

TABLE OF CONTENTS

LIST OF FIGURES..... iv

LIST OF TABLES iv

LIST OF ABBREVIATIONS AND ACRONYMS vi

EXECUTIVE SUMMARY ES-1

1.0 PROJECT AND AGENCY INFORMATION 1-1

1.1 PROJECT TITLE..... 1-1

1.2 LEAD AGENCY AND PROJECT APPLICANT..... 1-1

1.3 PROJECT LOCATION 1-1

1.4 ORGANIZATION OF MITIGATED NEGATIVE DECLARATION 1-1

1.5 PROJECT BACKGROUND AND OBJECTIVES 1-2

1.6 PUBLIC REVIEW AND COMMENT 1-3

1.7 APPROVALS AND REGULATORY REQUIREMENTS 1-3

2.0 PROJECT DESCRIPTION 2-1

2.1 NEED FOR PROJECT 2-1

2.2 PROJECT LOCATION 2-1

2.3 EXISTING FACILITIES 2-1

2.4 DESCRIPTION OF THE PROPOSED PROJECT..... 2-3

2.5 PROJECT SCHEDULE 2-8

3.0 ENVIRONMENTAL CHECKLIST AND ANALYSIS 3-1

3.1 AESTHETICS..... 3-3

3.1.1 Environmental Setting 3-3

3.1.2 Regulatory Setting..... 3-4

3.1.3 Impact Analysis 3-4

3.1.4 Mitigation Summary 3-6

3.2 AGRICULTURE AND FOREST RESOURCES..... 3-7

3.2.1 Environmental Setting 3-7

3.2.2 Regulatory Setting..... 3-8

3.2.3 Impact Analysis 3-8

3.2.4 Mitigation Summary 3-9

3.3 AIR QUALITY..... 3-10

3.3.1 Environmental Setting 3-10

3.3.2 Regulatory Setting..... 3-18

3.3.3 Impact Analysis 3-19

3.3.4 Mitigation Summary 3-23

3.4 BIOLOGICAL RESOURCES..... 3-24

3.4.1 Environmental Setting 3-24

3.4.2 Regulatory Setting..... 3-39

3.4.3	Impact Analysis	3-42
3.4.4	Mitigation Summary	3-50
3.5	CULTURAL AND PALEONTOLOGICAL.....	3-51
3.5.1	Environmental Setting	3-51
3.5.2	Regulatory Setting.....	3-54
3.5.3	Impact Analysis	3-56
3.5.4	Mitigation Summary	3-57
3.6	GEOLOGY AND SOILS	3-58
3.6.1	Environmental Setting	3-58
3.6.2	Regulatory Setting.....	3-60
3.6.3	Impact Analysis	3-61
3.6.4	Mitigation Summary	3-62
3.7	GREENHOUSE GAS EMISSIONS	3-63
3.7.1	Environmental Setting	3-63
3.7.2	Regulatory Setting.....	3-64
3.7.3	Impact Analysis	3-66
3.7.4	Mitigation Summary	3-67
3.8	HAZARDS AND HAZARDOUS MATERIALS.....	3-68
3.8.1	Environmental Setting	3-68
3.8.2	Regulatory Setting.....	3-69
3.8.3	Impact Analysis	3-72
3.8.4	Mitigation Summary	3-74
3.9	HYDROLOGY AND WATER QUALITY.....	3-75
3.9.1	Environmental Setting	3-76
3.9.2	Regulatory Setting.....	3-77
3.9.3	Impact Analysis	3-79
3.9.4	Mitigation Summary	3-82
3.10	LAND USE AND PLANNING	3-83
3.10.1	Environmental Setting	3-83
3.10.2	Regulatory Setting.....	3-84
3.10.3	Impact Analysis	3-86
3.10.4	Mitigation Summary	3-87
3.11	MINERAL RESOURCES.....	3-88
3.11.1	Environmental Setting	3-88
3.11.2	Regulatory Setting.....	3-88
3.11.3	Impact Analysis	3-89
3.11.4	Mitigation Summary	3-89
3.12	NOISE.....	3-90
3.12.1	Environmental Setting	3-90
3.12.2	Regulatory Setting.....	3-91

3.12.3	Impact Analysis	3-93
3.12.4	Mitigation Summary	3-94
3.13	POPULATION AND HOUSING	3-95
3.13.1	Environmental Setting	3-95
3.13.2	Regulatory Setting.....	3-96
3.13.3	Impact Analysis	3-96
3.13.4	Mitigation Summary	3-96
3.14	PUBLIC SERVICES	3-97
3.14.1	Environmental Setting	3-97
3.14.2	Regulatory Setting.....	3-98
3.14.3	Impact Analysis	3-99
3.14.4	Mitigation Summary	3-100
3.15	RECREATION.....	3-101
3.15.1	Environmental Setting	3-101
3.15.2	Regulatory Setting.....	3-101
3.15.3	Impact Analysis	3-102
3.15.4	Mitigation Summary	3-102
3.16	TRANSPORTATION/TRAFFIC	3-103
3.16.1	Environmental Setting	3-103
3.16.2	Regulatory Setting.....	3-105
3.16.3	Impact Analysis	3-106
3.16.4	Mitigation Summary	3-108
3.17	UTILITIES AND SERVICE SYSTEMS	3-109
3.17.1	Environmental Setting	3-109
3.17.2	Regulatory Setting.....	3-110
3.17.3	Impact Analysis	3-110
3.17.4	Mitigation Summary	3-112
3.18	MANDATORY FINDINGS OF SIGNIFICANCE	3-113
3.18.1	Impact Analysis	3-113
4.0	ENVIRONMENTAL JUSTICE	4-1
4.1	CSLC ENVIRONMENTAL JUSTICE POLICY	4-1
4.1.1	Methodology.....	4-2
4.1.2	Project Analysis.....	4-2
5.0	MITIGATION MONITORING PROGRAM.....	5-1
5.1	PURPOSE.....	5-1
5.2	ENFORCEMENT AND COMPLIANCE	5-1
5.3	MONITORING.....	5-1
5.4	MITIGATION MONITORING TABLE.....	5-2
6.0	MND PREPARATION SOURCES AND REFERENCES.....	6-1

6.1	CSLC STAFF	6-1
6.2	SECTION AUTHORS AND/OR REVIEWERS	6-1
6.3	REFERENCES CITED	6-1

APPENDICES

Appendix A	Essential Fish Habitat Assessment and Fisheries Biological Assessment
Appendix B	Shoreline Biological Habitat Assessment
Appendix C	Air Quality and Greenhouse Gas Emissions Calculations
Appendix D	Mailing List

LIST OF FIGURES

Figure ES-1.	Project Location	ES-2
Figure ES-2.	Site Map	ES-4
Figure 2-1.	Project Location	2-2
Figure 2-2.	Site Map	2-5
Figure 2-3.	Silt Curtain Layout	2-6
Figure 3-1.	Waters and Wetlands Delineation.....	3-26
Figure 3-2.	Flora, California Natural Diversity Database, 5-Mile Radius	3-28
Figure 3-3.	Fauna, California Natural Diversity Database, 5-Mile Radius	3-29

LIST OF TABLES

Table ES-1.	Environmental Issues and Potentially Significant Impacts	ES-8
Table ES-2.	Summary of Proposed Project Mitigation Measures	ES-8
Table 1-1.	Other Agencies with Review/Approval over Project Activities.....	1-4
Table 1-2.	Major Coastal Laws, Regulations, and Policies (Multiple Environmental Issues)	1-5
Table 3.1-1.	Laws, Regulations, and Policies (Aesthetics)	3-4
Table 3.2-1.	Laws, Regulations, and Policies (Agriculture and Forest Resources)	3-8
Table 3.3-1.	National and California Ambient Air Quality Standards and Attainment Status	3-12
Table 3.3-2.	Criteria Air Pollutant Significance Thresholds.....	3-14
Table 3.3-3.	Laws, Regulations, and Policies (Air Quality)	3-18
Table 3.3-4.	Project Removal Activity Equipment Emissions.....	3-21
Table 3.4-1.	Special Status Plant and Wildlife Species	3-27
Table 3.4-2.	Average Delta Smelt Catch off New York Point 1996-2006.....	3-34
Table 3.4-3.	Average Longfin Smelt Catch off New York Point 1996-2006	3-35
Table 3.4-4.	Species with EFH Designated in the Suisun Bay	3-38

Table 3.4-5. Laws, Regulations, and Policies (Biological Resources) 3-39

Table 3.4-6. Special-status Species and Timing in the Lower Estuarine River 3-44

Table 3.5-1. Laws, Regulations, and Policies (Cultural Resources) 3-54

Table 3.6-1. Laws, Regulations, and Policies (Geology and Soils)..... 3-60

Table 3.7-1. Laws, Regulations, and Policies (GHGs)..... 3-64

Table 3.7-2. Project GHG Emissions 3-66

Table 3.8-1. Laws, Regulations, and Policies (Hazards and Hazardous Materials)..... 3-69

Table 3.9-1. Laws, Regulations, and Policies (Hydrology and Water Quality) 3-77

Table 3.10-1. Laws, Regulations, and Policies (Land Use and Planning)..... 3-84

Table 3.11-1. Laws, Regulations, and Policies (Mineral Resources) 3-89

Table 3.12-1. Laws, Regulations, and Policies (Noise)..... 3-91

Table 3.14-1. Laws, Regulations, and Policies (Public Services) 3-98

Table 3.16-1. Laws, Regulations, and Policies (Transportation/Traffic)..... 3-105

Table 5-1. Mitigation Monitoring Program 5-4