March 19, 2012

environmental DEFENSE CENTER

Attn: Jane Farwell
Division of Water Rights
State Water Resources Control Board
P.O. Box 2000
Sacramento, CA 95812-2000
wrhearing@waterboards.ca.gov

VIA EMAIL

Re: Cachuma Project Hearing

Dear Ms. Farwell:

In accordance with the direction of the March 14, 2012 letter from Hearing Officer, Tam M. Doduc, the Environmental Defense Center, on behalf of California Trout ("CalTrout"), submits the following information: 1) Revised rebuttal testimony outline for Ms. Heather Cooley; and 2) Revised rebuttal testimony outline for Dr. William Trush. We are also enclosing an updated Statement of Qualifications for Dr. William Trush. New information in the outlines is identified in italic text.

The Hearing Officer's March 14, 2012 letter identifies requirements for parties presenting surrebuttal testimony. CalTrout requests that parties presenting surrebuttal testimony also be required to make available, by March 26, any data upon which their witnesses will be relying.

Sincerely,

Karen M. Kraus
Staff Attorney

Enclosures

906 Garden Street Santa Barbara, CA 93101 Phone (805) 963-1622 FAX (805) 962-3152
www.EnvironmentalDefenseCenter.org

CALTROUT – REBUTTAL TESTIMONY - *REVISED*

Heather Cooley: Outline of Rebuttal Testimony - *REVISED*

Prepared on behalf of CalTrout for
State Water Resources Control Board Cachuma Project Hearing
March 19, 2012

Ms. Heather Cooley is expected to respond to the following topics regarding the Cachuma Project Final Environmental Impact Report ("FEIR") in rebuttal testimony on behalf of CalTrout:

1. The FEIR overestimates future demand and potential shortages under the proposed alternatives, including:

    a. Water demand projections used in the FEIR are based on outdated estimates and ignore more recent water demand projections supplied by the water contractors, including in their 2010 Urban Water Management Plans

        i. *Available 2010 Urban Water Management Plans (for Carpinteria Valley Water District, City of Santa Barbara, and Goleta Water District) obtained at the Department of Water Resources Index of Urban Water Management Plans: http://www.water.ca.gov/urbanwatermanagement/2010uwmps/)*

    b. Demand projections in the FEIR fail to integrate mandated water conservation and efficiency improvements, particularly a requirement to reduce per capita demand by 20% by 2020.

        i. Water contractors' current and projected (2020) per capita demand estimates for compliance with SBx7-7.

2. The FEIR does not include cost-effective urban conservation potential available to water contractors, including:

    a. The FEIR improperly disregards that, at least, 5,000 to 7,000 acre-feet of water could be conserved by Cachuma contractors, cost-effectively.

    b. Technological improvements since 2003 indicate that conservation potential could exceed 5,000 to 7,000 acre-feet.

    c. Improved rate structures could capture water conservation and efficiency potential, and the FEIR wrongly concludes that each of the water contractor's water rates provides a strong incentive to conserve.

i. *Review of Cachuma water contractors' water rates based on data from:*

1. *Carpinteria Valley Water District website: http://www.cvwd.net/water_rates.htm*

2. *Montecito Water District website: http://www.montecitowater.com/fees_charges.htm*

3. *Goleta Water District website: http://www.goletawater.com/rates/index.htm*

4. *City of Santa Barbara website: http://www.santabarbaraca.gov/Government/Departments/PW/Rates.htm*

5. *Santa Ynez River Water Conservation District website: http://www.syrwd.org/view/53*

3. The FEIR does not consider the availability of water through alternative supplies.

a. For example, recycled water, rainwater harvesting, and stormwater capture are additional sources of water supply that have not been implemented, or could be further implemented, to reduce or eliminate the need for Santa Ynez River water.

i. *Current examples of water reuse in other water districts:*

1. *Irvine Ranch Water District. "Your Water: Supply." Accessed on May 3, 2011 at http://www.irwd.com/your-water/water-supply.html.*

2. *West Basin Municipal Water District. 2011. Water Reliability 2020. Accessed on April 28, 2011 at http://www.westbasin.org/water-reliability-2020/planning/water-reliability.*

3. *Groundwater Replenishment System. (undated). Accessed on May 3, 2011 at http://www.gwrsystem.com/images/stories/pdfs/GWRS.E-PressKit.FactsFiguresSection.11.17.10.pdf.*

4. *Texas Water Development Board. 2005. The Texas Manual on Rainwater Harvesting. Third Edition. Austin, Texas. http://www.twdb.state.tx.us/publications/reports/RainwaterHarvestingManual_3rdedition.pdf*

ii. *Unused recycling capacity of Cachuma Water Contractors:*

1. *City of Santa Barbara Water Resources Division, Public Works Department. (2011). DRAFT City of Santa Barbara Long-Term Water Supply Plan. http://www.santabarbaraca.gov/NR/rdonlyres/D9F28872-C779-4947-8428-56D9A678C8E6/0/LTWSP2011Draft472011.pdf.*

2. *Bachman, S. (2011). Goleta Water District Water Supply Management Plan. http://www.goletawater.com/assets/documents/water_supply/Water_Supply_Management_Plan_Final_3-31-11.pdf.*

4. The FEIR does not consider the potential for reducing agricultural water use.

   a. A 2009 Pacific Institute analysis estimates that there are a variety of technologies and practices that can reduce water requirements for agriculture.

      i. *Cooley, H., J. Christian-Smith, and P.H. Gleick. 2009. Sustaining California Agriculture in an Uncertain Future. Pacific Institute. Available at http://www.pacinst.org/reports/california_agriculture/final.pdf.*

   b. Recycled water can also be used to meet agricultural water demand.

      i. *Christian-Smith, J., L. Allen, M.J. Cohen, P. Schulte, C. Smith and P.H. Gleick. 2010. California Farm Water Success Stories. http://www.pacinst.org/reports/success_stories/success_stories.pdf*

CALTROUT – REBUTTAL TESTIMONY - *REVISED*

Dr. William Trush: Outline of Rebuttal Testimony - *REVISED*

Prepared on behalf of CalTrout for
State Water Resources Control Board Cachuma Project Hearing
March, 19 2012

Dr. William Trush is expected to respond to the following topics regarding the Cachuma Project Final Environmental Impact Report ("FEIR") in rebuttal testimony on behalf of CalTrout:

1. The FEIR contains erroneous and inconsistent findings and conclusions with respect to Santa Ynez River steelhead population status and trends, including:

    a. Steelhead population status and trends in the Santa Ynez River are inconsistent with the FEIR's conclusion that flows implemented under the National Marine Fisheries' Service 2000 Biological Opinion ("2000 BO") will support the continued survival of *O. mykiss* in the Santa Ynez River.

        i. Review and analysis of data demonstrate that flows implemented under the 2000 BO will threaten the continued survival of the Santa Ynez River anadromous *O. mykiss* – i.e., steelhead – population.

    b. Steelhead population status and trends in the Santa Ynez River are inconsistent with the FEIR's conclusion that flows implemented under the 2000 BO have resulted in increased abundance of *O. mykiss*.

        1. Review and analysis of data demonstrate that implementation of the 2000 BO has not resulted in increased abundance of anadromous *O. mykiss* – i.e., steelhead – in the Santa Ynez River.

    c. Steelhead population status and trends in the Santa Ynez River are inconsistent with the FEIR's conclusion that flows required by the 2000 BO will protect steelhead as a public trust resource or restore steelhead to "good condition."

        i. Review and analysis of data demonstrate that 2000 BO is not adequate to protect public trust or restore "good condition."

    d. A Smolt-to-Adult Return curve ("SAR curve") predicts the chance of adult anadromous *O. mykiss return as a function of smolt size. Knowing the number and individual sizes of smolts trapped, an SAR curve can predict the likely number of returning adults. This analytical approach is applied to evaluate the significance of reported trapping, and other fish monitoring, data from the lower Santa Ynez River, e.g., if x-number of smolts are trapped leaving Hilton Creek, how many adults are likely to return?*

e. The following data/documents are reviewed and relied upon:

i. Atkinson, K. et al. 2011. Evaluating water temperature and turbidity effects on steelhead life history tactics in Alameda Creek watershed. Technical Memorandum. Alameda Creek Fisheries Restoration Workgroup.

ii. Bond, M. et al. 2008. Marine survival of steelhead (Oncorhynchus mykiss) enhanced by a seasonally closed estuary. Can. J. Fish. Aquat. Sci. 65:2242-2252.

iii. Boughton, D.A. et al. 2009. Spatial patterning of habitat for Oncorhynchus mykiss in a system of intermittent and perennial streams. Ecology of Freshwater Fish 18:92-105.

iv. Bureau of Reclamation. 2011. 2008 Annual Monitoring Report and Trend Analysis for 2005-2008. Prepared for NMFS. USBR, South Central California Area Office. Jun 23.

v. Bureau of Reclamation. 2012. 2009 Annual Monitoring Report for Cachuma BO. Prepared for NMFS. USBR, South-Central California Area Office. Mar 9.

vi. Hayes, S.A. et al. 2008. Steelhead growth in a small Central California watershed: upstream and estuarine rearing patterns. Trans. Am. Fish. Soc. 137:114-128.

vii. McBain and Trush. 2008. Alameda Creek Population Recovery Strategies and Instream Flow Assessment for Steelhead Trout, Final Study Plan. Prepared for: Alameda Creek Fisheries Restoration Workgroup. 56 p.

viii. National Marine Fisheries Service. 2012. Southern California Steelhead Recovery Plan. Chapters 14-15. Southwest Region, Protected Resources Division, Long Beach, California. Jan. Available at http://swr.nmfs.noaa.gov/recovery/SC_Steelhead/index.htm

ix. Robinson, T. (Sr. Resource Scientist) and K. Rees (General Manager). 2010. Memorandum: March 2010 Lower Santa Ynez River Fisheries Report. Cachuma Conservation Release Board. April 26, 2010.

x. *State Water Resources Control Board. 2011. Final Environmental Impact Report for Cachuma Project. Volume IV. Appendix G: Data from the Lower Santa Ynez River Steelhead / Rainbow Trout Monitoring and Habitat Restoration Program. Dec.*

Attachment: William Trush Statement of Qualifications

William J. Trush, PhD

McBain & Trush, Inc.
980 7th St.
Arcata, CA 95521
Bill@mcbaintrush.com

BACKGROUND

William Trush has been senior ecologist for McBain & Trush, Inc., an environmental consulting firm in Arcata since 1995. As an adjunct professor to the Humboldt State University Fisheries Department, he has taught courses in stream ecology, river restoration, and coastal stream management since 1990. He specializes in integrating fluvial and ecological processes in river ecosystems: particularly floodplain/riparian dynamics, aquatic vertebrate and invertebrate life history requirements, the snowmelt hydrograph, and channelbed dynamics. McBain & Trush helped develop maintenance flow recommendations for the Trinity River and has formulated guidelines prescribing annual flow releases in regulated rivers for the USFS. Dr. Trush was on the Scientific Review Team (1999) for NMFS and the CA Resources Agency evaluating current California Forest Practice Rules with respect to anadromous salmonids in northern California, and has testified for the North Coast Regional Water Quality Control Board on establishing water quality standards related to cumulative watershed impacts. He is one of two scientists directing a stream restoration plan approved by SWRCB for Los Angeles Department of Water and Power on two tributaries to Mono Lake. This plan has focused on recovering shallow groundwater processes in floodplains and side-channels to restore cottonwood forests along Rush Creek. Dr. Trush is working on a steelhead restoration plan for Alameda Creek and developing instream flows for the Shasta River that will restore salmon habitat and facilitate red willow re-colonization. He has co-instructed with Dr. Luna Leopold and Scott McBain a 3-day course on river channels at the Teton Science School in Wyoming from 1990 up to Luna's death in 2006. In 2009-2010, he served on the United Water Conservation District VFDD Fish Passage Panel to identify stream passage flows for successful adult steelhead migration in the Santa Clara River Basin. Dr. Trush recently completed a geomorphic/ecological study funded by the SWRCB on the role of the snowmelt hydrograph in maintaining healthy river ecosystems in steep bedrock dominated rivers of the Sierra Nevada.

EDUCATION

- **Doctor of Philosophy (1991), Wildland Resource Science**
  Department of Forestry and Natural Resources, University of California, Berkeley
  Dissertation Title: *The Influence of Channel Morphology on Spawning Steelhead Trout in South Fork Eel River Tributaries*.

- **Master of Science (1979), Zoology,**
  Center for Environmental Studies, Virginia Polytechnic Institute and State University, Blacksburg, VA
  Thesis Title: *The Effects of Area and Surface Complexity on the Structure and Formation of Stream Benthic Communities*.

- **Bachelor of Science (1974), Zoology**
  Pennsylvania State University, University Park, PA

EXPERIENCE

- **Senior Ecologist and CEO (1995-present), McBain and Trush, Inc.**
  - Mono Lake Restoration, Los Angeles Department of Water and Power (1993-present). Served as a

court-appointed member to the Mono Lake Restoration Technical Committee to advise restoration strategies and biological sampling programs for several tributaries entering Mono Lake (1993-1995). Presently serving as a senior scientist for Los Angeles Department of Water and Power directing the stream restoration and monitoring with another senior scientist.

- Mad River Gravel Mining Assessment, Humboldt County (1992-present). Conducted geomorphic and anadromous fish habitat evaluation of instream gravel mining on the Mad River, Humboldt County. Presently serving on the Scientific Design and Restoration Committee.

- Trinity River Maintenance Flow Study, Hoopa Valley Tribe (1991-1997). Developed flow and sediment management recommendations downstream of Trinity and Lewiston dams to rehabilitate channel morphology and reverse negative impacts caused by the dams. Applies the approach of restoring a scaled-down dynamic alluvial river as a foundation for salmon recovery to be used as the long-term solution for dams coexisting with healthy salmon populations.

- Trinity River Scientific Framework Process, Trinity River Restoration Program (2001-present). After signing of the ROD and prior to staffing the new Restoration Program, assisted the Program during the interim period to continue improving the scientific components of the program. Organized and led two workshops. First workshop (June 2001) gathered agency, tribal, and stakeholder technical participants to refine scientific uncertainties in order to prioritize FY 2002 funding for the Restoration Program. Then assembled the results of the workshop, developed the draft FY 2002 budget ($11 million), and presented budget to the agency and tribal managers for review and approval. Second workshop (February 2002) gathered outside and internal scientists to review primary uncertainties and begin developing an overall Sampling and Monitoring Strategy for the Restoration Program. Currently participating as a member of the planning team for conducting the Scientific Framework Process, which will result in completing the Sampling and Monitoring Strategy.

- Klamath River Expert Testimony for Klamath River Settlement, Northcoast Environmental Center (2007-present). Participated as part of the Klamath Independent Review Process to conduct analysis of models and assumptions used to develop management scenarios in the Klamath River Settlement to determine how well Klamath River flows anticipated under both interim and long-term conditions are likely to support restoration of sustainable fisheries for Chinook salmon and other native fishes. Analyses include hydrograph analysis, future flow predictions, physical habitat availability, fluvial geomorphology and channel condition, water temperature and other water quality parameters, and impacts of fish diseases on current and future Chinook populations.

- Clackamas River FERC Relicensing Project, Portland General Electric (2001-2006). Conducted fluvial geomorphology, hydrology, and fish habitat evaluations to help develop instream flow and coarse sediment management strategies as part of the FERC relicensing process on the Clackamas River and Oak Grove Fork of the Clackamas River. Collected and analyzed field data, integrated for applicability in management strategies, and assisted collaborative relicensing group (agencies, NGO's, stakeholders) with technical components of relicensing effort.

- Member of Science Panel for recommending changes to the California Forest Practice Rules as part of a Memorandum of Understanding between California Resources Agency and NMFS (1998-1999).

- Member of United Water Conservation District VFDD Fish Passage Panel to identify stream passage flows for successful adult steelhead migration in the Santa Clara River Basin (2009-2010).

- **Director (1991-1995), Humboldt State University Institute for River Ecosystems**

  The Institute mission is to further our understanding, preservation, and management of river ecosystems. My duties include fiscal management, proposal development, and research. The River Institute managed the following projects:

  1) Development of a new assessment procedure and handbook for designing culvert systems on logging roads.
  2) Evaluation of geomorphic indices for detecting cumulative impacts to northern California streams.
  3) Maintenance flow recommendation procedures for a Sierra Nevada river.
  4) Facilitate review of a proposed USFS maintenance flow methodology.
  5) Effects of suspended sediment on stream ecology.

  Research projects (with Dr. Terry Roelofs as co-principal investigator) with the Fisheries Department of Humboldt State University included:

  1) Assessment of Benbow Dam effects on anadromous fish populations in the South Fork Eel River.
  2) Limnological and fisheries investigation of Stone Lagoon, CA.
  3) Cutthroat trout restoration program for McDonald Creek, Humboldt County, CA (for the Department of Parks and Recreation).
  4) Salmon fisheries investigation for the lower Smith River, CA.

TEACHING EXPERIENCE

- **Adjunct Professor (1989-present), Fisheries Dept., Humboldt State University, Arcata, CA**
  Instructor for the following courses: Coastal Stream Management, Technical Writing for Fisheries, Restoration of Aquatic Ecosystems, Watershed Dynamics and Restoration, Conflict Resolution in Natural Resources Management, Marsh Ecology, Stream Ecology, Graduate Fisheries Seminar, and Fisheries Techniques.

- **Instructor (1990-2005), Teton Science School, Kelly, WY**
  Co-instructor for a three day workshop on fluvial processes and stream restoration with Dr. Luna Leopold.

- **Instructor (1987-1988), Landscape Architecture Dept., University of California Berkeley**
  Instructor for: Hydrology for Environmental Planners and Ecological Analysis.

REFERENCES

- **Dr. Terry Roelofs, HSU Fisheries Department**
- **Dr. Andre Lehre, HSU Geology Department**
- **Dr. Robert Gearheart, HSU Department of Environmental Resources Engineering**

PUBLICATIONS

Bates, K.K. et al. 2010. Vern Freeman Dam Fish Passage Conceptual Design Report. Prepared for the United Water Conservation District. September 15, 2010.

McBain and Trush, Inc. 2007. Pulse Flow Guidelines: Managing the Annual Snowmelt Hydrograph and Winter Floods in Regulated Boulder-Bedrock Sierra Nevada Rivers. California Energy Commission, PEIR Energy-Related Environmental Research.

McBain and Trush, Inc. 2007. Draft Tuolumne River Flow Evaluation from O'Shaughnessy Dam to Early Intake. Proposed Study Plan and Methods. Prepared for San Francisco Public Utilities Commission, USFWS, and Yosemite National Park. 15 p. July 12, 2007.

McBain and Trush, Inc. 2000. Allocating Streamflows to Protect and Recover Threatened Salmon and Steelhead Populations in the Russian River and other North Coast Rivers of California. Prepared for Trout Unlimited. 38 p. plus appendices. July 27, 2000.

Trush, W.J., McBain, S.M., and L.B. Leopold. 2000. Attributes of an alluvial river and their relation to water policy and management. *Proceedings of the National Academy of Science* 97: 11858-11863.

Ligon, F., Rich, A., Rynearson, G., Thornburgh, and W. Trush. 1999. *Report of the Scientific Review Panel on California Forest Practice Rules and Salmonid Habitat*. Prepared for: The Resources Agency of California and the National Marine Fisheries Service, June 1999. 92 p. with appendices

McBain, S. and W. Trush. 1997. *Trinity River Maintenance Flow Report*. Prepared for: Hoopa Valley Tribe, Fisheries Department, P.O. Box 417, Hoopa, CA 95546, November 1997. 316 p.

McBain, S. and W. J. Trush. 1996. Thresholds for managing regulated river ecosystems. *Proceedings of the Sixth Biennial Watershed Management Conference*, University of California Water Resources Center Report No. 92, pp.11-13, April 1997.

Ridenhour, R.L., Hunter, C., and W.J. Trush. 1995. *Mono Basin Stream Restoration Work Plan*, prepared for Los Angeles Department of Water and Power, October 4, 1995. 228 p.

Trush, W.J., Franklin, R., and S. McBain. 1995. Assessing downstream variation of fluvial processes for recommending maintenance flows in regulated rivers. pp. 122-131, in Cassidy, J.J.(ed.), *Waterpower'95 Volume 1, Proceedings of the International Conference on Hydropower*, American Society of Civil Engineering, San Francisco, CA

McBain, S. and W.J. Trush. 1995. Channel bed mobility and scour on a regulated, gravel-bed river. pp. 1941-1950, in Cassidy, J.J. (ed.), *Waterpower'95 Volume 3, Proceedings of the International Conference on Hydropower*, American Society of Civil Engineering, San Francisco, CA

Ligon, F.K., Dietrich, W.E., and W.J. Trush. 1995. Downstream ecological effects of dams: A geomorphic perspective. *BioScience* 45(3):183-192.

McBain, S. and W.J. Trush. 1995. *River Channel Morphological and Sediment Changes in the Klamath Basin, Oregon and California*, prepared for the Technical Working Group, Klamath Fisheries Task Force, May 1995. 13 p. and appendices

Trush, W.J. and S. McBain. 1995. Preliminary channel maintenance flow recommendations for the mainstem Trinity River below Lewiston Dam. pp. 8-13, in Ridenhour, R.L. (ed.) *Proceedings of the Trinity River Restoration Colloquium*, Humboldt Chapter of the American Fisheries Society, funded by the U.S. Bureau of Reclamation, 36 p.

Trush, W.J. 1994. *A Review of the Mt. Hood National Forest Fish Habitat Restoration Program for Mt. Hood National Forest*, USFS, October 15, 1994.

McBain, S., W. Trush, and W. Smith. 1994. *Developing a Maintenance Flow Methodology: A Sample*

Plan for Steep Bedrock-Controlled Sierra Rivers. Humboldt State University Institute for River Ecosystems, IRE-08-94-01, 95 p.

Trush, W.J. 1994. Should the primary goal for anadromous salmonid restoration in the Klamath Basin be geomorphic? pp.38-42, in Hassler, T.J. (ed.) *Klamath Basin Fisheries Symposium, Proceedings of a symposium held in Eureka, California, 23-24 March 1994*, California Cooperative Fishery Research Unit, 237 p.

Trush, W.J. 1994. Understanding riparian dynamics: A management imperative. pp. 7-8, in *Inter-disciplinarian Perspectives of Riparian Ecosystems*, Humboldt State University, Arcata, CA. September 24, 1994.

Ligon, F., Dietrich, W.E., Power, M., and W.J. Trush. 1993. *Variable Ecological Responses of Large Rivers to Dams*. Presented at the Ecological Society of America Annual Meeting, Symposium for Ecological Approaches to the Study of Large Rivers, University of Wisconsin, Madison, August, 1993.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

In the Matter of: Hearing to Review the U.S. Bureau of Reclamation Water Rights Permits (Applications 11331 AND 11332) - Cachuma Project Phase 2	**CERTIFICATE OF SERVICE**

I am employed in the County of Santa Barbara, California. I am over the age of 18 and not a party to the within action. My business address is 906 Garden Street, Santa Barbara, CA 93101. On March 19, 2012, I served the:

MARCH 19, 2012 LETTER FROM KAREN M. KRAUS TO JANE FARWELL RE CACHUMA PROJECT HEARING

on the following parties: U.S. Bureau of Reclamation; National Marine Fisheries Service NOAA Office of General Counsel; Santa Barbara County CEO's Office; Department of Fish and Game; County of Santa Barbara, County Counsel, by placing a true and correct copy thereof in a sealed envelope with first class postage thereon fully prepaid in the United States mail at Ventura, California and addressed according to the attached Service List; and on the remaining parties by sending a true and correct copy electronically, addressed according to the attached service list.

I declare under penalty of perjury that the foregoing is true and correct and executed on March 19, 2012 at Ventura, California.

Karen M. Kraus

Cachuma Project Phase 2 Hearing
Final Service List
(updated 01/30/2012)

(Based on 01/05/2004 list, updated 07/26/2007, updated 06/08/2010, updated 01/20/2011, updated 05/13/2011, updated 07/29/2011, updated 01/05/2012, updated 01/30/2012)

The parties whose email addresses are listed below agreed to accept electronic service, pursuant to the rules specified in the hearing notice.

Cachuma Conservation Release Board Mr. Kevin O'Brien Downey Brand LLP 621 Capitol Mall, Floor 18 Sacramento, CA 95814 kobrien@downeybrand.com bcougar@downeybrand.com *updated 01/05/2012*	City of Solvang Mr. Christoper L. Campbell Baker, Manock & Jensen 5260 N. Palm Avenue, Suite 421 Fresno, CA 93704 ccampbell@bakermanock.com *updated 07/29/2011*
Santa Ynez River Water Conservation District, Improvement District No. 1 Mr. Gregory K. Wilkinson Best, Best & Krieger, LLP 3750 University Avenue, Suite 400 Riverside, CA 92501 Gregory.Wilkinson@Bbklaw.com *Updated 01/30/2012*	City of Lompoc Ms. Sandra K. Dunn Somach, Simmons & Dunn 500 Capitol Mall Suite 1000 Sacramento CA 95814 sdunn@somachlaw.com *updated 06/08/2010)*
Santa Ynez River Water Conservation District Mr. Ernest A. Conant Law Offices of Young Wooldridge 1800 – 30th Street, Fourth Floor Barkersfield, CA 93301 econant@youngwooldridge.com	California Trout, Inc. c/o Ms. Karen Kraus Environmental Defense Center 906 Garden Street Santa Barbara, CA 93101 kkraus@edcnet.org

The parties listed below did not agree to accept electronic service, pursuant to the rules specified by this hearing notice.

U.S Bureau of Reclamation Ms. Amy Aufdemberg 2800 Cottage Way, Room E-1712 Sacramento, CA 95825 Fax (916) 978-5694 AMY.AUFDEMBERGE@sol.doi.gov	Ms. Terri Maus-Nisich, Assistant CEO Santa Barbara County CEO's Office 105 E. Anapuma Street, 4th Floor Santa Barbara, CA 93101 tmaus@co.santa-barbara.ca.us *updated 01/05/2012*
Dan Hytrek NOAA Office of General Counsel Southwest Region 501 West Ocean Blvd., Suite 4470 Long Beach, CA 90802-4213 Dan.Hytrek@noaa.gov *updated 05/13/2011*	Department of Fish and Game Office of General Counsel Nancee Murray 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Nmurray@dfg.ca.gov

Cachuma Project Phase 2 Hearing
Final Service List continued
(updated 01/30/2012)

(Based on 01/05/2004 list, updated 07/26/2007, updated 06/08/2010, updated 01/20/2011, updated 05/13/2011, updated 07/29/2011, updated 01/05/2012, updated 01/30/2012)

The parties listed below did not agree to accept electronic service, pursuant to the rules specified by this hearing notice.

County of Santa Barbara
Mr. Dennis Marshall, County Counsel
105 E. Anapamu Street
Santa Barbara, CA 93101
dmarshall@co.santa-barbara.ca.us