

## **CCAP Program Documents\***

(last updated April 2, 2012)

### **1994**

*Economic Analysis of the Cache Creek Gravel Mining Program (Final Report)*, EPS, June 1994.

### **1995**

Teichert Woodland Short-Term Interim Mining Project EIR and Approval, September 1995.

Biological Resources Survey for the Teichert Meadows Preserve, JSA, September 21, 1995.

*Technical Studies and Recommendations for the Lower Cache Creek Resource Management Plan*, Northwest Hydraulic Consultants, October 1995 (including *Responses to Requested Clarifications* issued February 12, 1996) (HEC-2 and HEC-6 completed by NHC as part of Technical Studies.

Solano Concrete Short-Term Interim Mining Project EIR and Approval, October 1995.

*Lower Cache Creek Riparian Corridor Restoration Recommendations*, Steve Chainey, JSA, November 30, 1995.

*Northern California Streams, Reconnaissance Report, Cache Creek Environmental Restoration, California*, US Army Corps of Engineers, December 1995.

### **1996**

*Baseline Data on the Plant Communities of Cache Creek*, Tracy Burmester, HAWK AmeriCorps and YCFCWCD, no date (text says based on 1996 data).

*Groundwater Quality Protection Near Planned Wet Pit Mining Operations*, Luhdorff and Scalmanini, March 1996.

*Off-Channel Gravel Pit Lakes – Mercury Considerations, Lower Cache Creek, Preliminary Study April 1996*, Slotton, Ayers, Reuter, May 2, 1996.

*Economic Analysis of the Cache Creek Off-Channel Mining Plan Aggregate Mining and Agricultural Industry Comparison*, EPS, June 1996.

*EIR for Off-Channel Mining Plan for Lower Cache Creek (SCH #95113034)*, Yolo County, certified July 30, 1996 (Resolution No. 96-117A) (three volumes - Draft, Final, and Appendix).

*Resolution No. 96-117A of the Yolo County Board of Supervisors Certifying the EIR; Making Findings of Fact; Issuing a Statement of Overriding Considerations; and Adopting a Mitigation Monitoring Plan for the OCMP*, Yolo County July 30, 1996.

*Off-Channel Mining Plan for Lower Cache Creek (Final)*, Yolo County, adopted July 30, 1996.

*Program EIR for CCRMP and Project-Level EIR for CCIP for Lower Cache Creek (SCH #96013004), Yolo County certified August 20, 1996 (Resolution No. 96-131) (two volumes - Draft and Final).*

*Resolution No. 96-131 of the Yolo County Board of Supervisors Certifying the EIR; Making Findings of Fact; Issuing a Statement of Overriding Considerations; and Adopting a Mitigation Monitoring Plan for the CCRMP and the CCIP, Yolo County, August 20, 1996.*

*Resolution No. 96-132 of the Yolo County Board of Supervisors Amending the General Plan to incorporate the Cache Creek Resources Management Plan, Yolo County, August 20, 1996.*

*Notice of Determination for Cache Creek Resources Management Plan for lower Cache Creek General Plan Amendment, STATE CLEARINGHOUSE NUMBER: 96013004, Heidi Tschudin, filed August 26, 1996.*

*Notice of Determination for Off-Channel Mining Plan for Lower Cache Creek General Plan Amendment, STATE CLEARINGHOUSE NUMBER: 95113034, Heidi Tschudin, filed July 31, 1996.*

*Cache Creek Improvement Program for Lower Cache Creek (Final), Yolo County, adopted August 20, 1996.*

*Cache Creek Aggregates Long-Term Off-Channel Mining Project, EIR and Approval, November 25, 1996.*

*Solano Long-Term Off-Channel Mining Project, EIR and Approval, November 25, 1996.*

*Syar Long-Term Off-Channel Mining Project and Syar/Stephens Rezoning, EIR and Approval, November 25, 1996.*

*Teichert (Esparto) Long-Term Off-Channel Mining Project and Lowe Property Rezoning, EIR and Approval, November 25, 1996.*

*Teichert (Woodland) Long-Term Off-Channel Mining Project, EIR and Approval, November 25, 1996.*

## **1997**

*Correll Pit Revegetation Program, Jones and Stokes Associates, CCC, January 30, 1997.*

*Revegetation Zone Correll Pit, Jones and Stokes Associates, CCC, January 29, 1997.*

*Cache Creek Watershed, Preliminary Mercury Assessment, Using Benthic Macro-Invertebrates, Slotton and Ayers, et al, June 1997.*

*Cache Creek Correll Wildlife Enhancement Hydraulic Analysis of Grade Modifications for Cache Creek Conservancy, Murray, Burns, and Kienlen, September 1997.*

*Mercury in Lower Cache Creek Biota: Baseline Assessment*, Slotton, Ayers, and Reuter, Fall 1997.

### **1998**

*Cache Creek Annual Status Report 1998*, David Morrison and TAC, no date.

*Cache Creek Stream Habitat Survey Report*, Josh Pederson, 1998 (summer 1997 survey of fish species distribution and abundance in lower Cache Creek).

*Mercury Concentrations and Loads from the Sacramento River and from Cache Creek to the Sacramento - San Joaquin Delta Estuary (Draft)*, RWQCB, June 1998.

### **1999**

*Cache Creek Annual Status Report 1999*, David Morrison and TAC, no date.

### **2000**

*Settlement Agreement, Citizens for Responsible Mining v. State Water Resources Control Board Sacramento Superior Case No. 99CS01395*, February 4, 2000 (regarding monitoring for mercury and water quality issues in Cache Creek).

*Monitoring Protocol for Cache Creek Channel Construction Projects*, Slotton and Foe, June 12, 2000 Revision.

*Cache Creek and Putah Creek Watersheds, Toxicity Monitoring Results: 1998-1999, Final Report*, Yolo County Department of Health Services and UC Davis, November 2000.

### **2001**

*Biological Assessment for Adams Canal/Gordon Slough Stream Bank Stabilization Project at Cache Creek Nature Preserve*, Melanie Allen Truan, Consulting Ecologist, September 28, 2001.

*Lower Cache Creek, City of Woodland and Vicinity Flood Damage Reduction Feasibility Study, Volumes I – III*, US Army Corps of Engineers, October 2001.

*Summary of the 2001 Demonstration Recharge Activities at the Rodgers Mining Excavation Per Development Agreement #96-286*, Luhdorff and Scalmanini, November 13, 2001.

### **2002**

*Cache Creek Nature Preserve Riparian Survey and Monitoring Project Vegetation and Avifauna, Years 1999 and 2001*, Melanie Allen Truan, February 2002.

*Technical Report for Hydraulic Analysis Results, Cache Creek from CR 94B to I-5*, Mark Fortner, MBK Engineers, April 2002 (HEC-RAS [HEC-2 only] completed by MBK for CR 94B to I-5).

Cache Creek Transect Survey, Andregg Inc, April 9, 2002 (established at 13 surveyed cross sections of Cache Creek within the CCAP area).

*Cache Creek Protocol Monitoring for In-Channel Construction Projects, Monitoring Report for First Year Invasive Vegetation Removal Project (Fall 2001 to Winter 2001/2002)*, Slotton and Ayers, Yolo County, May 5, 2002.

*Supplemental Program EIR for CCRMP and Project-Level EIR for CCIP for Lower Cache Creek (SCH#96013004)*, Yolo County, certified July 23, 2002 (Resolution No. 02-129) (two volumes - Draft and Final).

*Resolution No. 02-129 of the Yolo County Board of Supervisors to Certify the Supplemental EIR; Make Findings of Fact; and Adopt a Mitigation Monitoring Plan for the CCRMP and the CCIP*, July 23, 2002.

*Resolution No. 02-130 of the Yolo County Board of Supervisors to Amend the CCRMP and the CCIP to include the Adopted Mitigation Monitoring Plan*, July 23, 2002.

*Cache Creek Resources Management Plan for Lower Cache Creek (Revised Final)*, Yolo County, adopted August 20, 1996, amended July 23, 2002.

Preliminary Wetlands Delineation Report, Lower Cache Creek Planning Area, Aspen Environmental Group, July 29, 2002.

*Review of Yolo County Lower Cache Creek Water Quality*, Lee and Jones-Lee, September 2002 (discussion and detailed findings from water quality survey of four sites from Capay Bridge to 200 yards downstream of I-5 Bridge, 1997-2001).

*Cache Creek Nature Preserve Mercury Monitoring Program, Fourth Semi-Annual Data Report (Spring – Summer 2002)*, Darrell G. Slotton, Ph.D. and Shaun M. Ayers, December 15, 2002.

*State of the Watershed Report Cache Creek Sub-Watershed*, Regional Water Quality Control Board, December 1, 2002.

## **2003**

*Summary of the 2002 Demonstration Recharge Activities at the Rodgers Mining Excavation Per Development Agreement #96-286*, Luhdorff and Scalmanini, January 24, 2003.

*Lower Cache Creek, Yolo County CA, City of Woodland and Vicinity, Draft EIS/EIR for Potential Flood Damage Reduction Project*, USACOE, March 2003.

*Enhancing Natural Values in Cache Creek within a Water Supply Augmentation Program*, National Heritage Institute, April 1, 2003 (two scenarios for water supply augmentation and environmental restoration along Cache Creek).

*Cache Creek Nature Preserve Mercury Monitoring Program, Fifth Semi-Annual Data Report (Fall 2002 – Winter 2002/2003)*, Darrel G. Slotton, Ph.D. and Shaun M. Ayers, June 23, 2003.

*Summary of the 2003 Demonstration Recharge Activities at the Rodgers Mining Excavation Per Development Agreement #96-286*, Luhdorff and Scalmanini, September 22, 2003 (concludes that project results were adversely affected by low delivery rate from FCD; in general +/- 90% rate of recharge over the three-year demonstration period).

*Final (Fifth) Year Summary – Rodgers Demonstration Water Recharge and Habitat Project* (final report of four prior reports), Barry Baba, Habitat Restoration Biologist, Teichert Aggregates, October 28, 2003.

*Cache Creek, Bear Creek, and Harley Gulch TMDL for Mercury*, Draft Staff Report, California Environmental Protection Agency, Regional Water Quality Control Board Central Valley Region, Janis Cooke, Chris Foe, Stacy Stanish, and Patrick Morris, November 2003.

## **2004**

*Mercury and Methylmercury Concentrations and Loads in the Cache Creek Watershed*, Domagalski and Alper, et. al for USGS, 2004 (analysis of concentrations and loads of mercury and methylmercury in the waters of Cache Creek and Yolo Bypass based on 14 sample sites sampled about 15 times from January 2000 through May 2001).

*Mercury Bioaccumulation and Trophic Transfer in the Cache Creek Watershed of California, in Relation to Diverse Aqueous Mercury Exposure Conditions (Final Report)*, Slotton and Ayers, et. al., January 25, 2004.

*Phase I Environmental Site Assessment (Rodgers Pit)*, Phase One, Inc., February 2004.

*Capay Open Space Park Master Plan*, Questa Engineering, March 30, 2004.

*Cache Creek Nature Preserve Mercury Monitoring Program, Sixth Semi-Annual Data Report (Spring-Summer 2003) with Three-Year Project Overview*, Slotton and Ayers, June 20, 2004 (final report with summary of five prior reports).

*Report Summary, Groundwater Monitoring Program, Data Management System and Update of Groundwater Conditions in Yolo County Area, AB 303 Groundwater Management Assistance Program*, Luhdorff and Scalmanini, YCFCWCD, July 2004.

*Summary and Synthesis of Mercury Studies in the Cache Creek Watershed, California, 2000-01: U.S. Geological Survey Water-Resources Investigations Report 03-4335*, Domagalski, Slotton, Alpers, Suchanek, Churchill, Bloom, Ayers, and Clinkenbeard, 2004.

## **2005**

*Landowner's Guide to Streambank Management on Cache Creek*, Ann Brice, CCC, January 2005.

*Water Quality Control Plan for the Sacramento River and San Joaquin River Basins (Basin Plan)*, adopted 1975 and amended October 21, 2005 (Central Valley RWQCB Resolution No. R5-2005-0146). Establishes site-specific numeric water quality objectives (Total Maximum Daily Loads or TMDLs) for methylmercury and to establish a water quality management strategy to reduce mercury and methymercury loads in Cache Creek. Establishes a “no net increase” requirement for methylmercury concentrations.

*Analysis of TMDL Mercury Criterion Calculations for Cache Creek Fish and Water*. Darell Slotton, Yolo County, April 3, 2005

*Mercury Monitoring and Remediation Fund Proposal*, Petrea Marchand, Yolo County April 5, 2005.

*Yolo County Road 99W Bridge Replacement Over Cache Creek Year 2 Annual Monitoring Report*, Yolo County Planning and Public Works Department, December 28, 2005.

*Cache Creek Total Suspended Solids and Turbidity Monitoring Program, 2005 Annual Report*, Schladow (TAC Hydraulic Engineer) and Hammersmark, May 7, 2006.

## **2006**

*Cache Creek Monitoring Report (Preliminary)*, Jeff Hart (TAC Biologist), May 9, 2006 (indicates that field monitoring and mapping are incomplete).

*Integrated Groundwater and Surface Water Model, Model Development and Calibration for YFCWCWCD and WRA*, WRIMES, May 2006.

*Groundwater Management Plan*, YFCWCWCD, June 2006.

*2006 Cache Creek Status Report and Trend Analysis*, Parks and Natural Resources Division and TAC, July 25, 2006.

*Cache Creek Levee Breach and Floodplain Evaluation*, MBK Engineers, November 6, 2006 (analyzes flood progression and depth of floodplain expected to result from hypothetical Cache Creek levee breaches at two potentially vulnerable locations, Huff's Bend and I-5/Yolo South).

*Texture Analysis for Mapping Tamarix Parviflora Using Aerial Photographs Along the Cache Creek, California*, Shaokui Ge et al, Environmental Monitoring and Assessment 114: 65–83, 2006

*Cache Creek Total Suspended Sediment and Turbidity Monitoring Program, 2004 Annual Report*, Schladow (TAC Hydraulic Engineer) and Hammersmark, February 20, 2006.

## **2007**

*Cliff Swallows Petrochelidon Pyrrhonota as Bioindicators of Environmental Mercury, Cache Creek Watershed*, Hothem and Trejo et. al, 2007 (analysis of mercury concentrations in cliff swallow eggs and nestlings as a possible reflection of mercury levels in the local habitat).

*Memorandum, Report on the Audit of Gravel Mining Fees for Ten-Year Period Ended June 30, 2006*, Howard Newens, Yolo County Auditor-Controller, March 1, 2007.

*Cache Creek GIS Vegetation Survey, Memorandum of Findings*, Jeff Hart (TAC Biologist), March 12, 2007.

Integrated Regional Water Management Plan, WRA, adopted July 23, 2007.

*Correll Rodgers Pond Enhancement Plan, Draft*, Foothill Associates, November 30, 2007 (Note: This plan does not appear to have ever been finalized).

*Mercury and Trace Elements in Crayfish from Northern California*, R.L. Hothem et al, Bull Environ Contam Toxicol (2007) 79:628–632.

## **2008**

*Cache Creek Fisheries Survey 2008, Water Resources Association of Yolo County Technical Report*, Stillwater Sciences, March 2009.

*Cliff Swallows Petrochelidon pyrrhonota as Bioindicators of Environmental Mercury, Cache Creek Watershed, California*, R.L. Hothem et al, Arch Environ Contam Toxicol 55:111–121, 2008.

*The Legacy of Mercury Cycling From Mining Sources in an Aquatic Ecosystem: From Ore to Organism*, Suchanek TH, Richerson PJ, Zierenberg RA, et al, ECOLOGICAL APPLICATIONS, Volume:18, Issue 8 Special Issue: Sp. Iss. SI, p. A12-A28, December 2008.

## **2009**

*Mercury Contamination in Three Species of Anuran Amphibians from the Cache Creek Watershed*, Hothem, Jennings, and Crayon, Environmental Monitoring and Assessment, April 8, 2009.

*Diets of Three Species of Anurans from the Cache Creek Watershed, California, USA*, R. L. Hothem et al, Journal of Herpetology, Vol. 43, No. 2, p. 275-283, 2009.

*Non-Native, Invasive Vegetation Removal in the Jesus Maria Reach of Cache Creek*, CCC, December 2009 (three prior annual reports attached for 2006, 2007, and 2008).

*A Mass Balance Mercury Budget for a Mine-Dominated Lake: Clear Lake, California*, T. H. Suchanek et al, Water, Air, and Soil Pollution, 2009.

*Habitat Suitability Modelling of an Invasive Plant with Advanced Remote Sensing Data*, Andrew ME, Ustin SL, Diversity and Distributions, 15 4 627-640, July 2009.

*Taxonomic Revision and Biogeography of the Tamarix-Feeding Diorhabda Elongata (Brulle, 1832) Species Group (Coleoptera: Chrysomelidae: Galerucinae: Galerucini) and Analysis of Their Potential in Biological Control of Tamarisk*, Tracy JL, Robbins TO, Zootaxa, 2101 3-152, 2009

## **2010**

*Cache Creek Water Quality Analysis Results collected over a 10-Year Period (September 1, 1999 to February 24, 2010)*, Scott Perou, CPESC, CPSWQ, Foothill Associates, December 2, 2010.

Raptor Site Survey Map and Attributes Table (incomplete), Kevin Cahill, submitted March 24, 2011 (transmittal email indicated the report is incomplete; also does not include a written report or any documentation regarding methodology).

*Watershed-Based Assessment of Hydrologic and Geomorphic Conditions in Cache Creek through Capay Valley*, Kamman Hydrology and Engineering, May 19, 2010 (study area upstream of Capay Dam).

*Native Vegetation Management Plan for Jesus Maria Reach of Cache Creek*, CCC, June 30, 2010.

*Stream Migration and Sediment Movement on Lower Cache Creek From Capay Dam to Interstate 5 at Yolo, CA*, Tami Leathers, Summer 2010 (no date).

*Memorandum, Report on the Audit of the Gravel Mining Fees*, Howard Newens, Yolo County Auditor-Controller, July 27, 2010.

*Valley Elderberry Surveys at Correll-Rodgers Habitat Enhancement Site for Yolo County*, Karen Velas, Wildlife Technician, Audubon California, September 2010.

Cache Creek Total Maximum Daily Load (TMDL), Draft, Erik Ringelberg (TAC Biologist), November 8, 2010.

## **2011**

2010 Cache Creek Annual Status Report, Natural Resources Division staff and TAC, October 11, 2011.

CCAP Program Audit, underway.

CCRMP Projects by Category, Heidi Tschudin, June 2011

CCRMP Project/Site List, Heidi Tschudin, June 2011



*Central Valley Flood Protection Plan Lower Cache Creek Levees and Cache Creek Settling Basin Project Descriptions*, Flood Safe Yolo, July 28, 2011.

*Strategies to Control Mercury Pollution in the Cache Creek Basin, Northern California*, Arturo A. Keller, Ph.D. et al, UC Santa Barbara 2011 Group Project, Donald Bren School of Environmental Science and Management, March 2011.

## **2012**

2011 Cache Creek Annual Status Report, Natural Resources Division staff and TAC, February 28, 2012.

### **Other Relevant Reports/Regulations**

Annual Inspections of state-owned bridges in Yolo County (Capay Bridge CR 85; Esparto Bridge CR 87, Stevens Bridge CR 94B).

Annual aerials and other digital imagery of Lower Cache Creek flown in April-May for the CCRMP/CCIP.

Relevant County ordinances including: Mining Ordinance, Reclamation Ordinance, Gravel Fee Ordinance, Development Agreement Ordinance, FHDP Ordinance, and In-Channel Maintenance Mining Ordinance.

Development Agreements (as modified/amended over time) for each gravel operation. See separate DA Summary.

General Permits (as modified over time) from various federal and State agencies for CCIP implementation. See separate binder.

\*This list is compiled from known reports and file documents generated by the CCAP program or directly relevant to the program or plan.