

# TABLE OF CONTENTS

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<b>1</b>	<b>SUMMARY .....</b>	<b>1-1</b>
1.1	Introduction.....	1-1
1.2	Summary Description of the Project Alternatives .....	1-1
1.3	Environmental Impacts and Mitigation Measures .....	1-5
1.4	Areas of Controversy .....	1-5
1.5	Issues to Be Resolved .....	1-6
<b>2</b>	<b>INTRODUCTION.....</b>	<b>2-1</b>
2.1	Purpose and Preparation of This Document .....	2-1
2.2	Project Background.....	2-2
2.3	Summary Description of the Proposed Project.....	2-5
2.4	Project Consistency with Regional Flood and Floodplain Management Efforts .....	2-9
2.5	Type of EIR.....	2-12
2.6	EIR Scope .....	2-12
2.7	Intended Uses of the EIR/Agency Roles and Responsibilities .....	2-13
2.8	Notice of Preparation and Public Scoping.....	2-15
2.9	Documents Incorporated by Reference.....	2-15
2.10	Organization of this Document.....	2-16
2.11	Standard Terminology .....	2-17
2.12	Public Participation and Additional Steps in the CEQA Review Process .....	2-18
<b>3</b>	<b>PROJECT PURPOSE, NEED, AND DEVELOPMENT .....</b>	<b>3-1</b>
3.1	Project Purpose and Objectives .....	3-1
3.2	Need for Improved Flood Protection .....	3-2
3.3	Development of the Feather River Levee Repair Project .....	3-5
<b>4</b>	<b>DESCRIPTION OF THE PROPOSED PROJECT .....</b>	<b>4-1</b>
4.1	Introduction.....	4-1
4.2	Project Planning History .....	4-8
4.3	Alternative 1—The Levee Strengthening Alternative .....	4-9
4.4	Alternative 2—The Levee Strengthening and ASB Setback Levee Alternative.....	4-22
4.5	Alternative 3—The Levee Strengthening and Intermediate Setback Levee Alternative.....	4-41
4.6	Implementation .....	4-50

**5 ENVIRONMENTAL ANALYSIS..... 5-1**

5.1 Land Use ..... 5.1-1

5.2 Geology, Soils, and Mineral Resources ..... 5.2-1

5.3 Water Resources and River Geomorphology ..... 5.3-1

5.4 Fisheries ..... 5.4-1

5.5 Terrestrial Biological Resources..... 5.5-1

5.6 Recreation ..... 5.6-1

5.7 Aesthetic Resources ..... 5.7-1

5.8 Cultural Resources ..... 5.8-1

5.9 Air Quality ..... 5.9-1

5.10 Noise ..... 5.10-1

5.11 Transportation and Circulation ..... 5.11-1

5.12 Public Services, Utilities, and Service Systems..... 5.12-1

5.13 Paleontological Resources ..... 5.13-1

**6 CUMULATIVE IMPACTS ..... 6-1**

6.1 CEQA Requirements ..... 6-1

6.2 Projects with Effects Similar to Those of the Proposed Project ..... 6-2

6.3 Cumulative Impact Analysis..... 6-21

**7 OTHER CEQA-REQUIRED SECTIONS ..... 7-1**

7.1 Growth-Inducing Effects ..... 7-1

7.2 Areas of Known Controversy ..... 7-10

7.3 Irreversible or Irrecoverable Commitments of Resources..... 7-11

7.4 Unresolved Issues ..... 7-11

**8 ALTERNATIVES ..... 8-1**

8.1 CEQA Requirements ..... 8-1

8.2 Alternatives Screening Process..... 8-2

8.3 Project Alternatives Evaluated in This EIR..... 8-7

8.4 Comparison of the Environmental Effects of the Alternatives..... 8-10

8.5 Environmentally Superior Alternative..... 8-17

**9 CONSULTATION AND COORDINATION..... 9-1**

9.1 Public Involvement ..... 9-1

9.2 Yuba-Feather Work Group Involvement ..... 9-2

9.3 Informal Consultation with Agencies ..... 9-3

9.4 Notification and Consultation List..... 9-3

**10 REFERENCES..... 10-1**

**11 PREPARERS OF THE ENVIRONMENTAL DOCUMENT ..... 11-1**

**TABLES**

1-1 Summary Comparison of Features of the FRLRP Alternatives..... 1-3

1-2 Summary Comparison of Feather River Water Elevations of the FRLRP Alternatives ..... 1-4

1-3a Summary of Impacts and Mitigation Measures—The Levee Strengthening Alternative (Alternative 1)..... 1-7

1-3b Summary of Impacts and Mitigation Measures—The Levee Strengthening and ASB Setback Levee Alternative (Alternative 2)..... 1-42

1-3c Summary of Impacts and Mitigation Measures—The Levee Strengthening and Intermediate Setback Levee Alternative (Alternative 3) ..... 1-74

  

4-1 Summary of Borrow Material Requirements for Alternative 1 ..... 4-19

4-2 Feather River Flow Frequencies and Water Elevations in the ASB Levee Setback Area..... 4-32

4-3 Summary of Borrow Material Requirements for Alternative 2 ..... 4-32

4-4 Feather River Flow Frequencies and Water Elevations in the Intermediate Levee Setback Area ..... 4-47

4-5 Summary of Borrow Material Requirements for Alternative 3 ..... 4-48

  

5.2-1 Faults in the Vicinity of the Project Area ..... 5.2-8

5.2-2 Soil Mapping Units Identified by Project Segment ..... 5.2-12

5.2-3 Soil Mapping Unit Descriptions for Soil Types in the Project Area ..... 5.2-15

5.2-4 California Division of Mines and Geology Mineral Land Classification System ..... 5.2-18

  

5.3-1 Average Mean, Maximum, and Minimum Monthly Flows (cfs) on the Feather and Yuba Rivers ..... 5.3-12

5.3-2 Design Target Flows for Various Levees in the Project Vicinity ..... 5.3-13

5.3-3 Summary of Conventional Water Quality Constituents in the Feather and Yuba Rivers ..... 5.3-24

5.3-4 Concentrations of Trace Metals Detected in Feather and Yuba River Sediment ..... 5.3-25

  

5.4-1 Interim Instream Flow Requirements for the Lower Yuba River Included in Revised Decision 1644 ..... 5.4-4

5.4-2 Minimum Flow Requirements for the Feather River..... 5.4-4

5.4-3 Fishes Present in the Lower Feather and Yuba Rivers ..... 5.4-7

5.4-4 Special-Status Fish Species Potentially Occurring in the Lower Feather and Yuba Rivers ..... 5.4-8

**Tables (CONTINUED)**

5.5-1 Special-Status Plant Species with Potential to Occur in the Project Vicinity..... 5.5-19

5.5-2 Special-Status Wildlife Species with Potential to Occur in the Project Vicinity ..... 5.5-20

5.8-1 Summary of Previous Investigations within 1/4 Mile of the Project Area..... 5.8-13

5.8-2 Summary of Cultural Resources in the Project Area..... 5.8-19

5.9-1 Ambient Air Quality Standards and Attainment Designations..... 5.9-2

5.9-2 Summary of Annual Air Quality Data from the Yuba City–Almond Street  
Monitoring Station..... 5.9-14

5.9-3 Summary of Maximum Daily Average Construction Emissions for Alternative 1.... 5.9-19

5.9-4 Summary of Maximum Daily Average Construction Emissions for Alternative 2.... 5.9-24

5.9-5 Standard Factors Used in Evaluating Fugitive Dust Emissions..... 5.9-26

5.9-6 Summary of Maximum Daily Average Construction Emissions with Mitigation  
Incorporated..... 5.9-30

5.10-1 Recommended Objectives for Ambient Allowable Noise Levels in Yuba County.... 5.10-5

5.10-2 Yuba County Noise Regulations..... 5.10-5

5.10-3 Modeled Existing Vehicular Traffic-Noise Levels on State Route 70 and Feather  
River Boulevard..... 5.10-8

5.10-4 Typical Equipment Noise Levels..... 5.10-11

5.10-5 Typical Construction Equipment Vibration Levels ..... 5.10-13

6-1 Land Use Conversions Involving Important Farmland ..... 6-6

8-1 Summary of the Environmental Effects of the Alternatives..... 8-12

**FIGURES**

2-1 Regional Setting..... 2-3

2-2 Areas Flooded in January 1997..... 2-4

2-3 FRLRP Project Area ..... 2-7

4-1 FRLRP Project Features ..... 4-3

4-2 Preliminary Design for Levee Strengthening Measures ..... 4-13

4-3 Preliminary Plan View and Typical Cross Sections for the ASB Setback Levee ..... 4-27

4-4 Expected Frequency and Magnitude of Flooding of the Levee Setback Areas from  
River Flows..... 4-31

**Figures (CONTINUED)**

4-5 Preliminary Plan View and Typical Cross Sections for the Intermediate Setback  
Levee..... 4-45

5.1-1 Conservation Areas in the Project Vicinity ..... 5.1-7

5.1-2 Important Farmland Map ..... 5.1-9

5.2-1 Geologic Formations in the Project Area..... 5.2-5

5.2-2 Soil Types in the Project Area ..... 5.2-13

5.3-1 Drainage Features in the Vicinity of Project Segment 1..... 5.3-17

5.3-2 Drainage Features in the Vicinity of Project Segment 2..... 5.3-19

5.3-3 Drainage Features in the Vicinity of Project Segment 3..... 5.3-21

5.5-1a Habitat Types and Elderberry Shrub Locations within the Project Area..... 5.5-5

5.5-1b Habitat Types and Elderberry Shrub Locations within the Project Area..... 5.5-7

5.5-1c Habitat Types and Elderberry Shrub Locations within the Project Area..... 5.5-9

5.5-2 CNDDDB Recorded Occurrences of Sensitive Biological Resources in the Project  
Vicinity ..... 5.5-17

5.7-1 Views In and Near Project Segment 1 ..... 5.7-4

5.7-2 Views In and Near Project Segment 2 ..... 5.7-6

5.7-1 Views In and Near Project Segment 3 ..... 5.7-8

5.8-1a Cultural Resources Surveys Conducted in the Project Area..... 5.8-7

5.8-1b Cultural Resources Surveys Conducted in the Project Area..... 5.8-9

5.10-1 Typical Indoor and Outdoor Noise Levels..... 5.10-2

5.11-1 Roads in the Vicinity of the Proposed Feather River Levee Repair Project Area..... 5.11-3

5.12-1 Public Utilities, Service Systems, and Structures in the Vicinity of Project  
Segment 1..... 5.12-5

5.12-2 Public Utilities, Service Systems, and Structures in the Vicinity of Project  
Segment 2..... 5.12-7

5.12-3 Public Utilities, Service Systems, and Structures in the Vicinity of Project  
Segment 3..... 5.12-9

5.13-1 Paleontologically Sensitive Rock Formations in the Project Area ..... 5.13-3

**VOLUME II - APPENDICES**

- A Project Scoping
- B Hydraulic and Hydrologic Analysis
- C Geomorphic Analysis
- D Native American Consultation
- E Construction-Related Emissions Calculations and Fugitive Dust Control Requirements
- F Traffic Noise Measurements and Construction Noise Calculations

**ACRONYMS**

°C	degrees Celsius
°F	degrees Fahrenheit
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter
AADT	Annual Average Daily Traffic
AEP	annual exceedance probability
af	acre-feet
AQAP	air quality attainment plan
ARB	California Air Resources Board
ASB	Above Star Bend
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measure
BACT	Best Available Control Techniques
BMP	best management practice
BOSC	Board of Senior Consultants
BP	Before Present
BSB	Below Star Bend
CAA	Clean Air Act
CAAA	Clean Air Act Amendments of 1990
CaCO <sub>3</sub>	calcium carbonate
Cal-EPA	California Environmental Protection Agency
CALFED	CALFED Bay-Delta Program
Caltrans	California Department of Transportation
CCAA	California Clean Air Act of 1988
CCR	California Code of Regulations
CDMG	California Division of Mines and Geology
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
CNDDB	California Natural Diversity Data Base
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	carbon monoxide

Corps	U.S. Army Corps of Engineers
County	Yuba County
CRHR	California Register of Historical Resources
CTR	California Toxics Rule
CWA	Clean Water Act
cy	cubic yards
dB	decibel
dBA	A-weighted dB
DEIR	draft environmental impact report
Delta	Sacramento–San Joaquin Delta
DFG	California Department of Fish and Game
DHS	California Department of Health Services
DO	dissolved oxygen
DSM	deep soil-mixing
DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
EC	electrical conductivity
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
ER-L	Effects Range–Low
ER-M	Effects Range–Median
ERP	Ecosystem Restoration Program
ESA	Endangered Species Act
ESU	evolutionarily significant unit
F-BRLSP	Feather-Bear Rivers Levee Setback Project
F-CO	Forecast-Coordinated Operations of Lake Oroville and New Bullards Bar Reservoir for Major Storms
FEIR	final environmental impact report
FEMA	Federal Emergency Management Agency
FIP	Federal Implementation Plan
FIRM	Flood Insurance Rate Map
FMMP	Farmland Mapping and Monitoring Program
fossils	paleontological resources
FRAQMD	Feather River Air Quality Management District
FRCRM	Feather River Coordinated Resource Management
FRLRP	Feather River Levee Repair Project
GPS	Global Positioning System

H:V	horizontal:vertical
HAP	hazardous air pollutant
Holocene	Recent
ITE	Institute of Traffic Engineers
kV	kilovolt
lb/day	pounds per day
LD	Levee District
LESA	Land Evaluation and Site Assessment
LOS	level of service
MACT	Maximum Available Control Technology
MBTA	Migratory Bird Treaty Act
MCL	maximum contaminant level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MLD	Most Likely Descendant
mm	millimeter
mph	miles per hour
MRL	method reporting limit
MRZ	Mineral Resource Zone
msl	mean sea level
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NAWQA	National Water Quality Assessment
NCIC	North Central Information Center
NEHRP	National Earthquake Hazards Reduction Program
NEHRPA	National Earthquake Hazards Reduction Program Act
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for HAPS
ng/L	nanograms per liter
NGVD	National Geodetic Vertical Datum
NMFS	National Marine Fisheries Service
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NO <sub>3</sub>	nitrogen trioxide
NOI	Notice of Intent
NOP	Notice of Preparation

NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSVAB	Northern Sacramento Valley Air Basin
NWS	National Weather Service
O <sub>3</sub>	ozone
OES	Governor’s Office of Emergency Services
OPUD	Olivehurst Public Utility District
PG&E	Pacific Gas and Electric Company
PIR	<i>Problem Identification Report, TRLIA Phase 4 Feather River and Yuba River Left Bank Levees, Reclamation District No. 784</i>
PL	Public Law
PLM	Project Levee Mile
PM	particulate matter
PM&E	protection, mitigation, and enhancement
PM <sub>10</sub>	respirable particulate matter
PM <sub>2.5</sub>	fine particulate matter
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
ppm	parts per million
PRG	preliminary remediation goal
RBDD	Red Bluff Diversion Dam
RCRA	Resource Conservation and Recovery Act
RD	Reclamation District
RM	river mile
ROG	reactive organic gases
RWQCB	Regional Water Quality Control Board
SACOG	Sacramento Area Council of Governments
SIP	State Implementation Plan
SMARA	California Surface Mining and Reclamation Act
SO <sub>2</sub>	sulfur dioxide
SOP	<i>Standard Operating Procedure Engineering Design Guidance 2003 (SOP EDG-03) for Geotechnical Levee Practice</i>
SR	State Route
SRFCP	Sacramento River Flood Control Project
SVP	Society of Vertebrate Paleontology
SWP	State Water Project
SWPPP	Storm Water Pollution Prevention Plan

SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
T-BACT	Best Available Control Techniques for TACs
TDS	total dissolved solids
TMDL	total maximum daily load
TPY	tons per year
TRLIA	Three Rivers Levee Improvement Authority
UCMP	University of California Museum of Paleontology
USDA	U.S. Department of Agriculture
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WDR	waste discharge requirement
WPIC	Western Pacific Interceptor Canal
YCWA	Yuba County Water Agency
Y-FSFCP	Yuba-Feather Supplemental Flood Control Project
Y-FWG	Yuba-Feather Work Group