Index

Affected Environment, 4-1, 5-43
Agricultural Barriers, 3-3
Air Quality, 1-4, 1-6, 5-31, 5-38, 5-39, 5-123
Allocation, 3-3
Allocation and Forecasts, 3-3
Alternative 1, 1-2 to 1-7, 1-13, 3-21 to 3-56, 3-57, 3-58, 3-60, 3-61, 3-63, 3-64,
    Project-Level Effects, Water Quality, 5-4 to 5-10
    Project-Level Effects, Surface Water Supply, 5-11 to 5-17
    Project-Level Effects, Groundwater Resources, 5-17 to 5-26
    Project-Level Effects, Indian Trust Assets, 5-26 to 5-31
    Project-Level Effects, Air Quality, 5-31 to 5-39
    Project-Level Effects, Greenhouse Gas Emissions, 5-39 to 5-42
    Project-Level Effects, Visual Resources, 5-42 to 5-43
    Project-Level Effects, Aquatic Resources, 5-43 to 5-77
    Project-Level Effects, Terrestrial Biological Resources, 5-77 to 5-89
    Project-Level Effects, Regional Economics, 5-89 to 5-95
    Project-Level Effects, Land Use and Agricultural Resources, 5-96 to 5-104
    Project-Level Effects, Recreation, 5-104 to 5-107
    Project-Level Effects, Environmental Justice, 5-107 to 5-108

Project-Level Effects, Power, 5-109 to 5-112
Project-Level Effects, Noise, 5-112 to 5-114
Project-Level Effects, Hazards and Hazardous Materials, 5-114 to 5-116
Project-Level Effects, Cultural Resources, 5-116 to 5-118
Project-Level Effects, Geology and Soils, 5-118 to 5-120
Program-Level Effects, Water Quality, 5-120 to 5-121
Program-Level Effects, Surface Water Supply, 5-121 to 5-122
Program-Level Effects, Groundwater Resources, 5-122 to 5-122
Program-Level Effects, Indian Trust Assets, 5-122 to 5-123
Program-Level Effects, Air Quality, 5-123 to 5-124
Program-Level Effects, Greenhouse Gas Emissions, 5-124 to 5-125
Program-Level Effects, Visual Resources, 5-125 to 5-125
Program-Level Effects, Aquatic Resources, 5-125 to 5-127
Program-Level Effects, Terrestrial Biological Resources, 5-127 to 5-128
Program-Level Effects, Regional Economics, 5-128 to 5-129
Program-Level Effects, Land Use and Agricultural Resources, 5-129 to 5-130
Program-Level Effects, Recreation, 5-130 to 5-131
Program-Level Effects, Environmental Justice, 5-131 to 5-131
Program-Level Effects, Power, 5-131 to 5-132
Program-Level Effects, Noise, 5-132 to 5-132
Program-Level Effects, Hazards and Hazardous Materials, 5-132 to 5-133
Program-Level Effects, Geology and Soils, 5-133 to 5-134

Alternative 2, 1-2 to 1-4, 3-56 to 3-58, 3-60, 3-61, See Project-Level Effects under Alternative 1. See Program-Level Effects under Alternative 1.

Alternative 3, 1-3 to 1-8, 3-58 to 3-61, See Project-Level Effects under Alternative 1. See Program-Level Effects under Alternative 1.

Alternative 4, 1-3 to 1-7, 3-61 to 3-65, See Project-Level Effects under Alternative 1. See Program-Level Effects under Alternative 1.

Alternative Formulation, 3-1

American River Fisheries, 4-27

Analysis Overview, 1-3

Aquatic Resources, 1-4, 1-6, 4-34, 5-4, 5-43, 5-125

Barrier, 1-11, 3-3, 4-25, 5-69, 5-70

Bay-Delta, 1-3, 1-5, 1-7, 1-9, 2-1, 2-2, 3-11, 3-12 to 3-22, 3-32, 3-36, 3-51, 3-56, 3-57, 3-58, 3-59, 3-60, 3-62, 3-64, 4-13, 4-34, 4-37 to 4-39, 5-7, 5-8, 5-10, 5-29, 5-38, 5-41, 5-42, 5-68, 5-74, 5-79, 5-80, 5-100, 5-101, 5-104, 5-118, 5-120, 5-126, 5-127, 5-133, 5-134

Bay-Delta Fisheries, 4-34

Bay-Delta Operations, 4-34

Clear Creek Fisheries, 4-23

Climate Change, 5-134, 5-135

Components Common to All Alternatives, 3-2

Consultation and Coordination, 6-1

Controversy, 1-8

Coordinated Operation Agreement, 2-1, 3-2, 3-16

Cultural Resources, 1-6, 5-116, 5-123

Cumulative, 3-41, 5-3, 5-120, 5-123, 5-124, 5-126, 5-128, 5-129

Cumulative Effects, 5-120

CVP Water Contracts, 3-2

CVPIA, 1-13, 2-1, 2-2, 3-1, 3-2, 3-20, 3-27, 3-35, 3-53, 3-54, 3-64, 4-13, 4-22

Environmental Consequences, 5-1, 5-2, 5-3

Environmental Justice, 5-107, 5-131

Feather River Fisheries, 4-25

Fisheries:

American River, 1-3, 1-5, 2-3, 3-11, 3-12, 3-22, 3-34, 3-35, 3-49, 3-57, 3-59, 3-60, 3-62, 3-64, 4-10, 4-11, 4-13, 4-14, 4-19, 4-26 to 4-28, 4-41, 5-4, 5-11, 5-26, 5-38, 5-41, 5-62, 5-63, 5-73, 5-74, 5-77, 5-86, 5-95, 5-103, 5-118, 5-119, 5-126, 5-134, 5-136

Bay-Delta, 4-34

Clear Creek, 1-3, 1-4, 2-3, 3-9, 3-10, 3-22, 3-27, 3-33, 3-49, 3-57, 3-60, 3-62, 3-63, 4-1, 4-10, 4-13, 4-14, 4-15, 4-17, 4-20 to 4-23, 5-4, 5-26, 5-28, 5-43, 5-48 to 5-55, 5-73, 5-77, 5-103, 5-118, 5-120, 5-126, 5-127

Feather River, 1-2, 2-3, 3-2, 3-10, 3-22, 3-34, 3-57, 3-59, 3-60, 3-62, 3-63, 4-11 to 4-20, 4-23 to 4-25, 4-33, 4-37, 4-39, 4-41, 5-26, 5-28, 5-29, 5-59 to 5-61, 5-77 to 5-79, 5-100, 5-118, 5-136

Sacramento River, 1-3, 1-5, 1-7, 1-12, 2-2, 2-3, 3-2, 3-4 to 3-9, 3-18, 3-24, 3-27, 3-30 to 3-33, 3-38, 3-46, 3-47, 3-50, 3-
Index

55, 3-57, 3-58, 3-60, 3-61, 3-62, 4-9 to 4-20, 4-23, 4-25, 4-26, 4-27, 4-30, 4-33 to 4-39, 4-41, 4-42, 5-4, 5-5, 5-7, 5-9, 5-11, 5-26, 5-28, 5-30, 5-38, 5-41, 5-51 to 5-58, 5-68, 5-69, 5-70, 5-72, 5-73, 5-77 to 5-79, 5-86, 5-92, 5-95, 5-97 to 5-101, 5-103 to 5-108, 5-118, 5-119, 5-126, 5-127, 5-136

San Joaquin River, 1-3, 1-5, 1-11, 1-12, 2-1 to 2-3, 3-3, 3-13 to 3-23, 3-40, 3-41, 3-46, 3-49, 3-50, 3-52, 3-53, 3-58, 3-61, 3-62, 3-64, 4-13, 4-14, 4-18, 4-20, 4-29, 4-30 to 4-39, 4-41, 5-5 to 5-8, 5-12, 5-29, 5-30, 5-38, 5-41, 5-42, 5-67 to 5-70, 5-92 to 5-95, 5-97 to 5-104, 5-114, 5-118, 5-126, 5-133 to 5-136, 6-2

Stanislaus River, 1-3, 1-5, 2-3, 3-15, 3-20, 3-49, 3-52, 3-53, 3-58, 3-61, 3-64, 4-13, 4-14, 4-29, 4-30, 4-31, 4-33, 4-39, 4-41, 5-5, 5-6, 5-26, 5-29, 5-38, 5-41, 5-64, 5-65, 5-66, 5-67, 5-118, 5-119, 5-120, 5-126, 5-127

Trinity River Division, 3-7, 3-8, 3-33, 3-57, 3-60, 3-63, 4-12, 5-95, 5-125, 5-126, 5-127

Geology and Soils, 5-26, 5-118, 5-133

Governance, 3-8, 3-53

Greenhouse Gas Emissions, 1-6, 5-39, 5-124

Groundwater Resources, 5-17

Growth Inducing Impacts, 6-1

Hazards and Hazardous Materials, 1-7, 5-108, 5-114, 5-132

Indian Trust Assets, 5-26, 5-122

Irreversible and Irretrievable Commitment of Resources, 6-1

Issues, 1-13

Keswick Dam to Red Bluff, 4-10

Land Use and Agricultural Resources, 5-96, 5-129

Major Conclusions, 1-2

Mitigation Measures, 5-2, 5-10, 5-31, 5-38, 5-42, 5-76, 5-84, 5-87, 5-103, 5-114, 5-116, 5-117, 5-119

Modeling Methodology, 5-3

Nearshore Pacific Ocean, 2-3, 4-40, 5-72, 5-76

No Action Alternative, 1-2 to 1-7, 1-8, 2-1, 3-2 to 3-21, 3-23, 3-33, 3-34, 3-36, 3-38, 3-39, 3-52, 3-53, 3-56, 3-57, 3-59, 3-60, 3-61, 3-63, 3-64, See Project-Level Effects under Alternative 1. See Program-Level Effects under Alternative 1.

Noise, 1-7, 5-77, 5-83, 5-84, 5-112, 5-114, 5-132

Other NEPA Considerations, 6-1

Power, 3-11, 4-24, 5-31, 5-33, 5-39, 5-109, 5-110, 5-131, 6-2

Preferred Alternative, 1-13

Program-Level Effects, 5-10, 5-17, 5-30, 5-38, 5-41, 5-42, 5-72, 5-79, 5-95, 5-102, 5-107, 5-108, 5-112, 5-114, 5-117, 5-119

Project Background, 1-1

Project-Level Effects, 5-4, 5-11, 5-18, 5-26, 5-31, 5-39, 5-42, 5-43, 5-77, 5-89, 5-96, 5-104, 5-107, 5-109, 5-112, 5-114, 5-117, 5-118

Purpose and Need, 2-1, 2-2

Recreation, 5-104, 5-130

Red Bluff to the Delta, 4-10

Regional Economics, 1-5, 1-7, 5-89, 5-107, 5-128

Relationship between Short-Term Uses and Long-Term Productivity, 6-1
Resources Not Analyzed in Detail, 5-1

Sacramento River Fisheries, 4-13, 4-23, 4-27, 4-30, 4-33, 4-34

San Joaquin River Fisheries, 4-33

Scope, 1-13, 5-1

Stanislaus River Fisheries, 4-30

Suisun Marsh Preservation Agreement, 3-3

Surface Water Supply, 1-3, 5-11, 5-18

SWP Water Contracts, 3-2

Terrestrial Biological Resources, 4-41, 4-42, 5-77

Tribal Consultation, 6-2

Trinity River Fisheries, 4-4

Trinity River Region, 4-1, 4-4, 4-40, 5-94, 5-95

Upper Sacramento River (Shasta and Sacramento Divisions), 3-4, 3-23, 3-57

Visual Resources, 5-42, 5-125

Water Quality, 1-3, 1-6, 2-1, 3-20, 3-36, 3-37, 3-47, 5-4, 5-10, 5-31, 5-46, 5-120, 5-126