

2020 LA RIVER

MASTER PLAN



DRAFT PROGRAM ENVIRONMENTAL IMPACT REPORT

SCH# 2020070128
FEBRUARY 2021



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PREPARED FOR:

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Contents

Executive Summary	ES-1
ES1.1 Introduction and Background	ES-1
ES1.1.1 Background and Overview	ES-1
ES1.1.2 LA River Master Plan History	ES-1
ES1.1.3 1996 Master Plan and Early Planning Efforts	ES-2
ES1.1.4 Proposed Project Summary	ES-4
ES1.1.5 Proposed Project	ES-5
ES1.1.6 Alternatives Considered	ES-9
ES1.2 Issues to Be Resolved	ES-9
ES1.3 Areas of Controversy.....	ES-10
ES1.4 Summary of Environmental Impacts.....	ES-10
Chapter 1 Introduction	1-1
1.1 Background and Overview	1-1
1.1.1 LA River Master Plan History	1-1
1.1.2 2020 LA River Master Plan	1-3
1.1.3 Master Plan Objectives	1-4
1.1.4 Draft 2020 LA River Master Plan - Public Involvement and Review	1-7
1.2 Overview of the CEQA Process	1-8
1.2.1 Notice of Preparation and Scoping Period.....	1-8
1.2.2 PEIR Public Review and Comment Period.....	1-9
1.2.3 Preparation of the Final EIR and Project Approval	1-10
1.3 About This PEIR	1-11
1.3.1 PEIR	1-11
1.4 Agency Actions Anticipated for the PEIR	1-13
1.4.1 Lead Agency Actions	1-13
1.4.2 Later Activities.....	1-14
Chapter 2 Project Description	2-1
2.1 Introduction	2-1
2.2 Project Location and Overview	2-1
2.2.1 Regional Location and Right-of-Way	2-1
2.2.2 Study Area.....	2-2
2.2.2.1 Potential Location of Subsequent Projects.....	2-2
2.3 LA River Planning Frames.....	2-2
2.3.1 Frame 1: Estuary	2-3

2.3.2	Frame 2: South Plain	2-3
2.3.3	Frame 3: Central Plain.....	2-4
2.3.4	Frame 4: North Plain.....	2-4
2.3.5	Frame 5: Heights.....	2-4
2.3.6	Frame 6: Narrows	2-5
2.3.7	Frame 7: East Valley.....	2-5
2.3.8	Frame 8: Mid Valley	2-6
2.3.9	Frame 9: West Valley	2-6
2.4	2020 LA River Master Plan Objectives	2-7
2.5	Proposed Project—2020 LA River Master Plan.....	2-7
2.5.1	Elements of the 2020 LA River Master Plan and Their Organization for CEQA	2-10
2.5.1.1	Typical Projects	2-10
2.5.1.2	Kit of Parts (KOP).....	2-12
2.5.1.3	Overall 2020 LA River Master Plan Implementation	2-15
2.5.2	2020 LA River Master Plan Design Guidelines	2-16
2.5.2.1	Access and Mobility	2-17
2.5.2.2	Environmental Graphics	2-20
2.5.2.3	Ecology, Habitat, and Planting.....	2-22
2.5.2.4	Facilities and Amenities	2-27
2.5.3	Project Phasing, Construction, Operations/Maintenance Scenarios	2-30
2.5.3.1	Construction Scenarios	2-30
2.5.3.2	Operations Scenarios	2-31
Chapter 3	CEQA Environmental Impact Assessment	3-1
3.0.1	Introduction to the Impact Analysis.....	3-1
3.0.1.1	Organization of the Environmental Analysis	3-1
3.0.1.2	Format of the Environmental Analysis	3-2
3.0.1.3	Impact Determinations in this PEIR.....	3-3
3.0.1.4	County and Non-County Impact Determinations.....	3-3
3.0.2	Cumulative Impacts	3-3
3.0.2.1	Introduction.....	3-3
3.0.2.2	Regulatory Setting and Approach to Cumulative Impacts Analysis	3-3
3.0.2.3	Past, Present, and Reasonably Foreseeable Related Actions.....	3-5
Section 3.1	Aesthetics	3.1-1
3.1.1	Introduction	3.1-1
3.1.2	Setting.....	3.1-1
3.1.2.1	Geographic.....	3.1-1
3.1.2.2	Regulatory.....	3.1-18

3.1.3	Impact Analysis	3.1-57
3.1.3.1	Methods.....	3.1-57
3.1.3.2	Criteria for Determining Significance	3.1-57
3.1.3.3	Impacts and Mitigation Measures.....	3.1-58
Section 3.2	Air Quality	3.2-1
3.2.1	Introduction	3.2-1
3.2.2	Setting	3.2-1
3.2.2.1	Geographic.....	3.2-2
3.2.2.2	Regulatory.....	3.2-10
3.2.3	Impact Analysis	3.2-26
3.2.3.1	Methods for Estimating Emissions	3.2-26
3.2.3.2	Criteria for Determining Significance	3.2-28
3.2.3.3	Impacts and Mitigation.....	3.2-33
Section 3.3	Biological Resources	3.3-1
3.3.1	Introduction	3.3-1
3.3.1.1	Definition of Resources	3.3-1
3.3.1.2	Database Review	3.3-5
3.3.2	Setting	3.3-9
3.3.2.1	Geographic.....	3.3-9
3.3.2.2	Regulatory.....	3.3-39
3.3.3	Impact Analysis	3.3-95
3.3.3.1	Methods.....	3.3-95
3.3.3.2	Criteria for Determining Significance	3.3-98
3.3.3.3	Impacts and Mitigation Measures.....	3.3-99
Section 3.4	Cultural Resources.....	3.4-1
3.4.1	Introduction	3.4-1
3.4.2	Setting	3.4-1
3.4.2.1	Geographic.....	3.4-1
3.4.2.2	Regulatory.....	3.4-22
3.4.3	Resources Within the Project Study Area	3.4-41
3.4.3.1	Identification Efforts and Methods	3.4-41
3.4.3.2	Resources Identified in the Project Study Area	3.4-42
3.4.4	Impact Analysis	3.4-53
3.4.4.1	Methods.....	3.4-53
3.4.4.2	Thresholds of Significance	3.4-54
3.4.4.3	Impacts and Mitigation Measures.....	3.4-54

Section 3.5	Energy	3.5-1
3.5.1	Introduction	3.5-1
3.5.2	Setting	3.5-1
3.5.2.1	Geographic.....	3.5-1
3.5.2.2	Regulatory.....	3.5-12
3.5.3	Impact Analysis	3.5-35
3.5.3.1	Methods.....	3.5-35
3.5.3.2	Criteria for Determining Significance	3.5-37
3.5.3.3	Impacts and Mitigation Measures.....	3.5-37
Section 3.6	Geology, Soils, and Paleontological Resources	3.6-1
3.6.1	Introduction	3.6-1
3.6.2	Setting	3.6-1
3.6.2.1	Geologic Setting.....	3.6-1
3.6.2.2	Regulatory.....	3.6-26
3.6.3	Impact Analysis	3.6-39
3.6.3.1	Methods.....	3.6-39
3.6.3.2	Criteria for Determining Significance	3.6-39
3.6.3.3	Impacts and Mitigation Measures.....	3.6-40
Section 3.7	Greenhouse Gas Emissions	3.7-1
3.7.1	Introduction	3.7-1
3.7.2	Setting	3.7-1
3.7.2.1	Geographic.....	3.7-1
3.7.2.2	Regulatory.....	3.7-5
3.7.3	Impact Analysis	3.7-22
3.7.3.1	Methods for Estimating Emissions	3.7-23
3.7.3.2	Criteria for Determining Significance	3.7-24
3.7.3.3	Impacts and Mitigation Measures.....	3.7-26
Section 3.8	Hazards and Hazardous Materials.....	3.8-1
3.8.1	Introduction	3.8-1
3.8.2	Setting	3.8-2
3.8.2.1	Geographic.....	3.8-2
3.8.2.2	Regulatory.....	3.8-27
3.8.3	Impact Analysis	3.8-40
3.8.3.1	Methods.....	3.8-40
3.8.3.2	Criteria for Determining Significance	3.8-41
3.8.3.3	Impacts and Mitigation Measures.....	3.8-41

Section 3.9 Hydrology and Water Quality	3.9-1
3.9.1 Introduction	3.9-1
3.9.2 Setting	3.9-1
3.9.2.1 Geographic.....	3.9-1
3.9.2.2 Regulatory.....	3.9-13
3.9.3 Impact Analysis	3.9-36
3.9.3.1 Methods.....	3.9-36
3.9.3.2 Criteria for Determining Significance	3.9-37
3.9.3.3 Impacts and Mitigation Measures.....	3.9-37
Section 3.10 Land Use and Planning	3.10-1
3.10.1 Introduction	3.10-1
3.10.2 Setting	3.10-1
3.10.2.1 Geographic.....	3.10-1
3.10.2.2 Relevant Land Use Plans and Policies (Non-Regulatory)	3.10-2
3.10.3 Regulatory	3.10-7
3.10.3.1 Federal	3.10-7
3.10.3.2 State.....	3.10-7
3.10.3.3 Regional	3.10-8
3.10.3.4 Local.....	3.10-10
3.10.4 Impact Analysis	3.10-27
3.10.4.1 Methods.....	3.10-27
3.10.4.2 Criteria for Determining Significance	3.10-27
3.10.4.3 Impacts and Mitigation Measures.....	3.10-28
Section 3.11 Mineral Resources.....	3.11-1
3.11.1 Introduction	3.11-1
3.11.2 Setting	3.11-1
3.11.2.1 Geographic.....	3.11-1
3.11.2.2 Regulatory.....	3.11-5
3.11.3 Impact Analysis	3.11-11
3.11.3.1 Methods.....	3.11-11
3.11.3.2 Criteria for Determining Significance	3.11-11
3.11.3.3 Impacts and Mitigation Measures.....	3.11-12
Section 3.12 Noise.....	3.12-1
3.12.1 Introduction	3.12-1
3.12.1.1 Noise Fundamentals	3.12-1
3.12.1.2 Groundborne Vibration Fundamentals	3.12-6
3.12.2 Setting	3.12-6

3.12.2.1 Geographic.....	3.12-6
3.12.2.2 Regulatory.....	3.12-13
3.12.3 Impact Analysis	3.12-66
3.12.3.1 Methods.....	3.12-66
3.12.3.2 Criteria for Determining Significance	3.12-74
3.12.3.3 Impacts and Mitigation Measures.....	3.12-74
Section 3.13 Population and Housing	3.13-1
3.13.1 Introduction	3.13-1
3.13.2 Setting	3.13-1
3.13.2.1 Geographic.....	3.13-1
3.13.2.2 Regulatory.....	3.13-7
3.13.3 Impact Analysis	3.13-28
3.13.3.1 Methods.....	3.13-28
3.13.3.2 Criteria for Determining Significance	3.13-28
3.13.3.3 Impacts and Mitigation Measures.....	3.13-29
Section 3.14 Public Services.....	3.14-1
3.14.1 Introduction	3.14-1
3.14.2 Setting	3.14-1
3.14.2.1 Geographic.....	3.14-1
3.14.2.2 Regulatory.....	3.14-24
3.14.3 Impact Analysis	3.14-48
3.14.3.1 Methods.....	3.14-48
3.14.3.2 Criteria for Determining Significance	3.14-48
3.14.3.3 Impacts and Mitigation Measures.....	3.14-49
Section 3.15 Recreation.....	3.15-1
3.15.1 Introduction	3.15-1
3.15.2 Setting	3.15-1
3.15.2.1 Geographic.....	3.15-1
3.15.2.2 Regulatory.....	3.15-40
3.15.3 Impact Analysis	3.15-61
3.15.3.1 Methods.....	3.15-61
3.15.3.2 Criteria for Determining Significance	3.15-61
3.15.3.3 Impacts and Mitigation Measures.....	3.15-62
Section 3.16 Transportation	3.16-1
3.16.1 Introduction	3.16-1
3.16.2 Setting	3.16-1
3.16.2.1 Geographic.....	3.16-1

3.16.2.2 Regulatory.....	3.16-5
3.16.3 Impact Analysis	3.16-21
3.16.3.1 Methods.....	3.16-21
3.16.3.2 Criteria for Determining Significance	3.16-23
3.16.3.3 Impacts and Mitigation Measures.....	3.16-24
Section 3.17 Tribal Cultural Resources	3.17-1
3.17.1 Introduction	3.17-1
3.17.2 Setting	3.17-1
3.17.2.1 Geographic.....	3.17-1
3.17.2.2 Regulatory.....	3.17-4
3.17.3 Impact Analysis	3.17-10
3.17.3.1 Methods.....	3.17-10
3.17.3.2 Criteria for Determining Significance	3.17-12
3.17.3.3 Impacts and Mitigation Measures.....	3.17-12
Section 3.18 Utilities/Service Systems	3.18-1
3.18.1 Introduction	3.18-1
3.18.2 Geographic Setting.....	3.18-1
3.18.2.1 Water	3.18-1
3.18.2.2 Sewers and Wastewater Treatment	3.18-16
3.18.2.3 Stormwater	3.18-21
3.18.2.4 Solid Waste	3.18-21
3.18.2.5 Natural Gas.....	3.18-26
3.18.2.6 Electricity.....	3.18-27
3.18.3 Regulatory Setting.....	3.18-33
3.18.3.1 Federal	3.18-33
3.18.3.2 State	3.18-34
3.18.3.3 Regional.....	3.18-38
3.18.3.4 Local	3.18-42
3.18.4 Impact Analysis	3.18-61
3.18.4.1 Methods.....	3.18-61
3.18.4.2 Criteria for Determining Significance	3.18-62
3.18.4.3 Impacts and Mitigation Measures	3.18-62
Section 3.19 Wildfire	3.19-1
3.19.1 Introduction	3.19-1
3.19.2 Setting	3.19-1
3.19.2.1 Geographic.....	3.19-1
3.19.2.2 Regulatory.....	3.19-4

3.19.3	Impact Analysis	3.19-14
3.19.3.1	Methods.....	3.19-14
3.19.3.2	Criteria for Determining Significance	3.19-15
3.19.3.3	Impacts and Mitigation Measures.....	3.19-15
Chapter 4	Other CEQA Considerations	4-1
4.1	Significant Unavoidable Adverse Environmental Impacts	4-1
4.1.1	Aesthetics (Section 3.1)	4-2
4.1.2	Air Quality (Section 3.2)	4-2
4.1.3	Cultural Resources (Section 3.4)	4-3
4.1.4	Greenhouse Gas Emissions (Section 3.7).....	4-6
4.1.5	Land Use and Planning (Section 3.10)	4-7
4.1.6	Noise (Section 3.12)	4-9
4.1.7	Public Services (Section 3.14)	4-10
4.1.8	Recreation (Section 3.15).....	4-11
4.1.9	Transportation (Section 3.16)	4-11
4.1.10	Tribal Cultural Resources (Section 3.17).....	4-12
4.1.11	Utilities/Service Systems (Section 3.18)	4-14
4.1.12	Wildfire (Section 3.19)	4-15
4.2	Impacts Found to Be Less than Significant with Mitigation for Later Activities Carried Out by the County and Significant Unavoidable When Not Carried Out by the County.....	4-17
4.3	Impacts Found to Be Less than Significant.....	4-22
4.3.1	No Impacts	4-22
4.3.2	Impacts Found to Be Less than Significant	4-23
4.4	Growth-Inducement and Indirect Impacts	4-30
4.5	Irreversible Environmental Changes	4-31
Chapter 5	Alternatives.....	5-1
5.1	Introduction	5-1
5.2	Alternatives Considered.....	5-1
5.2.1	Alternative A – No Project	5-2
5.2.2	Alternative B – Channel Avoidance Alternative.....	5-6
5.3	Alternatives Considered but Eliminated from Detailed Consideration	5-8
5.3.1	In-Channel Alternative	5-8
5.3.2	Adjacent Parcel Improvements Alternative.....	5-8
5.3.3	Naturalize the LA River Alternative.....	5-8
5.3.4	Watershed Restoration Alternative.....	5-9
5.3.5	Single and Combined Kit of Parts Alternatives	5-9

5.3.6	Large-Scale Floodplain Reclamation Alternative	5-10
5.3.7	Regional Upstream Detention Alternative	5-11
5.3.8	Reduced 2020 LA River Master Plan Project Study Area Alternative	5-11
5.4	Environmental Evaluation of CEQA Alternatives	5-11
5.4.1	Environmental Evaluation of Alternative A	5-12
5.4.2	Environmental Evaluation of Alternative B.....	5-31
5.5	Environmentally Preferred and Superior Alternative	5-54
Chapter 6	List of Preparers	6-1
6.1	County of Los Angeles.....	6-1
6.1.1	Los Angeles County Public Works.....	6-1
6.1.2	Technical Reviewers.....	6-1
6.1.3	County of Los Angeles Office of the County Counsel	6-2
6.1.4	Technical Reviewers outside of LA County	6-2
6.2	ICF.....	6-2
6.2.1	Project Management	6-2
6.2.2	Technical	6-2
6.2.3	Communications and Stakeholder Engagement.....	6-3
6.2.4	Editing	6-3
6.3	Subconsultants – Fehr & Peers	6-4
Chapter 7	References	7-1
7.1	Chapter 1, Introduction.....	7-1
7.2	Chapter 2, Project Description.....	7-1
7.3	Chapter 3, CEQA Environmental Impact Assessment.....	7-1
7.3.1	Section 3.1, Aesthetics	7-1
7.3.2	Section 3.2, Air Quality	7-6
7.3.3	Section 3.3, Biological Resources.....	7-10
7.3.4	Section 3.4, Cultural Resources	7-16
7.3.5	Section 3.5, Energy	7-22
7.3.6	Section 3.6, Geology, Soils, and Paleontological Resources	7-27
7.3.7	Section 3.7, Greenhouse Gas Emissions	7-30
7.3.8	Section 3.8, Hazards and Hazardous Materials	7-33
7.3.9	Section 3.9, Hydrology and Water Quality	7-35
7.3.10	Section 3.10, Land Use and Planning.....	7-38
7.3.11	Section 3.11, Mineral Resources	7-42
7.3.12	Section 3.12, Noise	7-42
7.3.13	Section 3.13, Population and Housing.....	7-45
7.3.14	Section 3.14, Public Services	7-47

7.3.15	Section 3.15, Recreation.....	7-51
7.3.16	Section 3.16, Transportation	7-55
7.3.17	Section 3.17, Tribal Cultural Resources	7-58
7.3.18	Section 3.18, Utilities/Service Systems.....	7-59
7.3.19	Section 3.19, Wildfire	7-65
7.4	Chapter 4, Other CEQA Considerations	7-66
7.5	Chapter 5, Alternatives	7-66

Appendix A Notice of Preparation and Scoping Comments

A.1 Notice of Preparation

A.2 Scoping Comments

Appendix B 2020 LA River Master Plan Design Guidelines – Draft

Appendix C Air Quality and Greenhouse Gas Emissions

Appendix D Biological Resources

D.1 Agency Letters

D.2 Special Status Species Potential to Occur Table

Appendix E Cultural Resources

Appendix F Energy Calculations

Appendix G Noise Measurements

Appendix H Transportation Impact Assessment

Appendix I TCR Tribal Consultation Letters

Tables

Table	Page
ES-1 Proposed Project: 2020 LA River Master Plan – Six Categories of the Kit of Parts with Design Components	ES-8
ES-1 Summary of Environmental Impacts of the Proposed Project.....	ES-11
2-1 Proposed Project: 2020 LA River Master Plan—Six Categories of the Kit of Parts with Design Components	2-9
2-2 2020 LA River Master Plan: Subsequent Project Size Distribution.....	2-16
2-3 Access and Mobility Design Guidelines: Key Features	2-18
2-4 Environmental Graphics Design Guidelines: Key Features	2-20
2-5 Ecology, Habitat, and Planting Design Guidelines: Key Features	2-22
2-6 Facilities and Amenities Design Guidelines: Key Features	2-28
3-1 Department of Finance Population Growth Estimates (Los Angeles County)	3-6
3.1-1 Local Plans: Applicable Goals, Policies, and Objectives of the Los Angeles County General Plan Related to Aesthetics	3.1-20
3.1-2 Local Plans: Applicable Goals, Policies, and Objectives of the City of Long Beach General Plan Related to Aesthetics	3.1-23
3.1-3 Local Plans: Applicable Goals, Policies, and Objectives of General Plans Related to Aesthetics within Frame 2.....	3.1-27
3.1-4 Local Plans: Applicable Goals, Policies, and Objectives of General Plans Related to Aesthetics within Frame 3.....	3.1-32
3.1-5 Local Plans: Applicable Goals, Policies, and Objectives of General Plans Related to Aesthetics within Frame 4.....	3.1-40
3.1-6 Local Plans: Applicable Goals, Policies, and Objectives of the City of Los Angeles General Plan Related to Aesthetics within Frame 5.....	3.1-42
3.1-7 Local Plans: Applicable Goals, Policies, and Objectives of the City of Glendale General Plan Related to Aesthetics within Frame 6.....	3.1-53
3.1-8 Local Plans: Applicable Goals, Policies, and Objectives of the City of Burbank General Plan Related to Aesthetics within Frame 7	3.1-55
3.1-9 Consistency with County General Plan Design Goals and Policies.....	3.1-71

3.1-10	Consistency of the Common Elements Typical Project with Land Use/Design Goals and Policies	3.1-78
3.1-11	Consistency of the Multi-Use Trails and Access Gateways Typical Project with Land Use/Design Goals and Policies	3.1-78
3.1-12	Consistency of KOP Category 1 with Land Use/Design Goals and Policies	3.1-80
3.1-13	Consistency of KOP Category 2 with Land Use/Design Goals and Policies	3.1-81
3.1-14	Consistency of KOP Category 3 with Land Use/Design Goals and Policies	3.1-81
3.1-15	Consistency of KOP Category 4 with Land Use/Design Goals and Policies	3.1-82
3.1-16	Consistency of KOP Category 5 with Land Use/Design Goals and Policies	3.1-83
3.1-17	Consistency of KOP Category 6 with Land Use/Design Goals and Policies	3.1-83
3.2-1	Ambient Air Quality Data in Los Angeles County (2016–2018)	3.2-8
3.2-2	Federal and State Ambient Air Quality Standards	3.2-11
3.2-3	Federal and State Attainment Status for the Los Angeles County Portion of the South Coast Air Basin	3.2-13
3.2-4	SCAQMD Significance Thresholds (pounds per day)	3.2-29
3.2-5	Common Elements Typical Project Daily Construction-Period Regional Mass Emissions (pounds per day)	3.2-38
3.2-6	Common Elements Typical Project Daily Construction Period Localized Onsite Emissions (pounds per day)	3.2-39
3.2-7	Common Elements Typical Project Daily Operation Regional Mass Emissions (pounds per day)	3.2-40
3.2-8	Common Elements Typical Project Daily Operation Period Localized Onsite Emissions (pounds per day)	3.2-40
3.2-9	Multi-Use Trails and Access Gateways Typical Project Daily Construction-Period Regional Mass Emissions (pounds per day)	3.2-41
3.2-10	Multi-Use Trails and Access Gateways Typical Project Daily Construction Period Localized Onsite Emissions (pounds per day)	3.2-42
3.2-11	Multi-Use Trails and Access Gateways Typical Project Daily Operation Regional Mass Emissions (pounds per day)	3.2-43
3.2-12	Multi-Use Trails and Access Gateways Typical Project Daily Operation Period Localized Onsite Emissions (pounds per day)	3.2-43
3.3-1	CNDDDB Special-Status Wildlife Observed within the LA River Study Area	3.3-11

3.3-2	CNDDDB Special-Status Plants Observed within the LA River Study Area	3.3-11
3.3-3	Special-Status Wildlife Species with Potential to Occur within the 2020 LA River Master Plan Frames.....	3.3-13
3.3-4	Historical Annual Precipitation.....	3.3-18
3.3-5	Vegetation Communities and Land Cover Types, Acreages, Sensitivities, and Locations within the LA River Study Area	3.3-19
3.3-6	Acreages of Vegetation Communities and Land Cover Types within the LA River Study Area, Frame 1	3.3-26
3.3-7	Acreages of Vegetation Communities and Land Cover Types within the LA River Study Area, Frames 2 to 5	3.3-27
3.3-8	Acreages of Vegetation Communities and Land Cover Types within the LA River Study Area, Frames 6 to 8	3.3-28
3.3-9	Acreages of Vegetation Communities and Land Cover Types within the LA River Study Area, Frame 9	3.3-29
3.3-10	Mapped CNDDDB Sensitive Vegetation Communities within the LA River Study Area	3.3-30
3.3-11	Applicable City Municipal Code Ordinances for Biological Resources	3.3-59
3.3-12	City Tree Ordinances	3.3-68
3.3-13	Applicable City Community Plans, Master Plans, and Other Regulations for Biological Resources	3.3-89
3.4-1	City of Long Beach Historical Resources within 1 mile to Either Side of the LA River.....	3.4-44
3.4-2	City of Los Angeles Historical Resources within 1 mile to Either Side of the LARiver.....	3.4-44
3.4-3	City of Cudahy “Old Houses” within 1 mile of the LA River	3.4-51
3.4-4	City of Bell Significant Sites within 1 mile of the LA River	3.4-52
3.4-5	City of Glendale Historic Resources within 1 mile of the LA River	3.4-52
3.4-6	City of Burbank Historic Resources within 1 mile of the LA River	3.4-52
3.4-7	Cities With No Historical Resources within 1 mile of the LA River.....	3.4-53
3.5-1	Energy Consumption in California and Los Angeles County in 2018.....	3.5-2
3.5-2	Southern California Projected Annual Gas Requirements Through Year 2035.....	3.5-3

3.5-3	City of Long Beach Energy Resources Department Projected Annual Gas Requirements Through Year 2035	3.5-4
3.5-4	SCE Energy Resources for Electricity Generation in 2018	3.5-6
3.5-5	LADWP Energy Resources for Electricity Generation in 2018	3.5-7
3.5-6	LADWP Forecasted Growth in Annual Peak Energy Demand	3.5-7
3.5-7	VPU Energy Resources for Electricity Generation in 2018	3.5-8
3.5-8	GWP Energy Resources for Electricity Generation in 2018.....	3.5-9
3.5-9	BWP Energy Resources for Electricity Generation in 2018	3.5-10
3.5-10	Applicable Los Angeles County General Plan Goals and Policies Related to Energy Resources	3.5-15
3.5-11	Applicable Goals and Policies Related to Energy Resources from Cities Located Within Frame 1.....	3.5-19
3.5-12	Applicable Goals and Policies Related to Energy Resources from Cities Located Within Frame 2.....	3.5-24
3.5-13	Applicable Goals and Policies Related to Energy Resources from Cities Located Within Frame 3.....	3.5-27
3.5-14	Applicable Goals and Policies Related to Energy Resources from Cities Located Within Frame 4.....	3.5-30
3.6-1	Principal Faults and Maximum Moment Magnitude	3.6-3
3.6-2	Geologic Units by Frame and Paleontological Sensitivity in the Study Area.....	3.6-6
3.6-3	Description of Main Geologic Units from the Paleontological Analysis.....	3.6-7
3.6-4	Previously Recorded Paleontological Localities by Frame in the Study Area	3.6-9
3.7-1	Lifetimes and Global Warming Potential of Key Greenhouse Gases	3.7-4
3.7-2	California Greenhouse Gas Emissions Inventory 2007–2017.....	3.7-5
3.7-3	Local Greenhouse Gas Emissions (metric tons per year)	3.7-5
3.7-4	Annual GHG Emissions Associated with the Common Elements Typical Project	3.7-27
3.7-5	Estimated Annual GHG Emissions Resulting from the Multi-Use Trails and Access Gateways Typical Project	3.7-34
3.7-6	Consistency of the Common Elements Typical Project with the 2017 Scoping Plan.....	3.7-49
3.7-7	Consistency of the Common Elements Typical Project with 2020 CCAP Measures.....	3.7-51

3.7-8	Consistency of the Common Elements Typical Project with CAAP Priority Mitigation Actions	3.7-56
3.7-9	Consistency of the Common Elements Typical Project with City of Burbank GGRP Measures	3.7-58
3.8-1	Hazardous Materials Site Types within the Study Area	3.8-46
3.9-1	Beneficial Uses of Waterbodies with Potential to Be Affected by the Project	3.9-4
3.9-2	Water Quality Impairments within the Project Alignment	3.9-4
3.9-3	Federal Emergency Management Agency Flood Hazard Zones	3.9-9
3.10-1	County General Plan Relevant General Plan Policies and Objectives	3.10-9
3.10-2	City of Los Angeles General Plan Goals and Policies (Frame 1, Frame 5, Frame 6, Frame 7, Frame 8, and Frame 9)	3.10-12
3.10-3	Existing Land Uses by Frame	3.10-21
3.10-4	General Plan Land Use Designations by Frame	3.10-22
3.10-5	Existing Zoning by Frame.....	3.10-25
3.10-6	Consistency of Common Elements Typical Projects with Land Use/Recreation Goals and Policies.....	3.10-37
3.10-7	Consistency of Multi-Use Trails and Access Gateways Typical Projects with Land Use/Recreation and Policies.....	3.10-38
3.10-8	Consistency of KOP Category 1 and 2 with Land Use/Recreation and Policies.....	3.10-41
3.10-9	Consistency of KOP Category 3, 4, and 5 with Land Use/Recreation and Policies.....	3.10-43
3.10-10	Consistency of KOP Category 6 with Land Use/Recreation and Policies	3.10-45
3.10-11	Consistency with Los Angeles County General Plan, SCAG Connect SoCal Plan, and other Regional Plan Policies	3.10-46
3.11-1	Mineral Resources by Frames	3.11-3
3.11-2	Oil Fields and Oil and Gas Wells by Frame	3.11-4
3.12-1	Definitions of Acoustical Terms.....	3.12-2
3.12-2	Typical A-Weighted Sound Levels	3.12-3
3.12-3	Summary of Noise Measurement Results (Long Term)1	3.12-7
3.12-4	Summary of Noise Measurement Results (Short Term)1	3.12-8
3.12-5	Construction Vibration Damage Criteria	3.12-14

3.12-6	DHS Community Noise Exposure (Ldn or CNEL).....	3.12-14
3.12-7	Caltrans Guideline Vibration Damage Criteria	3.12-15
3.12-8	Caltrans Guideline Vibration Annoyance Criteria	3.12-16
3.12-9	Construction Equipment Reference Noise Levels for the Common Elements Typical Project	3.12-67
3.12-10	Construction Equipment Reference Noise Levels for the Multi-Use Trails and Access Gateways Typical Project.....	3.12-69
3.12-11	Construction Equipment Reference Vibration Levels	3.12-71
3.12-12	Guidelines Vibration Damage Potential Threshold Criteria	3.12-71
3.12-13	Guidelines Vibration Annoyance Potential Criteria.....	3.12-72
3.12-14	Operational Noise Level – Common Elements.....	3.12-73
3.12-15	Operational Noise Level – Common Elements (City of Long Beach).....	3.12-93
3.12-16	Operational Noise Level – Common Elements Typical Project (City of Carson)	3.12-94
3.12-17	Operational Noise Level – Common Elements (City of Compton)	3.12-95
3.12-18	Operational Noise Level – Common Elements (City of Paramount)	3.12-96
3.12-19	Operational Noise Level – Common Elements (County of Los Angeles).....	3.12-97
3.12-20	Operational Noise Level – Common Elements (City of Lynwood)	3.12-98
3.12-21	Operational Noise Level – Common Elements (City of South Gate)	3.12-99
3.12-22	Operational Noise Level – Common Elements (City of Cudahy)	3.12-100
3.12-23	Operational Noise Level – Common Elements (City of Bell Gardens).....	3.12-102
3.12-24	Operational Noise Level – Common Elements (City of Bell)	3.12-103
3.12-25	Operational Noise Level – Common Elements (City of Maywood)	3.12-103
3.12-26	Operational Noise Level – Common Elements (City of Vernon)	3.12-105
3.12-27	Operational Noise Level – Common Elements (City of Los Angeles)	3.12-106
3.12-28	Operational Noise Level – Common Elements (City of Glendale)	3.12-107
3.12-29	Operational Noise Level – Common Elements (City of Burbank).....	3.12-108
3.12-30	Summary of Common Elements Typical Project and Multi-Use Trails and Access Gateways Typical Project Construction-Related Impacts	3.12-123
3.12-31	Common Elements Typical Project Distance to the County’s Threshold	3.12-135

3.12-32	Common Elements Typical Project Distance to the City of South Gate's Threshold.....	3.12-137
3.12-33	Multi-Use Trails and Access Gateways Typical Project Distance to the County's Threshold.....	3.12-139
3.12-34	Multi-Use Trails and Access Gateways Project Distance to the City of Long Beach's Threshold	3.12-140
3.12-35	Multi-Use Trails and Access Gateways Projects Distance to the City of South Gate's Threshold.....	3.12-141
3.13-1	Total Population in the County and Local Jurisdictions	3.13-2
3.13-2	Regional and Local Race/Ethnicity Distribution (by percentage)	3.13-3
3.13-3	Current Housing Data	3.13-4
3.13-4	Housing Growth Estimates	3.13-4
3.13-5	Median Household Income	3.13-6
3.13-6	Employment Growth	3.13-7
3.13-7	Los Angeles County RHNA within the Study Area	3.13-8
3.13-8	Land Use Element – Community Plans.....	3.13-15
3.14-1	Police Service Providers for Jurisdictions in LA River Study Area.....	3.14-2
3.14-2	Long Beach Police Department Stations in LA River Study Area.....	3.14-3
3.14-3	City of Los Angeles Police Department Stations in LA River Study Area	3.14-3
3.14-4	Los Angeles County Sheriff's Department Stations in LA River Study Area	3.14-4
3.14-5	Bell Police Department Stations in LA River Study Area	3.14-4
3.14-6	Bell Gardens Police Department Stations in LA River Study Area	3.14-5
3.14-7	Vernon Police Department Stations in LA River Study Area	3.14-5
3.14-8	Glendale Police Department Stations in LA River Study Area	3.14-5
3.14-9	Burbank Police Department Stations in LA River Study Area.....	3.14-6
3.14-10	Fire Service Providers for Jurisdictions in LA River Study Area	3.14-6
3.14-11	Long Beach Fire Department Stations.....	3.14-7
3.14-12	City of Los Angeles City Fire Department Stations	3.14-7
3.14-13	Los Angeles County Fire Department Stations.....	3.14-8
3.14-14	Vernon Fire Department Stations	3.14-9

3.14-15	Glendale Fire Department Stations	3.14-10
3.14-16	School Providers for Jurisdictions in LA River Study Area	3.14-10
3.14-17	Long Beach Unified School District Schools in LA River Study Area	3.14-11
3.14-18	Los Angeles Unified School District Schools in LA River Study Area	3.14-13
3.14-19	Compton Unified School District Schools in LA River Study Area	3.14-19
3.14-20	Lynwood Unified School District Schools in LA River Study Area.....	3.14-19
3.14-21	Paramount Unified School District Schools in LA River Study Area	3.14-20
3.14-22	Montebello Unified School District Schools in LA River Study Area	3.14-21
3.14-23	Glendale Unified School District Schools in LA River Study Area	3.14-21
3.14-24	Burbank Unified School District Schools in LA River Study Area	3.14-22
3.14-25	Los Angeles County Public Library Branches in LA River Study Area	3.14-23
3.14-26	Long Beach Public Library Branches in LA River Study Area	3.14-24
3.14-27	Burbank Public Library Branches in LA River Study Area	3.14-24
3.14-28	Glendale Library Branches in LA River Study Area	3.14-24
3.14-29	Los Angeles County General Plan Goals and Policies	3.14-26
3.14-30	City of Long Beach Goals, Policies, and Objectives	3.14-27
3.14-31	City of Los Angeles General Plan Goals, Policies, and Objectives	3.14-28
3.14-32	City of Carson General Plan Goals, Policies, and Implementation Measures	3.14-37
3.14-33	City of Compton General Plan Goals and Policies	3.14-38
3.14-34	City of Cudahy General Plan Goals and Policies	3.14-38
3.14-35	City of Downey General Plan Goals, Policies, and Programs	3.14-39
3.14-36	City of Lynwood General Plan Goals, Policies, and Implementation Measures.....	3.14-40
3.14-37	City of Paramount General Plan Policies	3.14-41
3.14-38	City of South Gate General Plan Goals, Objectives, and Policies	3.14-42
3.14-39	City of Bell General Plan Issues and Policies	3.14-43
3.14-40	City of Bell Gardens General Plan Policies.....	3.14-44
3.14-41	City of Commerce General Plan Policies	3.14-44
3.14-42	City of Huntington Park General Plan Goals and Policies.....	3.14-45

3.14-43	City of Maywood General Plan Goals and Policies	3.14-46
3.14-44	City of Vernon General Plan Goals and Policies	3.14-46
3.14-45	City of Glendale General Plan Goals and Policies.....	3.14-47
3.14-46	City of Burbank General Plan Policies	3.14-48
3.15-1	Los Angeles County Park Classifications.....	3.15-3
3.15-2	City of Long Beach Park Classifications	3.15-4
3.15-3	Frame 1: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-4
3.15-4	Parks and Recreational Resources within Frame 1	3.15-5
3.15-5	Access Points to the LA River Trail in Frame 1	3.15-8
3.15-6	Frame 2: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-9
3.15-7	Parks and Recreational Resources within Frame 2	3.15-10
3.15-8	Access Points to the LA River Trail within Frame 2	3.15-11
3.15-9	Frame 3: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-12
3.15-10	Parks and Recreational Resources within Frame 3	3.15-14
3.15-11	Access Points to the LA River Trail within Frame 3	3.15-16
3.15-12	Frame 4: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-17
3.15-13	Parks and Recreational Resources within Frame 4	3.15-18
3.15-14	Access Points to the LA River Trail within Frame 4	3.15-20
3.15-15	Frame 5: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-21
3.15-16	Parks and Recreational Resources within Frame 5	3.15-21
3.15-17	Access Points to the LA River within Frame 5	3.15-25
3.15-18	Frame 6: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-25
3.15-19	Parks and Recreational Resources within Frame 6	3.15-26
3.15-20	Access Points to the LA River Trail within Frame 6	3.15-29

3.15-21	Frame 7: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-31
3.15-22	Parks and Recreational Resources within Frame 7	3.15-32
3.15-23	Frame 8: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-34
3.15-24	Parks and Recreational Resources within Frame 8	3.15-35
3.15-25	Access Points to the LA River Trail and Trail within Frame 8	3.15-36
3.15-26	Frame 9: Existing Park Acreage Based on Countywide Park Needs Assessment Study Areas and Adopted Park Acreage Standards.....	3.15-37
3.15-27	Parks and Recreational Resources within Frame 9	3.15-38
3.15-28	Access Points to the LA River Trail within Frame 9	3.15-39
3.15-29	Los Angeles County General Plan Goals and Policies	3.15-42
3.15-30	City of Long Beach Goals, Policies, and Objectives	3.15-43
3.15-31	City of Los Angeles General Plan Goals, Policies, and Objectives	3.15-45
3.15-32	Carson General Plan Goals, Policies, and Implementation Measures	3.15-49
3.15-33	City of Compton General Plan Goals and Policies	3.15-50
3.15-34	Cudahy 2040 General Plan Goals and Policies	3.15-51
3.15-35	Downey Vision 2025 General Plan Goals, Policies, and Programs	3.15-51
3.15-36	City of Lynwood General Plan Goals, Policies, and Implementation Measures.....	3.15-52
3.15-37	Paramount General Plan Policies	3.15-53
3.15-38	South Gate General Plan 2035 Goals, Objectives, and Policies	3.15-54
3.15-39	City of Bell 2030 General Plan Issues and Policies	3.15-55
3.15-40	City of Bell Gardens General Plan 2010 Policies.....	3.15-56
3.15-41	City of Commerce 2020 General Plan Policies	3.15-56
3.15-42	City of Huntington Park General Plan Goals and Policies.....	3.15-57
3.15-43	City of Maywood General Plan Goals and Policies.....	3.15-58
3.15-44	City of Vernon General Plan Goals and Policies	3.15-59
3.15-45	City of Glendale General Plan Objectives and Policies.....	3.15-60
3.15-46	Burbank 2035 General Plan Policies.....	3.15-60

3.16-1	Existing Transportation Amenities by Frame	3.16-2
3.16-2	Typical Projects – VMT Impact Evaluation Matrix.....	3.16-34
3.16-3	Kit of Parts Components – VMT Impact Evaluation Matrix.....	3.16-41
3.16-4	Percent Change in Land Area with VMT Below the County Baseline.....	3.16-58
3.18-1	2015 IWRP Update Total Level of Average-Year Supply Targeted (Acre-Feet)	3.18-3
3.18-2	Projections of Existing and Under-Construction Local Supplies by Project Type (Acre-Feet)	3.18-3
3.18-3	Projected MWD Water Demand by Type of Use (Acre-Feet).....	3.18-4
3.18-4	Projected Water Supplies CBMWD (Acre-Feet)	3.18-7
3.18-5	CBMWD Projected Demands for Potable and Raw Water (Acre-Feet).....	3.18-7
3.18-6	Recycled Water Use Projections 2025–2040	3.18-8
3.18-7	LADWP Projected Water Demand 2025 to 2040	3.18-9
3.18-8	Projected Water Demand (City of Glendale) – Acre-Feet	3.18-15
3.18-9	Projected Water Demands (City of Burbank) – Acre-Feet	3.18-16
3.18-10	Projected MWD Demands (City of Burbank) – Acre-Feet	3.18-16
3.18-11	Summary of City of Los Angeles Wastewater Collection System.....	3.18-18
3.18-12	Other Jurisdictions’ Wastewater Treatment	3.18-20
3.18-13	Local Solid Waste Collection Services	3.18-22
3.18-14	Southern California Projected Annual Gas Requirements through Year 2035	3.18-26
3.18-15	Projected Energy Demand (LADWP)	3.18-28
3.18-16	SCE Energy Resources for Electricity Generation in 2018	3.18-29
3.18-17	Conventional Sources of Electricity – BWP	3.18-31
3.18-18	Burbank Water and Power Renewable Power Sources	3.18-31
3.18-19	Energy Demand Forecasts – Burbank Water and Power	3.18-32
3.18-20	GWP Electric Power Service Statistics	3.18-32
3.18-21	Energy Demand Forecast 2020-2038 (GWP).....	3.18-33
3.18-22	Los Angeles County General Plan Goals, Objectives, and Policies	3.18-40
3.18-23	City of Los Angeles General Plan Goals, Objectives, and Policies in Frames 1 and 5 through 9	3.18-45

3.18-24	Other General Plan Policies and Objectives	3.18-48
3.18-25	Common Elements Typical Project Water Demand (Operation)	3.18-73
3.19-1	Very High FHSZs Acreage in Each Frame	3.19-3
5-1	KOP Categories and Design Components for the Channel Avoidance Alternative	5-7
5-2	Summary of Comparison of Impacts of the Alternatives to the Proposed Project.....	5-11

Figures

Figure	Page
2-1 LA River Watershed	2-32
2-2 LA River and Adjacent Land Cross-Section	2-32
2-3 LA River and Tributaries: Operation and Maintenance Responsibilities for Flood- Management Structures	2-32
2-4 LA River Study Area and Planning Frames.....	2-32
2-5 Frame 1: Estuary.....	2-32
2-6 Frame 2: South Plain	2-32
2-7 Frame 3: Central Plain	2-32
2-8 Frame 4: North Plain	2-32
2-9 Frame 5: Heights	2-32
2-10 Frame 6: Narrows.....	2-32
2-11 Frame 7: East Valley	2-32
2-12 Frame 8: Mid Valley.....	2-32
2-13 Frame 9: West Valley.....	2-32
2-14 Common Elements Typical Project.....	2-32
2-15 Common Elements Typical Project Rendering	2-32
2-16 Common Elements Typical Project Layout.....	2-32
2-17 Common Elements Typical Project: Example Configuration of a Tier III Pavilion	2-32
2-18 Multi-Use Trails and Access Gateways Typical Project (Trapezoidal Channel and Box Channel).....	2-32
2-19 Multi-Use Trails and Access Gateways Typical Project Cross-Section.....	2-32
2-20 KOP 1: Trails and Access Gateways (Trapezoidal and Box Channel)	2-32
2-21 KOP 2: Channel Modifications (Trapezoidal Channel and Box Channel).....	2-32
2-22 KOP 3: Crossings and Platforms (Trapezoidal Channel and Box Channel)	2-32
2-23 KOP 4: Diversions (Trapezoidal Channel and Box Channel)	2-32
2-24 KOP 5: Floodplain Reclamation (Trapezoidal Channel and Box Channel)	2-32

2-25	KOP 6: Off-Channel Land Assets (Trapezoidal Channel and Box Channel).....	2-32
3.1-1	Typical Views of the LA River in Frame 1.....	on 3.1-4
3.1-2	Typical Views of the LA River in Frame 2.....	on 3.1-6
3.1-3	Typical Views of the LA River in Frame 3.....	on 3.1-8
3.1-4	Typical Views of the LA River in Frame 4.....	on 3.1-9
3.1-5	Typical Views of the LA River in Frame 5.....	on 3.1-11
3.1-6	Typical Views of the LA River in Frame 6.....	on 3.1-13
3.1-7	Typical Views of the LA River in Frame 7.....	on 3.1-14
3.1-8	Typical Views of the LA River in Frame 8.....	on 3.1-16
3.1-9	Typical Views of the LA River in Frame 9.....	on 3.1-18
3.3-1	Land Cover and Vegetation Communities Index.....	3.3-8
3.3-2	Land Cover and Vegetation Communities within Frame 1	3.3-8
3.3-3	Land Cover and Vegetation Communities within Frame 2	3.3-8
3.3-4	Land Cover and Vegetation Communities within Frame 3	3.3-8
3.3-5	Land Cover and Vegetation Communities within Frame 4	3.3-8
3.3-6	Land Cover and Vegetation Communities within Frame 5	3.3-8
3.3-7	Land Cover and Vegetation Communities within Frame 6	3.3-8
3.3-8	Land Cover and Vegetation Communities within Frame 7	3.3-8
3.3-9	Land Cover and Vegetation Communities within Frame 8	3.3-8
3.3-10	Land Cover and Vegetation Communities within Frame 9	3.3-8
3.3-11	CNDDDB Special-Status Vegetation Communities, Significant Ecological Areas and Essential Fish Habitat	3.3-8
3.3-12	USFWS Critical Habitat	3.3-8
3.3-13	Jurisdictional Aquatic Resoruces within Frame 1.....	3.3-8
3.3-14	Jurisdictional Aquatic Resoruces within Frame 2.....	3.3-8
3.3-15	Jurisdictional Aquatic Resoruces within Frame 3.....	3.3-8
3.3-16	Jurisdictional Aquatic Resoruces within Frame 4.....	3.3-8
3.3-17	Jurisdictional Aquatic Resoruces within Frame 5.....	3.3-8
3.3-18	Jurisdictional Aquatic Resoruces within Frame 6.....	3.3-8

3.3-19	Jurisdictional Aquatic Resources within Frame 7	3.3-8
3.3-20	Jurisdictional Aquatic Resources within Frame 8.....	3.3-8
3.3-21	Jurisdictional Aquatic Resources within Frame 9.....	3.3-8
3.3-22	Watersheds	3.3-10
3.3-23	CNDDDB Special-Status Wildlife within the LA River Biological Study Area.....	3.3-10
3.3-24	CNDDDB Special-Status Plants within the LA River Biological Study Area	3.3-10
3.3-25	Wildlife Corridors and Linkages in the LA River Biological Study Area	3.3-10
3.3-26	Frame 1 Soils Map	3.3-10
3.3-27	Frame 2 Soils Map	3.3-10
3.3-28	Frame 3 Soils Map	3.3-10
3.3-29	Frame 4 Soils Map	3.3-10
3.3-30	Frame 5 Soils Map	3.3-10
3.3-31	Frame 6 Soils Map	3.3-10
3.3-32	Frame 7 Soils Map	3.3-10
3.3-33	Frame 8 Soils Map	3.3-10
3.3-34	Frame 9 Soils Map	3.3-10
3.3-35	National Wetland Inventory within Frame 1.....	3.3-32
3.3-36	National Wetland Inventory within Frame 2.....	3.3-32
3.3-37	National Wetland Inventory within Frame 3.....	3.3-32
3.3-38	National Wetland Inventory within Frame 4.....	3.3-32
3.3-38	National Wetland Inventory within Frame 5.....	3.3-32
3.3-40	National Wetland Inventory within Frame 6.....	3.3-32
3.3-41	National Wetland Inventory within Frame 7.....	3.3-32
3.3-42	National Wetland Inventory within Frame 8.....	3.3-32
3.3-43	National Wetland Inventory within Frame 9.....	3.3-32
3.3-44	National Wetland Inventory Impacts within Frame 1	3.3-174
3.3-45	National Wetland Inventory Impacts within Frame 7	3.3-174
3.3-46	National Wetland Inventory Impacts within Frame 8.....	3.3-174

3.3-47	National Wetland Inventory Impacts within Frame 9	3.3-174
3.6-1	Frame 1 – Estuary Earthquake Hazard Zones.....	3.6-4
3.6-2	Frame 2 – South Plain Earthquake Hazard Zones	3.6-4
3.6-3	Frame 3 – Central Plain Earthquake Hazard Zones	3.6-4
3.6-4	Frame 4 – North Plain Earthquake Hazard Zones	3.6-4
3.6-5	Frame 5 – Heights Earthquake Hazard Zones	3.6-4
3.6-6	Frame 6 – Narrows Earthquake Hazard Zones.....	3.6-4
3.6-7	Frame 7 – East Valley Earthquake Hazard Zones	3.6-4
3.6-8	Frame 8 – Mid Valley Earthquake Hazard Zones.....	3.6-4
3.6-9	Frame 9 – West Valley Earthquake Hazard Zones.....	3.6-4
3.8-1	Hazmat Cleanup Sites within Frame 1.....	3.8-4
3.8-2	Hazmat Cleanup Sites within Frame 2.....	3.8-4
3.8-3	Hazmat Cleanup Sites within Frame 3.....	3.8-4
3.8-4	Hazmat Cleanup Sites within Frame 4.....	3.8-4
3.8-5	Hazmat Cleanup Sites within Frame 5.....	3.8-4
3.8-6	Hazmat Cleanup Sites within Frame 6.....	3.8-4
3.8-7	Hazmat Cleanup Sites within Frame 7.....	3.8-4
3.8-8	Hazmat Cleanup Sites within Frame 8.....	3.8-4
3.8-9	Hazmat Cleanup Sites within Frame 9.....	3.8-4
3.8-10	Fire Hazard Zones	3.8-66
3.9-1	Frame 1 - Estuary FEMA Flood Zones within the Project Areas.....	3.9-8
3.9-2	Frame 2 – South Plain FEMA Flood Zones within the Project Areas	3.9-8
3.9-3	Frame 3 – Central Plain FEMA Flood Zones within the Project Areas.....	3.9-8
3.9-4	Frame 4 – North Plain FEMA Flood Zones within the Project Areas.....	3.9-8
3.9-5	Frame 5 – Heights FEMA Flood Zones within the Project Areas	3.9-8
3.9-6	Frame 6 – Narrows FEMA Flood Zones within the Project Areas	3.9-8
3.9-7	Frame 7 – East Valley FEMA Flood Zones within the Project Areas.....	3.9-8
3.9-8	Frame 8 – Mid Valley FEMA Flood Zones within the Project Areas	3.9-8

3.9-9	Frame 9 – West Valley FEMA Flood Zones within the Project Areas	3.9-8
3.10-1	Applicable Community Plans – City of Los Angeles	3.10-12
3.10-2	Land Use Designations in Frame 1	3.10-20
3.10-3	Land Use Designations in Frame 2	3.10-20
3.10-4	Land Use Designations in Frame 3	3.10-20
3.10-5	Land Use Designations in Frame 4	3.10-20
3.10-6	Land Use Designations in Frame 5	3.10-20
3.10-7	Land Use Designations in Frame 6	3.10-20
3.10-8	Land Use Designations in Frame 7	3.10-20
3.10-9	Land Use Designations in Frame 8	3.10-20
3.10-10	Land Use Designations in Frame 9	3.10-20
3.11-1	Mineral Resource Zones in Project Study Area	3.11-4
3.11-2	Oil and Gas Field Administrative Boundaries in the Project Study Area	3.11-4
3.11-3	Active Wells in the Project Study Area	3.11-6
3.11-4	Oil and Gas Wells within Frame 1	3.11-6
3.11-5	Oil and Gas Wells within Frame 2	3.11-6
3.11-6	Oil and Gas Wells within Frame 3	3.11-6
3.11-7	Oil and Gas Wells within Frame 4	3.11-6
3.11-8	Oil and Gas Wells within Frame 5	3.11-6
3.11-9	Oil and Gas Wells within Frame 6	3.11-6
3.11-10	Oil and Gas Wells within Frame 7	3.11-6
3.12-1	Noise Measurement Locations.....	3.12-8
3.12-2	Long Term Measurement LT5	on 3.12-9
3.12-3	Long Term Measurement LT4	on 3.12-10
3.12-4	Long Term Measurement LT3	on 3.12-11
3.12-5	Long Term Measurement LT1	on 3.12-12
3.12-6	Long Term Measurement LT2	on 3.12-13
3.14-1	Public Services within Frame 1.....	3.14-2

3.14-2	Public Services within Frame 2.....	3.14-2
3.14-3	Public Services within Frame 3.....	3.14-2
3.14-4	Public Services within Frame 4.....	3.14-2
3.14-5	Public Services within Frame 5.....	3.14-2
3.14-6	Public Services within Frame 6.....	3.14-2
3.14-7	Public Services within Frame 7.....	3.14-2
3.14-8	Public Services within Frame 8.....	3.14-2
3.14-9	Public Services within Frame 9.....	3.14-2
3.15-1.1	Frame 1 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.2	Frame 2 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.3	Frame 3 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.4	Frame 4 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.5	Frame 5 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.6	Frame 6 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.7	Frame 7 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.8	Frame 8 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-1.9	Frame 9 – Parks, Open Space, and Recreational Facilities.....	3.15-2
3.15-2.1	Frame 1 – Trails and Access Points.....	3.15-2
3.15-2.2	Frame 2 – Trails and Access Points.....	3.15-2
3.15-2.3	Frame 3 – Trails and Access Points.....	3.15-2
3.15-2.4	Frame 4 – Trails and Access Points.....	3.15-2
3.15-2.5	Frame 5 – Trails and Access Points.....	3.15-2
3.15-2.6	Frame 6 – Trails and Access Points.....	3.15-2
3.15-2.7	Frame 7 – Trails and Access Points.....	3.15-2
3.15-2.8	Frame 8 – Trails and Access Points.....	3.15-2
3.15-2.9	Frame 9 – Trails and Access Points.....	3.15-2
3.16-1	Existing and Planning Bicycle Facilities in Frames 1, 2, and 3	3.16-2
3.16-2	Existing and Planning Bicycle Facilities in Frames 4, 5, and 6	3.16-2

3.16-3	Existing and Planning Bicycle Facilities in Frames 7, 8, and 9	3.16-2
3.16-4	Existing Public Transit Routes in Frames 1, 2, and 3	3.16-4
3.16-5	Existing Public Transit Routes in Frames 4, 5, and 6	3.16-4
3.16-6	Existing Public Transit Routes in Frames 7, 8, and 9	3.16-4
3.16-7	Roads and Freeways Frames 1, 2, and 3	3.16-4
3.16-8	Roads and Freeways Frames 4, 5, and 6	3.16-4
3.16-9	Roads and Freeways Frames 7, 8, and 9	3.16-4
3.16-10	Trails, Parks, and Trail Access Locations in Frames 1, 2, and 3	3.16-6
3.16-11	Trails, Parks, and Trail Access Locations in Frames 4, 5, and 6	3.16-6
3.16-12	Trails, Parks, and Trail Access Locations in Frames 7, 8, and 9	3.16-6
3.18-1	Regional Water Providers.....	on 3.18-2
3.18-2	Central Basin Recycled Water System.....	on 3.18-6
3.18-3	City of Los Angeles Water Supply 1990–2015.....	on 3.18-9
3.18-4	Southern California Sanitation Districts	on 3.18-17
3.18-5	Available Disposal Capacity (2018).....	on 3.18-23
3.18-6	Top 10 Producers of Solid Waste (2018).....	on 3.18-24
3.19-1	Fire Hazard Map	3.19-4
3.19-2	Frame 5 Fire Hazard Map	3.19-4
3.19-3	Frame 6 Fire Hazard Map	3.19-4
3.19-4	Frame 7 Fire Hazard Map	3.19-4
3.19-5	Frame 8 Fire Hazard Map	3.19-4

Acronyms and Abbreviations

μPa	micropascals
°C	degrees Celsius
°F	degrees Fahrenheit
1996 Master Plan	1996 Los Angeles River Revitalization Master Plan
2017 Scoping Plan	California's 2017 Climate Change Scoping Plan
303(d)-list	Clean Water Act Section 303(d) List of Water Quality–Limited Segments Requiring Total Maximum Daily Loads
AB	Assembly Bill
ACM	asbestos-containing material
ADA	Americans with Disabilities Act
ADT	average daily traffic
AETP	Archaeological Evaluation and Treatment Plan
AF	acre-feet
AFY	acre-feet of water per year
AHMP	All-Hazards Mitigation Plan
AMP	Archaeological Monitoring Plan
API	area of potential impact
AQMP	air quality management plan
ARB	California Air Resources Board
BA	Biological Assessment
Basin	South Coast Air Basin
Basin Plan	<i>Water Quality Control Plan: Los Angeles Region Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties</i>
Bcf	billion cubic feet
BERD	Built Environment Resource Directory
BGEPA	Bald and Golden Eagle Protection Act
Bgs	below ground surface
BMP	best management practice
BO	Biological Opinion
Board	Los Angeles County Board of Supervisors
BP	before present
BTU	British thermal unit
BUG	backlight, up-light, and glare
BWP	Burbank Water and Power
BWRP	Burbank Water Reclamation Plant
C&D	construction and demolition
C.F.R.	Code of Federal Regulations
CAA	Clean Air Act
CAAP	Climate Action and Adaptation Plan

CAAQS	California Ambient Air Quality Standards
CAER	Community Awareness and Emergency Response
CAFE	Corporate Average Fuel Economy
CAL FIRE	California Department of Forestry and Fire Protection
Cal OSHA	California Division of Occupational Safety and Health
Cal/EPA	California Environmental Protection Agency
CalEEMod	California Emissions Estimator Model
CalGEM	California Department of Conservation, Geologic Energy Management Division
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CalWORKs	California Work Opportunity and Responsibility to Kids
CAP	Climate Action Plan
CAER	Community Awareness and Emergency Response
CARB	California Air Resources Board
CBC	California Building Code
CBMWD	Central Basin Metropolitan Water District
CCAA	California Clean Air Act
CCAP	Community Climate Action Plan
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDMG	California Division of Mines and Geology
CEC	California Energy Commission
CEC	California Energy Code
CEHC	California Essential Habitat Connectivity Project
Central Basin	Central Basin within the Coastal Plain of Los Angeles
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFC	California Fire Code
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CGS	California Geological Survey
CH ₄	methane
Channel	LA River Flood Channel
CHL	California Historical Landmark
CHRIS	California Historical Resources Information System
CIMP	Coordinated Integrated Monitoring Plan
CIU	California Immigrant Union
CLG	Certified Local Government

CLOMR	Conditional Letter of Map Revision
CMP	construction management plan
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
Commission	California Building Standards Commission
Construction General Permit	General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities
County	Los Angeles County
County Guidelines	Los Angeles County Department of Public Works Transportation Impact Analysis Guidelines
County MS4 Permit	Waste Discharge Requirements for MS4 Discharges Within the Coastal Watersheds of Los Angeles County, Except Those Discharges Originating from the City of Long Beach MS4
CPTED	Crime Prevention Through Environmental Design
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
CSC	Species of Special Concern
CTC	California Transportation Commission
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibel
dBA	A-weighted decibel
DCFS	Department of Children and Family Services
Design Guidelines	2020 LA River Master Plan Design Guidelines
DHS	Department of Health Services
DLRP	Division of Land Resource Protection
DMH	Department of Mental Health
DMR	Division of Mine Reclamation
DOGGR	Division of Oil, Gas, and Geothermal Resources
DPM	diesel particulate matter
DTSC	Department Toxic Substances Control's
EAP	Energy Action Plan
EFH	essential fish habitat
EFZ	Earthquake Fault Zone
EIM	Energy Imbalance Market
EIR	environmental impact report
EMS	emergency medical services

EO	Executive Order
EOC	Emergency Operations Center
EOP	Emergency Operations Plan
EPA	U.S. Environmental Protection Agency
EPCA	Energy Policy and Conservation Act of 1975
ESA	environmentally sensitive area
ESHA	environmentally sensitive habitat area
ESCP	erosion and sediment control plan
EWMP	Enhanced Watershed Management Program
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHSZ	Fire Hazard Severity Zone
Fire Code	Los Angeles Fire Code
FIRM	flood insurance rate map
FPP	fire protection plan
FRA	Federal Responsibility Area
Framework	Citywide General Plan Framework, an Element of the City of Los Angeles General Plan
FSS	Family Solutions System
FTA	Federal Transit Administration
FTE	full-time equivalent
FY	Fiscal Year
General Permit	General Permit for Storm Water Discharges Associated with Construction Activity
GGRP	Burbank2035 Greenhouse Gas Reduction Plan
GHG	greenhouse gas
GIS	geographic information system
gpm	gallons per minute
GSWC	Golden State Water Company
Guidelines	Transportation Impact Analysis Guidelines
GWh	gigawatt-hours
GWP	Glendale Water and Power
GWP	global warming potential
HA	Homeless Assistance
HACLA	Housing Authority of the City of Los Angeles
HACoLA	Housing Authority of the County of Los Angeles
HAPC	Habitat Areas of Particular Concern
HCM	Historic-Cultural Monument
HCP	habitat conservation plan
Heavy Industrial	MH
HFCs	hydrofluorocarbons
HMP	Hazard Mitigation Plan

HOPICS	Homeless Outreach Program Integrated Care System
“Hot Spots” Act	Air Toxics “Hot Spots” Information and Assessment Act of 1987
HPO	Historic Preservation Ordinance
HPOZ	Historic Preservation Overlay Zone
HRA	health risk assessment
HRMP	Historical Resources Mitigation Plan
HUD	Housing and Urban Development
HVAC	Heating, Ventilating, and Air Conditioning
Hz	Hertz
I-	Interstate
I-5	Golden State Freeway
IBC	International Building Code
IEPR	Integrated Energy Policy Report
IES	Illuminating Engineering Society
IFC	International Fire Code
in/s	inches per second
IPaC	Information, Planning, and Consultation System
IPCC	Intergovernmental Panel on Climate Change
IPP	Intermountain Power Project
IRA	Identified Resource Area
IRP	integrated resource plan
IRWMP	Integrated Regional Water Management Plan
ITP	Incidental Take Permit
IWRP	Integrated Water Resources Plan
JPA	Joint Powers Authority
kHz	kilohertz
KOP	kit of parts
kV	kilovolt
LA River	Los Angeles River
LAA	Los Angeles Aqueducts
LACFCD	Los Angeles County Flood Control District
LACFD	Los Angeles County Fire Department
LACoFD	Los Angeles County Fire Department
LACSD	Los Angeles County Sanitation Districts
LADWP	Los Angeles Department of Water and Power
LAFD	Los Angeles Fire Department
LAGWRP	Los Angeles – Glendale Water Reclamation Plant
LAHSA	Los Angeles Area Homeless Services Agency
LAPD	City of Los Angeles Police Department
LARRMP	Los Angeles River Revitalization Master Plan
LASAN	City of Los Angeles Bureau of Sanitation
LASD	Los Angeles County Sheriff’s Department

LASHP	Los Angeles State Historic Park
LAUSD	Los Angeles Unified School District
LAX	Los Angeles International Airport
LBER	Long Beach Energy Resources Department
LBFD	Long Beach Fire Department
LBMC	Long Beach Municipal Code
LBPD	Long Beach Police Department
LBUSD	Long Beach Unified School District
LBWD	Long Beach Water Department
LBWRP	Long Beach Water Reclamation Plant
LCFS	low carbon fuel standard
L_{dn}	day/night noise level
LED	light-emitting diode
LEED	Leadership in Energy and Environmental Design
L_{eq}	equivalent continuous sound level
LID	Low-Impact Development
LLARRP	Lower Los Angeles River Revitalization Plan
L_{max}	maximum noise level
LOMR	Letter of Map Revision
Long Beach MS4 Permit	Waste Discharge Requirements for MS4 Discharges from the City of Long Beach
LOS	level of service
LRA	Local Responsibility Area
L RTP	Long Range Transportation Plan
LST	localized significance threshold
LT	long-term
LUST	leaking underground storage tank
Magnuson-Stevens Act	Magnuson-Stevens Fishery Conservation and Management Act
Main Basin	Main San Gabriel Groundwater Basin
Manufacturing Light	ML
MATES	Multiple Air Toxics Exposure Study
MBTA	Migratory Bird Treaty Act
MCV	Manual of California Vegetation
MEP	maximum extent practicable
Metro	Los Angeles County Metropolitan Transportation Authority
mgd	million gallons per day
Mineral Resources Project	California Geological Survey Mineral Resources Project
MLD	Most Likely Descendant
MMA	Marine managed area
Mmax	maximum moment magnitude
MMPA	Marine Mammal Protection Act
MMRP	Mitigation Monitoring and Reporting Plan

MMTCO ₂ e	million metric tons of carbon dioxide equivalent
MOU	Memorandum of Understanding
mph	mile per hour
MPO	Metropolitan Planning Organization
MRCA	Mountains Recreation and Conservation Authority
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MTCO ₂ e	metric tons of carbon dioxide equivalent
MUTCD	Manual on Uniform Traffic Control Devices
MW	megawatt
MWD	Metropolitan Water District of Southern California
MWh	megawatt-hour
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NBC	National Broadcasting Corporation
NCCP	natural communities conservation plan
Needs Assessment Study Areas	Los Angeles Countywide Comprehensive Parks & Recreation Needs Assessment Study Areas
NEHRP	National Earthquake Hazards Reduction Program
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFIP	National Flood Insurance Program
NHTSA	National Highway Traffic Safety Administrative
NMFS	National Marine Fisheries Service
NNL	National Natural Landmarks
NO	nitric oxide
NO ₂	nitrogen dioxide
NOAA	National Oceanographic and Atmospheric Administration
NOI	Notice of Intent
NOP	Notice of Preparation
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NPS	National Park Service
NPS Program Plan	<i>Plan for California's Nonpoint Source Pollution Control Program</i>
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
O&M	operations and maintenance
O ₃	ozone
OA	operational area
OAERP	Operational Area Emergency Response Plan

OEM	Office of Emergency Management
OHWM	ordinary high-water mark
OPR	California Governor’s Office of Planning and Research
OSHA	Occupational Safety and Health Administration
OurCounty Sustainability Plan	OurCounty Los Angeles Countywide Sustainability Plan
PAD	Passage Assessment Database
Pb	lead
PBV	Project-Based Voucher
PEIR	program environmental impact report
PFCs	perfluorocarbons
pLAn	City of Los Angeles Sustainable City pLAn
PM	particulate matter
PM ₁₀	particulate matter 10 microns or less in diameter
PM _{2.5}	particulate matter 2.5 microns or less in diameter
POLB	Port of Long Beach
Porter-Cologne	Porter-Cologne Water Quality Control Act
ppm	part per million
PPV	peak particle velocity
PRC	Public Resources Code
Project	2020 LA River Master Plan
PSH	Permanent Supportive Housing
Public Works	Los Angeles County Public Works
PV	photovoltaic
quad	quadrangle
RARE	Rare, Threatened, or Endangered Species
RCNM	Roadway Construction Noise model
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act
Regional Water Board	Regional Water Quality Control Board
RHNA	Regional Housing Needs Assessment
RIO	River Improvement Overlay
River Ranger Plan	Los Angeles River Ranger Program Establishment Plan
RMC	San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Rivers and Mountains Conservancy
ROW	right-of-way
ROWD	Report of Waste Discharge
RPS	Renewables Portfolio Standard
RPZ	Runway Protection Zone
RTP	regional transportation plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
SAFE	Safer Affordable Fuel-Efficient

SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coastal Information Center
SCE	Southern California Edison
SCS	sustainable communities strategy
SCSC	Southeast Churches Service Center
SDS	Safety Data Sheet
SEAs	Significant Ecological Areas
SEMS	Standardized EMS
sf	square feet
SF ₆	sulfur hexafluoride
SFHA	special flood hazard area
SFM	State Fire Marshal
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SJVAPCD	San Joaquin Valley Air Pollution Control District
SLCP	short-lived climate pollutant
SLF	Sacred Lands File
SMARA	Surface Mining and Reclamation Act
SMGB	State Mining and Geology Board
SMMC	Santa Monica Mountains Conservancy
SO ₂	sulfur dioxide
SoCalGas	Southern California Gas Company
SQMP	Stormwater Quality Management Plan
SR-	State Route
SRA	source receptor area
SRA	State Responsibility Area
SRO	Single Room Occupancy
SSMP	Sewer System Management Plan
ST	short-term
State	State of California
STIP	Statewide Transportation Improvement Program
Strategies	Chief Executive Officer's Homeless Initiative's 47 strategies
STRMU	Short Term Rent, Mortgage, and Utility Assistance
SVP	Society of Vertebrate Paleontology
SWP	State Water Project
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SZ	Scientific Resource Zones
TAC	toxic air contaminant

Tanner Act	Toxic Air Contaminant Identification and Control Act
TBSH	Tenant Based Supportive Housing program
TCR	tribal cultural resource
TDM	transportation demand management
the Board	Board of Forestry and Fire Protection
the Ports	Port of Los Angeles and Port of Long Beach
TIA	Transportation Impact Analysis
TISG	Transportation Impact Study Guide
TMDL	Total Maximum Daily Load
TNM	Traffic Noise Model
TNW	traditional navigable water
TPA	transit priority areas
TPD	tons per day
USEPA	Environmental Protection Agency
UBC	Uniform Building Code
UCLA	University of California, Los Angeles
UPRR	Union Pacific Railroad
US	United States Route
USACE	U.S. Army Corps of Engineers
USC	United States Code
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGBC	United States Green Building Council
USGS	U.S. Geological Survey
UST	underground storage tank
UWMP	Urban Water Management Plan
V/C	volume-to-capacity
VA	Veterans Affairs
VAMCs	Veterans at VA medical centers
VH FHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
VOC	volatile organic compound
VPU	Vernon Public Utilities
Walkability Checklist	City of Los Angeles Walkability Checklist Guidance for Entitlement Review
WCA	Watershed Conservation Authority
WDR	waste discharge requirement
WEAP	worker environmental awareness program
West Coast Basin	West Coast Basin within the Coastal Plain of Los Angeles
WQS	water quality standard
WMP	wildfire mitigation plan
WMP	Watershed Management Program

Working Group
WUI

Lower Los Angeles River Working Group
Wildland-Urban Interface