

**Exhibit: DWR-1152**

NAA (SDWA 291 Table 3)													
Month	SJRVernalis		SJRVernalis		Middle River		Old River		Exports		CCWD Diversion		Total
	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)
January	23,319	5,060	8,728	1,904	-11351	-1,300	-22,386	-2,446	60,683	6,921	374	40	-12,728
February	25,440	6,753	9,952	2,680	-7251	-991	-11,368	-1,923	43,066	6,978	6	2	-8,965
March	25,330	6,773	9,880	2,765	-6224	-927	-8,559	-1,784	35,690	6,603	6	1	-5,462
April	15,196	6,146	6,759	2,644	-325	229	262	570	8,901	2,180	193	75	-593
May	14,979	5,971	6,139	2,475	-792	88	-487	336	8,240	2,273	384	118	1,495
June	14,537	3,945	5,875	1,631	-4662	-1,224	-6,464	-2,078	14,794	4,459	40	7	4,954
July	12,803	2,590	3,745	854	-9531	-3,066	-20,463	-5,438	34,508	9,024	417	122	4,126
August	8,768	1,828	2,803	594	-10013	-2,971	-26,105	-5,275	41,881	8,466	767	207	-564
September	10,205	2,199	4,971	1,062	-13466	-2,885	-39,156	-5,180	65,487	8,572	972	203	-8,604
October	12,152	2,601	7,835	1,651	-10584	-1,991	-26,911	-3,513	47,683	6,093	562	82	-6,432
November	12,094	2,423	7,568	1,481	-12455	-2,252	-32,660	-4,056	56,963	7,027	532	72	-7,854
December	19,819	3,294	5,485	1,047	-13684	-2,292	-31,563	-4,162	67,153	8,513	493	55	-8,065
<b>Total</b>	<b>194,642</b>		<b>79,740</b>		<b>-100,338</b>		<b>-225,860</b>		<b>485,049</b>		<b>4,746</b>		<b>-48,692</b>
Average	16,220		6,645		-8,362		-18,822		40,421		396		-4,058

PA (SDWA 291 Table 4)													
Month	SJRVernalis		SJRVernalis		Middle River		Old River		Exports		CCWD Diversion		Total
	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)	Mean Flow (cfs)	Chloride (mt)
January	23,319	5,060	14,776	2,727	-6,878	-514	-13,371	-964	36,697	3,811	337	35	-8,242
February	25,440	6,753	15,415	3,542	-4,201	-94	-6,134	-247	26,675	3,548	6	2	-6,322
March	25,331	6,772	15,286	3,651	-2,543	224	-2,359	373	17,406	2,393	8	1	-2,468
April	15,199	6,146	10,014	3,579	-1,057	347	-361	815	6,446	924	199	73	-41
May	14,981	5,971	9,361	3,338	-1,089	275	-739	698	4,819	898	302	96	2,327
June	14,538	3,945	7,382	1,954	-3,156	-600	-4,097	-896	9,747	2,307	20	3	4,642
July	12,803	2,590	4,505	972	-5,330	-1,410	-8,338	-2,315	17,273	4,086	451	122	4,240
August	8,771	1,828	3,279	685	-5,790	-1,641	-11,724	-2,750	21,140	4,531	724	207	1,141
September	10,206	2,199	4,516	969	-4,955	-1,103	-11,288	-1,799	22,849	3,485	883	203	-1,798
October	12,152	2,601	9,300	1,973	-3,980	-643	-8,276	-970	16,026	1,899	570	83	-1,488
November	12,094	2,423	6,881	1,367	-5,441	-907	-11,731	-1,537	25,182	3,284	447	72	-3,243
December	19,819	3,294	5,670	1,071	-11,047	-1,942	-23,246	-3,511	55,143	7,510	417	55	-7,117
<b>Total</b>	<b>194,653</b>		<b>106,385</b>		<b>-55,467</b>		<b>-101,664</b>		<b>259,403</b>		<b>4,364</b>		<b>-18,369</b>
Average	16,221		8,865		-4,622		-8,472		21,617		364		-1,531

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	SJR Vernalis	SJR At Burns Cut	Middle River	Old River	Exports	CCWD Diversion	Total
NAA Total	194,642	79,740	-100,338	-225,860	485,049	4,746	<b>-48,692</b>
PA Total	194,653	106,385	-55,467	-101,664	259,403	4,364	<b>-18,369</b>
PA - NAA	<b>11</b>	<b>26,645</b>	<b>44,871</b>	<b>124,196</b>	<b>-225,646</b>	<b>-382</b>	<b>30,323</b>
% Diff.	<b>0%</b>	<b>33%</b>	<b>-45%</b>	<b>-55%</b>	<b>-47%</b>	<b>-8%</b>	<b>-62%</b>

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23 
$$Net\ Cl = SJR_{south} - SJR_{north} - Old\ River - Middle\ River - CCWD - Exports$$

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25 The change in direction of flow is accompanied by a change of the sign of the flow from positive

26 to negative in the DSM2 model. That way the loss or gain of salt is accounted for correctly.

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*Thomas K Burke's Written Summary of Testimony, Part 2 Case In Chief*

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1 Table 1 South Delta Water Budget Components

No.	Inflow / Outflow Point	Default Direction
2	1 The San Joaquin River at Vernalis	(inflow)
3	2 The San Joaquin River at Burns Cut	(outflow)
4	3 The Middle River at Victoria Canal	(outflow)
5	4 Old River Above Indian Slough	(outflow)
6	5 The CCWD Intake on Victoria Canal	(outflow)
7	6 The CVP and SWP South Delta Exports	(outflow)
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9		