



Central Valley

Project

Improvement Act

Draft

Programmatic

Environmental

Impact

Statement

Technical Appendix

VOLUME THREE

U.S. Department of the Interior

Bureau of Reclamation

Sacramento, California

**LIST OF TECHNICAL APPENDICES
(SEPTEMBER 1997)**

- VOLUME ONE Development of the No-Action Alternative
 Summary of Pre-CVPIA Conditions
 Evaluation of Preliminary Alternatives
 Public Involvement
- VOLUME TWO Surface Water Supplies and Facilities Operations
 Soils and Geology
 Groundwater
 CVP Power Resources

VOLUME THREE	Fisheries
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- VOLUME FOUR Vegetation and Wildlife
 Recreation
 Fish, Wildlife and Recreation Economics
- VOLUME FIVE Agricultural Economics and Land Use
 Water Transfer Opportunities
 Municipal and Industrial Land Use and Demographics
 Municipal Water Costs
 Regional Economics
 Social Analysis
- VOLUME SIX Visual Resources
 Air Quality
 Cultural Resources
 Delta as a Source of Drinking Water
- VOLUME SEVEN PROSIM M/M
 SANJASM M/M
 CVGSM M/M
- VOLUME EIGHT CVPM M/M
 CVPTM M/M
 Municipal Water Costs M/M
 IMPLAN M/M
- VOLUME NINE Fish Habitat Water Quality M/M
 Vegetation and Wildlife M/M
 Recreation M/M
 Fish Wildlife and Recreation Economics M/M

**CENTRAL VALLEY PROJECT IMPROVEMENT ACT
PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

DRAFT TECHNICAL APPENDIX

Fisheries

September 1997

TABLE OF CONTENTS

Item	Page
List of Abbreviations and Acronyms	xviii
I. Introduction	I-1
II. Affected Environment	II-1
Introduction	II-1
Study Area	II-2
Affected Fish Species or Communities	II-8
Study Period	II-15
Data Sources	II-15
Coordination with Other Issue Areas	II-15
Data Collection and Compilation	II-16
Coordination Activities with Agencies	II-17
Historical Perspective	II-17
Historical Factors Affecting Abundance	II-17
Historical Impacts of CVP Facilities	II-26
Recent Conditions for Chinook Salmon	II-28
Sacramento River	II-28
San Joaquin River	II-90
Delta Tributaries	II-99
Recent Conditions for Steelhead Trout	II-106
Sacramento River	II-106
San Joaquin River and Delta Tributary Systems	II-121
Recent Conditions for White Sturgeon and Green Sturgeon	II-123
White Sturgeon	II-123
Green Sturgeon	II-140
Recent Conditions for Striped Bass	II-140
Stock Abundance and Distribution	II-140
Life History	II-148
Factors Affecting Abundance	II-155
Ongoing Monitoring, Enhancement, and Habitat Improvement Actions	II-180
Recent Conditions for American Shad	II-184
Stock Abundance and Distribution	II-184
Life History	II-186
Factors Affecting Abundance	II-193
Ongoing Monitoring, Enhancement, and Habitat Improvement Actions	II-203

<u>Item</u>	<u>Page</u>
Recent Conditions for Delta and Longfin Smelt	II-204
Delta Smelt	II-204
Longfin Smelt	II-226
Recent Conditions for Sacramento Splittail	II-241
Stock Abundance and Distribution	II-241
Life History	II-243
Factors Affecting Abundance	II-247
Ongoing Monitoring, Enhancement, and Habitat Improvement Actions	II-255
Recent Conditions for Reservoir Fisheries Communities	II-255
General Reservoir Characteristics	II-255
General Abundance and Distribution	II-260
Life Histories	II-262
Factors Affecting Abundance	II-268
Ongoing Monitoring, Enhancement, and Habitat Improvement Actions	II-274
Recent Conditions for Bay Fisheries Communities	II-275
General Abundance and Distribution	II-275
Life Histories	II-283
Factors Limiting Abundance	II-288
Ongoing Monitoring, Enhancement, and Habitat Improvement Actions	II-300
Recent Conditions for the Estuarine Invertebrate Community	II-300
General Abundance and Distribution	II-300
Life Histories	II-308
Factors Limiting Abundance	II-316
Ongoing Monitoring, Enhancement, and Habitat Improvement Actions	II-321
Recent Conditions for Special-Status Aquatic Species	II-321
Conclusions	II-322
 III. Environmental Consequences	 III-1
Introduction	III-1
Impact Summary and Comparison of Alternatives	III-1
CVPIA Actions	III-5
Response by Species	III-13
Programmatic Level of Analysis	III-18
Impact Assessment Methodology	III-20
Watershed Compartments and Representative Species	III-22
Environmental Conditions	III-26
Chapter Organization	III-83

Item	Page
No-Action Alternative	III-84
Response to Environmental Conditions	III-84
Alternative 1	III-85
Response by Representative Species	III-89
Response by Environmental Condition	III-98
Supplemental Analysis 1a	III-111
Response by Representative Species	III-111
Response by Environmental Condition	III-113
Supplemental Analysis 1b	III-116
Response by Representative Species	III-117
Response by Environmental Condition	III-119
Alternative 2	III-122
Response by Representative Species	III-122
Response by Environmental Condition	III-129
Alternative 3	III-133
Response by Representative Species	III-133
Response by Environmental Condition	III-140
Alternative 4	III-143
Response by Representative Species	III-144
Response by Environmental Condition	III-149
Special-Status Species	III-152
 IV. Bibliography	 IV-1
 Attachment A. Monthly Species Occurrence in Each Watershed Compartment by Life Stage	
 Attachment B. Fish Habitat Water Quality Technical Information	

LIST OF TABLES

Item	Page
Table I-1	Summary of Assumptions for Fishery Resources I-3
Table I-2	Summary of Impact Assessment for Fishery Resources I-5
Table II-1	Distributional Checklist of the Inland Fishes of California by Major Geographic Region II-10
Table II-2	Human Activities Adversely Affecting Central Valley Fisheries Resources II-18
Table II-3	Timeline of Major Historical Activities Affecting Fish Habitats in the Central Valley Region II-19
Table II-4	Estimated Chinook Salmon Sport Landings for Six Sacramento River Basin Reaches, 1990-1993 II-58
Table II-5	Central Valley Chinook Salmon Hatcheries II-84
Table II-6	Number of Steelhead Trout Salvaged at SWP and CVP Delta Pumping Plants February-May (1979-1991) II-119
Table II-7	Estimated Annual Losses of Steelhead Trout at the SWP Delta Intake (1982-1991) II-120
Table II-8	Annual Estimates of Adult White Sturgeon and Green Sturgeon in the Central Valley (1967-1991) II-126
Table II-9	Summary of the Striped Bass Management Program II-181
Table II-10	Relationship Between River Flow and Virgin Shad Abundance In the Upper Sacramento, Feather, Yuba, and American Rivers (1975-1978) II-194
Table II-11	Analysis of Variance Results Comparing Delta Smelt Abundance Indices for Years with X2 Most Frequently in Suisun Bay, Upstream of Suisun Bay, or Downstream of Suisun Bay II-224
Table II-12	General Information for Selected Central Valley Reservoirs II-256
Table II-13	Physical Description of Selected Central Valley Reservoirs II-258
Table II-14	Game Fish Found in Selected Central Valley Reservoirs II-261

Item	Page
Table II-15 Comparison of Fishery Problems at Selected Central Valley Reservoirs	II-269
Table II-16 Commonly Occurring Fish Species in San Francisco Bay as Determined from Trawls	II-277
Table II-17 Annual Abundance Indices for the Six Most Common Species of Caridean Shrimp Collected in San Francisco Bay, 1980-1991 ...	II-289
Table II-18 Relationships between Delta Outflow and Abundance and Distribution of Various Life Stages of Several Recreational and Commercially Important Bay Species	II-296
Table II-19 Legal Status, Habitat Requirements, and Geographic Distribution of Special-Status Aquatic Species	II-323
Table III-1 Summary of Benefits and Adverse Impacts on Fish Resources for All PEIS Alternatives Compared to the No-Action Alternative	III-3
Table III-2 Summary of CVPIA Structure-Related Actions	III-6
Table III-3 Summary of CVPIA Fish Habitat Restoration Actions	III-7
Table III-4 Summary of CVPIA Flow-Related Actions	III-9
Table III-5 Definitions of Environmental Conditions	III-23
Table III-6 Description of River and Stream Watershed Compartments Included in the Impact Assessment for the PEIS	III-24
Table III-7 Major Downstream Reservoirs Potentially Affected by CVPIA Actions	III-25
Table III-8 Geographic Occurrence by Life Stage for Fall-Run Chinook Salmon	III-28
Table III-9 Environmental Conditions Included in the Impact Assessment for Each Representative Fish Species by Life Stage	III-29
Table III-10 Relationship between Abundance and Habitat Area for Selected Species	III-73

LIST OF FIGURES

Item	Page
Figure I-1 Study Area	I-2
Figure II-1 Sacramento-San Joaquin River Commercial Gill Net Salmon Landings (1874-1957)	II-30
Figure II-2 Estimates of Fall-Run Chinook Salmon Annual Spawning Escapement in the Mainstem Sacramento River (1953-1991)	II-31
Figure II-3 Estimates of Fall-Run Chinook Salmon Annual Spawning Escapement in the Feather, Yuba, and American Rivers (1953-1991)	II-32
Figure II-4 Estimates of Fall-Run Chinook Salmon Annual Spawning Escapement in Minor Sacramento River Tributaries (1953-1991) ...	II-34
Figure II-5 Estimates of Fall-Run Chinook Salmon Annual Spawning Escapement in Battle Creek and Coleman National Fish Hatchery (1953-1991)	II-35
Figure II-6 Estimates of Late Fall-Run Chinook Salmon Annual Spawning Escapement in the Mainstem Sacramento River (1967-1991)	II-37
Figure II-7 Annual Returns of Late Fall-Run Chinook Salmon to Coleman National Fish Hatchery (1967-1991)	II-38
Figure II-8 Estimates of Winter-Run Chinook Salmon Annual Spawning Escapement in the Mainstem Sacramento River (1967-1991)	II-40
Figure II-9 Estimates of Spring-Run Chinook Salmon Annual Spawning Escapement in the Mainstem Sacramento River (1967-1991)	II-41
Figure II-10 Annual Returns of Spring-Run Chinook Salmon to Feather River Fish Hatchery (1967-1991)	II-42
Figure II-11 Estimates of Spring-Run Chinook Salmon Annual Spawning Escapement in Deer, Mill, and Butte Creeks (1967-1991)	II-43
Figure II-12 Life History of Chinook Salmon	II-44
Figure II-13 Major Chinook Salmon Spawning and Rearing Areas in the Sacramento River Basin	II-45

<u>Item</u>	<u>Page</u>
Figure II-14 Occurrence of Chinook Salmon by Life Stage in the Sacramento River Basin	II-46
Figure II-15 Monthly Abundance of Adult Chinook Salmon, by Each Spawning Run in the Sacramento-San Joaquin Delta	II-47
Figure II-16 Monthly Abundance of Juvenile Chinook Salmon in the Sacramento-San Joaquin Delta	II-48
Figure II-17 Distribution and Relative Monthly Abundance of Winter-Run Chinook Salmon by Life Stage and Location	II-51
Figure II-18 Sacramento River Basin	II-53
Figure II-19 Relationship between Delay of Radio-Tagged Salmon That Passed Red Bluff Diversion Dam and Mean Proportion of Total River Flow Passing through or near the Fishways During the Period when the Tagged Salmon were Migrating	II-54
Figure II-20 Relationship between Delay and Blockage of Chinook Salmon at Red Bluff Diversion Dam	II-55
Figure II-21 Sacramento-San Joaquin Delta	II-57
Figure II-22 Relationship between Flow and Habitat Availability for Chinook Salmon Spawning and Juvenile Rearing in Selected Reaches of the Lower American River	II-59
Figure II-23 Relationship between Flow and Habitat Availability for Chinook Salmon Spawning and Juvenile Rearing in Selected Reaches of the Yuba River	II-60
Figure II-24 Chinook Salmon Egg and Larval Development Time and Survival versus Water Temperature	II-63
Figure II-25 Juvenile Chinook Salmon Growth and Survival versus Water Temperature	II-65
Figure II-26 Relationship between Relative Abundance of Chinook Salmon Fry in the Sacramento-San Joaquin Delta and Sacramento River Flow in February (1978-1991)	II-68

Item	Page
Figure II-27 Relationship between Predicted Sacramento River Chinook Salmon Smolt Mortality through the Delta and Sacramento River Water Temperature and Delta Export Pumping Rates	II-70
Figure II-28 Relationship between Estimated Chinook Salmon Smolt Mortality and Average Daily Water Temperature at Freeport on Release Day, Reaches 1-3	II-71
Figure II-29 Comparison of Monthly Juvenile Chinook Salmon Migration with Monthly Diversion Patterns (1981-1990) for the Lower Sacramento River and the Delta	II-73
Figure II-30 Relationship between Estimated Chinook Salmon Survival Rate through Glenn-Colusa Irrigation District Diversion Channel and Pumped Flow	II-75
Figure II-31 Chinook Salmon Loss Estimates for the SWP and CVP Facilities (1957-1990)	II-76
Figure II-32 Relationship between Predicted Sacramento River Chinook Salmon Smolt Mortality for Two Delta Migration Pathways and Sacramento River Water Temperature	II-78
Figure II-33 Relationship between Temperature-Corrected Survival for Fish Released at Ryde and QWEST Flow (1984-1992)	II-79
Figure II-34 Annual Harvest Rate Index and Landings for California Commercial and Sport Ocean Chinook Salmon Fisheries (1967-1991)	II-81
Figure II-35 Annual Catch-per-Unit Effort for California Commercial and Sport Ocean Salmon Fisheries (1967-1991)	II-82
Figure II-36 Annual Production of Chinook Salmon at Coleman National Fish Hatchery, Feather River Fish Hatchery, and Nimbus Fish Hatchery (1967-1984)	II-85
Figure II-37 Annual Production of Chinook Salmon at Mokelumne and Merced River Hatcheries (1967-1984)	II-86
Figure II-38 Total Annual Hatchery Production of Chinook Salmon in the Central Valley (1967-1984)	II-87

Item	Page
Figure II-39	Estimates of Fall-Run Chinook Salmon Annual Spawning Escapement in the Stanislaus, Tuolumne, and Merced Rivers II-91
Figure II-40	San Joaquin River Basin II-93
Figure II-41	Relationship between Chinook Salmon Escapement in the San Joaquin Drainage and Vernalis Flows before and after the Existing SWP in the South Delta and Major Storage Increases in the San Joaquin Drainage II-95
Figure II-42	Relationship between Predicted San Joaquin River Chinook Salmon Smolt Survival and Flow at Vernalis at Five Different Rates of Combined CVP/SWP Exports II-97
Figure II-43	Relationship between Predicted San Joaquin River Chinook Salmon Smolt Survival through the Delta and Flow at Stockton at Five Different Rates of Combined CVP/SWP Exports with a Barrier at the Head of Old River II-98
Figure II-44	Estimates of Fall-Run Chinook Salmon Annual Spawning Escapement in the Mokelumne and Cosumnes Rivers (1967-1991) II-100
Figure II-45	Relationship between Flow and Habitat Availability for Chinook Salmon Spawning and Juvenile Rearing in Selected Reaches of the Mokelumne River II-103
Figure II-46	Estimates of Adult Steelhead Trout Annual Abundance in the Upper Sacramento River (1967-1991) II-108
Figure II-47	Annual Returns of Adult Steelhead Trout to Sacramento River Hatcheries (1967-1991) II-109
Figure II-48	Life History of Steelhead Trout II-111
Figure II-49	Estimates of Adult White Sturgeon Annual Abundance in the Central Valley, 1967-1991 II-125
Figure II-50	Life History of White Sturgeon II-129
Figure II-51	Relationship between Water Temperature and Early Life Cycle Development of White Sturgeon II-135

Item	Page
Figure II-52 Relationship between White Sturgeon Year-Class Index and Mean Delta Outflow for April through July (1975-1990)	II-136
Figure II-53 Relationship between White Sturgeon Year-Class Index and Mean Delta Outflow for April through May (1968-1987)	II-137
Figure II-54 Commercial Landings of Striped Bass (1916-1935)	II-142
Figure II-55 Catch of Striped Bass per Angler Day for Charter Boats (1938-1982)	II-143
Figure II-56 Estimates of Adult Striped Bass Annual Abundance in the Central Valley (1967-1991)	II-145
Figure II-57 Young-of-Year Striped Bass Annual Abundance Indices in the Sacramento-San Joaquin Delta Estuary (1959-1991) Calculated from Two Survey Periods	II-146
Figure II-58 Relationship between 8-mm Larval Striped Bass Abundance Index and 38-mm Juvenile Striped Bass Abundance Index	II-147
Figure II-59 Life History of Striped Bass	II-149
Figure II-60 Growth of Adult Striped Bass in the Sacramento-San Joaquin Delta Estuary	II-150
Figure II-61 Striped Bass Spawning Areas in the Sacramento-San Joaquin River System	II-151
Figure II-62 Proportion of the Young-of-Year Striped Bass Population (38-mm Index) in the Delta Relative to the Location of X2 (2 ppt Salinity or about 3,000 μ S EC) in July (1959-1991)	II-154
Figure II-63 Relationship between Young-of-Year Striped Bass Abundance Index and Egg Production in the Sacramento-San Joaquin Delta Estuary	II-156
Figure II-64 Relationship between Adult Population Abundance (Striped Bass Tagging Study Catch-per-Effort Index) and Weighted Mean Young-of-Year Index 3-7 Years Earlier	II-158
Figure II-65 Relationship between Survival of Striped Bass (Eggs to 6mm) and Sacramento River Flow	II-160

Item	Page
Figure II-66 Relationship between the Survival Index (for 9-mm to 38-mm Striped Bass) and the Location of X2	II-163
Figure II-67 Difference between the Predicted and Measured Annual Abundance Indices for Striped Bass in the Delta, Suisun Bay, and in Both Areas Combined (1959-1990)	II-164
Figure II-68 Comparison of the 1959-1969 and 1970-1991 Relationships between the Proportion of Striped Bass in the Delta and the Location of X2	II-166
Figure II-69 Entrainment Loss of Striped Bass Eggs and Larvae in Diversions by the SWP and CVP Delta Pumping Facilities (1985-1991)	II-167
Figure II-70 Survival Rates Used to Convert Egg and Larval Entrainment Losses to Yearling Equivalents	II-168
Figure II-71 Yearling Equivalents for Striped Bass Eggs and Larvae Lost in Diversions by the SWP and CVP Delta Pumping Facilities (1985-1991)	II-169
Figure II-72 Relationship between the Location of Striped Bass Spawning in the Lower San Joaquin River Portion of the Delta and the Location of X2 (Kilometers from the Golden Gate Bridge) in the Estuary	II-172
Figure II-73 Entrainment Loss of Juvenile Striped Bass in Diversions by the SWP and CVP Delta Pumping Facilities (1957-1990)	II-175
Figure II-74 Yearling Equivalent Entrainment Loss of Striped Bass at the SWP Facility (1985-1991)	II-176
Figure II-75 Average Annual Entrainment Pattern for Striped Bass at the SWP Facility (1986-1991)	II-177
Figure II-76 Releases of Hatchery-Reared Juvenile Striped Bass to the Sacramento-San Joaquin Delta Estuary (1980-1990)	II-179
Figure II-77 Commercial Landings of American Shad (1915-1957)	II-185
Figure II-78 Distribution of American Shad in California	II-187

Item	Page
Figure II-79 Annual Abundance Index of Young-of-Year American Shad in the Sacramento-San Joaquin Delta Estuary (1967-1991)	II-188
Figure II-80 Life History of the American Shad	II-190
Figure II-81 Relationship between Young-of-Year American Shad Annual Abundance Index and Mean Annual April-June Delta Outflow (1967-1991)	II-197
Figure II-82 Salvage of American Shad at the SWP and CVP Fish Protection Facilities (1979-1990)	II-199
Figure II-83 Average Monthly Proportion of Annual American Shad Salvage at the SWP and CVP Fish Protection Facilities (1979-1990)	II-200
Figure II-84 Spawning Habitat and Critical Habitat as Designated under the Federal Endangered Species Act for Delta Smelt	II-205
Figure II-85 Delta Smelt Abundance Indices in the Sacramento-San Joaquin Delta Estuary Calculated from Two Survey Periods (1959-1995 and 1967-1992)	II-207
Figure II-86 Life History of Delta Smelt	II-208
Figure II-87 Relationship between the Percentage of the Delta Smelt Population occurring West of the Delta and Log-Transformed Delta Outflow during the Survey Month (1967-1987)	II-212
Figure II-88 Salvage of Delta Smelt at the SWP and CVP Facilities (1979-1991)	II-214
Figure II-89 Percent Adult and Juvenile Delta Smelt of Total Fish Salvaged Annually at SWP and CVP Facilities	II-215
Figure II-90 Catch Rates of Delta Smelt Larvae During April and May Near the CVP and SWP Pumps (1990-1992)	II-220
Figure II-91 Plots of Delta Smelt Abundance Indices versus Days X2 in Suisun Bay for February through June Only (1959-1993)	II-223
Figure II-92 Distribution of Longfin Smelt and the Approximate Location of Spawning Habitat	II-227

Item	Page
Figure II-93 Annual Abundance Index of Longfin Smelt in the Sacramento-San Joaquin Delta Estuary (1967-1993)	II-229
Figure II-94 Life History of Longfin Smelt	II-230
Figure II-95 Salvage of Longfin Smelt at the SWP and CVP Facilities (1979-1991)	II-234
Figure II-96 Percent Adult and Juvenile Longfin Smelt of Total Fish Salvaged Annually at SWP and CVP Facilities	II-235
Figure II-97 Longfin Smelt Larval Densities and Distribution in the Sacramento-San Joaquin Delta Estuary (1980-1988)	II-237
Figure II-98 Relationship between Annual Mean February-May Monthly Outflow at Chipps Island and Longfin Smelt Abundance Index (1967-1991)	II-239
Figure II-99 Historical and Present Distribution of Sacramento Splittail in California	II-242
Figure II-100 Annual Abundance Index of Splittail in the Sacramento-San Joaquin Delta Estuary (1967-1993)	II-244
Figure II-101 Life History of Sacramento Splittail	II-245
Figure II-102 Salvage of Splittail at the SWP and CVP Facilities (1979-1991)	II-248
Figure II-103 Relationship between Abundance Index for Adult Splittail and Average March-May Delta Outflow	II-252
Figure II-104 Mean Monthly Chlorophyll <i>a</i> Concentrations in Suisun Bay (1971-1991)	II-278
Figure II-105 Catch per Unit Effort of California Bay Shrimp (<i>Crangon franciscorum</i>) in Five Different Regions of the Sacramento-San Joaquin Delta Estuary	II-279
Figure II-106 Mean Monthly Chlorophyll <i>a</i> Concentrations in San Pablo Bay (1971-1991)	II-281
Figure II-107 Relationship of Starry Flounder Average Catch per Hour with Total Angler Hours and with Total Catch (1964-1986)	II-282

Item	Page
Figure II-108 Mean Monthly Catch of Northern Anchovy in Mid-Water Nets in the Suisun, San Pablo, Central, and South Bays of the San Francisco Bay (1980-1988)	II-284
Figure II-109 Annual Abundance Index for Dungeness Crab (May-July, Otter Trawl 1980-1991)	II-290
Figure II-110 Annual Abundance Index for White Croaker (All Sizes, February-October, Otter Trawl 1980-1991)	II-291
Figure II-111 Annual Abundance Index for English Sole (February-October, Otter Trawl 1980-1991)	II-292
Figure II-112 Annual Abundance Index for Northern Anchovy (All Sizes, April-October, Mid-Water Trawl 1980-1991)	II-293
Figure II-113 Annual Abundance Index for Pacific Herring (May-August, Mid-Water Trawl 1980-1991)	II-294
Figure II-114 Annual Abundance Index for Starry Flounder (May-October, Otter Trawl 1980-1991)	II-295
Figure II-115 Introduced Mollusks in San Francisco Bay	II-302
Figure II-116 Mean Densities per Cubic Meter of the Abundant Species of Rotifers by Year in the Sacramento River, San Joaquin River, and Suisun Bay	II-303
Figure II-117 Mean Densities of the Four Most Abundant Species of Copepods in the Sacramento River, San Joaquin River, and Suisun Bay (no. per cubic meter)	II-304
Figure II-118 Comparison of Densities (Mean Number per Cubic Meter) of Native and Introduced Copepods in the Sacramento River, San Joaquin River, and Suisun Bay	II-305
Figure II-119 Mean Densities of the Three Most Abundant Species of Cladocerans in the Sacramento River, San Joaquin River, and Suisun Bay (no. per cubic meter)	II-307
Figure II-120 Biomass of <i>Potamocorbula</i> and Other Mollusks in Grizzly Bay, 1986-1988	II-309

Item	Page
Figure II-121 Regional Mean Abundance Estimates of <i>P. amurensis</i> over the Survey Area	II-315
Figure II-122 Mean Monthly Chlorophyll <i>a</i> Concentrations in the Northern Delta, Central Delta, Southern Delta, and Suisun Bay, 1971-1991	II-319
Figure III-1 River, Reservoir, and Estuarine Aquatic Habitats Affected by the CVPIA	III-2
Figure III-2 Linkage of CVPIA Actions to Impacts and Benefits	III-21
Figure III-3 Potential and Existing Distribution of Fish Species Included in the PEIS	III-27
Figure III-4 Temperature-Mortality Relationships for Chinook Salmon	III-30
Figure III-5 Temperature-Mortality Relationships for Steelhead Trout	III-31
Figure III-6 Proposed Actions Affecting Water Temperature Conditions	III-32
Figure III-7 Simulated Temperature of the American River at Cordova for Alternative 1 and the No-Action Alternative	III-35
Figure III-8 Proposed Actions Affecting Diversions	III-43
Figure III-9 Simulated American River Diversions for Alternative 1 and the No-Action Alternative	III-46
Figure III-10 Proposed Actions Affecting Water Surface Level Changes	III-53
Figure III-11 Proposed Actions Affecting Pollutants	III-56
Figure III-12 Simulated American River Flow at Fair Oaks for Alternative 1 and the No-Action Alternative	III-57
Figure III-13 Proposed Actions Affecting Predation	III-64
Figure III-14 Proposed Actions Affecting Movement	III-66
Figure III-15 Proposed Actions Affecting Quantity and Quality of Habitat	III-71

Item	Page
Figure III-16 Estuarine Salinity Relative to X2 Location at Five Different X2 Sites	III-75
Figure III-17 Estuarine Habitat Area per Kilometer Upstream of the Golden Gate Bridge	III-76
Figure III-18 Relationship Between Optimal Salinity Habitat for Four Delta Species and X2 Location (Measured As Distance Upriver from the Golden Gate Bridge)	III-77
Figure III-19 Proposed Actions Affecting Food Web Support	III-81
Figure III-20 CVPIA Actions Implemented to Benefit Fish and Aquatic Resources under Alternative 1	III-86
Figure III-21 Changes in Environmental Conditions Affecting Fish Populations under Alternative 1 Compared to the No-Action Alternative	III-87
Figure III-22 Beneficial and Adverse Changes to Fish Species under Alternative 1 Compared to the No-Action Alternative	III-88
Figure III-23 CVPIA Actions Implemented to Benefit Fish and Aquatic Resources under Alternative 2	III-123
Figure III-24 Changes in Environmental Conditions Affecting Fish Populations under Alternative 2 Compared to the No-Action Alternative and Alternative 1	III-124
Figure III-25 Beneficial and Adverse Changes to Fish Species under Alternative 2 Compared to the No-Action Alternative and Alternative 1	III-125
Figure III-26 CVPIA Actions Implemented to Benefit Fish and Aquatic Resources under Alternative 3	III-134
Figure III-27 Changes in Environmental Conditions Affecting Fish Populations under Alternative 3 Compared to the No-Action Alternative and Alternative 2	III-135
Figure III-28 Beneficial and Adverse Changes to Fish Species under Alternative 3 Compared to the No-Action Alternative and Alternative 2	III-136

Item	Page
Figure III-29 CVPIA Actions Implemented to Benefit Fish and Aquatic Resources under Alternative 4	III-145
Figure III-30 Changes in Environmental Conditions Affecting Fish Populations under Alternative 4 Compared to the No-Action Alternative and Alternative 3	III-146
Figure III-31 Beneficial and Adverse Changes to Fish Species under Alternative 4 Compared to the No-Action Alternative and Alternative 3	III-147

LIST OF ABBREVIATIONS AND ACRONYMS

ACID	Anderson-Cottonwood Irrigation District
ANOVA	analysis of variance
Bay	San Francisco Bay
Bay/Delta Study	Delta Outflow/San Francisco Bay Study
CCWD	Contra Costa Water District
cfs	cubic feet per second
COE	U.S. Army Corps of Engineers
CVP	Central Valley Project
CVPIA	Central Valley Project Improvement Act
DCC	Delta Cross Channel
Delta	Sacramento-San Joaquin Delta
DFG	California Department of Fish and Game
DWR	California Department of Water Resources
EBMUD	East Bay Municipal Utility District
EC	electrical conductivity
ESA	Endangered Species Act
Estuary	Sacramento-San Joaquin Delta Estuary
GCID	Glenn-Colusa Irrigation District
IEP	Interagency Ecological Program for the Sacramento-San Joaquin Estuary
IFIM	instream flow incremental methodology
MWT	mid-water trawl
NMFS	National Marine Fisheries Service
PBCs	polychlorinated biphenyls
PEIS	Programmatic Environmental Impact Statement
PFMC	Pacific Fishery Management Council
PG&E	Pacific Gas and Electric Company
PHABSIM	Physical Habitat Simulation
PSMFC	Pacific States Marine Fisheries Commission
RBDD	Red Bluff Diversion Dam
Reclamation	U.S. Bureau of Reclamation
RM	river mile
Service	U.S. Fish and Wildlife Service
SJRMP	San Joaquin River Management Program
SRA	shaded riverine aquatic
SWP	State Water Project
SWRCB	State Water Resources Control Board
TCC	Tehama-Colusa Canal
TDS	total dissolved solids
TNS	tow net survey
USEPA	U.S. Environmental Protection Agency
X2	2-part-part-per-thousand salinity isohaline, measured one meter above river bottom