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**From:** Anna Battagello <Anna.Battagello@dcd.cccounty.us>  
**Sent:** Tuesday, February 02, 2016 12:18 PM  
**To:** CWFhearing; 'Ryan Bezerra; Rubin, Jon@sldmwa.org; Van Zandt, Michael@hansonbridgett.com; Femlen, William@solanocounty.com; Wilcox, Carl@Wildlife; Guy, David@norcalwater.org  
**Cc:** Ryan A. Hernandez; Mizell, James@DWR; Amy.Aufdemberge@sol.doi.gov  
**Subject:** FW: CCC and LAND Letter re CWF Alternative 4A Modeling 2Feb16 with Attachment  
**Attachments:** CCC and LAND Letter re CWF Alternative 4A Modeling 2Feb16 wATTACHMENT.pdf; Proof of Service 2Feb16 wSERVICELIST.pdf

*Good afternoon,*

*NOTE\* this duplicate email is in response to bounced email addresses of initial email, below; addresses corrected herein.*

Please find attached a letter regarding the CWF Pre-Hearing conference and the Alternative 4A Modeling by Contra Costa County, Contra Costa County Water Agency, and the Local Agencies of the North Delta.

Thank you,

Anna Battagello, Secretary  
Contra Costa County Water Agency  
Department of Conservation and Development  
30 Muir Road  
Martinez, CA 94553-4601  
(925) 674-7884

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**From:** Anna Battagello  
**Sent:** Tuesday, February 02, 2016 10:47 AM  
**To:** 'CWFhearing@waterboards.ca.gov'; 'aferguson@somachlaw.com'; 'abl@bkslawfirm.com'; 'ahitchings@somachlaw.com'; 'Amy.Aufdemberge@sol.doi.gov'; 'apeltzer@prlawcorp.com'; 'Barbara Barrigan-Parrilla'; 'barry@solagra.com'; 'bdalymn@citlink.net'; 'bjohnson@tu.org'; 'bradpappa@gmail.com'; 'BrettgBaker@gmail.com'; 'BWright@friendsoftheriver.org'; 'Wilcox.Carl@Wildlife.ca.gov'; 'colin@ejcw.org'; 'connere@gmail.com'; 'daladjem@downeybrand.com'; 'daniel@kaydix.com'; 'ddj@cah2oresearch.com'; 'dean@hprlaw.net'; 'dkelly@somachlaw.com'; 'dorth@davidorthconsulting.com'; 'empappa@gmail.com'; 'fetherid@ebmud.com'; 'friendsofsfestuary@gmail.com'; 'info@californiadelta.org'; 'james.mizell@water.ca.gov'; 'jennifer@spallettalaw.com'; 'jherrlaw@aol.com'; 'Minton, Jonas'; 'john.luebberke@stocktonca.gov'; 'tara.mazzanti@stocktonca.gov'; 'Rubin, '; 'jrobinson@cityofsacramento.org'; 'jsalmon@ebmud.com'; 'kharrigfeld@herumcrabtree.com'; 'kkeller@neumiller.com'; 'O'Brien, Kevin'; 'kpoole@nrdc.org'; 'awearn@nrdc.org'; 'bobker@bay.org'; 'rzwillinger@defenders.org'; 'dobegi@nrdc.org'; 'kyle.jones@sierraclub.org'; 'lcaster@fclaw.com'; 'gadams@fclaw.com'; 'Jennifer Buckman'; 'thomas.esqueda@fresno.gov'; 'kelweg1@aol.com'; 'mlarsen@kdwcd.com'; 'sdalke@kern-tulare.com'; 'mhagman@lindmoreid.com'; 'sae16@lsid.org'; 'fmorrissey@orangecoveid.org'; 'sgeivet@ocsnet.net'; 'roland@ssjmud.org'; 'jph@tulareid.org'; 'matlas@jmatlaslaw.com'; 'michael@brodskylaw.net'; 'mjatty@sbcglobal.net'; 'Chris Shutes'; 'deltakeep@me.com'; 'barbarav@aqualliance.net'; 'caroleekrieger7@gmail.com'; 'mkropf@countyofcolusa.com'; 'mbently@countyofcolusa.org'; 'Martha Lennihan'; 'Nikkel, Meredith'; 'Van Zandt, '; 'office@ecosacramento.net'; 'Meserve, '; 'philip.Pogledich@yolocounty.org'; 'pminasian@minasianlaw.com'; 'porgansinc@sbcglobal.net'; 'psimmons@somachlaw.com'; 'pweiland@nossaman.com'; 'pwilliams@westlandswater.org'; 'rbernal@ci.antioch.ca.us'; 'rmburness@comcast.net'; 'rsb@bkcalawfirm.com'; Ryan A. Hernandez; Stephen M. Siptroth; 'smorris@swc.org'; 'srothert@americanrivers.org'; 'ssaxton@downeybrand.com'; 'sShapiro@downeybrand.com'; 'sunshine@snugharbor.net'; 'svolker@volkerlaw.com'; 'tgohring@waterforum.org'; 'tim@restorethedelta.org'; 'torr@earthjustice.org'; 'towater@olaughlinparis.com'; 'vkincaid@olaughlinparis.com'; 'Femlen, '; 'wirthsoscranes@yahoo.com'; 'mstone@clwa.org'; 'activistjen86@gmail.com'; 'bluse03@yahoo.com'; 'bu4567@aol.com';

'Cathleen.Galgiani@sen.ca.gov'; 'Trent.Hager@sen.ca.gov'; 'Marian.Norris@sen.ca.gov'; 'ccreel@kcwa.com';  
'ameliam@kcwa.com'; 'cjohns@calrestrats.com'; 'cynthiajlau@gmail.com'; 'deltaactioncommittee@gmail.com'; 'Guy,';  
'doug@stocktonchamber.org'; 'douglash@sbgmwd.com'; 'eofficer@cvcwa.org'; 'Erik Gustafson';  
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'gustavo.medina@asm.ca.gov'; 'gvang@lfcempowerment.org'; 'jdavis@sgpwa.com'; 'jduerig@zone7water.com';  
'jimcoxsportfishing@yahoo.com'; 'john@goldengatesalmon.org'; 'kbrill@mojavewater.org'; 'kmannion@rcrcnet.org';  
'kroedner@ccstockton.org'; 'larryruhstaller@gmail.com'; 'Lmagana@afsc.org'; 'Isheehan@earthlaw.org';  
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'nknodt@sanjoaquinrtd.com'; 'pgosselin@buttecounty.net'; 'r.mammon@att.net'; 'rcarcamero@gmail.com';  
'rcheng@cvwd.org'; 'reynolds6568@gmail.com'; 'rsheehan@mwdh2o.com'; 'Ryan.Wulff@noaa.gov';  
'tcrain@scvchamber.com'; 'torres.tomas@epa.gov'; 'usothea@apsaraonline.org'; 'vielmam07@yahoo.com';  
'wes@visitstockton.org'; 'dcooper@minasianlaw.com'; "Ryan Bezerra"

**Subject:** CCC and LAND Letter re CWF Alternative 4A Modeling 2Feb16 with Attachment

All,

Please find attached a letter regarding the CWF Pre-Hearing conference and the Alternative 4A Modeling by Contra Costa County, Contra Costa County Water Agency, and the Local Agencies of the North Delta.

Thank you,

Anna Battagello, Secretary  
Contra Costa County Water Agency  
Department of Conservation and Development  
30 Muir Road  
Martinez, CA 94553-4601  
(925) 674-7884

**Contra Costa County  
Contra Costa County Water Agency  
Local Agencies of the North Delta**

February 2, 2016

*Via Email and U.S. Mail*

Tam Doduc  
Felicia Marcus  
State Water Resources Control Board  
1001 I Street  
Sacramento, CA 95814  
Email: CWFhearing@waterboards.ca.gov

**Re: California Water Fix Pre-Hearing Conference and Alternative 4A Modeling**

Dear Hearing Chair Doduc and Ms. Marcus:

We are concerned that a crucial question was left unanswered at last week's Pre-hearing Conference: ***Did the lead agencies actually do full model runs for the proposed WaterFix project?*** Unfortunately, it appears the answer is "no."

Summary of Pre-Hearing coverage of this critical question:

- Parties at the Pre-hearing Conference alleged that full model runs were not done for the current WaterFix project environmental documents.
- Contra Costa County requested that the State Water Resources Control Board (SWRCB) ask the lead agency representatives whether full model runs had been done for the WaterFix project.
- The lead agencies did not provide a response to that key procedural question, nor did the Hearing Officers require an answer.
- Without actual modeling of Alternative 4A, the Petition is incomplete and inadequate, and participants in Part 1 are being impermissibly forced to base their testimony on inaccurate and speculative information.
- This information may be available in June 2016, with the release of the final environmental document.

As a result of its incompleteness, the Petition must therefore be rejected, or at the very least suspended, until the WaterFix project is actually modeled and the water rights, water quality and other impacts of the project are fully disclosed.

Because no full model runs were performed for Alternative 4A, any discussions of the impacts of the WaterFix project based on the Partially Recirculated Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) are speculative and do not fully disclose the potential impacts of the project on reservoir operations, Delta flows,

exports and legal users of water. Without full model runs, the impacts on fish and water quality that have been disclosed are conclusory and likely incorrect.

The lead agencies did complete full model runs for the prior project in the 2013 Bay Delta Conservation Plan (BDCP) Draft EIR/EIS. Subsequently, comments by a number of Bay-Delta stakeholders on problems with the BDCP modeling and the computer models led to revisions of the CALSIM II and DSM2 models. To be able to meet their self-imposed deadline for releasing the WaterFix draft environmental documents, the lead agencies decided not to do full model runs for the new alternatives. They also failed to redo the earlier BDCP model runs using the corrected CALSIM II and DSM2 models.

The SWRCB accepted the WaterFix Petition and issued its Notice of the WaterFix hearing before the close of the RDEIR/SDEIS comment period on October 30. This was before SWRCB staff had the opportunity to obtain and review comments on the RDEIR/SDEIS by Contra Costa Water District, the City of Antioch, and Contra Costa County about the lack of full model runs for the new alternatives 4A, 2D and 5A.

When Contra Costa County specifically requested all the modeling data for alternatives 4A, 2D and 5A, the California Department of Water Resources provided electronic data with a Modeling Data Disclaimer Agreement (attached) that acknowledges these model runs are not full model runs, excerpt below:

*“The Requestor is receiving modeling output for sensitivity analyses performed for the RDEIRS listed in the tables below. **Sensitivity analyses are not full model runs!** Minor changes (as summarized below) have been made to the full model runs performed for the BDCP Public Draft to assess the effects of the specific change. CALSIM II sensitivity model runs were not re-balanced to address any new or modified effects (as would be done for a full model run) that may be a result of the minor changes. The sensitivity analyses are only valid to assess the impacts of the minor changes. CALSIM II and DSM2 results from the sensitivity runs should only be used to answer the specific questions for which the runs were performed.”* (original emphasis in **bold** by DWR)

The Disclaimer acknowledges that those sensitivity analyses were based on the previous BDCP model runs. Those BDCP model runs were flawed and subsequent revisions were made to the CALSIM II and DSM2 models. Moreover, sensitivity analyses are only valid for identifying differences within a set of model runs, not to predict or estimate environmental conditions as a result of the project.

Despite the lack of any new modeling, the WaterFix draft environmental documents contain tables “disclosing” the water quality impacts of Alternative 4A (the preferred alternative that is the subject of this hearing) in which specific columns are clearly labeled as Alternative 4A. This may have misled the SWRCB and other reviewers of the WaterFix RDEIR/SDEIS into believing that fully modeled environmental impacts of the WaterFix project were being disclosed. Instead, the RDEIR/SDEIS simply speculates what Alternative 4A effects on water supply, the ecosystem and water quality might be.

As discussed at the Pre-Hearing Conference, the March 1 deadline to submit written testimony, a written version of the oral testimony and power point presentations based on a “proposed project” that has not been modeled is patently unreasonable.

We are aware that new modeling of Alternative 4A may have been done for the WaterFix working draft biological assessment that was released on January 15, 2016, well after the release of the SWRCB’s hearing notice. As was stated by the lead agencies at the Pre-hearing Conference, these new modeling data are not yet available for public review, including Part 1 hearing parties. Should we eventually obtain this modeling, the focus of the working draft biological assessment is on the impacts to fish and wildlife, potentially limiting the usefulness of the modeling for Part 1 testimony. In any case, none of these documents/modeling data have been made part of the present hearing process.

We thus request that the SWRCB determine whether the WaterFix project has been fully modeled to current standards for the proposed project activities, and that all water quality and river stage analyses for the Final WaterFix draft environmental document have been provided for public review and to protestants before making any decisions on procedural matters pertaining to the WaterFix hearing.

If the lead agencies confirm that no full model runs were performed, the SWRCB should dismiss the Petition or, at least, suspend the hearing process until a complete petition pursuant to Water Code section 1701.2 and 23 California Code of Regulations section 791, among other requirements, has been submitted. To proceed otherwise could only be viewed as prioritizing efficiency over the integrity and transparency of the hearing process.

We the undersigned appreciate this opportunity to provide written comments on this key WaterFix hearing procedural issue.

Sincerely,



Ryan Hernandez  
Contra Costa County and  
Contra Costa County Water agency



Osha R. Meserve  
Local Agencies of the North Delta

Att: Bay-Delta Conservation Plan (BDCP)/California Water Fix (CWF) Modeling Data  
Disclaimer Agreement  
Proof of Service

cc: Electronic service list as provided by the State Water Resources Control Board on  
January 26, 2016 (electronic service)  
Clifton Court L.P. (US Mail)

## **BAY-DELTA CONSERVATION PLAN (BDCP)/CALIFORNIA WATER FIX (CWF) MODELING DATA DISCLAIMER AGREEMENT**

The Requester is provided preliminary modeling data developed by the California Department of Water Resources (DWR) regarding the BDCP/CWF Recirculated Draft Environmental Impact Report/Supplemental Environmental Impact Statement (RDEIRS) under the following disclaimer acknowledgement.

DWR makes no warranties, representations or guarantees either expressed or implied, as to the completeness, accuracy or correctness of the data, nor accepts or assumes any liability arising from any incorrect, incomplete or misleading data as interpreted by Requestor and/or its agents. Requester acknowledges that this data has not been completely reviewed and approved by Lead agencies in the BDCP/CWF and is considered preliminary and tentative for future analysis and final decision-making support.

In exchange for access to this data the Requestor agrees to promptly notify DWR of any and all defects, errors, inaccuracies or any other discrepancies discovered in the data. The Requestor agrees to label any products with a version date, document author identified, and underlying data source(s).

Appropriate use of model results is important. Despite detailed model inputs and assumptions, the results may differ from real-time operations under stressed water supply conditions. Such model results occur due to the inability of the model to make real-time policy decisions under extreme circumstances, as the actual (human) operators must do. Therefore, these results should only be considered an indicator of stressed water supply conditions under that Alternative, and should not necessarily be understood to reflect literally what would occur in the future. For a complete description of the limitations, please see Appendix 5A from the BDCP Public Draft (released December 2013) at:  
[http://baydeltaconservationplan.com/Libraries/Dynamic\\_Document\\_Library/Public\\_Draft\\_BDCP\\_EIR-EIS\\_Appendix\\_5A\\_-\\_EIR-EIS\\_Modeling\\_Technical\\_Appendix\\_-\\_Sections\\_A\\_B.sflb.ashx](http://baydeltaconservationplan.com/Libraries/Dynamic_Document_Library/Public_Draft_BDCP_EIR-EIS_Appendix_5A_-_EIR-EIS_Modeling_Technical_Appendix_-_Sections_A_B.sflb.ashx)

The Requestor is receiving modeling output for sensitivity analyses performed for the RDEIRS listed in the tables below. **Sensitivity analyses are not full model runs!** Minor changes (as summarized below) have been made to the full model runs performed for the BDCP Public Draft to assess the effects of the specific change. CALSIM II sensitivity model runs were not re-balanced to address any new or modified effects (as would be done for a full model run) that may be a result of the minor changes. The sensitivity analyses are only valid to assess the impacts of the minor changes. CALSIM II and DSM2 results from the sensitivity runs should only be used to answer the specific questions for which the runs were performed.

Additional modeling performed for various sensitivity analyses included in the RDEIRS	Additional CALSIM II/DSM2 Runs
<p>Modeling mentioned in the RDEIRS Section ES.3.2.1.1 and described in Appendix 8H Attachment 1 under RDEIRS Appendix A:  <a href="http://baydeltaconservationplan.com/RDEIRS/Appendix_A_Rev_DEIR-S/App_8H-Att-1_TM-Update%20WQ%20Sens.pdf">http://baydeltaconservationplan.com/RDEIRS/Appendix_A_Rev_DEIR-S/App_8H-Att-1_TM-Update%20WQ%20Sens.pdf</a></p>	<ul style="list-style-type: none"> <li>• CALSIM II run of Alt4 H3 (LLT), with salinity compliance at Emmaton;</li> <li>• DSM2 runs using CALSIM II output for Alt4 H3 (LLT) with compliance at Emmaton with and without the daily patterning of Delta inflows;</li> <li>• Removing daily patterning of Delta inflows in Alt4 H3 (LLT) DSM2 run;</li> <li>• Alt4 H3 (LLT) DSM2 run with Montezuma Slough Salinity Control Gate (SCG) operations consistent with the NAA;</li> <li>• Alt4 H3 (LLT) DSM2 run with NAA SCG operations, and removing 65,000 acres restoration;</li> <li>• Alt4 H3 (LLT) DSM2 run with NAA Head of Old River Barrier operations.</li> </ul>
<p>Modeling described in RDEIRS Appendix B Section B.1:  <a href="http://baydeltaconservationplan.com/RDEIRS508/Appendix_B_Supp%20Alt-508.pdf">http://baydeltaconservationplan.com/RDEIRS508/Appendix_B_Supp%20Alt-508.pdf</a></p>	<p>New CALSIM II runs in support of this sensitivity analysis:</p> <ul style="list-style-type: none"> <li>• Alt4A (H3): Draft EIR/EIS Alternative 4 H3 without CM2, without CM4 and without shift in Emmaton compliance to Threemile Slough;</li> <li>• Alt4A (H4): Draft EIR/EIS Alternative 4 H4 without CM2, without CM4 and without shift in Emmaton compliance to Threemile Slough.</li> </ul>
<p>Modeling for SWRCB scenario described in RDEIRS Appendix C:  <a href="http://baydeltaconservationplan.com/RDEIRS/Appendix_C_SWRCB%20Permit.pdf">http://baydeltaconservationplan.com/RDEIRS/Appendix_C_SWRCB%20Permit.pdf</a></p>	<ul style="list-style-type: none"> <li>• SWRCB_Scenario: One CALSIM II run at ELT based on Alternative 4 H3.</li> </ul>

CALSIM II Model Run Log for the Sensitivity Analyses included in the RDEIRS Appendix A: Attachment 1 of Appendix 8H

Scenario	Scenario Description	CALSIM II Sensitivity Study	Filename
H3_LLT with compliance at Emmaton Sensitivity Run	RDEIRS Alternative 4 H3 at LLT with compliance at Emmaton Sensitivity Run	Study Zip File	.\SA2_Emm_Compliance_CALSIMII_Study\ BDCP_2020D09E_ALT2A_CALSIM_LLT_111113_rerun_w_Emm_WQCP.zip
		DSS output file	.\SA2_Emm_Compliance_CALSIMII_DSS_Output\ BDCP_2020D09E_ALT2A_CALSIM_LLT_111113_rerun_w_Emm_WQCP_TXFR_2020D09EDV.DSS

DSM2 Model Run Log for the Sensitivity Analyses included in the RDEIRS Appendix A: Attachment 1 of Appendix 8H

Scenario	Scenario Description	Daily patterning of DSM2 boundary conditions	DSS output filename
EX	RDEIRS CEQA Baseline	without daily patterning	.\SA1_Mon_BCond_DSM2_EC_DSS_Outputs\ BDCP_SA1_Ex_NoFallX2_monthly_baseline_v1_out_ec_PostPro.DSS
NAA_LLT	RDEIRS NEPA Baseline	without daily patterning	.\SA1_Mon_BCond_DSM2_EC_DSS_Outputs\ BDCP_SA1_NAA_LLT_monthly_bdcpl_naa_slr45_out_ec_PostPro.DSS
H3_LLT	RDEIRS Alternative 4 H3 at LLT	without daily patterning	.\SA1_Mon_BCond_DSM2_EC_DSS_Outputs\ BDCP_SA1_A4_H3_LLT_monthly_alt2a_llt_slr45_roa65_out_ec_PostPro.DSS
H3_LLT with	RDEIRS Alternative 4	with daily patterning	.\SA2_Emm_Compliance_DSM2_EC_DSS_Outputs\ BDCP_SA2_A4_H3_LLT_daily_alt2a_llt_slr45_roa65_out_ec_PostPro_daily.DSS

compliance at Emmaton Sensitivity Run	H3 at LLT with compliance at Emmaton Sensitivity Run	without daily patterning	.\SA2_Emm_Compliance_DSM2_EC_DSS_Outputs\ BDCP_SA2_A4_H3_LL_T_monthly_alt2a_llt_slr45_roa65_out_ec_PostPro_monthly.DSS
H3_LL_T with SCG	RDEIRS Alternative 4 H3 at LLT with Montezuma Marsh Salinity Control Gate Operations consistent with NAA	without daily patterning	.\SA4_CurrOps_SuisunGates_DSM2_EC_DSS_Outputs\ BDCP_SA4_A4_H3_LL_T_monthly_alt2a_llt_slr45_roa65_out_ec_PostPro.DSS
H3_LL_T with SCG and No Restoration	RDEIRS Alternative 4 H3 at LLT with Suisun Marsh Salinity Control Gate Operations consistent with NAA, and no 65,000 ac tidal habitat restoration	without daily patterning	.\SA4a_CurrOps_SuisunGates_NoRestoration_DSM2_EC_DSS_Outputs\ BDCP_SA4a_A4_H3_LL_T_monthly_alt2a_llt_slr45_roa0_out_ec_PostPro.DSS

H3_LLT with HORB open in Apr- May	RDEIRS Alternative 4 H3 at LLT with Head of Old River Barrier Operations consistent with NAA (open) during April and May	without daily patterning	.\SA10-1_openHORBarrier_DSM2_EC_DSS_Outputs\ BDCP_SA10- 1_A4_H3_LLT_mon_(openHORB)_alt2a_llt_slr45_roa65_out_ec_PostPro
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**PROOF OF SERVICE**

I am employed in Contra Costa County. My business address is 30 Muir Road, Martinez, California 94553. I am over the age of 18 years and not a party to this action.

On February 2, 2016, I served a true and correct copy of the following document(s):

**February 2, 2016, Letter Re: “California Water Fix Pre-Hearing Conference and Alternative 4A Modeling,” from Contra Costa County, Contra Costa County Water Agency, and the Local Agencies of the North Delta, to Tam Doduc & Felicia Marcus, State Water Resources Control Board**

  X   By Mail (CCP, § 1013a). I enclosed the above document(s) in a sealed envelope, addressed to each of those parties that have not agreed to service by electronic mail, at each such party’s address, as listed on the attached (REVISED) SERVICE LIST, Dated January 26, 2016. I placed the envelope for collection and mailing, following our ordinary business practice. I am readily familiar with the business’ practice for collecting and processing correspondence for mailing with the United States Postal Service. On the same day that my correspondence is placed for collection and mailing, it is deposited in the ordinary course of business with the United States Postal Service, in a sealed envelope, with postage thereon fully prepaid, at Martinez, California.

**AND**

  X   By Electronic Mail (CCP, § 1010.6; Wat. Code, § 1703.2(e)). Based on the orders and notices of the State Water Resources Control Board, and the agreement of the parties, I caused the above document(s) to be served by electronic mail on those parties that have agreed to accept service by electronic mail, by emailing the documents to the parties’ email addresses listed on the attached (REVISED) SERVICE LIST, Dated January 26, 2016.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on February 2, 2016, at Martinez, California.

  
\_\_\_\_\_  
Anna Battagello

**LIST OF PARTICIPANTS**  
**California WaterFix Petition Hearing**  
**(Scheduled to Commence on April 7, 2016)**

**REVISED SERVICE LIST (corrected)**  
**(Dated January 26, 2016)**

Be sure to copy all documents and correspondence addressed to the State Water Resources Control Board Members or staff regarding this hearing to [CWFhearing@waterboards.ca.gov](mailto:CWFhearing@waterboards.ca.gov).

**Table 1- Service List of Parties to Exchange Information**  
**(Parties Participating in Direct Testimony, Cross-Examination or Rebuttal)**

**Parties Participating in Part I (May also be Parties in Part II)**

**THE FOLLOWING PARTIES MUST BE SERVED WITH WRITTEN TESTIMONY, EXHIBITS AND OTHER DOCUMENTS. (Note: The parties listed below agreed to accept electronic service, pursuant to the rules specified in the hearing notice.)**

<b>Party</b>	<b>Authorized Representative/ Attorney</b>	<b>Authorized Representative's Affiliation</b>	<b>Email Address of Authorized Representative/ Attorney</b>
California Department of Water Resources	James (Tripp) Mizell		james.mizell@water.ca.gov
U.S. Department of the Interior, The	Amy L. Aufdemberge, Esq.		amy.aufdemberge@sol.doi.gov
Sacramento County Water Agency	Aaron Ferguson	Somach Simmons & Dunn	aferguson@somachlaw.com
Carmichael Water District, The	Aaron Ferguson	Somach Simmons & Dunn	aferguson@somachlaw.com
City of Roseville, The	Alan Lilly & Ryan Bezerra	Bartkiewicz, Kronick & Shanahan	abl@bkslawfirm.com; rsb@bkslawfirm.com
Sacramento Suburban Water District	Alan Lilly & Ryan Bezerra	Bartkiewicz, Kronick & Shanahan	abl@bkslawfirm.com; rsb@bkslawfirm.com
San Juan Water District	Alan Lilly & Ryan Bezerra	Bartkiewicz, Kronick & Shanahan	abl@bkslawfirm.com; rsb@bkslawfirm.com
City of Folsom, The	Alan Lilly & Ryan Bezerra	Bartkiewicz, Kronick & Shanahan	abl@bkslawfirm.com; rsb@bkslawfirm.com
Yuba County Water Agency	Alan Lilly & Ryan Bezerra	Bartkiewicz, Kronick & Shanahan, P.C.	abl@bkslawfirm.com; rsb@bkslawfirm.com
South Valley Water Association, et al.	Alex M Peltzer	Peltzer & Richardson, LC	apeltzer@prlawcorp.com
Biggs-West Gridley Water District (BWGWD)	Andrew M. Hitchings	Somach Simmons & Dunn, PC	ahitchings@somachlaw.com
Glenn-Colusa Irrigation District (GCID)	Andrew M. Hitchings	Somach Simmons & Dunn	ahitchings@somachlaw.com

Restore the Delta	Barbara Barrigan-Parilla & Tim Strohane	Restore the Delta	barbara@restorethedelta.org; tim@restorethedelta.org
Barbara Daly	Barbara Daly		bdalymn@citlink.net
SolAgra Corporation/ IDE Technologies	Barry Sgarrella	SolAgra Corporation	barry@solagra.com
California Delta Chambers & Visitor's Bureau	Bill Wells		info@californiadelta.org
Steamboat Resort	Brad & Emily Pappalardo		empappa@gmail.com; bradpappa@gmail.com
Brett G. Baker	Brett G. Baker		brettgbaker@gmail.com
The Environmental Justice Coalition for Water	Colin Bailey, J.D.		colin@ejcw.org
Placer County Water Agency, The	Daniel Kelly	Somach Simmons & Dunn	dkelly@somachlaw.com
City of Brentwood, The	David Aladjem	Downey Brand LLP	daladjem@downeybrand.com
Reclamation District No. 800 (Byron Tract)	David Aladjem	Downey Brand LLP	daladjem@downeybrand.com
Friant North Authority	David Orth		dorth@davidorthconsulting.com
Deirdre Des Jardins	Deirdre Des Jardins		ddj@cah2oresearch.com
Nevada Irrigation District (NID)	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper LLP	dcooper@minasianlaw.com
Butte Water District (BWD)	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
Richvale Irrigation District (RID)	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
Anderson - Cottonwood Irrigation District	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
Plumas Mutual Water Company (PMWC)	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
Reclamation District 1004	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
South Feather Water and Power Agency	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
Western Canal Water District (WCWD)	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com
Paradise Irrigation District	Dustin C. Cooper	Minasian, Meith, Soares, Sexton & Cooper, LLP	dcooper@minasianlaw.com

Friant Water Authority & Friant Water Authority Members	Fennemore Craig, Lauren Caster, Gregory Adams, Jennifer Buckman, and 13 others		lcaster@fclaw.com; gadams@fclaw.com; jbuckman@friantwater.org; thomas.esqueda@fresno.gov; kelweg1@aol.com; mlarsen@kdwcd.com; sdalke@kern-tulare.com; mhagman@lindmoreid.com; sae16@lsid.org; fmorrissey@orangecoveid.org; sgeivet@ocsnet.net; roland@ssjmud.org; jph@tulareid.org
East Bay Municipal Utility District	Fred Etheridge & Jonathan Salmon		fetherid@ebmud.com; jsalmon@ebmud.com
North San Joaquin Water Conservation District	Jennifer Spaletta	Spaletta Law	jennifer@spalettalaw.com
City of Sacramento, The	Joe Robinson / Martha Lennihan	Office of the City Attorney / Lennihan Law	jrobinson@cityofsacramento.org; mlennihan@lennihan.net
Central Delta Water Agency, South Delta Water Agency (Delta Agencies), Lafayette Ranch, Heritage Lands Inc., Mark Bachetti Farms and Rudy Mussi Investments L.P.	John Herrick, Esq. and Dean Ruiz, Esq.		jherrlaw@aol.com; dean@hprlaw.net
City of Stockton, The	John Luebberke & Tara Mazzanti		john.luebberke@stocktonca.gov; tara.mazzanti@stocktonca.gov
San Luis & Delta-Mendota Water Authority	Jon Rubin		Jon.Rubin@SLDMWA.org
Stockton East Water District	Karna E. Harrigfeld		kharrigfeld@herumcrabtree.com
North Delta Water Agency & Member Districts	Kevin O'Brien	Downey Brand LLP	kobrien@downeybrand.com

Brannan-Andrus Levee Maintenance District; Reclamation District 407; Reclamation District 2067; Reclamation District 317; Reclamation District 551; Reclamation District 563; Reclamation District 150; Reclamation District 2098	Kevin O'Brien & David Aladjem	Downey Brand LLP	kobrien@downeybrand.com; daladjem@downeybrand.com
Sacramento Valley Group, The	Kevin O'Brien & David Aladjem	Downey Brand LLP	kobrien@downeybrand.com; daladjem@downeybrand.com
Sacramento Municipal Utility District (SMUD)	Kevin O'Brien & David Aladjem	Downey Brand LLP	kobrien@downeybrand.com; daladjem@downeybrand.com
County of San Joaquin, San Joaquin County Flood Control and Water Conservation District, and Mokelumne River Water and Power Authority	Kurtis C. Keller	Neumiller & Beardslee	kkeller@neumiller.com
County of Colusa, The	Marcos Kropf & Matthew C. Bently		mkropf@countyofcolusa.com; mbently@countyofcolusa.org
Save the California Delta Alliance; Janet & Michael McCleary; Frank Morgan; and Captain Morgan's Delta Adventures, LLC	Michael Brodsky	Law Offices of Michael A. Brodsky	michael@brodskylaw.net
Islands, Inc	Michael J. Van Zandt	Hanson Bridgett, LLP	mvanzandt@hansonbridgett.com
California Sportfishing Protection Alliance (CSPA), California Water Impact Network (C-WIN), and AquAlliance	Michael Jackson, Bill Jennings, Chris Shutes, Barbara Vlamis, and Carolee Krieger	Law Offices of Michael Jackson	mjatty@sbcglobal.net; blancapaloma@msn.com; deltakeep@me.com; barbarav@aqualliance.net; caroleekrieger7@gmail.com;
Snug Harbor Resorts, LLC	Nicole S. Suard, Esq.		sunshine@snugharbor.net
Local Agencies of the North Delta	Osha Meserve		osha@semlawyers.com
Bogle Vineyards/Delta Watershed Landowner Coalition	Osha Meserve		osha@semlawyers.com
Diablo Vineyards and Brad Lange/Delta Watershed Landowner Coalition	Osha Meserve		osha@semlawyers.com

Stillwater Orchards/Delta Watershed Landowner Coalition	Osha Meserve		osha@semlawyers.com
Patrick Porgans	Patrick Porgans	Patrick Porgans & Associates	porgansinc@sbcglobal.net
San Joaquin River Exchange Contractors Water Authority	Paul R. Minasian	Minasian, Meith, Soares, Sexton & Cooper, LLP	pminasian@minasianlaw.com
Coalition for a Sustainable Delta, The	Paul S. Weiland		pweiland@nossaman.com
Sacramento Regional County Sanitation District	Paul S. Simmons	Somach Simmons & Dunn, PC	psimmons@somachlaw.com
Westlands Water District	Philip A Williams		pwilliams@westlandswater.org
County of Yolo, The	Philip J. Pogledich		philip.pogledich@yolocounty.org
City of Antioch	Ron Bernal		rbernal@ci.antioch.ca.us
Contra Costa County and Contra Costa County Water Agency	Ryan Hernandez		ryan.hernandez@dcd.cccounty.us; stephen.siptroth@cc.cccounty.us
Contra Costa Water District	Scott Shapiro and Kevin O'Brien	Downey Brand LLP	sshapiro@downeybrand.com; kobrien@downeybrand.com
Daniel Wilson	Daniel Wilson		daniel@kaydix.com
State Water Contractors	Stefanie Morris		smorris@swc.org
Pacific Coast Federation of Fishermen's Associations and Institute for Fisheries Resources	Stephan C. Volker	Volker Law	svolker@volkerlaw.com
Tehama-Colusa Canal Authority & water service contractors in its service area	Steven Saxton, Meredith Nikkel & J. Mark Atlas	Downey Brand	ssaxton@downeybrand.com mnikkel@downeybrand.com matlas@jmatlaslaw.com
San Joaquin Tributaries Authority, The (SJTA), Merced Irrigation District, Modesto Irrigation District, Oakdale Irrigation District, South San Joaquin Irrigation District, Turlock Irrigation District, and City and County of San Francisco	Tim O' Laughlin & Valerie C. Kincaid	O'Laughlin & Paris, LLP	towater@olaughlinparis.com; vkincaid@olaughlinparis.com
Water Forum, The	Tom Gohring		tgohring@waterforum.org

Earthjustice	Trent W. Orr		torr@earthjustice.org
County of Solano	William Emlen		wfemlen@solanocounty.com

**THE FOLLOWING PARTY MUST BE SERVED WITH WRITTEN TESTIMONY, EXHIBITS AND OTHER DOCUMENTS. (Note: The party listed below must be served a hard copy, pursuant to the rules specified in the hearing notice.)**

<b>Party</b>	<b>Authorized Representative/ Attorney</b>	<b>Mailing Address of Authorized Representative/ Attorney</b>
Clifton Court, L.P.	Suzanne Womack & Sheldon Moore	3619 Land Park Drive Sacramento, CA 95818

**Parties Participating in Part II Only (Must also be Served in Part I)**

**THE FOLLOWING PARTIES MUST BE SERVED WITH WRITTEN TESTIMONY, EXHIBITS AND OTHER DOCUMENTS. (Note: The parties listed below agreed to accept electronic service, pursuant to the rules specified in the hearing notice.)**

<b>Party</b>	<b>Authorized Representative/ Attorney</b>	<b>Authorized Representative's Affiliation</b>	<b>Email Address of Authorized Representative/ Attorney</b>
County of Sacramento, The	Aaron Ferguson	Somach Simmons & Dunn	aferguson@somachlaw.com
Friends of the River	E. Robert Wright		bwright@friendsoftheriver.org
Environmental Council of Sacramento (ECOS)	Brenda Rose		office@ecosacramento.net
Trout Unlimited	Brian Johnson		bjohnson@tu.org
California Department of Fish and Wildlife	Carl Wilcox		carl.wilcox@wildlife.ca.gov
Environmental Water Caucus	Conner Everts		connere@gmail.com
Sierra Club California	E. Robert Wright & Kyle Jones		bwright@friendsoftheriver.org; kyle.jones@sierraclub.org
Planning & Conservation League	Jonas Minton		jminton@pcl.org
Natural Resources Defense Council, The Bay Institute, and Defenders of Wildlife	Kate Poole	Natural Resources Defense Council	kpoole@nrdc.org; awaren@nrdc.org; bobker@bay.org; rzwilling@defenders.org; dobegi@nrdc.org
SAVE OUR SANDHILL CRANES	Mike Savino		wirthsoscranes@yahoo.com
Friends of the San Francisco Estuary	Mitch Avalon		friendsofsfestuary@gmail.com
Friends of Stone Lakes National Wildlife Refuge	Osha Meserve		osha@semlawyers.com; rmburness@comcast.net
American Rivers, Inc.	Steve Rothert		srothert@americanrivers.org

**Table 2 - Interested Persons  
(Persons Intending to Make Policy Statements Only)**

**PARTIES IN TABLE 1 ARE NOT REQUIRED TO SERVE THE FOLLOWING INTERESTED PERSONS WITH WRITTEN TESTIMONY, EXHIBITS, AND OTHER DOCUMENTS**

**Interested Persons Participating in Part I (May also be Interested Persons in Part II)**

<b>Interested Person</b>	<b>Authorized Representative/ Attorney</b>	<b>Authorized Representative's Affiliation</b>	<b>Email Address of Authorized Representative/ Attorney</b>
Castaic Lake Water Agency	Matthew Stone		mstone@clwa.org
Central Valley Clean Water Association	Debbie Webster		eofficer@cvcwa.org
Coachella Valley Water District	Robert C Cheng		rcheng@cvwd.org
Desert Water Agency	Mark Krause		mkrause@dwa.org
Kern County Water Agency	Curtis Creel		ccreel@kcwa.com, ameliam@kcwa.com
Metropolitan Water District of Southern California	Rebecca Sheehan		rsheehan@mwdh2o.com
Mojave Water Agency	Kirby Brill		kbrill@mojavewater.org
North Delta C.A.R.E.S.	Anna Swenson		deltaactioncommittee@gmail.com
North State Water Alliance	David J. Guy	Northern California Water Association	dguy@norcalwater.org
Partnership for Sound Science in Environmental Policy	Craig S.J. Johns		cjohns@calrestrats.com
San Bernardino Valley Municipal Water District	Douglas Headrick		douglash@sbgmwd.com
Butte County Department of Water and Resource Conservation	Paul Gosselin		pgosselin@buttecounty.net
San Geronio Pass Water Agency	Jeff Davis		jdavis@sgpwa.com
Santa Clara Valley Water District	Erick Soderlund		esoderlund@valleywater.org
Terri Crain	Terri Crain		tcrain@scvchamber.com

Tulare Lake Basin Water Storage District	Mark Gilkey		mgilkey@tlbwsd.com
U.S. EPA Region 9	Tomas Torres		torres.tomas@epa.gov
Zone 7 Water Agency	J. Duerig		jduerig@zone7water.com
City of Chico, The	Erik Gustafson		Erik.gustafson@chicoca.gov
Rural County Representatives of California	Kathy Mannion		kmannion@rcrcnet.org
SEMILLAS (Stockton Educational Movement in Language Literacy and Scholarship)	Moteczuma Sanchez		motecps@gmail.com

### Interested Persons Participating in Part II Only

Interested Person	Authorized Representative/ Attorney	Authorized Representative's Affiliation	Email Address of Authorized Representative/ Attorney
African American Chamber of Commerce of San Joaquin County	Brandie Owusu-Spencer	African American Chamber of Commerce of San Joaquin County	eyv209@gmail.com
Asian Pacific Self-Development and Residential Association (APSARA)	Hengsothea Ung		usothea@apsaraonline.org
Assemblymember Susan Eggman (and staff)	Gustavo Medina		gustavo.medina@asm.ca.gov
Braceros del Delta	Luis Magaña		Lmagana@afsc.org
Cafe Coop	Esperanza Vielma		evielma@cafecoop.org
California Striped Bass Association	Jim Cox		jimcoxsportfishing@yahoo.com
California Student Sustainability Coalition	Ryan Camero		rcarcamero@gmail.com
Catholic Charities, Diocese of Stockton	Katelyn Roedner Sutter		kroedner@ccstockton.org
Central Valley Asian Chamber	Cynthia Lau		cynthialau@gmail.com
Earth Law Center	Linda Sheehan		lsheehan@earthlaw.org
Frank L Ruhstaller	Frank L Ruhstaller		larryruhstaller@gmail.com
Golden Gate Salmon Assoc	John McManus		john@goldengatesalmon.org
Greater Stockton Chamber of Commerce	Douglas W. Wilhoit, Jr.		doug@stocktonchamber.org
Joan Buchanan	Joan Buchanan		bu4567@aol.com

Lao Family Community Empowerment, Inc.	Ger Vang		gvang@lfcempowerment.org
Lower Sherman Island Duck Hunters Association	Roger Mammon		r.mammon@att.net
Michael Frost	Michael Frost		mr.michaelfrost@gmail.com
National Marine Fisheries Service	Ryan Wulff		ryan.wulff@noaa.gov
Rogene Reynolds	Rogene L. Reynolds		reynolds6568@gmail.com
Ronald A. Forbes, Delta Fly Fishers	Ronald A. Forbes		bluse03@yahoo.com
San Francisco Baykeeper	George Torgun		george@baykeeper.org
Senator Cathleen Galgiani	Senator Cathleen Galgiani and Staff Trent Hager & Marian Norris		Cathleen.Galgiani@sen.ca.gov; Trent.Hager@sen.ca.gov; Marian.Norris@sen.ca.gov
Social Media Moms	Martha Vielma		vielmam07@yahoo.com
Stockton Downtown Comeback Club	Karl E Nate Knodt		nknodt@sanjoaquinrtd.com
Stockton Vegan & Vegetarians	Jennifer Patterson		activistjen86@gmail.com
Visit Stockton	Wes Rhea		wes@visitstockton.org