the corrected DEIR text (without bolding or strike-outs). The Draft Mitigation Monitoring Program (Program) that was part of the Summary in the DEIR has been removed. The Draft Program was included in the DEIR for informational purposes. A final Program will be developed by the County.

The public review period started on 8 June 1994 and ended on 22 July 1994. An administrative hearing on the DEIR was held on 30 June 1994 at the County offices. A summary of verbal comments made at this hearing is provided in Chapter 9.

Comments, both written and verbal, are numbered; responses have corresponding numbers to the comments and are contained in Chapter 10. Only those comments addressing the adequacy of environmental analysis, rather than the project itself, have received a response. Comments have been received from State and local agencies, private citizens, private companies, and citizen groups.

Note on Project Description

Subsequent to the publication of the DEIR, the applicant has eliminated one component of the project. Wastewater reuse was proposed on one of two alternative sites: one location in Alameda County to the west of the site, and one area north of the site on Fabian Tract. Fabian Tract is no longer considered by the applicant as a reuse site for treated wastewater. The DEIR analysis on wastewater disposal on Fabian Tract remains unchanged.