



Westside Sacramento Integrated Regional Water Management Plan



PHOTOS COURTESY OF NAPA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT,
SOLANO COUNTY WATER AGENCY, US BUREAU OF RECLAMATION

Kennedy/Jenks Consultants

June 2013

Acknowledgements

Prepared by:

The Regional Water Management Group of the
Westside Sacramento Integrated Regional Water Management Plan

Prepared with funding assistance from:

Proposition 84 Integrated Regional Water Management Planning Grant
from the Department of Water Resources

With the assistance of:

Kennedy/Jenks Consultants,
Kirby Consulting Group,
Kim Floyd Communications,
and the rest of the Consultant Team

The Regional Water Management Group would like to thank the
Department of Water Resources, and the many dedicated stakeholders
of the Westside Region for their time, guidance, and thoughtful
participation in the creation of this truly integrated plan.

Table of Contents

Volume I

Executive Summary	ES-1
Section 1: Introduction	1-1
1.1 Background.....	1-1
1.1.1 Regional Features	1-1
1.1.2 Primary Focal Points of the IRWM Plan	1-1
1.1.2.1 Provide Safe and Reliable Water Supplies	1-5
1.1.2.2 Improve Habitat and Ecosystem Health.....	1-6
1.1.2.3 Manage Risks.....	1-6
1.1.2.4 Sustain and Modernize Infrastructure	1-6
1.1.2.5 Address Water Quality Concerns	1-6
1.1.2.6 Foster Reasonable Use	1-6
1.1.2.7 Further Collective Understanding of Watersheds and Aquifers	1-6
1.1.2.8 Improve Education and Awareness	1-6
1.1.2.9 Improve Opportunities for Recreation	1-7
1.1.3 Forming the Westside IRWM Region	1-7
1.1.4 Regional Water Management Group (RWMG).....	1-7
1.1.4.1 Lake County Watershed Protection District	1-8
1.1.4.2 Napa County Flood Control and Water Conservation District	1-8
1.1.4.3 Colusa County Resource Conservation District.....	1-8
1.1.4.4 Solano County Water Agency.....	1-8
1.1.4.5 Water Resources Association of Yolo County.....	1-9
1.1.5 Coordinating Committee	1-9
1.1.6 Existing IRWM Plans and Previous Planning Efforts	1-9
1.2 Stakeholder Involvement.....	1-10
1.2.1 Overview of Stakeholder Involvement Process	1-10
1.2.2 Stakeholders and Plan Participants	1-13
1.2.2.1 Municipal and County Governments.....	1-13
1.2.2.2 Wholesale and Retail Water Purveyors, Wastewater Agencies, Flood Management Agencies, and Other Special Districts	1-13
1.2.2.3 State and Federal Regulatory and Resource Agencies.....	1-13
1.2.2.4 Environmental Community	1-13
1.2.2.5 Tribal Communities	1-13
1.2.2.6 Others.....	1-14
1.2.3 Public Outreach Process	1-14
1.2.3.1 Inclusive Planning Area Outreach.....	1-14
1.2.3.2 Disadvantaged Community Outreach	1-15
1.2.3.3 Tribal Outreach	1-15
1.2.3.4 Media Coverage of Plan Preparation.....	1-16
1.2.4 Interregional Coordination.....	1-16

- 1.3 Plan Development..... 1-19
 - 1.3.1 Goals for the IRWM Planning Process..... 1-19
 - 1.3.2 Plan Development Process..... 1-19
 - 1.3.2.1 Overview..... 1-19
 - 1.3.2.2 Topics for Engagement..... 1-20
 - 1.3.2.3 Plan Section Development and Refinement..... 1-20
 - 1.3.3 Subcommittees..... 1-21
- 1.4 Plan Organization 1-21
- 1.5 Plan Adoption..... 1-21

Section 2: Region Description..... 2-1

- 2.1 Region Overview and History..... 2-1
 - 2.1.1 Overview 2-1
 - 2.1.2 Planning Areas..... 2-1
 - 2.1.3 History of Water Development..... 2-2
 - 2.1.3.1 Early History 2-2
 - 2.1.3.2 19th Century..... 2-5
 - 2.1.3.3 Development of Water Supply..... 2-6
 - 2.1.3.4 Development of Flood Protection 2-7
 - 2.1.3.5 The Modern Era..... 2-8
- 2.2 Population 2-8
- 2.3 Social and Cultural Values 2-13
 - 2.3.1 Maintaining Agricultural Character 2-13
 - 2.3.2 Maintaining Recreational Opportunities..... 2-13
 - 2.3.3 Environmental Enhancement..... 2-14
 - 2.3.4 California Native American Tribes..... 2-14
- 2.4 Economic Conditions and Trends 2-14
- 2.5 Land Characteristics and Uses..... 2-17
 - 2.5.1 Communities 2-21
 - 2.5.2 Land Use Management Agencies 2-21
- 2.6 Water and Resource Management Boundaries..... 2-25
- 2.7 Hydrologic Features 2-25
 - 2.7.1 Watersheds..... 2-25
 - 2.7.1.1 Cache Creek Watershed 2-29
 - 2.7.1.2 Putah Creek Watershed 2-30
 - 2.7.1.3 Sacramento-Stone Corral Watershed..... 2-30
 - 2.7.1.4 Lower Sacramento River Watershed 2-30
 - 2.7.2 Groundwater..... 2-31
- 2.8 Climate..... 2-35
- 2.9 Environmental Features 2-38

Section 3: Existing and Future Conditions..... 3-1

- 3.1 Water Quantity..... 3-1
 - 3.1.1 Water Entering..... 3-4
 - 3.1.2 Water Within 3-7
 - 3.1.2.1 Surface Water 3-7

	3.1.2.2	Groundwater	3-8
	3.1.2.3	Water Demands (Applied Water).....	3-8
	3.1.2.4	Recycled/Reuse Flows.....	3-10
	3.1.2.5	Return Flows.....	3-11
3.1.3		Water Leaving.....	3-12
3.1.4		Observations from Water Balances.....	3-12
	3.1.4.1	Westside Regional Water Balance.....	3-12
	3.1.4.2	Upper Watersheds Water Balances	3-16
	3.1.4.3	Valley Floor Water Balance	3-19
3.2		Water Quality.....	3-21
	3.2.1	Water Quality Regulatory Framework.....	3-21
	3.2.2	Surface Water Quality	3-22
	3.2.3	Imported Water Quality.....	3-28
	3.2.4	Groundwater Quality.....	3-29
	3.2.5	Wastewater and Recycled Water Quality.....	3-31
	3.2.5.1	Upper Cache Creek and Upper Putah Creek.....	3-31
	3.2.5.2	Valley Floor.....	3-32
3.3		Flood Management.....	3-32
	3.3.1	Flood Management Infrastructure.....	3-33
	3.3.2	Upper Cache Creek.....	3-39
	3.3.2.1	People and Property at Risk.....	3-39
	3.3.2.2	Description of Flood Hydrology and Facilities in Upper Cache Creek – Lake County.....	3-39
	3.3.3	Upper Putah Creek.....	3-41
	3.3.3.1	People and Property at Risk in Upper Putah Creek – Napa and Lake Counties	3-41
	3.3.3.2	Description of Flood Hydrology and Facilities in Upper Putah Creek- Napa and Lake Counties.....	3-42
	3.3.4	Valley Floor.....	3-42
	3.3.4.1	People and Property at Risk in the Northern Portion of the Valley Floor – Yolo County	3-45
	3.3.4.2	Description of Flood Hydrology and Facilities in Northern Portion of the Valley Floor – Yolo County.....	3-45
	3.3.4.3	People and Property at Risk in the Southern Portion of the Valley Floor – Yolo and Solano Counties	3-46
	3.3.4.4	Description of Flood Hydrology and Facilities in the Southern Portion of the Valley Floor – Yolo and Solano County.....	3-47
3.4		Environmental Resources.....	3-47
	3.4.1	Fisheries.....	3-47
	3.4.1.1	Cache Creek Fisheries	3-47
	3.4.1.2	Putah Creek Fisheries	3-48
	3.4.2	Waterfowl.....	3-49
	3.4.3	Important Ecologic Areas and Conservation Efforts.....	3-49
	3.4.4	Non-Native Species.....	3-50
3.5		Vulnerability to Climate Change	3-51
	3.5.1	Projected Climate Change Impacts.....	3-51
	3.5.2	Summary of Climate Change Vulnerability Checklist.....	3-52
	3.5.2.1	Flooding.....	3-52
	3.5.2.2	Water Demand	3-52

3.5.2.3	Water Supply.....	3-55
3.5.2.4	Water Quality.....	3-55
3.5.2.5	Ecosystem and Habitat Vulnerability	3-55

Section 4: Water and Land Use Planning.....4-1

4.1	Plan Relationship to Local Water Planning and Implementation	4-1
4.2	Plan Relationship to Local Land Use Planning.....	4-3

Section 5: Challenges and Opportunities Summary.....5-1

5.1	Education and Awareness	5-1
5.2	Habitat and Invasive Species.....	5-2
5.2.1	Supporting the Health and Biodiversity of Native Aquatic and Riparian Species.....	5-2
5.2.2	Conserving and Restoring Habitat.....	5-3
5.2.3	Preserving Ultramafic Soils and Associated Habitat.....	5-3
5.2.4	Addressing the Presence and Spread of Aquatic and Terrestrial Invasive Plant Species.....	5-4
5.2.5	Limiting and Preventing Colonization of Water Bodies by Quagga Mussels, Zebra Mussels, and Spread of New Zealand Mud Snails	5-5
5.3	Water Supply.....	5-5
5.3.1	Sustaining Groundwater Resources	5-5
5.3.2	Ensuring the Availability of Reliable Water Supplies for Beneficial Uses during Drought Periods	5-6
5.3.3	Addressing Competing Need for Water Supplies due to Environmental Regulations and Future Climate Change.....	5-7
5.4	Infrastructure.....	5-7
5.4.1	Maintaining and Modernizing Water System Infrastructure.....	5-7
5.5	Reasonable Use	5-7
5.6	Risk Management	5-8
5.6.1	Providing an Appropriate Level of Flood Protection.....	5-8
5.6.2	Providing an Appropriate Level of Protection from Fire, Drought, and Other Natural Disasters.....	5-8
5.7	Understanding of Watershed Function	5-9
5.7.1	Responding to Potential Impacts of Climate Change	5-9
5.7.2	Coordinating Data Acquisition, Management, and Access.....	5-9
5.7.3	Providing Better Data and Information to Support Decision-Making and More Sustainable Public Behaviors.....	5-9
5.8	Water Quality	5-9
5.8.1	Complying with Applicable Discharge Requirements and Basin Plan Objectives.....	5-9
5.8.2	Meeting Applicable Drinking Water Standards	5-10
5.8.3	Providing Water of Suitable Quality for the Intended Beneficial Use.....	5-11
5.8.4	Understanding Salt Loading and the Implications on Water Quality and Land Use.....	5-11
5.9	Recreation.....	5-11

5.10 Land Use5-12

5.10.1 Preserving Agricultural Lands and a Thriving Agricultural Economy5-12

5.10.2 Reducing the Degradation of Soils, Water Bodies, and Habitat
Caused by Land Uses and Other Human Activities.....5-12

5.10.3 Balancing Recreational Opportunities and Environmentally
Responsible Commercial Activities with the Conservation of Natural
and Cultural Resources on State and Federal Lands5-12

5.10.4 Incorporating Federal and State Land Management Participation in
Watershed Restoration and Water Quality Improvements5-13

Section 6: Goals and Objectives.....6-1

6.1 Planning Terms6-1

6.2 Process for Developing Goals and Objectives6-1

6.3 Plan Goals6-2

6.4 Plan Objectives.....6-4

6.4.1 Education and Awareness Focus.....6-4

6.4.2 Habitat Focus6-9

6.4.3 Invasive Species Focus.....6-10

6.4.4 Infrastructure Focus.....6-11

6.4.5 Reasonable Use Focus6-11

6.4.6 Recreation Focus.....6-12

6.4.7 Risk Management Focus6-12

6.4.8 Understand Watershed Function Focus6-13

6.4.9 Water Quality Focus.....6-14

6.4.10 Water Supply Focus.....6-16

6.5 Prioritized Climate Change Vulnerabilities.....6-17

Section 7: Resource Management Strategies7-1

7.1 Resource Management Strategy Summary7-1

7.2 Reduce Water Demand.....7-2

7.2.1 Agricultural Water Use Efficiency (Applicable).....7-2

7.2.2 Urban Water Use Efficiency (Applicable).....7-2

7.2.3 Crop Idling for Water Transfers (Applicable)7-3

7.2.4 Irrigated Land Retirement (Applicable).....7-3

7.2.5 Rainfed Agriculture (Applicable)7-3

7.3 Improve Operational Efficiency and Transfers.....7-3

7.3.1 Delta Conveyance (Applicable).....7-3

7.3.2 Regional/Local Conveyance (Applicable).....7-3

7.3.3 System Reoperation (Applicable)7-4

7.3.4 Water Transfers (Applicable)7-4

7.3.5 Waterbag Transport/Storage Technology (Not Applicable)7-4

7.4 Increase Water Supply7-4

7.4.1 Conjunctive Management and Groundwater Storage (Applicable).....7-4

7.4.2 Desalination (Not Applicable).....7-4

7.4.3 Precipitation Enhancement (Not Applicable)7-5

7.4.4 Recycled Municipal Water (Applicable)7-5

7.4.5 CALFED Surface Storage (Not Applicable).....7-5

- 7.4.6 Regional/Local Surface Storage (Applicable).....7-5
- 7.4.7 Dewvaporation or Atmospheric Pressure Desalination (Not Applicable)7-5
- 7.4.8 Fog Collection (Not Applicable)7-6
- 7.5 Improve Water Quality7-6
 - 7.5.1 Drinking Water Treatment and Distribution (Applicable).....7-6
 - 7.5.2 Groundwater and Aquifer Remediation (Applicable)7-6
 - 7.5.3 Matching Water Quality to Use (Applicable)7-6
 - 7.5.4 Pollution Prevention (Applicable).....7-6
 - 7.5.5 Salt and Salinity Management (Applicable)7-6
 - 7.5.6 Urban Runoff Management (Applicable).....7-7
- 7.6 Practice Resources Stewardship.....7-7
 - 7.6.1 Agricultural Lands Stewardship (Applicable)7-7
 - 7.6.2 Economic Incentives (Applicable).....7-7
 - 7.6.3 Ecosystem Restoration (Applicable).....7-7
 - 7.6.4 Forest Management (Applicable).....7-7
 - 7.6.5 Land Use Planning and Management (Applicable)7-8
 - 7.6.6 Recharge Area Protection (Applicable)7-8
 - 7.6.7 Water-Dependent Recreation (Applicable)7-8
 - 7.6.8 Watershed Management (Applicable)7-8
- 7.7 Improve Flood Management.....7-8
 - 7.7.1 Flood Risk Management (Applicable).....7-8

Section 8: Project Review and Prioritization8-1

- 8.1 Project Solicitation and Integration Process8-1
 - 8.1.1 Development of the Project List.....8-1
 - 8.1.2 Future Updates to the Project List.....8-2
- 8.2 Project Scoring, Selection, and Prioritization Process.....8-2
 - 8.2.1 Project Scoring8-2
 - 8.2.2 Project Selection.....8-4
 - 8.2.3 Project Prioritization8-4
- 8.3 Summary of Projects Received8-4
 - 8.3.1 Projects and Objectives Met.....8-5
 - 8.3.2 Prioritized Project List.....8-11
 - 8.3.3 Project Lists Sorted in Other Ways.....8-15

Section 9: Impacts and Benefits.....9-1

- 9.1 Benefits of Plan Implementation9-1
 - 9.1.1 Plan Benefits9-1
 - 9.1.2 Plan Beneficiaries.....9-4
 - 9.1.3 Interregional Benefits9-4
- 9.2 Impacts of Plan Implementation9-5

Section 10: Coordination10-1

- 10.1 Balanced Access and Opportunity for Participation.....10-1
 - 10.1.1 Coordination by RWMG and Coordinating Committee10-1
 - 10.1.2 Coordination among Local Agencies and Organizations.....10-1

- 10.2 Coordination with State and Federal Agencies.....10-2
- 10.3 Interregional Coordination.....10-3
 - 10.3.1 Coordination within the Sacramento River Funding Area10-3
 - 10.3.1.1 Relationship with the North Sacramento Valley IRWM Region.....10-3
 - 10.3.1.2 Relationship with the American River Basin IRWM Region.....10-7
 - 10.3.2 Adjacent Funding Area Coordination10-8
 - 10.3.2.1 Bay Area IRWM Region Coordination.....10-8
 - 10.3.2.2 Relationship with the North Coast IRWM Region.....10-8

Section 11: Implementation Framework 11-1

- 11.1 Governance Structure Used for Plan Development11-1
 - 11.1.1 Roles and Responsibilities.....11-1
 - 11.1.2 Public Involvement Processes.....11-2
 - 11.1.3 Decision Making.....11-2
 - 11.1.4 Balanced Access and Opportunity for Participation.....11-2
 - 11.1.4.1 Internal and External Communication.....11-3
 - 11.1.4.2 Coordination with Neighboring IRWM Efforts, State Agencies, and Federal Agencies.....11-3
- 11.2 Governance Structure for Plan Implementation.....11-3
 - 11.2.1 Roles and Responsibilities.....11-5
 - 11.2.1.1 Responsibilities of Project Proponents11-6
 - 11.2.2 Public Involvement Processes.....11-7
 - 11.2.3 Meeting Notices.....11-7
 - 11.2.4 Decision Making.....11-7
- 11.3 Plan Performance and Monitoring.....11-8
 - 11.3.1 Project-Focused Performance Monitoring11-8
 - 11.3.2 Data Management.....11-9
 - 11.3.2.1 Near-Term Data Management Approach.....11-9
 - 11.3.2.2 Potential Long-Term Data Management Options.....11-10
- 11.4 Plan Financing11-10
 - 11.4.1 Funding Needs.....11-10
 - 11.4.1.1 Implementation Coordination Funding11-10
 - 11.4.1.2 Project Implementation Funding11-10
 - 11.4.2 Potential Funding Sources.....11-13
 - 11.4.2.1 Stakeholder Funding11-13
 - 11.4.2.2 Grants and other Sources (See Also Section 10.5.5)11-13
- 11.5 Recommendations for Plan Implementation11-13
 - 11.5.1 Proposed Year 1 (FY 2013/2014) Focus Topics11-13
 - 11.5.2 Proposed Year 2 (FY 2014/2015) Focus Topics11-15
 - 11.5.3 Track Progress for IRWM Plan Implementation.....11-17
 - 11.5.4 Research Other Grant Opportunities for Plan Implementation.....11-17
- 11.6 Plan Updates and Changes.....11-18
 - 11.6.1 Making Changes to the IRWM Plan.....11-18
 - 11.6.2 Updating and Amending the IRWM Plan.....11-18

Section 12: Acronyms and Glossary	12-1
12.1 Acronyms and Abbreviations	12-1
12.2 Glossary	12-5
12.3 Glossary References	12-18
References	/

List of Tables

Table ES-1:	Summary of Objectives.....	ES -9
Table ES-2:	Summary of Management Outcomes and RMS.....	ES-12
Table ES-3:	Summary of Project Submittals by Objective Focus Area and Project Type	ES-14
Table ES-4:	High Importance/High Urgency Projects	ES-15
Table 1-1:	Summary of IRWM Coordinating Committee and Stakeholder Input Meetings.....	1-11
Table 1-2:	Interregional Coordination Representatives.....	1-19
Table 1-3:	IRWM Plan Required Elements.....	1-21
Table 2-1:	Projected Population by Community	2-9
Table 2-2:	Native American Tribes.....	2-14
Table 2-3:	Summary of Existing Land Use By Planning Area.....	2-17
Table 2-4:	Upper Cache Creek PA Climate Data.....	2-37
Table 2-5:	Upper Putah Creek PA Climate Data.....	2-37
Table 2-6:	Valley Floor PA Climate Data.....	2-38
Table 3-1:	Major Lakes and Reservoirs.....	3-7
Table 3-2:	Average Year Demands (Applied Water) Summary	3-9
Table 3-3:	Dry Year Applied Water Summary	3-9
Table 3-4:	UWMP Per Capita Water Use Targets.....	3-10
Table 3-5:	Wastewater Treatment Plants and Disposal Methods.....	3-10
Table 3-6:	Regional Water Balance Summary – Average Year (2035).....	3-14
Table 3-7:	Regional Water Balance Summary – Dry Year (2035)	3-15
Table 3-8:	Westside Region Surface Water Bodies and Beneficial Uses.....	3-23
Table 3-9:	Groundwater Quality Constituents of Concern.....	3-30
Table 6-1:	Summary of Objectives.....	6-5
Table 6-2:	Relationship between Plan Objectives and Plan Goals.....	6-6
Table 6-3:	Objectives Arranged by Importance/Urgency.....	6-8
Table 7-1:	Summary of Management Outcomes and RMS.....	7-1
Table 8-1:	Summary of Project Submittals by Objective Focus Area and Project Type.....	8-5
Table 8-2:	Projects Grouped by Primary IRWM Plan Objective Met.....	8-9
Table 8-3:	Summary of Projects by Importance, Urgency, and Planning Area	8-11
Table 8-4:	High-Importance/High-Urgency Projects.....	8-13
Table 9-1:	Potential Benefits and Impacts from Plan Implementation	9-2
Table 11-1:	Activities, Participants, and Roles for Implementing the Westside IRWM Plan.....	11-4
Table 11-2:	Financing Needs for High-Importance/High-Urgency Projects and Near-Term Implementation Projects.....	11-11
Table 11-3:	High-Importance/High-Urgency Projects.....	11-14
Table 11-4:	High-Importance/Medium-Urgency Projects.....	11-15

List of Figures

Figure ES-1:	Planning Areas	ES-3
Figure ES-2:	Current and Future Water Demands.....	ES-5
Figure 1-1:	The Westside Region.....	1-3
Figure 1-2:	Neighboring IRWM Regions.....	1-17
Figure 2-1:	Topography	2-3
Figure 2-2:	Planning Areas	2-4
Figure 2-3:	Population Density	2-11
Figure 2-4:	Historical and Projected Population of the Westside Region.....	2-13
Figure 2-5:	Communities and Tribes	2-15
Figure 2-6:	Disadvantaged Communities	2-19
Figure 2-7:	Land Use Map	2-20
Figure 2-8:	Land Management Agencies.....	2-23
Figure 2-9:	Retail Water Purveyors	2-27
Figure 2-10:	Watersheds	2-28
Figure 2-11:	Groundwater Basins	2-33
Figure 2-12:	Average Monthly Temperatures.....	2-35
Figure 2-13:	Average Monthly Precipitation by Planning Area	2-36
Figure 2-14:	Evapotranspiration and Precipitation Comparison for the Valley Floor PA.....	2-36
Figure 2-15:	Habitats of the Region.....	2-39
Figure 3-1:	Water Balance Schematic	3-2
Figure 3-2:	Precipitation Data for Upper Cache Creek PA	3-3
Figure 3-3:	Water Infrastructure	3-5
Figure 3-4:	Average Year – Upper Cache Planning Area	3-17
Figure 3-5:	Dry Year – Upper Cache Planning Area	3-17
Figure 3-6:	Average Year – Upper Putah Planning Area	3-18
Figure 3-7:	Dry Year – Upper Putah Planning Area.....	3-18
Figure 3-8:	Average Year – Valley Floor Planning Area	3-20
Figure 3-9:	Dry Year – Valley Floor Planning Area	3-21
Figure 3-10:	303(d) Impaired Streams & Water Bodies	3-25
Figure 3-11:	Potential Sources of Mercury Impairments & Impaired Streams & Water Bodies	3-26
Figure 3-12:	FEMA Floodplains Westside Region.....	3-35
Figure 3-13:	Flood Management Infrastructure	3-36
Figure 3-14:	FEMA Floodplains Upper Cache Creek	3-37
Figure 3-15:	FEMA Floodplains Upper Putah Creek.....	3-43
Figure 3-16:	FEMA Floodplains Valley Floor	3-44
Figure 3-17:	Projected Annual Temperature Increases	3-52
Figure 3-18:	Increased Wildfire Risk	3-53
Figure 8-1:	Project Locations.....	8-7
Figure 10-1:	Neighboring IRWM Regions and Funding Areas	10-5

Volume II

List of Appendices

- A Core Documents
 - A.1 Memorandum of Understanding
 - A.2 Coordinating Committee Charter
- B Outreach Material
 - B.1 Participating Individuals and Organizations
 - B.2 Water or Resource Management Organizations
 - B.3 Topics for Engagement
 - B.4 Stakeholder Meeting Summaries
 - B.5 Notice of Intent
- C Technical Analysis
 - C.1 Population and Demographics
 - C.2 Water Quantity
 - C.3 Water Quality
 - C.4 Environmental Resources
 - C.5 Climate Change Vulnerability Checklist
 - C.6 Land Use Planning and Water Management
- D Projects
 - D.1 Project Information Form
 - D.2 Project Sorts
 - D.3 Project List Updates
- E Plan Implementation Framework
 - E.1 Technical Memorandum – Information Needs, Potential Sources, and Suggested Implementation Steps for Tracking Progress on Plan Objectives

