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6 California Sportfishing Protection Alliance

7 AquAlliance

8 California Water Impact Network

9 **BEFORE THE**

10 **CALIFORNIA STATE WATER RESOURCES CONTROL BOARD**

11 HEARING IN THE MATTER OF  
12 CALIFORNIA DEPARTMENT OF WATER  
13 RESOURCES AND UNITED STATES  
14 BUREAU OF RECLAMATION  
15 REQUEST FOR A CHANGE IN POINT OF  
16 DIVERSION FOR CALIFORNIA WATER  
17 FIX

18 **PROTESTANTS CSPA ET AL.  
19 (AQUALLIANCE, CALIFORNIA  
20 SPORTFISHING PROTECTION  
21 ALLIANCE AND CALIFORNIA WATER  
22 IMPACT NETWORK) MOTION TO  
23 SUBMIT PART 1B EVIDENCE INTO  
24 THE RECORD**

25  
26 Consistent with the direction of Hearing Officer Tam Doduc to submit a written exhibit  
27 list of testimony and exhibits offered into evidence one week after the conclusion of their cases  
28 in chief, Protestants CSPA et al. hereby submit their respective indices listing their exhibits for  
entry into evidence in this Part 1B of the WaterFix Hearing and respectfully move the exhibits  
listed thereon into evidence in this proceeding.

CSPA et al. comprises the California Sportfishing Protection Alliance, California Water  
Impact Network and AquAlliance, and their combined testimony and exhibits were associated  
with the presentation of a single panel.

The revised exhibit lists submitted herewith identify the testimony and exhibits  
previously taken under submission. The previously submitted exhibits and testimony that

1 Protestants CSPA et al. withdraw from submission into evidence are indicated in strikeout in the  
2 exhibit lists. The previously submitted exhibits and testimony that Protestants CSPA et al. have  
3 revised, either on their own motion or at the direction of the Hearing Officers, are highlighted in  
4 yellow in the exhibit lists. The revised exhibit lists and each modified exhibit will be uploaded  
5 to the CSPA et al. FTP folder.

6 CSPA et al. believes these revised exhibit lists and corrected exhibits are fully responsive  
7 to the objections accepted by the Hearing Officers, the rulings of the Hearing Officers, and the  
8 relevant discussions regarding evidence that occurred at the hearings.

9  
10 **Dated: 8 December 2016**

11  
12 

13  
14 For Michael B. Jackson  
15 Attorney for Protestants CSPA et al.  
16 (California Sportfishing Protection Alliance,  
17 AquAlliance and California Water Impact  
18 Network)

**California Sportfishing Protection Alliance (CSPA) Exhibit List - Revised 17 October 2016 - 2nd Revised 7 De**

Exhibit Identification Number	Exhibit Description	File Name	Stat (for Hear)
			<b>Introduced</b>
CSPA-1	Bill Jennings Qualifications	cspa_1.pdf	
CSPA-2	Bill Jennings Testimony	cspa_2.pdf	
CSPA-2-Revised	Bill Jennings Testimony Revised	cspa_2_revised.pdf	
<b>CSPA-2-Revised2</b>	<b>Bill Jennings Testimony 2nd Revised</b>	<b>cspa_2_revised2.pdf</b>	
CSPA-3	Chris Shutes Qualifications	cspa_3.pdf	
CSPA-4	Chris Shutes Testimony	cspa_4.pdf	
CSPA-4-Revised	Chris Shutes Testimony Revised	cspa_4_revised.pdf	
CSPA-5	Lee Summary Resume	cspa_5.pdf	
CSPA-6	G. Fred Lee Testimony	cspa_6.pdf	
CSPA-6-Revised	G. Fred Lee Testimony Revised	cspa_6_revised.pdf	
CSPA-7	Thomas Cannon Qualifications	cspa_7.pdf	
CSPA-8	Thomas Cannon Testimony	cspa_8.pdf	
CSPA-9 through CSPA-14	Reserved		
CSPA-15	Letter from Victoria Whitney SWRCB to DWR and USBR 19 March 2004	cspa_15.pdf	
CSPA-16	Letter from Victoria Whitney SWRCB to DWR and USBR 28 July 2004	cspa_16.pdf	
CSPA-17	2010 California 303(d) List of Water Quality Limited Segments	cspa_17.pdf	
CSPA-18	Environmental Water Caucus Comments on BDCP/WaterFix RDEIR/SDEIS 30Oct15	cspa_18.pdf	
CSPA-19	CSPA Comment Letter No.2 on BDCP EIR/EIS 28 July 2014	cspa_19.pdf	
CSPA-20	A Strategic Review of CalSim II, December 2003	cspa_20.pdf	
CSPA-21	Musings on a Model: CalSim II in California's Water Community, 2005	cspa_21.pdf	
CSPA-22	Water Supply Indices Historical, Unimpaired Runoff, CDEC	cspa_22.pdf	
CSPA-23	Panel Review, CDFW Quantifiable Biological Objectives and Flow Criteria for Aquatic and Terrestrial Species of Concern Dependent on the Delta.pdf	cspa_23.pdf	
CSPA-24	A Review of the Use of Science and Adaptive Management in California's Draft Bay Delta Conservation Plan, 2011.	cspa_24.pdf	
CSPA-25	Letter from USEPA to USBR on BDCP/WaterFix SDEIS, 30 October 2015	cspa_25.pdf	
CSPA-26	Sacramento-San Joaquin Delta Reform Act of 2009	cspa_26.pdf	
CSPA-27	Bay-Delta Public Trust Balancing ECNorthwest	espa_27.pdf	
CSPA-28 through CSPA-35	Reserved		
CSPA-36	Text and Modeled End-of-Month Storage Plots from RDEIR/SDEIS	cspa_36.pdf	
CSPA-37	Actual End-of-Month Storage Plots 2007 2013 from CDEC	cspa_37.pdf	
CSPA-38	SWP and CVP Demands from 2013 DEIR/DEIS	cspa_38.pdf	
CSPA-39	Excerpts from Federal Legislation S. 2533 and H.R. 2898	cspa_39.pdf	
CSPA-40	1995-2012 Through-Delta Transfers, SWP and CVP Allocation Percentages from 2013 DEIR/DEIS	cspa_40.pdf	
CSPA-41	Text on Transfers from RDEIR/SDEIS	cspa_41.pdf	
CSPA-42	Bureau of Reclamation Closing Brief Auburn Dam Permit Revocation Hearing 2008	cspa_42.pdf	
CSPA-43	Bureau of Reclamation Supplement to Petition for Extension of Time CVP Permits 2009	cspa_43.pdf	
CSPA-44	DWR Supplement to Petition for Extension of Time SWP Permits 2009	cspa_44.pdf	
CSPA-45 reserved	Reserved		
CSPA-46	Flow and Storage Plots Various Years 1995-2016 from CDEC in Support of Cannon Testimony	cspa_46.pdf	
CSPA-47 through CSPA-55	Reserved		
CSPA-56	Lee Testimony PowerPoint	cspa_56.pdf	
CSPA-56-Revised	Lee Testimony PowerPoint	cspa_56_revised.pdf	
CSPA-57	WaterFix Fact Sheet	cspa_57.pdf	
CSPA-58	Lee Comments BDCP	cspa_58.pdf	
CSPA-59	Lee Comments to DWR	cspa_59.pdf	
CSPA-60	Lee Experience Delta WQ	cspa_60.pdf	
CSPA-61	RecentAdvWaterRes	cspa_61.pdf	
CSPA-62	SynthesisRpt3-21-03	cspa_62.pdf	
CSPA-63	SynthRptSupp	cspa_63.pdf	
CSPA-64	Map of Delta Showing Flow Direction	cspa_64.pdf	
CSPA-65	Central-Delt-Tours	cspa_65.pdf	







## Exhibit Identification Index

California WaterFix hearing  
California Department of Water Resources and U.S. Bureau of Reclamation

Date: September 1, 2016 - Revised 17 October 2016 - Revised2 - 7 December 2016

PARTICIPANT: CSPA et al., AquAlliance

Exhibit Identification Number (e.g. DWR-1)	Exhibit Description	File Name	Status of Evidence		
			(for Hearing Team use Only)		
			Introduced	Accepted	By Official Notice
AQUA-1	Vlomis Testimony	aqua_1.pdf			
AQUA-1-revised	Vlomis Testimony Revised	aqua_1_revised.pdf			
AQUA-1-Revised2	Vlomis Testimony 2nd Revised	aqua_1_revised2.pdf			
AQUA-2	Vlomis Qualifications	aqua_2.pdf			
AQUA-3	Brobeck Testimony	aqua_3.pdf			
AQUA-3-revised	Brobeck Testimony Revised	aqua_3_revised.pdf			
AQUA-3-Revised2	Brobeck Testimony 2nd Revised	aqua_3_revised2.pdf			
AQUA-4	Brobeck Qualifications	aqua_4.pdf			
AQUA-5	Custis Testimony	aqua_5.pdf			
AQUA-6	Custis Qualifications	aqua_6.pdf			
AQUA-7	Custis Powerpoint	aqua_7.pdf			
AQUA-8	Sacramento Valley CASGEM Priority Areas	aqua_8.pdf			
AQUA-9	Changes in Groundwater Levels in Sacramento Valley (2004 to 2015)	aqua_9.pdf			
AQUA-10	Northern Sacramento Valley Change in Shallow Groundwater Elevation Map 2004 to 2014	aqua_10.pdf			
AQUA-11	Northern Sacramento Valley Change in Intermediate Groundwater Elevation Map 2004 to 2014	aqua_11.pdf			
AQUA-12	Northern Sacramento Valley Change in Deep Groundwater Elevation Map 2004 to 2014	aqua_12.pdf			
AQUA-13	Average annual Central Valley Basin Flows from C2VSim model for Water Years 1922-2009	aqua_13.pdf			
AQUA-14	Average annual Central Valley Basin Flows from C2VSim model for Water Years 2000-2009	aqua_14.pdf			
AQUA-15	Summary of Sacramento Valley Historical Water Balance	aqua_15.pdf			
AQUA-16	Estimated Annual Diversions, Sacramento Valley	aqua_16.pdf			
AQUA-17	Estimated Annual Pumping, Sacramento Valley	aqua_17.pdf			
AQUA-18	Comparison Groundwater Pumping and Accretion, Sac Valley	aqua_18.pdf			
AQUA-19	Composite Map Domestic Wells, Sacramento Valley	aqua_19.pdf			
AQUA-20	Sacramento Valley Wells Groundwater Elevation 2004-2014	aqua_20.pdf			
AQUA-21	Stream Impacts from Groundwater Substitution	aqua_21.pdf			
AQUA-22	Ideal Response Curves for Depletion Rates	aqua_22.pdf			
AQUA-23	Stream Depletion Caused by Wells	aqua_23.pdf			
AQUA-24	GCID Well Impact and Depth Summary	aqua_24.pdf			
AQUA-25	Calculation of Stream Depletion as Percentage of Pumping	aqua_25.pdf			
AQUA-26	Map-Simulated average annual subsurface flows between subregions, 1960-1969	aqua_26.pdf			
AQUA-27	Map-Simulated average annual subsurface flows between subregions, 2000-2009	aqua_27.pdf			
AQUA-28	Map-Spring 2016 Groundwater Contours Sacramento, San Joaquin and Yolo Countries	aqua_28.pdf			
AQUA-29	Custis comments, 10 Year Transfer DEIS/R	aqua_29.pdf			
AQUA-30	Custis comments, 10 Year Transfer FEIS/R	aqua_30.pdf			
AQUA-31	Custis comments, GCID DEIR	aqua_31.pdf			
AQUA-32	Custis additional comments, GCID DEIR	aqua_32.pdf			
AQUA-33	Custis comments, WaterFix	aqua_33.pdf			
AQUA-34	Report: SYSTEM-WIDE CONJUNCTIVE WATER MANAGEMENT	aqua_34.pdf			
AQUA-35	Third Party Effects and Asymmetric Externalities in Groundwater Extraction, Siwa Msangi	aqua_35.pdf			
AQUA-36	Memo: VWPA Substantiation of Damages, Gilbert & Dunn	aqua_36.pdf			
AQUA-37	AquAlliance comments on the 2010-2011 Water Transfer Program	aqua_37.pdf			
AQUA-38	AquAlliance comments on the 2013 Water Transfer Program	aqua_38.pdf			
AQUA-39	AquAlliance comments on the 2014 Water Transfer Program	aqua_39.pdf			

AQUA-40	AquAlliance comments on the <i>2015 Long-Term Water Transfers</i>	aqua_40.pdf			
AQUA-41	AquAlliance's comments on the Bay Delta Conservation Plan's DEIS/EIR	aqua_41.pdf			
AQUA-42	AquAlliance comments. Bureau of Reclamation's Coordinated Long Term Operation of the Central Valley Project and State Water Project Draft EIS	aqua_42.pdf			
AQUA-43	Mish, Kyran D., Comments BDCP DEIS/EIR	aqua_43.pdf			
AQUA-44	Mish, Kyran D., 2014. Comments for AquAlliance on Long-Term Water Transfers Draft EIR/EIS	aqua_44.pdf			
AQUA-45	USGS Surface Water Records	aqua_45.pdf			
AQUA-46	BDCP EIS/R, Environmental Consequences	aqua_46.pdf			
AQUA-47	Draft LTO, EIS, Chapter 5	aqua_47.pdf			
AQUA-48	N. Sac Valley IRWMP, Minutes	aqua_48.pdf			
AQUA-49	Cal GAMA Monitoring, Sac Valley	aqua_49.pdf			
AQUA-50	Letter re Aquifer Performance Testing, Karen Hoover	aqua_50.pdf			
AQUA-51	GAMA, Domestic Well Project, Tehama	aqua_51.pdf			
AQUA-52	BASE OF FRESH GROUNDWATER IN THE SACRAMENTO VALLEY, CALIFORNIA	aqua_52.pdf			
AQUA-53	Email re Summary of Assurances-Water Funds	aqua_532.pdf			
AQUA-54	2009 Drought Water Bank FONSI	aqua_54.pdf			
AQUA-55	EWA EIS/R	aqua_55.pdf			
AQUA-56	Draft LTO, EIS, Chapter 7	aqua_56.pdf			
AQUA-57	68 Federal Register 150	aqua_57.pdf			
AQUA-58	SLDMWA Agenda and Resolution	aqua_58.pdf			
AQUA-59	Prop 13 Groundwater Loans and Grants	aqua_59.pdf			
AQUA-60	ACID IRWMP EA/IS	aqua_60.pdf			
AQUA-61	Cal Water Service, 2010 Urban Water Management Plan	aqua_61.pdf			
AQUA-62	Comparison Groundwater Pumping and Accretion, Sac Valley	aqua_62.pdf			
AQUA-63	Report: Renewed Rapid Subsidence in the San Joaquin Valley	aqua_63.pdf			
AQUA-64	Groundwater Substitution Transfer Impact Analysis, CH2M Hill	aqua_64.pdf			
AQUA-65	Peer Review of Sacramento Valley Finite Element Grounwater Model	aqua_65.pdf			
AQUA-66	Long-Term Water Transfer EIS/R Section 3.3	aqua_66.pdf			
AQUA-67	2008 DWR/USBR Sacramento Valley	aqua_67.pdf			
AQUA-68	DRW Letter re GPS	aqua_68.pdf			
AQUA-69	Vlomis Powerpoint	aqua_69.pdf			
AQUA-70	Chico's Heritage Tree Program	aqua_70.pdf			
AQUA-71	Intermittent Streams as Rearing Hbitat for Chinook	aqua_71.pdf			
AQUA-72	Sacramento Valley Water Resource Monitoring, Data Collection and Evaluation Framework	aqua_72.pdf			







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**NOTICE OF AVAILABILITY  
And  
STATEMENT OF SERVICE**

**CALIFORNIA WATERFIX PETITION HEARING  
Department of Water Resources and U.S. Bureau of Reclamation  
(Petitioners)**

I hereby certify that on 8 December 2016, I submitted to the State Water Resources Control Board and caused a true and correct copy of the following document(s):

1. **REVISED EXHIBIT INDICES FOR THE CALIFORNIA SPORTFISHING PROTECTION ALLIANCE (CSPA), CALIFORNIA WATER IMPACT NETWORK (CWIN) AND AQUALLIANCE**
2. **REVISED TESTIMONY OF BILL JENNINGS (CSPA-2-REV2)**
3. **REVISED TESTIMONY OF JIM BROBECK (AQUA-3-REV2)**
4. **REVISED TESTIMONY OF BARBARA VLAMIS (AQUA-REV2)**
5. **APPENDIX B SANTA BARBARA REPORT (SWP & CVP OPERATIONS, THE INDICES THAT GOVERN THEM AND THEIR VALIDITY) (CWIN-3-REV2)**
6. **ECONORTHWEST REPORT, CHANGE IN POINT OF DIVERSION, NO INJURY RULE (CWIN-6-REV)**

to be uploaded to the Board's FTP site at [https://ftp.waterboards.ca.gov/?u=water\\_fix\\_download&p=waterfix123](https://ftp.waterboards.ca.gov/?u=water_fix_download&p=waterfix123). This Notice of Availability and Statement of Service was served by **Electronic Mail** (email) upon parties listed in Table 1 of the Current service List for the California WaterFix Petition hearing, dated 15 November 2016, posted by the State Water Resources Control Board at [http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/bay\\_delta/california\\_waterfix/service\\_list.shtml](http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/california_waterfix/service_list.shtml):

I certify that the foregoing is true and correct and that this document was executed on 8 December 2016.

Signature:



Name: Bill Jennings  
Title: Executive Director, California Sportfishing Protection Alliance  
Party/Affiliation: CSPA et al  
Address: 3635 Rainer Avenue  
Stockton, CA 95204