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14 On behalf of Central Delta Water Agency,
15 South Delta Water Agency, Lafayette Ranch,
16 Heritage Lands, Mark Bachetti Farms
17 and Rudy Mussi Investments L.P.

18 STATE OF CALIFORNIA

19 STATE WATER RESOURCES CONTROL BOARD

20 Hearing in the Matter of California
21 Department of Water Resources and
22 United States Department of the Interior,
23 Bureau of Reclamation Request for a
24 Change in Point of Diversion for
25 California Water Fix

**PART 1B EVIDENCE SUBMITTED BY
PROTESTANTS CENTRAL DELTA
WATER AGENCY, SOUTH DELTA
WATER AGENCY, LAFAYETTE RANCH,
HERITAGE LANDS, MARK BACHETTI
FARMS AND RUDY MUSSI
INVESTMENTS L.P.**

26 Protestants have been directed to submit a written exhibit list of testimony and exhibits
27 offered into evidence one week after the conclusion of its cases in chief. Protestants Central
28 Delta Water Agency, South Delta Water Agency, Lafayette Ranch, Heritage Lands, Mark
Bachetti Farms and Rudy Mussi Investments L.P., the (“SDWA Parties”) 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.

1 Respectfully submitted,
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3 Date: December 15, 2016
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HARRIS, PERISHO & RUIZ

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7 By: _____
8 S. DEAN RUIZ, Esq.
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Exhibit Identification Index
Submitted into Evidence December 15, 2016

California WaterFix hearing
California Department of Water Resources and U.S. Bureau of Reclamation
Part 1B

SOUTH DELTA WATER AGENCY, *et. al.*
Case-in-Chief

Exhibit Identification Number	Exhibit Description	Status of Evidence		
		(for Hearing Team use Only)		
		Introduced	Accepted	By Official Notice
SDWA 1	Southern Delta Map			
SDWA 2	Chronological Reconstruction of the Sacramento and San Joaquin Valley water Year Hydrologic Classification Indices. WSIHIST. California Data Exchange Center			
SDWA 3	Excerpt of the Draft January Biological Assessment for the California WaterFix			
SDWA 4	Excerpt from Progress on Incorporating Climate Change into Management of California's water Resources. Department of water Resources, July 2006.			
SDWA 5	California Water Code section 12202 and 12203			
SDWA 6	Title 34 of Public Law 102-575. Section 3401. Central Valley Project Improvement Act. 1992			
SDWA 7	Final Restoration Plan for the Anadromous Fish Restoration Program. 2001			
SDWA 8	Public Law 108-361. Calfed Bay-Delta Authorization Act. 2004			
SDWA 9	Reclamation. Managing Water in the West. Program to Meet Standards. Response to Calfed Bay-Delta Authorization Act.			
SDWA 10	Highlighted excerpts from exhibits SWRCB-21			
SDWA 11	Response Plan for Water Level Concerns in the South Delta Under Water Rights Decision 1641			
SDWA 12	E-Mails re Water Levels			
SDWA 13	USBR and DWR Water Quality Response Plan for use of Joint Points of Diversion under Water Right Decision 1641			
SDWA 14	July 1, 2005 Letter from SWRCB - Division of Water Rights to Ronald Milligan and Carl Torgersen.			
SDWA 15	Excerpts of Water Right Order 2006-0006			
SDWA 16	Excerpts of Water Right Order 2010-0002			
SDWA 17	Report of Potential Exceedance 7-14-16			

SDWA 18	Delta Water Quality Conditions			
SDWA 19	Delta Water Quality Conditions South Delta Stations			
SDWA 20	E-mail re transfers			
SDWA 21	Highlighted excerpts from exhibits SWRCB-21			
SDWA 22	Water Right Order 2009-0013-EXEC			
SDWA 23	Delta Compliance Report. Delta Hydrology Conditions			
SDWA 24	Excerpts of SWRCB-27			
SDWA 25	Public Law 99-546. An Act to implement the Coordinated Operations Agreement. 1986.			
SDWA 26	Delta Flows with and without Cross Channel Flow			
SDWA 27	Water Quality and Water Level Forecast July 12 - August 1, 2016			
SDWA 28	CDEC Old River and San Joaquin River for June 22, 2006 to August 24, 2016			
SDWA 29	DSM2 Model Output 1974-1981 Chan HRM and MR Howard			
SDWA 30	DSM2 Model Output 1974-1981 Chan OR1 and ORTB			
SDWA 31	Central Valley Regional Water Quality Control Board Salinity in the Central Valley May 2006			
SDWA 32	Revision of Representative Delta Island Return Flow Quality for DSM2 and DICU Model Runs by Marvin Jung and Associates, Inc. December 2000			
SDWA 33	Highlighted pages from Draft January 2015 Biological Assessment			
SDWA 34	Excerpts from the Bay Delta Conservation Plan / California WaterFix - RDEIR/ SEIS			
SDWA 35	July, 2016 - South Delta Water Quality Information			
SDWA 36 - 40	(Reserved)			
SDWA 41	Linda Turkatte Statement of Qualifications			
SDWA 42	Linda Turkatte Written Summary of Testimony			
SDWA 43	California CyanoHAB Network webpage: http://www.mywaterquality.ca.gov/monitoring/council/cyanohab-network/index.html			
SDWA 44	State Water Board's Surface Water Ambient Monitoring Program (SWAMP) Freshwater CyanoHABs Program (Blue-Green Algae) : http://www.waterboards.ca.gov/water_issues/programs/swamp/freshwatercyanobacteria.shtml			
SDWA 45	California Department of Public Health Blue-Green Algae (Cyanobacteria) Blooms webpage: https://www.cdph.ca.gov/HealthInfo/EnvironmentalHealth/Pages/Bluegreenalgae.aspx			
SDWA 46	June 6, 2016 E-Mail from Christine Joab re: California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network and its goals			
SDWA 47	June 6, 2016 E-Mail from EHD to Joab requesting identification of specific areas where blue-green algae was observed and water sampling analysis			
SDWA 48	June 6, 2016 E-Mail from CVWB to EHD with blue-green algae monitoring information conducted by DWR			
SDWA 49	June 7, 2016 E-Mail from CVWB to Medina providing information re: cyanobacteria from blue-green algae caution signs			

SDWA 50	June 7, 2016 E-Mail from CVWB providing follow-up information with EHD's sign request.			
SDWA 51	EHD'S joint news release with the San Joaquin County Public Health Department regarding cyanobacteria from blue-green algae forwarded to CVWB on June 8, 2016 requesting questions and comments.			
SDWA 52	June 8, 2016 E-Mail from CVWB to EHDre: materials on dog deaths related to Cyanotoxin poisoning			
SDWA 53	June 17, 2016 E-Mail from CVWB to EHD with additional information and updates on cyanobacteria from blue-green algae			
SDWA 54	June 22, 2016 E-Mail from CVWB to EHD re: informing EHD of the new website launched by the Center for Disease Control regarding reporting of harmful algal blooms.			
SDWA 55	July 6, 2016 E-Mail from CVWB to EHD's stating "Department of Water Resources does not conduct any cyanobacteria monitoring in Smith Canal. Most of the research on cyanobacteria that DWR is conducting is in the Central Delta."			
SDWA 56	July 8, 2016 E-Mail from CVWB to EHD with latest update on Mycrosystis conditions in the Stockton Deep Water Channel.			
SDWA 57	July 28, 2016 E-Mail from CVWB to EHD with the latest update on Mycrosystis conditions in the Stockton Deep Water Channel and notifying EHD that CVWB had been contacted by Connie Cochran, the City of Stockton's Public Information Officer, inquiring about cyanobacteria in the Deep Water Channel (McLeod Lake and Weber Point).			
SDWA 58	July 28, 2016 E-Mail from EHD to CVWB's re: CVWB status updates on the cyanobacteria and Mycrosystis conditions in San Joaquin County are critical to keeping EHD informed on the issue.			
SDWA 59	August 3, 2016 E-Mail from CVWB to EHD with the lasts visual bloom observations from the Department of Water Resources			
SDWA 60	August 4, 2016 E-Mail from CVWB carbon copying EHD in an email regarding a Stockton resident's complaint			
SDWA 61	August 11 , 2016 Email from California Water Quality Monitoring Council to EHD with upcoming webinars and new videos, including a program on "Bacteria Monitoring for Safe & Healthy Waters."			
SDWA 62	August 16, 2016 the California Water Quality Monitoring Council released a new web portal devoted to the question: "Are harmful algal blooms affecting our waters?"			
SDWA 63	August 17, 2016 emails between CVWB and EHD re: other regional monitoring and observation of cyanobacteria.			
SDWA 64	August 22, 2016 E-Mail from CVWB to EHD re: current cyanobacteria bloom density condition in the San Joaquin River			

SDWA 65	August 24, 2016 E-Mail from California Department of Public Health and California Health Alert Network (CAHAN) to EHD re: a CAHAN Health Notification regarding "Caution Related to Seasonal Blue-Green Algae Blooms" that "urges recreational water users to avoid close contact with water bodies containing blue-green algae."			
SDWA 66	August 29, 2016 E-Mail from CVWB to EHD re: an alert stating that East Bay Regional Park has microcystin toxin levels above 50 ppb			
SDWA 67 - 71	(Reserved)			
SDWA 72	Erik Ringelberg Statement of Qualifications			
SDWA 73	Testimony of Erik Ringelberg			
SDWA 74	Ringelberg PowerPoint			
SDWA 75	Thomas Burke Statement of Qualifications			
SDWA 76	Written Summary of Testimony			
SDWA 76 Errata	Written Summary of Testimony			
SDWA 77	Burke PowerPoint			
SDWA 77 Errata	Burke PowerPoint			
SDWA 78	Burke Technical Report			
SDWA 78 Errata	Burke Technical Report			
SDWA 79	EC Timeseries Plots			
SDWA 80	Daily EC Plots All			
SDWA 81	Daily Exceedance Bar Charts			
SDWA 82	DSM2 Model Output Table 1			
SDWA 83	DSM2 Model Output Table 2			
SDWA 84 - 90	(Reserved)			
SDWA 91	Terry Prichard Statement of Qualifications			
SDWA 92	Terry Prichard Written Summary of Testimony			
SDWA 93 - 105	(Reserved)			
SDWA 106	Rudy Mussi Written Summary of Testimony			
SDWA 107	Rudy Mussi Map of Ranch			
SDWA 108 - 110	(Reserved)			
SDWA 111	William "Chip Salmon" Written Summary of Testimony			
SDWA 112	Map of Salmon Ranch			
SDWA 113	Salmon DWR License for Diversion and Order for Point of Diversion			
SDWA 114	Laboratory Analysis Report Evaluation			
SDWA 115	South Delta Water Quality: 2001 Temporary Barriers Project			
SDWA 116	Electrical Conductivity in Millis for Doughty Cut Above Grant Lint Canal			
SDWA 117	Photos of Damaged Vineyard and Walnuts due to high salinity			
SDWA 118 - 120	(Reserved)			
SDWA 121	Mark Bach Written Summary of Testimony			
SDWA 122	DWR License for Diversion and Order for Point of Diversion			

SDWA 123	Map of Bacchetti Ranch			
SDWA 124 - 132	(Reserved)			
SDWA 133	Dr. Jeffrey Michael Statement of Qualifications			
SDWA 134R	Dr. Jeffrey Michael Written Summary of Testimony			
SDWA 135R	Dr. Jeffrey Michael Powerpoint			
SDWA 136	Draft BDCP Statewide Economic Impact Report 8-5-13			
SDWA 137	Economic Sustainability Plan for the Sacramento-San Joaquin River Delta 2012			
SDWA 138	Independent Panel Review of the Economic Sustainability Plan for the Sacramento-San Joaquin Delta 2011			
SDWA 139	2015 Leaching Fractions Achieved in South Delta Soils under Alfalfa Culture			
SDWA 140	Leaching Fractions Achieved in South Delta Soils under Alfalfa Culture Project Report Update			
SDWA 141	Chapter 7 of the Delta Protection Commission's Economic Sustainability Plan			
SDWA 142	Michael letter to Cowin re DRMS Dec 2011			
SDWA 143	Risks and Options to Reduce Risks to Fishery and Water Supply Uses of the Sacramento-San Joaquin Delta Jan 2008			
SDWA 144 - 150	(Reserved)			
SDWA 150	Nomellini Statement of Qualifications			
SDWA 151A	Nomellini Written Summary of Testimony			
SDWA 152	Nomellini Powerpoint			
SDWA 153	January 27, 2009 Letter to Dante John Nomellini, Sr. from Karen Scarborough of BDCP Steering Committee			
SDWA 154	The Bay Delta Conservation Plan Points of Agreement for Continuing into the Planning Process (Withdrawn for Part 2)			
SDWA 155	August 26, 2008 Letter to Karen Scarborough from Dean Ruiz (Withdrawn for Part 2)			
SDWA 156	November 13, 2008 Letter to Karen Scarborough from Dante John Nomellini, Sr. (Withdrawn for Part 2)			
SDWA 157	Memorandum of Agreement re Collaboration on Planning, Prelim Design and Environmental Compliance for Delta Habitat Conservation and Conveyance Program in Connection with the Development of the BDCP (Withdrawn for Part 2)			
SDWA 158	First Amendment to Memorandum of Agreement re Collaboration on Planning, Prelim Design and Environmental Compliance for Delta Habitat Conservation and Conveyance Program in Connection with the Development of the BDCP (Withdrawn for Part 2)			
SDWA 159	July 2012 Huffington Post Article re Jerry Brown (Withdrawn for Part 2)			
SDWA 160	Remarks of the Secretary of the Interior Ken Salazar September 2014 (Withdrawn for Part 2)			

SDWA 161	May 6, 2014 Memorandum from DWR re- Establishment of the DWR BDCP Office (Withdrawn for Part 2)			
SDWA 162	Notes from Metropolitan's Special Committee on Bay- Delta (Withdrawn from Part 2)			
SDWA 163	Jerry Moral: Tunnels Won't Save the Delta (Withdrawn from Part 2)			
SDWA 164	April 23, 2015 E-mail from Aconex Delta Habitat to- Sergio Valles (Withdrawn from Part 2)			
SDWA 165	Secretary Laird talks Cal Water Fix to San Diego- County Water Authority's Imported Water Committee- (Withdrawn from Part 2)			
SDWA 166	US Army Corps of Engineers Public Notices- (Withdrawn from Part 2)			
SDWA 167	First Amendment to Memorandum of Agreement re- Collaboration on Planning, Prelim Design and- Environmental Compliance for Delta Habitat- Conservation and Conveyance Program in Connection with the Development of the BDCP (Withdrawn from Part 2)			
SDWA 168	California Water Resources Development Bond Act			
SDWA 169	Bulletin No 76			
SDWA 170	Weber Foundation Studies - Estimated Seasonal Natural Runoff			
SDWA 171	Actions to Conserve Cold Water Pool in Shasta Reservoir for Fishery Resources			
SDWA 172	Tracy Pumping Plant Data			
SDWA 173	Hydroclimate Background on Drought in California			
SDWA 174	Estimated Average and Dry-Period Deliveries of SWP Table A Water and Percent of Maximum SWP Table A Amount			
SDWA 175	Public Law 86-488 June 3, 1960			
SDWA 176	Title I Coordinated Operations Project Operation Policy			
SDWA 177	Public Law 108-361 Oct 25, 2004			
SDWA 178	CDFW Fish Statistics (Withdrawn for Part 2)			
SDWA 179	Opperman Final Report for Fellowship R SF-4- (Withdrawn for Part 2)			
SDWA 180	Floodplain rearing of juvenile chinook salmon: evidence of enhanced growth and survival (Withdrawn for Part 2)			
SDWA 181	Habitat Use and Stranding Risk of Juvenile Chinook Salmon on a Seasonal Floodplain (Withdrawn for Part 2)			
SDWA 182	Insights into the Problems, Progress, and Potential Solutions for Sacramento River Basin Native Anadromous Fish Restoration (Withdrawn for Part 2)			
SDWA 183	1976-77 Estimated Crop Et Values Delta Services Area			
SDWA 184	North and South Delta Exports for Alternative 4A Long- Term Average			
SDWA 185	Historical Salinity (Modeled and Observed) at Jersey Point			
SDWA 186	Historical Salinity Incursion Sacramento-San Joaquin Delta February 1962			
SDWA 187	Section 12202, 12203, 12204			

SDWA 188	Active Faults and Historical Seismicity of the Bay and Delta Region			
SDWA 189	Photo of Dam			
SDWA 190	Faults graph			
SDWA 191	6.5 Magnitude Earthquake			
SDWA 192	Extracts of Usace May 23, 2007 Comments			
SDWA 193	Sea Level Rise			
SDWA 194	Sea Level Trends			
SDWA 195	Map			
SDWA 196	Why Climate Change in CVFPP			
SDWA 197	Comparison of Total Replacement Costs of Delta Infrastructure			
SDWA 198	Period Average Change in EC Levels for Alternative 4A-H3 ELT Relative To Existing Conditions and the No Action Alternative ELT.			
SDWA 199	Unit Consumptive Use of Water in Sacramento- San Joaquin Delta			
SDWA 200	Title 34 of Public Law 102-575. Section 3401. Central Valley Project Improvement Act. 1992			
SDWA 201	public_law_108-361			
SDWA 202	USBR Program to Meet Standards			
SDWA 203	Final Revised Water Quality Response Plan D 1641			
SDWA 204	WRO 2006_0006			
SDWA 205	Order 2010_0002 amending 2006-0006			
SDWA 206	CVRWQCB Salinity in Central Valley May 2006			
SDWA 207 - 220	(Reserved)			
SDWA 221	Kurobe et al.-Identification of harmful cyanobacteria etc.			
SDWA 222	Durand-Sacramento-San Joaquin Delta Regional Ecosystem Restoration Implementation Plan			
SDWA 223	Microcystis forecast provided by Peter Tango			
SDWA 224	Gilbert, et al.-Journal of Experimental Marine Biology and Ecology			
SDWA 225	April 18, 2016 Memorandum, ICF International			
SDWA 226	Alameda County-Errata, <i>In the Matter of SRCSD's Petition for Review</i>			
SDWA 227	Tomitani, et al.-The evolutionary diversification of cyanobacteria			
SDWA 228	Berg and Sutula: Factors affecting Growth of Cyanobacteria			
SDWA 229	Excerpt from Kimball's Biology Pages			
SDWA 230	Brunell, Litton and Borglin: An Analysis of Grazing and Phytoplankton Communities			
SDWA 231	Muller-Solger, Jassby and Muller-Navarra: Nutritional Quality of Food Resources			
SDWA 232	Visser-Artificial mixing to control cyanobacterial blooms: a review			
SDWA 233	Brutemark-Growth, toxicity and oxidative stress of a cultured cyanobacterium			
SDWA 234	Lehman, 2005- <i>Microcystis</i> biomass and toxicity			
SDWA 235	Office of Environmental Health Hazard Assessment. 2009			
SDWA 236	EPA-Drinking Water Health Advisory			
SDWA 237	WHO: IARC Monographs on Evaluation of Carcinogenic Risks to Humans (Cogliano)			

SDWA 238	USGS 2016. Innovation in Monitoring: The U.S. Geological Survey Sacramento-San Joaquin River Delta, California, Flow-Station Network			
SDWA 239	Cloern-Figure 3. Projected 2010-2099 changes in nine environmental indicators, etc.			
SDWA 240	Reichwaldt, Song and Ghadouani: Effects of the Distribution of a Toxic Microcystis Bloom on the Small Scale Patchiness of Zooplankton			
SDWA 241	Pal, Singh and Azam: Evaluation of Relationship between Light Intensity (Lux) and Growth of <i>Chaetoceros muelleri</i>			
SDWA 242	Kassim, et al.-Sustainable Technique for Selected Live Feed Culture			
SDWA 243 - 250	(Reserved)			

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 December 15, 2016, on behalf of the **South Delta Water Agency Parties**, I submitted to the State Water Resources Control Board and caused a true and correct copy of the following document(s):

- **Evidence Submittal by SDWA Parties, et al.**
- **SDWA Parties' Exhibit Identification Index**

to be uploaded to the Board's FTB 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 the parties listed in Table 1 of the Current Service List for the California WaterFix Petition hearing, dated November 15, 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 December 15, 2016.

Signature: 

Name: Bee Speer

Title: Legal Assistant

Party/Affiliation: HARRIS, PERISHO & RUIZ

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