

# Index

---

## A

Affected Environment 0-47, 4-1, 5-1, 6-1, 7-1, 8-1, 9-1, 10-1, 11-1, 12-1, 13-1, 14-1, 15-1, 16-1, 17-1, 18-1, 19-1, 20-1, 21-1  
Agricultural Barriers ..... 3-15  
Air Quality ..... 9-1, 9-2, 9-7, 9-8, 9-14  
American River ..... 12-1, 12-2  
Aquatic Resources ..... 4-15, 5-10, 7-3, 12-59  
Avoidance and Minimization Measures .. 0-47, 4-15, 5-10, 6-18, 7-3, 8-3, 9-14, 10-14, 11-5, 12-58, 13-12, 14-12, 15-11, 16-6, 17-7, 18-10, 19-3, 20-11, 21-5

---

## B

Bay-Delta 0-1, 0-3, 0-4, 0-6, 3-1, 3-65, 3-66, 4-1, 4-7, 4-8, 4-10, 5-5, 6-4, 11-1, 11-6, 12-1, 12-2, 12-12, 12-17, 12-19, 12-22, 12-47, 12-57, 13-1, 13-10, 13-12, 16-2, 16-5, 20-2, 20-9, 21-5, 23-3

---

## C

Clear Creek ..... 12-1, 12-2  
Climate Change... 0-38, 1-3, 4-2, 5-2, 6-5, 6-6, 7-2, 8-2, 9-1, 10-1, 10-2, 10-14, 11-2, 12-8, 12-20, 12-23, 12-24, 13-3, 14-2, 14-3, 15-2, 16-3, 17-4, 18-4, 19-1, 19-2, 20-3, 21-7  
Common Components 0-28, 3-2, 3-20, 3-38, 3-42, 3-60, 3-67, 13-10  
Consultation and Coordination ..... 23-4  
Coordinated Operation Agreement ..... 2-1, 3-2  
Cultural Resources ..... 8-1, 8-2, 8-3  
Cumulative Impacts.. 4-15, 4-16, 5-11, 6-18, 7-4, 8-3, 9-14, 10-14, 11-5, 11-6, 12-24, 12-59, 13-12, 14-12, 15-11, 16-6, 17-8, 18-10, 19-3, 20-11, 21-5, 21-6  
CVPIA . 0-2, 0-8, 0-21, 2-1, 3-5, 3-14, 3-61, 5-3, 12-8, 12-10, 12-11, 12-12, 12-15, 13-5, 13-6, 13-10

---

## E

Effects of the Alternatives ... 4-1, 5-2, 6-5, 7-2, 8-2, 9-1, 10-2, 11-2, 12-23, 13-3, 14-2, 15-2, 16-2, 17-3, 18-4, 19-1, 20-2  
Environmental Justice ... 7-3, 17-1, 17-2, 17-3, 17-4, 17-7, 17-8

---

## F

Fish and Aquatic Resources... 12-1, 12-23, 12-24, 12-58, 12-59, 14-10  
Fisheries  
American River .0-4, 0-10, 0-23, 0-24, 0-29, 0-30, 0-31, 0-32, 0-45, 2-2, 3-9, 3-10, 3-11, 3-12, 3-24, 3-25, 3-26, 3-37, 3-39, 3-48, 3-62, 3-69, 4-2, 4-1, 4-2, 5-3, 6-1, 11-3, 12-1, 12-2, 12-7, 12-13, 12-14, 12-41, 12-43, 13-8, 13-9, 13-11, 16-1, 16-5, 18-4, 20-1, 20-5, 20-6, 23-2, 23-3  
Bay-Delta 0-1, 0-3, 0-4, 0-6, 3-1, 3-65, 3-66, 4-1, 4-7, 4-8, 4-10, 5-5, 6-4, 11-1, 11-6, 12-1, 12-2, 12-12, 12-17, 12-19, 12-22, 12-47, 12-57, 13-1, 13-10, 13-12, 16-2, 16-5, 20-2, 20-9, 21-5, 23-3  
Clear Creek 0-4, 0-22, 0-23, 0-24, 0-29, 0-30, 2-1, 2-2, 3-7, 3-8, 3-9, 3-24, 3-37, 3-38, 3-44, 3-46, 3-47, 3-48, 3-61, 3-69, 4-1, 4-2, 4-3, 4-5, 5-3, 6-1, 6-3, 11-3, 11-5, 12-1, 12-2, 12-8, 12-10, 12-11, 12-12, 12-37, 12-40, 13-1, 13-8, 13-12, 16-1, 16-5, 16-6, 23-3  
Feather River 0-37, 1-2, 2-2, 3-54, 3-62, 12-7, 12-8, 12-9, 12-31, 13-7, 15-4, 15-5, 18-4  
Sacramento River 0-4, 0-6, 0-7, 0-9, 0-10, 0-17, 0-18, 0-19, 0-21, 0-22, 0-23, 0-24, 0-28, 0-29, 0-30, 0-31, 0-35, 0-36, 0-37, 0-40, 2-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-9, 3-20, 3-23, 3-25, 3-26, 3-37, 3-38, 3-43, 3-44, 3-46, 3-52, 3-59, 3-60, 3-67, 3-72, 3-75, 4-1, 4-2, 4-7, 4-9, 4-14, 5-3, 5-4, 6-1,

6-2, 6-3, 6-4, 6-6, 6-19, 11-2, 11-3, 11-4, 12-1, 12-2, 12-7, 12-8, 12-9, 12-10, 12-12, 12-16, 12-17, 12-18, 12-19, 12-20, 12-21, 12-22, 12-24, 12-27, 12-31, 12-37, 13-1, 13-4, 13-5, 13-6, 13-7, 13-8, 13-9, 13-11, 13-12, 13-13, 14-5, 14-6, 14-7, 14-8, 14-9, 14-12, 15-3, 15-4, 15-5, 15-9, 16-1, 16-2, 16-5, 20-1, 20-2, 20-5, 20-6, 20-7, 21-3, 21-4, 21-6, 23-2

San Joaquin River 0-40, 2-2, 3-14, 3-18, 3-19, 3-20, 3-28, 3-35, 3-36, 3-42, 3-50, 3-51, 3-52, 3-57, 3-62, 3-66, 3-70, 3-71, 3-74, 4-1, 4-7, 4-10, 4-12, 4-14, 5-4, 5-5, 6-1, 6-3, 6-4, 11-1, 11-2, 11-4, 12-1, 12-2, 12-15, 12-16, 12-17, 12-18, 12-19, 12-20, 12-21, 12-22, 12-43, 12-44, 13-1, 13-10, 13-13, 14-2, 14-5, 14-6, 14-8, 14-9, 14-12, 15-3, 15-4, 15-5, 15-9, 16-2, 16-4, 20-1, 20-2, 20-8, 20-9, 21-3, 21-4, 21-5, 21-6, 23-2

Stanislaus River.0-4, 0-23, 0-24, 0-25, 0-29, 0-30, 0-31, 0-32, 0-38, 0-39, 0-40, 2-2, 3-16, 3-17, 3-18, 3-34, 3-40, 3-56, 3-65, 3-66, 3-73, 4-1, 4-2, 4-3, 4-4, 4-5, 4-6, 5-2, 5-4, 6-1, 11-1, 11-3, 12-1, 12-2, 12-14, 12-15, 12-16, 12-45, 12-47, 13-1, 13-9, 13-10, 16-1, 16-5, 16-6, 20-1, 20-7, 20-8, 23-2

---

## **G**

Geology and Soils 6-16, 7-2, 20-1, 20-3, 20-11, 23-1

Governance..3-3, 3-26, 3-35, 3-36, 3-37, 3-42, 3-43, 3-58, 3-67, 3-68, 3-70, 3-71, 3-72, 3-73, 3-74, 13-12

Greenhouse Gas Emissions..10-1, 10-2, 10-14, 17-7, 17-8

Groundwater Resources..... 6-1, 6-5, 6-6, 6-20, 17-4, 20-2

---

## **H**

Hazards and Hazardous Materials 17-6, 19-1, 19-3

---

## **I**

Indian Trust Assets ..... 7-1, 7-2, 7-3, 7-4  
Irreversible and Irretrievable Commitment of Resources..... 23-1  
Issues in Dispute ..... 0-45

---

## **L**

Land Use and Agricultural Resources 15-1, 15-2, 15-11

---

## **M**

Major Conclusions ..... 0-2, 0-4  
Mitigation Measures.. 0-2, 0-46, 0-47, 4-15, 5-10, 6-18, 7-3, 8-3, 9-14, 10-14, 11-5, 12-58, 13-12, 14-12, 15-9, 15-11, 16-6, 17-7, 18-10, 19-3, 20-11, 21-5

---

## **N**

Nearshore Pacific Ocean ...12-23, 12-58, 16-2, 16-5, 16-6

No Action Alternative... 0-2, 0-3, 0-4, 0-6, 0-7, 0-8, 0-10, 0-12, 0-13, 0-15, 0-16, 0-17, 0-18, 0-19, 0-20, 0-21, 0-22, 0-23, 0-24, 0-25, 0-26, 0-27, 0-28, 0-29, 0-30, 0-31, 0-32, 0-33, 0-34, 0-35, 0-36, 0-37, 0-38, 0-40, 0-41, 0-42, 0-43, 0-44, 0-46, 3-2, 3-20, 3-23, 3-24, 3-27, 3-33, 3-36, 3-37, 3-39, 3-42, 3-48, 3-55, 3-56, 3-57, 3-58, 3-60, 3-62, 3-63, 3-65, 3-66, 3-70, 3-71, 3-73, 3-74, 4-1, 4-2, 4-3, 4-5, 4-1, 4-2, 4-1, 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-9, 4-10, 4-11, 4-12, 4-13, 4-14, 4-15, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, 5-8, 5-9, 5-11, 6-5, 6-6, 6-9, 6-13, 6-15, 6-17, 6-18, 7-2, 7-3, 7-4, 8-2, 8-3, 9-1, 9-2, 9-3, 9-6, 9-7, 9-8, 9-10, 9-13, 9-14, 10-2, 10-3, 10-5, 10-6, 10-7, 10-10, 10-13, 10-14, 11-2, 11-3, 11-4, 11-5, 12-23, 12-24, 12-25, 12-26, 12-27, 12-31, 12-32, 12-33, 12-34, 12-35, 12-36, 12-37, 12-38, 12-39, 12-41, 12-42, 12-43, 12-44, 12-45, 12-46, 12-47, 12-50, 12-51, 12-52, 12-54, 12-56, 12-58, 12-59, 13-3, 13-4, 13-5, 13-6, 13-7, 13-8, 13-9, 13-10, 13-12, 14-2, 14-3, 14-4, 14-5, 14-6, 14-7, 14-8, 14-

9, 14-10, 14-11, 14-12, 15-2, 15-3, 15-4, 15-5, 15-6, 15-7, 15-9, 15-10, 15-11, 16-2, 16-3, 16-4, 16-5, 16-6, 17-3, 17-4, 17-6, 17-7, 17-8, 18-4, 18-5, 18-6, 18-7, 18-8, 18-9, 18-10, 19-1, 19-2, 19-3, 20-2, 20-3, 20-4, 20-5, 20-6, 20-7, 20-8, 20-9, 20-10, 20-11, 21-2, 21-3, 21-4, 21-5, 23-1  
Noise..... 20-7, 22-2

---

## **O**

Other NEPA Considerations ..... 23-1

---

## **P**

Power. 0-42, 3-3, 3-9, 3-67, 9-5, 9-6, 10-4, 10-5, 13-1, 13-13, 14-11, 18-1, 18-2, 18-3, 18-4, 18-11, 23-2  
Preferred Alternative ..... 0-4, 0-46, 1-3  
Project Background..... 1-2  
Public Health and Safety .. 0-27, 3-42, 3-45, 3-62, 3-65, 21-1, 21-2, 21-5  
Purpose and Need..... 0-4, 1-3, 2-1

---

## **R**

Recreation 0-1, 0-41, 1-2, 1-3, 2-1, 3-2, 3-7, 3-9, 3-12, 3-16, 10-1, 12-14, 14-1, 14-3, 14-10, 15-1, 16-1, 16-2, 16-3, 16-4, 16-6, 17-5, 17-7, 19-2  
Regional Economics.0-40, 14-1, 14-10, 14-11, 14-12  
Relationship between Short-Term Uses and Long-Term Productivity ..... 23-2  
Resources Not Analyzed in Detail ..... 22-1

---

## **S**

Sacramento River ..... 12-1, 12-2  
San Joaquin River ..... 12-1, 12-2  
Scope .....0-47, 1-2, 1-3, 13-5, 13-6, 13-10  
Stanislaus River.....12-1, 12-2, 12-15  
Study Area0-4, 0-33, 2-1, 2-2, 2-3, 6-1, 7-1, 7-3, 8-1, 13-1, 13-2, 13-3, 14-10, 15-1, 17-1, 17-7, 18-3, 19-1, 19-2, 21-2, 21-3, 21-4, 21-5

Surface Water Supply0-8, 0-15, 6-5, 6-6, 6-10, 6-11, 6-16

---

## **T**

Terrestrial Biological Resources .... 0-33, 0-38, 13-1, 13-3, 13-4, 13-12  
Tribal Consultation..... 1-3, 23-4  
Trinity River Division ..... 0-46, 13-4

---

## **V**

Visual Resources ..... 11-1, 11-2, 11-3, 11-5

---

## **W**

Water Quality . 0-1, 0-3, 0-4, 0-6, 0-45, 1-3, 2-1, 2-2, 3-1, 3-2, 3-3, 3-9, 3-11, 3-12, 3-14, 3-16, 3-37, 3-42, 3-65, 3-66, 3-68, 4-1, 4-2, 4-5, 4-1, 4-2, 4-1, 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-9, 4-11, 4-12, 4-13, 4-14, 4-15, 6-1, 6-2, 6-18, 6-20, 7-1, 7-3, 12-7, 12-18, 12-19, 13-1, 13-12, 13-13, 14-2, 15-1, 16-3, 17-6, 21-1, 21-3, 21-4, 21-6, 21-7  
Water Supply0-3, 0-4, 0-8, 0-12, 0-25, 0-40, 0-41, 0-45, 2-1, 3-1, 3-2, 3-5, 3-6, 3-11, 3-14, 3-38, 3-44, 3-45, 3-58, 3-75, 4-2, 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, 5-8, 5-9, 5-10, 5-11, 6-3, 6-5, 6-6, 6-10, 6-11, 6-16, 7-2, 9-2, 9-7, 10-1, 10-6, 11-2, 12-24, 12-58, 13-5, 14-2, 14-3, 14-4, 14-5, 14-6, 14-7, 14-8, 14-9, 15-1, 15-2, 15-3, 15-6, 15-7, 15-9, 17-3, 17-4, 17-5, 17-6, 19-1, 21-4, 23-1, 23-2