



KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

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## Public Review Draft

# Groundwater Sustainability Plan (GSP)

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## Kern River Groundwater Sustainability Agency KRGSA Plan Area

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August 2019



TODD   
GROUNDWATER





KERN RIVER GROUNDWATER SUSTAINABILITY AGENCY

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**Draft**

August 2019

**TODD**   
**GROUNDWATER**

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# PROFESSIONAL CERTIFICATION

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# Table of Contents

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<b>Executive Summary .....</b>	<b>1</b>
<b>1 Administrative Information.....</b>	<b>1-1</b>
<b>1.1 Purpose of the Groundwater Sustainability Plan .....</b>	<b>1-2</b>
<b>1.2 Sustainability Goal .....</b>	<b>1-2</b>
<b>1.3 Agency Information .....</b>	<b>1-2</b>
1.3.1 Organization and Management Structure of the Groundwater Sustainability Agency .....	1-4
1.3.2 Legal Authority of the GSA .....	1-5
1.3.3 Estimated Cost of Implementing the GSP and the GSA’s Approach to Meet Costs .....	1-5
<b>1.4 Governing Regulations and Guidance Documents .....</b>	<b>1-6</b>
<b>1.5 GSP Organization .....</b>	<b>1-6</b>
<b>2 Plan Area.....</b>	<b>2-1</b>
<b>2.1 Description of the Plan Area.....</b>	<b>2-1</b>
<b>2.2 Agencies and Jurisdictional Boundaries .....</b>	<b>2-2</b>
2.2.1 Jurisdictional Boundaries of Federal and State Lands in KRGSA .....	2-2
2.2.2 Water and Irrigation District Boundaries .....	2-3
2.2.3 Water Purveyors .....	2-3
<b>2.3 Existing Land Use .....</b>	<b>2-3</b>
<b>2.4 Water Sources and Use .....</b>	<b>2-5</b>
2.4.1 Groundwater .....	2-5
2.4.2 Kern River .....	2-5
2.4.3 Imported Water .....	2-7
2.4.4 Recycled Water .....	2-7
2.4.5 Water Purveyors .....	2-9
2.4.6 Water Supply Wells .....	2-17
<b>2.5 Water Resources Monitoring and Management Programs .....</b>	<b>2-19</b>
2.5.1 Water Resources Monitoring .....	2-19
2.5.2 Water Resources Management Programs .....	2-23
<b>2.6 General Plans and Land Use Elements .....</b>	<b>2-24</b>
2.6.1 Metropolitan Bakersfield General Plan .....	2-24
2.6.2 Kern River Plan Element .....	2-25
2.6.3 Kern County General Plan .....	2-28
2.6.4 Kern County Environmental Health Services and Well Permitting .....	2-30
2.6.5 Nexus of Land Use Plans and Sustainable Groundwater Management .....	2-31
2.6.6 Additional GSP Elements .....	2-31
<b>2.7 Notice and Communication .....</b>	<b>2-33</b>

<b>3</b>	<b><i>Hydrogeologic Conceptual Model and Groundwater Conditions</i></b> .....	<b>3-1</b>
<b>3.1</b>	<b>Study Periods</b> .....	<b>3-2</b>
<b>3.2</b>	<b>Hydrogeologic Conceptual Model</b> .....	<b>3-3</b>
3.2.1	Regional Geologic and Structural Setting.....	3-3
3.2.2	Topography .....	3-7
3.2.3	Soils .....	3-7
3.2.4	Hydrologic Setting .....	3-8
3.2.5	Basin Geometry and Basin Bottom .....	3-13
3.2.6	Principal Aquifers and Aquitards.....	3-19
<b>3.3</b>	<b>Groundwater Conditions</b> .....	<b>3-25</b>
3.3.1	Groundwater Occurrence and Flow .....	3-26
3.3.2	Groundwater Elevations .....	3-26
3.3.3	Estimate of Change in Groundwater in Storage.....	3-30
3.3.4	Groundwater Quality.....	3-32
3.3.5	Land Subsidence.....	3-44
3.3.6	Interconnected Surface Water and Groundwater Dependent Ecosystems.....	3-49
<b>3.4</b>	<b>Data and Knowledge Gaps</b> .....	<b>3-59</b>
<b>4</b>	<b><i>Water Budgets</i></b> .....	<b>4-1</b>
<b>4.1</b>	<b>Water Budget Approach</b> .....	<b>4-1</b>
4.1.1	Methods of Analysis .....	4-2
4.1.2	Water Budget Study Periods and Analysis Considerations .....	4-2
<b>4.2</b>	<b>Inflows for Historical and Current Groundwater Budget</b> .....	<b>4-4</b>
4.2.1	Kern River Channel and Canal Operational Recharge .....	4-5
4.2.2	Municipal Return Flows.....	4-6
4.2.3	Applied Surface Water Infiltration and Agricultural Return Flows.....	4-6
4.2.4	Recharge from Rainfall (Non-agricultural areas).....	4-8
4.2.5	Stormwater Conservation .....	4-8
4.2.6	Wastewater Discharge .....	4-9
4.2.7	Additional Managed Recharge and Groundwater Banking Projects.....	4-10
<b>4.3</b>	<b>Outflows for Historical and Current Groundwater Budget</b> .....	<b>4-12</b>
4.3.1	Agricultural Groundwater Pumping .....	4-12
4.3.2	Municipal Groundwater Pumping.....	4-14
4.3.3	Small Water Systems and Additional Private Groundwater Pumping .....	4-16
4.3.4	Groundwater Pumping for Banking Project Recovery .....	4-19
<b>4.4</b>	<b>Change in Groundwater in Storage - Checkbook Method</b> .....	<b>4-20</b>
4.4.1	Annual Inflows, Outflows, and Change in Groundwater in Storage – Checkbook Method .....	4-20
4.4.2	Adjustments for Groundwater Banking Obligations and Water Attributable to Others .....	4-23
<b>4.5</b>	<b>C2VSimFG-Kern Model Water Budget Analysis</b> .....	<b>4-25</b>
4.5.1	Application of the C2VSimFG-Kern Model to the KRGSA Plan Area.....	4-25
4.5.2	Model Results for the KRGSA Plan Area.....	4-27

4.5.3	Historical and Current Subsurface Flows .....	4-30
4.5.4	Estimated Sustainable Yield .....	4-31
4.5.5	Native Safe Yield Estimates for the Kern County Subbasin .....	4-33
<b>4.6</b>	<b>Surface Water Supplies .....</b>	<b>4-33</b>
4.6.1	Current Surface Water Supplies .....	4-34
4.6.2	Surface Water Storage in Lake Isabella .....	4-35
<b>4.7</b>	<b>Projected Water Budgets .....</b>	<b>4-36</b>
4.7.1	Baseline Development .....	4-36
4.7.2	Projected Water Budget Deficits .....	4-38
4.7.3	Projected Water Budget Results for the KRGSA Plan Area .....	4-40
<b>4.8</b>	<b>Data and Knowledge Gaps for the Water Budget Analysis .....</b>	<b>4-43</b>
<b>5</b>	<b><i>Sustainable Management Criteria</i> .....</b>	<b>5-1</b>
<b>5.1</b>	<b>Sustainability Goal .....</b>	<b>5-2</b>
<b>5.2</b>	<b>Sustainable Management Areas .....</b>	<b>5-3</b>
5.2.1	KRGSA Urban Management Area .....	5-4
5.2.2	KRGSA Agricultural Management Area .....	5-4
5.2.3	KRGSA Banking Management Area .....	5-5
5.2.4	Management Areas and Sustainable Management Criteria .....	5-6
<b>5.3</b>	<b>Approach to Undesirable Results .....</b>	<b>5-6</b>
5.3.1	Approach for Minimum Thresholds (MT) .....	5-7
5.3.2	Approach for Measurable Objectives (MO) .....	5-7
5.3.3	Summary of Sustainable Management Criteria .....	5-8
<b>5.4</b>	<b>Chronic Lowering of Water Levels .....</b>	<b>5-10</b>
5.4.1	Potential Causes of Undesirable Results from Water Levels .....	5-10
5.4.2	Subbasin Definition of Undesirable Results from Water Levels .....	5-11
5.4.3	KRGSA GSP Definition of Undesirable Results from Water Levels .....	5-11
5.4.4	Sustainable Management Criteria for Water Levels in the Plan Area .....	5-12
<b>5.5</b>	<b>Reduction of Groundwater in Storage .....</b>	<b>5-19</b>
5.5.1	Potential Causes of Undesirable Results for Reduction of Groundwater in Storage .....	5-20
5.5.2	Subbasin Definition of Undesirable Results for Reduction of Groundwater in Storage .....	5-21
5.5.3	KRGSA GSP Definition of Undesirable Results for Reduction of Groundwater in Storage .....	5-21
5.5.4	Sustainable Management Criteria for Groundwater in Storage in the KRGSA Plan Area .....	5-22
<b>5.6</b>	<b>Seawater Intrusion .....</b>	<b>5-23</b>
<b>5.7</b>	<b>Degraded Water Quality .....</b>	<b>5-23</b>
5.7.1	Potential Causes of Undesirable Results for Water Quality .....	5-24
5.7.2	Subbasin Definition of Undesirable Results for Water Quality .....	5-24
5.7.3	KRGSA GSP Definition of Undesirable Results for Water Quality .....	5-25
5.7.4	Sustainable Management Criteria for Water Quality in the KRGSA Plan Area .....	5-26
<b>5.8</b>	<b>Land Subsidence affecting Beneficial Use .....</b>	<b>5-28</b>

5.8.1	Potential Causes of Undesirable Results for Land Subsidence.....	5-29
5.8.2	Subbasin Definition of Undesirable Results for Land Subsidence.....	5-30
5.8.3	KRGSA GSP Definition of Undesirable Results for Land Subsidence .....	5-30
5.8.4	Sustainable Management Criteria for Subsidence in the KRGSA Plan Area.....	5-30
<b>5.9</b>	<b>Depletion of Interconnected Surface Water .....</b>	<b>5-34</b>
<b>5.10</b>	<b>Sustainable Management Criteria and Adaptive Management .....</b>	<b>5-34</b>
<b>5.11</b>	<b>Interim Milestones.....</b>	<b>5-35</b>
<b>6</b>	<b><i>GSP Monitoring Network .....</i></b>	<b><i>6-1</i></b>
<b>6.1</b>	<b>Monitoring Objectives.....</b>	<b>6-2</b>
<b>6.2</b>	<b>Monitoring Network .....</b>	<b>6-2</b>
6.2.1	Site Selection and Representative Wells.....	6-4
6.2.2	Monitoring Frequency.....	6-6
6.2.3	Well Construction Data .....	6-8
6.2.4	Groundwater Level Monitoring.....	6-9
6.2.5	Groundwater Quality Monitoring .....	6-10
6.2.6	Inelastic Land Subsidence Monitoring .....	6-11
<b>6.3</b>	<b>Annual Reporting and Five-Year Evaluation .....</b>	<b>6-13</b>
<b>6.4</b>	<b>Quality Assurance/Quality Control Program .....</b>	<b>6-13</b>
<b>6.5</b>	<b>Data Management System .....</b>	<b>6-14</b>
<b>7</b>	<b><i>Projects and Management Actions to Achieve Sustainability Goal .....</i></b>	<b><i>7-1</i></b>
<b>7.1</b>	<b>Phase One Management Projects .....</b>	<b>7-1</b>
7.1.1	Water Allocation Plan (WAP) – Kern Delta Water District .....	7-2
7.1.2	Kern River Conjunctive Use Optimization – City of Bakersfield .....	7-3
7.1.3	Land Use Conversion - Urbanization of Agricultural Lands .....	7-6
7.1.4	ENCSD North Weedpatch Highway Water System Consolidation Project .....	7-7
7.1.5	Possible Water Exchange for Improved Drinking Water Quality in Disadvantaged Communities ....	7-10
<b>7.2</b>	<b>Phase One Management Actions .....</b>	<b>7-10</b>
7.2.1	Actions Triggered if Water Levels Fall Below Minimum Thresholds .....	7-11
7.2.2	Implement Well Metering Program in the Agricultural MA.....	7-13
7.2.3	Reporting of Groundwater Extractions .....	7-13
7.2.4	Conserve Recycled Water in KRGSA Plan Area .....	7-15
7.2.5	Support California Delta Conveyance Project to Preserve Imported Water Supplies .....	7-15
7.2.6	ID4 Climate Change Adaptation Strategies .....	7-16
7.2.7	Support Sustainable Groundwater Supplies for KRGSA Disadvantaged Communities .....	7-17
7.2.8	Improve Documentation of Well Construction in the KRGSA Plan Area.....	7-18
7.2.9	Coordinate Water Quality Analysis through Existing Monitoring Programs.....	7-19
7.2.10	Continue to Evaluate Sustainable Management Criteria and Undesirable Results for Future Adjustments as Management Projects and Actions are Implemented.....	7-20
<b>7.3</b>	<b>Phase Two Management Projects.....</b>	<b>7-20</b>

7.3.1	Expansion of the Northeast Treatment Plant to Buildout.....	7-21
7.3.2	Capital Improvement to Municipal Wells .....	7-21
7.3.3	Install Dedicated Monitoring Wells.....	7-21
<b>7.4</b>	<b>Phase Two management Actions .....</b>	<b>7-22</b>
7.4.1	Pumping Reductions and Allocation of Agricultural Groundwater Supply .....	7-22
7.4.2	Conversion of Agricultural Lands .....	7-22
7.4.3	Additional Urban Conservation Measures .....	7-22
7.4.4	Re-negotiation of Banking Contract .....	7-22
7.4.5	Adaptive Management.....	7-22
<b>8</b>	<b><i>Plan Implementation .....</i></b>	<b><i>8-1</i></b>
<b>8.1</b>	<b>GSP Implementation .....</b>	<b>8-1</b>
<b>8.2</b>	<b>Annual Reporting.....</b>	<b>8-1</b>
<b>8.3</b>	<b>Periodic Evaluations.....</b>	<b>8-1</b>
<b>9</b>	<b><i>References and Technical Studies .....</i></b>	<b><i>9-1</i></b>

---



## List of Tables

---

Table 2-1: Wastewater Treatment and Recycling within KRGSA Plan Area .....	2-9
Table 2-2: Water Supply Portfolios for Water Purveyors within KRGSA .....	2-11
Table 2-3: Estimated Water Use by Larger Water Agencies in KRGSA Plan Area .....	2-12
Table 2-4: Selected Bakersfield Metropolitan Area General Plan Policies .....	2-26
Table 2-5: Selected Kern River Plan Element Policies.....	2-27
Table 2-6: Select Kern County General Plan Goals, Policies and Implementation Measures.....	2-29
Table 3-1: Oilfields and Adjustments to Subbasin Bottom in the KRGSA Plan Area.....	3-18
Table 3-2: Hydraulic Properties from Recent Aquifer Tests in the Plan Area.....	3-24
Table 3-3: Supplemental Aquifer Test Data in the Plan Area .....	3-25
Table 3-4: Environmental Investigation and Cleanup Sites in the Plan Area.....	3-43
Table 3-5: NCCAG-Mapped Natural Communities Polygons in KRGSA Plan Area .....	3-50
Table 3-6 Data Gaps for the Hydrogeologic Conceptual Model and Groundwater Conditions .....	3-61
Table 4-1: Groundwater Inflows, KRGSA Plan Area – Checkbook Method .....	4-4
Table 4-2: Groundwater Outflows, KRGSA Plan Area – Checkbook Method .....	4-12
Table 4-3: Historical Groundwater Budget, Checkbook Method, KRGSA Plan Area .....	4-21
Table 4-4: Current Groundwater Budget, Checkbook Method, KRGSA Plan Area .....	4-22
Table 4-5: Historical and Current Checkbook Water Budget Adjusted for Banking Obligations and Water Attributable to Non-KRGSA Entities.....	4-24
Table 4-6: Historical and Current Groundwater Budget from C2VSimFG-Kern Model Northern KRGSA Plan Area .....	4-28
Table 4-7: Historical and Current Groundwater Budget from C2VSimFG-Kern Model Southern KRGSA Plan Area .....	4-29
Table 4-9: Net Subsurface Flows In/Out of Southern KRGSA Plan Area.....	4-30
Table 4-10: Method Comparison, Change in Groundwater in Storage, KRGSA Plan Area .....	4-31
Table 4-11: Historical Average Annual Surface Water Use, KRGSA Plan Area, WY 1995 – 2014 .....	4-33
Table 4-12: Current Available Surface Water Supplies in the KRGSA Plan Area.....	4-34
Table 4-13: C2VSimFG-Kern Model Set-Up for the Planning and Implementation Horizon .....	4-37
Table 4-15: Future Projected Water Budget Model Results.....	4-40
Table 4-16: Data Gaps / Knowledge Gaps for the Water Budget Analysis .....	4-45

Table 5-1: KRGSA Management Areas.....	5-4
Table 5-2: Minimum Thresholds for Sustainability Indicators in the KRGSA Management Areas .....	5-9
Table 5-3: Methodology for Interim Milestones .....	5-36
Table 6-1: KRGSA GSP Monitoring Well Network with Sustainable Management Criteria.....	6-3
Table 6-2: Monitoring Frequency .....	6-7
Table 6-3: GSP Monitoring Network Construction Data.....	6-8
Table 7-1: Kern River Conjunctive Use Optimization Project .....	7-4
Table 8-1: GSP Implementation Schedule .....	8-2

## List of Figures (following text)

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Figure 1-1 Kern County Subbasin, Adjacent Groundwater Basins, and Kern River GSA

Figure 1-2 Kern River GSA (KRGSA) and Member Agencies

Figure 1-3 Exclusive GSAs in Kern County Subbasin

Figure 2-1 KRGSA GSP Plan Area

Figure 2-2 Federal, State and Municipal Jurisdictional Boundaries

Figure 2-3 Water Districts Boundaries near KRGSA Plan Area

Figure 2-4 Local Water Purveyors in the KRGSA

Figure 2-5 2015 Land Use, Kern County General Plan

Figure 2-6 Metropolitan Bakersfield General Plan, City of Bakersfield and Kern County

Figure 2-7 Important Farmland in the KRGSA

Figure 2-8 Agricultural Preserves, Williamson Act Map, KRGSA Plan Area

Figure 2-9 Agricultural Crops and Dairies, KRGSA GSP Plan Area

Figure 2-10 Kern River Annual Indices 1995 - 2016

Figure 2-11 Production Well Density

Figure 2-12 Public Supply Well Density

Figure 2-13 Domestic Well Density

Figure 2-14 Active Wells in the KRGSA

Figure 2-15 Disadvantaged Communities in the KRGSA Plan Area

Figure 3-1 Schematic Diagram, Regional Setting, Kern County Subbasin

Figure 3-2 Regional Geologic Setting

Figure 3-3 Surface Geologic Units and Faults  
Figure 3-4 Local Geologic Map, KRGSA GSP Plan Area  
Figure 3-5 Geologic of the Eastern Margin of the Valley, KRGSA Plan Area  
Figure 3-6 Subbasin Geometry, Eastern Margin Cross Sections  
Figure 3-7 Ground Surface Elevations  
Figure 3-8 Soil Textures, KRGSA Plan Area  
Figure 3-9 Precipitation and Water Year Type  
Figure 3-10 Kern River Flows  
Figure 3-11 Canals and Recharge Facilities  
Figure 3-12 Recharge Areas, KRGSA Plan Area  
Figure 3-13 Oil Fields in the Vicinity of the KRGSA Plan Area  
Figure 3-14 Regional Cross Section with Oil Fields  
Figure 3-15 Base of Fresh Water  
Figure 3-16 Depth to Base of USDW  
Figure 3-17 Conceptual Approach, Bottom of the Subbasin in the Plan Area  
Figure 3-18 Base of Usable Fresh Water in Storage, KRGSA Plan Area  
Figure 3-19 Bottom of the Subbasin Adjusted in Oil Field Areas  
Figure 3-20 Hydrogeologic Cross Section 1'-1  
Figure 3-21 Hydrogeologic Cross Section 2'-2  
Figure 3-22 Hydrogeologic Cross Section 3-3'  
Figure 3-23 Aquifer Transmissivities from Pumping Tests  
Figure 3-24 Long-Term Water Level Hydrographs  
Figure 3-25 Groundwater Elevations, Spring 1998  
Figure 3-26 Groundwater Elevations, Spring 2015  
Figure 3-27 Groundwater Elevations, Fall 2015  
Figure 3-28 Change in Groundwater in Storage, KRGSA Plan Area  
Figure 3-29 TDS Concentrations in Groundwater 1995 - 2014  
Figure 3-30 Maximum Nitrate (NO<sub>3</sub>) Concentrations in Groundwater  
Figure 3-31 Pesticide Detections in Groundwater, 1995 - 2014  
Figure 3-32 TCP Detections in Groundwater and Wellhead Treatment  
Figure 3-33 Arsenic Detections in Municipal Wells  
Figure 3-34 Arsenic Concentrations and Groundwater Elevations  
Figure 3-35 Environmental Investigation and Cleanup Sites  
Figure 3-36 Concepts of Land Subsidence  
Figure 3-37 Historical Subsidence 1926 - 1970

Figure 3-38 Recent Subsidence May 2015 – Dec 2016  
Figure 3-39 Critical Infrastructure  
Figure 3-40 NCCAG Mapping  
Figure 3-41 Annual Flow at First Point and Calloway Weir 1970 - 2010  
Figure 3-42 Water Levels at the Calloway Pool  
Figure 3-43 Hydrologic Profiles Along Kern River 1995 – 2015  
Figure 3-44 Depth to Groundwater Spring 1998, Northern Plan Area  
Figure 3-45 Depth to Groundwater Spring 1998, Southern Plan Area  
Figure 3-46 Perched Water, Southern Plan Area  
Figure 3-47 Selected NCCAG Mapped Areas, Northern Plan Area  
Figure 3-48 Selected NCCAG Mapped Areas, Southern Plan Area

Figure 4-1 Historical Groundwater Budget, Checkbook Method  
Figure 4-2 Groundwater Budget Current Study Period, Checkbook Method  
Figure 4-3 Changes in Groundwater in Storage, Checkbook Method  
Figure 4-4 C2VSimFG-Kern Model, Water Budget Areas, KRGSA Plan Area  
Figure 4-5 Historical Groundwater Budget, C2VSimFG-Kern Model, KRGSA Plan Area  
Figure 4-6 Historical and Current Surface Water Supplies, KRGSA Plan Area  
Figure 4-7 Future Projected Change in Groundwater in Storage  
Figure 4-8 Model Hydrographs, Projected Water Budget  
Figure 4-9 Projected Water Levels, Northern Plan Area  
Figure 4-10 Projected Water Levels, Southern Plan Area

Figure 5-1 Preliminary KRGSA Management Areas  
Figure 5-2 KRGSA Agency Boundaries and Management Areas  
Figure 5-3 Sustainability Considerations, KRGSA Plan Area  
Figure 5-4 Water Levels below Top of Municipal Well Screens  
Figure 5-5 Example Sustainable Management Criteria

Figure 6-1 KRGSA GSP Monitoring Network  
Figure 6-2 KRGSA GSP Minimum Thresholds  
Figure 6-3 KRGSA GSP Measurable Objectives  
Figure 6-4 Supplemental Subsidence Monitoring

## Appendices

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APPENDIX A:	Notice of Decision to Become a Groundwater Sustainability Agency
APPENDIX B:	Notice of Intent to Prepare a Groundwater Sustainability Plan
APPENDIX C:	Memorandum of Understanding with Greenfield County Water District; Memorandum of Understanding with Kern County
APPENDIX D:	Kern County Groundwater Subbasin Coordination Agreement
APPENDIX E:	GSP Preparation Checklist
APPENDIX F:	KRGSA Communication and Engagement Plan
APPENDIX G:	Annual Spring Groundwater Elevation Contour Maps, KCWA
APPENDIX H:	C2VSimFG-Kern Superposition Hydrographs, KRGSA Plan Area
APPENDIX I:	Groundwater Technical Procedures and Monitoring Protocols
APPENDIX J:	Monitoring Network Hydrographs with Sustainable Management Criteria

## Attachments

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Attachment 1:	Historical and Projected Future Water Budget Development with C2VSimFG-Kern, Kern County Subbasin SGMA Compliance
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## List of Acronyms

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AEWSD	Arvin Edison Water Storage District
AF	acre-feet
AFY	acre-feet per year
AWMP	Agricultural Water Management Plan
BMP	Best Management Practices
bgs	Below ground surface
BVWSD	Buena Vista Water Storage District
C2VSimFG-Kern	California Central Valley Groundwater-Surface Water Simulation Model Kern County Update for the Kern County and White Wolf Subbasin
Cal Poly	California Polytechnic State University, San Luis Obispo, California
Cal Water	California Water Service Company, Bakersfield District
CASGEM	California Statewide Groundwater Elevation Monitoring Program
CEQA	California Environmental Quality Act
CCR	California Code of Regulations
CDMG	California Division of Mines and Geology (now California Geological Survey)
cfs	cubic feet per second
CGS	California Geological Survey (formerly California Division of Mines and Geology)
CIMIS	California Irrigation Management Information System
City	City of Bakersfield
COB 2800	City of Bakersfield 2800 Acre Groundwater Banking Area
CVHM	Central Valley Hydrologic Model
CVRWQCB	Central Valley Regional Water Quality Control Board, also referred to as Central Valley Water Board
C2VSim	California Central Valley Groundwater-Surface Water Simulation
CVC	Cross Valley Canal
CVP	Central Valley Project
CWD	County Water District
DAC	Disadvantaged Communities
DBCP	1,2-Dibromo 3-chloropropane (also Dibromochloropropane)

DDW	Division of Drinking Water, SWRCB
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
EDB	Ethylene dibromide
ENCSD	East Niles Community Services District
ET	Evapotranspiration
Greenfield CWD	Greenfield County Water District
GSA	Groundwater Sustainability Agency
gse	Ground surface elevation
GSP	Groundwater Sustainability Plan
ID	Irrigation District or Improvement District
ID4	Improvement District No. 4 of the Kern County Water Agency
ITRC	Irrigation Training and Research Center
KCWA	Kern County Water Agency
KDWD	Kern Delta Water District
KFMC	Kern Fan Monitoring Committee
KGA	Kern Groundwater Authority
KRGSA	Kern River Groundwater Sustainability Agency
KRWCA	Kern River Watershed Coalition Authority
KWB	Kern Water Bank
LPUD	Lamont Public Utilities District
MA	Management Area
MCL	maximum contaminant level
mg/L	milligrams per liter or parts per million (ppm)
MO	Measurable Objective
MOU	Memorandum of Understanding
msl	mean sea level
MT	Minimum Threshold
NKWSD	North Kern Water Storage District
NORMWD	North of the River Municipal Water District

OMWC	Oildale Mutual Water Company
ppb	Parts per billion
ppm	Parts per million
ppt	Parts per trillion
PUD	Public Utilities District
RRBWSD	Rosedale-Rio Bravo Water Storage District
RRID	Rosedale Ranch Improvement District
SEIR	Supplemental Environmental Impact Report
SGMA	Sustainable Groundwater Management Act
Subbasin	Kern County Subbasin, when capitalized
SWP	State Water Project
SWRCB	State Water Resources Control Board
TCP	1,2,3-Trichloropropane
TDS	Total Dissolved Solids
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UWMP	Urban Water Management Plan
µg/L	micrograms per liter or parts per billion (ppb)
VWC	Vaughn Water Company
WAP	Water Allocation Plan
WD	Water District
WDR	Waste Discharge Requirements
WMP	Water Management Plan
WSD	Water Storage District
WRMWS	Wheeler Ridge-Maricopa Water Storage District
WSA	Water Service Area
WY	Water Year, October 1 through September 30