

1 William J. Brunick, Esq. [SB No. 46289]
Leland P. McElhane, Esq. [SB No. 39257]
2 **BRUNICK, McELHANEY & KENNEDY PLC**
1839 Commercenter West
3 San Bernardino, California 92408-3303

*Exempt from filing fee pursuant to
Gov't. Code Section 6103*

4 MAILING:
P.O. Box 13130
5 San Bernardino, California 92423-3130

6 Telephone: (909) 889-8301
Facsimile: (909) 388-1889
7 E-Mail: bbrunick@bmblawoffice.com

8 Attorneys for Cross-Complainant,
ANTELOPE VALLEY-EAST KERN WATER AGENCY

9
10 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**
11 **FOR THE COUNTY OF LOS ANGELES – CENTRAL DISTRICT**
12

13
14 Coordination Proceeding
Special Title (Rule 1550(b))

Judicial Council Coordination Proceeding
No. 4408

15 **ANTELOPE VALLEY**
16 **GROUNDWATER CASES**

Santa Clara Case No.
1-05-CV-049053
The Honorable Jack Komar, Dept.17

17 **Included Actions:**

**THE ANTELOPE VALLEY-EAST
KERN WATER AGENCY'S TRIAL
BRIEF**

18 Los Angeles County Waterworks District
19 No. 40 vs. Diamond Farming Company, a
20 corporation, Superior Court of California,
County of Los Angeles, Case No.
BC325201;

Trial Date:

21 Los Angeles County Waterworks District
22 No. 40 vs. Diamond Farming Company, a
23 corporation., Superior Court of California,
County of Kern, Case No. S-1500-CV-254-
348;

May 28, 2013
Time: 9:00 a.m.
Dept.: Los Angeles Superior Court (TBA)

24 Wm. Bolthouse Farms, Inc. vs. City of
25 Lancaster, Diamond Farming Company, a
26 corporation, vs. City of Lancaster, Diamond
27 Farming Company, a corporation vs.
Palmdale Water District, Superior Court of
California, County of Riverside, Case Nos.
RIC 353840, RIC 344436, RIC 344668.

1 The Antelope Valley East-Kern Water Agency (AVEK) submits this trial brief for the
2 Phase 4 Trial, currently scheduled to commence on May 28, 2013. AVEK understands that the
3 only issue to be determined in the Phase 4 Trial is the amount of each party's pumping for
4 calendar years 2011 and 2012. As is more fully demonstrated below, AVEK submits that the
5 evidence to be adduced in the Phase 4 Trial will demonstrate that 12,679 AF were pumped and
6 13,217 AF were banked in on AVEK owned properties in 2011, and 3,278 AF were pumped
7 and 23,169 AF were banked in 2012:

- 8 1. AVEK owned properties are identified by APN in Exhibit 1 attached hereto.
- 9 2. Through analysis of aerial photography, Hong-lie Qiu, PhD, has determined the
10 total acreage farmed and the specific crops grown on the AVEK owned properties in 2011 and
11 2012 (see Exhibit 2 hereto titled, "Antelope Valley East Kern Water Agency Aerial Crop
12 Information for Beneficial Uses").
- 13 3. Applying thereto the crop water duties which AVEK believes to be appropriate (i.e., 7.0
14 AF for alfalfa, and 4.5 AF for carrots and onions), the total water usage on AVEK owned
15 properties is 17,705 AF in 2011 and 6,889 AF in 2012 (see Exhibits 2 and 3 attached hereto).¹
- 16 3. In lieu water deliveries were 5,027 AF in 2011, and 3,641 AF in 2012.
- 17 4. Subtracting delivered water from total water usage yields *pumped water in 2011*
18 **of 12,678 AF** (i.e., 17,705 AF [total water usage] - 5,027 [water delivered]), and **3,248 AF in**
19 **2012** (i.e., 6,889 AF [total water usage] - 3,641 [water delivered]). Parenthetically, utilizing
20 the same analysis, the water pumped on AVEK owned properties was 8,304 AF in 2000; 8381
21 AF in 2001; 10,812 AF in 2002; 14,600 AF in 2003; and 9,576 AF in 2004 (see Exhibit 3
22 attached hereto).

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26 ¹ Applying, however, the crop water duties set forth in the Crop Duty Table in the Summary
27 Expert Report, Appendix D-3, Table 4 (i.e., 6.5 AF for alfalfa, 3.9 AF for carrots, and 4.5 AF for
28 onions), the total water usage would be 16491 AF on AVEK owned properties in 2011, and 6,430
AF in 2012 (see Exhibit 4 attached hereto).

1 5. As noted, there was a significant reduction in water usage and pumping from
2 2011 to 2012, because AVEK then determined to significantly reduce agricultural operations
3 and focus, instead, on utilizing the properties owned by it for water banking.

4 6. On the same AVEK owned properties, AVEK also **banked 13,217 AF in 2011**
5 **and 23,169 AF in 2012** (see Exhibit 5 attached hereto).

6 Respectfully submitted,

7 Dated: May 23, 2013

BRUNICK, McELHANEY & KENNEDY


8
9
10 By: 
11 William J. Brunick
12 Leland P. McElhaney
13 Attorneys for Cross-Complainant,
14 ANTELOPE VALLEY-EAST KERN
15 WATER AGENCY
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EXHIBIT 1

LAW OFFICES OF
 BEST BEST & KRIGER LLP
 3750 UNIVERSITY AVENUE, SUITE 400
 P.O. BOX 1028
 RIVERSIDE, CALIFORNIA 92502

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EXHIBIT "B"

**Antelope Valley-East Kern Water Agency (AVEK)
 Property APNs & Acreage**

Godde:

APNs Old:	APNs New:	Acres (Gross)
3258-001-004	3258-001-900	10.00
3258-001-005	3258-001-901	5.00
3258-001-039	3258-001-902	80.23
3258-010-001	3258-010-902	160.00
3258-010-068	3258-010-901	160.00
3258-010-069	3258-010-900	160.00
3261-001-005	3261-001-900	80.00
3261-001-007	3261-001-901	160.00
3261-009-001	3261-009-900	640.00
Total:		1455.23

Calandri:

APNs:	Acres (Gross)	APNs Con't:	Acres (Gross)
359-032-38	118.21	374-200-45	5.01
374-011-13	313.05	374-200-50	9.68
374-011-19	20.10	374-200-51	9.69
374-011-20	20.10	374-200-52	9.69
374-011-21	20.14	374-200-53	9.69
374-011-22	20.15	374-200-54	2.50
374-020-40	9.42	374-200-55	2.50
374-020-42	23.81	374-200-56	2.50
374-020-55	135.91	374-200-57	2.50
374-200-03	80.00	374-210-08	79.09
374-200-29	2.50	374-250-01	67.73
374-200-30	2.50	374-250-03	9.55
374-200-38	9.61	374-410-08	39.46
374-200-39	9.61	374-440-05	20.11
374-200-40	9.62	374-440-06	20.09
374-200-41	9.62	374-440-07	20.08
374-200-42	5.01	374-440-08	20.09
374-200-43	5.01	375-020-01	312.72
374-200-44	5.01		
Total:		1462.06	

EXHIBIT 2

Antelope Valley East Kern Water Agency

Aerial Crop Information

For

Beneficial Uses

Summary of All Years

AIN/APN	2000	2001	2002	2003	2004	2011	2012
3258001900	67.01	0.00	0.00	0.00	67.01	0.00	0.00
3258001901	33.33	0.00	0.00	0.00	33.33	0.00	0.00
3258001902	529.66	529.66	0.00	529.66	0.00	823.92	0.00
3258010900	750.53	750.53	0.00	750.53	1732.92	1732.92	0.00
3258010901	1296.05	1296.05	1583.17	1304.87	1304.87	779.24	0.00
3258010902	1275.45	1275.45	1275.45	1275.45	1559.38	1559.38	0.00
3261001900	831.30	534.41	831.30	831.30	831.30	831.30	0.00
3261001901	1617.98	1617.98	1617.98	1325.86	800.04	1496.37	0.00
3261009900	4366.53	3494.89	3554.07	4076.37	4017.19	3271.32	0.00
359032380	0.00	0.00	0.00	759.27	206.87	321.80	0.00
374011138	1022.73	1103.34	1022.73	1103.34	0.00	1454.40	1454.40
374011195	136.22	0.00	136.22	0.00	0.00	0.00	0.00
374011203	73.22	0.00	73.22	0.00	0.00	0.00	0.00
374011211	125.04	0.00	125.04	0.00	0.00	0.00	0.00
374011229	139.05	0.00	139.05	0.00	0.00	0.00	0.00
374020428	310.25	199.45	0.00	199.45	0.00	0.00	0.00
374020550	893.51	224.26	0.00	893.51	0.00	1389.90	1389.90
374200038	0.00	525.66	0.00	525.66	0.00	0.00	0.00
374200293	0.00	17.47	0.00	17.47	0.00	0.00	0.00
374200301	0.00	17.00	0.00	17.00	0.00	0.00	0.00
374200384	0.00	66.75	0.00	66.75	0.00	0.00	0.00
374200392	0.00	62.87	0.00	62.87	0.00	0.00	0.00
374200400	0.00	68.74	0.00	68.74	0.00	0.00	0.00
374200418	0.00	60.43	0.00	60.43	0.00	0.00	0.00
374200426	0.00	21.71	0.00	21.71	0.00	0.00	0.00
374200434	0.00	30.64	0.00	30.64	0.00	0.00	0.00
374200442	0.00	32.90	0.00	32.90	0.00	0.00	0.00
374200459	0.00	31.65	0.00	31.65	0.00	0.00	0.00
374200509	0.00	76.26	0.00	76.26	0.00	0.00	0.00
374200517	0.00	72.58	0.00	72.58	0.00	0.00	0.00
374200525	0.00	70.94	0.00	70.94	0.00	0.00	0.00
374200533	0.00	66.99	0.00	66.99	0.00	0.00	0.00
374200541	0.00	15.00	0.00	15.00	0.00	0.00	0.00
374200558	0.00	16.02	0.00	16.02	0.00	0.00	0.00
374200566	0.00	16.24	0.00	16.24	0.00	0.00	0.00
374200574	0.00	15.61	0.00	15.61	0.00	0.00	0.00
374210086	562.15	0.00	562.15	0.00	0.00	0.00	0.00
374250017	467.03	0.00	467.03	0.00	0.00	726.49	726.49
374250033	67.46	0.00	67.46	0.00	0.00	104.94	104.94
374410082	0.00	266.49	0.00	266.49	0.00	0.00	0.00
374440055	140.77	0.00	140.77	0.00	140.77	0.00	0.00
374440063	137.38	0.00	137.38	0.00	137.38	0.00	0.00
374440071	139.24	0.00	139.24	0.00	139.24	0.00	0.00
374440089	137.81	0.00	137.81	0.00	137.81	0.00	0.00

Total (acre feet) 16146.64 13616.48 13036.98 15640.07 11886.29 17704.90 6888.65

Summary 2000

AIN	NewAPN	CropType	Rate	Acres	Water Use
3258001900	3258001900	Onion	4.5	14.8921	67.0145
3258001901	3258001901	Onion	4.5	7.4071	33.3318
3258001902	3258001902-A	Onion	4.5	56.9463	256.2584
3258001902	3258001902-B	Onion	4.5	60.7563	273.4034
3258010900	3258010900-A	None	0.0	0.0000	0.0000
3258010900	3258010900-B	Onion	4.5	166.7850	750.5325
3258010901	3258010901-A	Alfalfa	7.0	111.3200	779.2400
3258010901	3258010901-B	Onion	4.5	114.8470	516.8115
3258010902	3258010902-A	Alfalfa	7.0	109.1960	764.3720
3258010902	3258010902-B	Onion	4.5	113.5720	511.0740
3261001900	3261001900	Alfalfa	7.0	118.7570	831.2990
3261001901	3261001901-A	Alfalfa	7.0	116.8480	817.9360
3261001901	3261001901-B	Alfalfa	7.0	61.1990	428.3930
3261001901	3261001901-C	Alfalfa	7.0	53.0924	371.6468
3261009900	3261009900-A	Alfalfa	7.0	116.0670	812.4690
3261009900	3261009900-B	Alfalfa	7.0	75.7653	530.3571
3261009900	3261009900-C	Alfalfa	7.0	36.1997	253.3979
3261009900	3261009900-D	Alfalfa	7.0	239.3000	1675.1000
3261009900	3261009900-E	None	0.0	0.0000	0.0000
3261009900	3261009900-F	Onion	4.5	243.3800	1095.2100
359032380	359032380-A	None	0.0	0.0000	0.0000
359032380	359032380-B	None	0.0	0.0000	0.0000
359032380	359032380-C	None	0.0	0.0000	0.0000
374011138	374011138-A	Carrot	4.5	227.2730	1022.7285
374011138	374011138-B	None	0.0	0.0000	0.0000
374011138	374011138-C	None	0.0	0.0000	0.0000
374011195	374011195	Carrot	4.5	30.2719	136.2236
374011203	374011203	Carrot	4.5	16.2713	73.2209
374011211	374011211	Carrot	4.5	27.7867	125.0402
374011229	374011229	Carrot	4.5	30.9002	139.0509
374020428	374020428	Alfalfa	7.0	44.3219	310.2533
374020550	374020550-A	Onion	4.5	32.0371	144.1670
374020550	374020550-B	Carrot	4.5	166.5200	749.3400
374200038	374200038	None	0.0	0.0000	0.0000
374200293	374200293	None	0.0	0.0000	0.0000
374200301	374200301	None	0.0	0.0000	0.0000
374200384	374200384	None	0.0	0.0000	0.0000
374200392	374200392	None	0.0	0.0000	0.0000
374200400	374200400	None	0.0	0.0000	0.0000
374200418	374200418	None	0.0	0.0000	0.0000
374200426	374200426	None	0.0	0.0000	0.0000
374200434	374200434	None	0.0	0.0000	0.0000
374200442	374200442	None	0.0	0.0000	0.0000
374200459	374200459	None	0.0	0.0000	0.0000
374200509	374200509	None	0.0	0.0000	0.0000
374200517	374200517	None	0.0	0.0000	0.0000
374200525	374200525	None	0.0	0.0000	0.0000
374200533	374200533	None	0.0	0.0000	0.0000
374200541	374200541	None	0.0	0.0000	0.0000
374200558	374200558	None	0.0	0.0000	0.0000
374200566	374200566	None	0.0	0.0000	0.0000
374200574	374200574	None	0.0	0.0000	0.0000
374210086	374210086	Carrot	4.5	124.9230	562.1535
374250017	374250017	Carrot	4.5	103.7840	467.0280
374250033	374250033	Carrot	4.5	14.9909	67.4591
374410082	374410082	None	0.0	0.0000	0.0000
374440055	374440055	Carrot	4.5	31.2816	140.7672
374440063	374440063	Carrot	4.5	30.5297	137.3837
374440071	374440071	Carrot	4.5	30.9428	139.2426
374440089	374440089	Carrot	4.5	30.6237	137.8067
375020013	375020013-A1	Carrot	4.5	58.5548	263.4966
375020013	375020013-A2	Carrot	4.5	55.2775	248.7488
375020013	375020013-A3	Carrot	4.5	114.3730	514.6785
375020013	375020013-B	None	0.0	0.0000	0.0000

16146.6355

Exhibit — 3 of 9

Summary 2001

AIN	NewAPN	CropType	Rate	Acres	Water Use
3258001900	3258001900	None	0.0	0.0000	0.0000
3258001901	3258001901	None	0.0	0.0000	0.0000
3258001902	3258001902-A	Onion	4.5	56.9463	256.2584
3258001902	3258001902-B	Onion	4.5	60.7563	273.4034
3258010900	3258010900-A	None	0.0	0.0000	0.0000
3258010900	3258010900-B	Onion	4.5	166.7850	750.5325
3258010901	3258010901-A	Alfalfa	7.0	111.3200	779.2400
3258010901	3258010901-B	Carrot	4.5	114.8470	516.8115
3258010902	3258010902-A	Alfalfa	7.0	109.1960	764.3720
3258010902	3258010902-B	Onion	4.5	113.5720	511.0740
3261001900	3261001900	Onion	4.5	118.7570	534.4065
3261001901	3261001901-A	Alfalfa	7.0	116.8480	817.9360
3261001901	3261001901-B	Alfalfa	7.0	61.1990	428.3930
3261001901	3261001901-C	Alfalfa	7.0	53.0924	371.6468
3261009900	3261009900-A	None	0.0	0.0000	0.0000
3261009900	3261009900-B	Alfalfa	7.0	75.7653	530.3571
3261009900	3261009900-C	Alfalfa	7.0	36.1997	253.3979
3261009900	3261009900-D	Alfalfa	7.0	239.3000	1675.1000
3261009900	3261009900-E	Carrot	4.5	230.2290	1036.0305
3261009900	3261009900-F	None	0.0	0.0000	0.0000
359032380	359032380-A	None	0.0	0.0000	0.0000
359032380	359032380-B	None	0.0	0.0000	0.0000
359032380	359032380-C	None	0.0	0.0000	0.0000
374011138	374011138-A	None	0.0	0.0000	0.0000
374011138	374011138-B	Carrot	4.5	127.6040	574.2180
374011138	374011138-C	Onion	4.5	117.5820	529.1190
374011195	374011195	None	0.0	0.0000	0.0000
374011203	374011203	None	0.0	0.0000	0.0000
374011211	374011211	None	0.0	0.0000	0.0000
374011229	374011229	None	0.0	0.0000	0.0000
374020428	374020428	Onion	4.5	44.3219	199.4486
374020550	374020550-A	Alfalfa	7.0	32.0371	224.2597
374020550	374020550-B	None	0.0	0.0000	0.0000
374200038	374200038	Carrot	4.5	116.8140	525.6630
374200293	374200293	Carrot	4.5	3.8818	17.4680
374200301	374200301	Carrot	4.5	3.7783	17.0024
374200384	374200384	Carrot	4.5	14.8336	66.7512
374200392	374200392	Carrot	4.5	13.9711	62.8700
374200400	374200400	Carrot	4.5	15.2749	68.7371
374200418	374200418	Carrot	4.5	13.4291	60.4310
374200426	374200426	Carrot	4.5	4.8238	21.7072
374200434	374200434	Carrot	4.5	6.8088	30.6396
374200442	374200442	Carrot	4.5	7.3119	32.9036
374200459	374200459	Carrot	4.5	7.0326	31.6469
374200509	374200509	Onion	4.5	16.9467	76.2602
374200517	374200517	Onion	4.5	16.1292	72.5814
374200525	374200525	Onion	4.5	15.7645	70.9403
374200533	374200533	Onion	4.5	14.8865	66.9893
374200541	374200541	Carrot	4.5	3.3325	14.9963
374200558	374200558	Carrot	4.5	3.5606	16.0228
374200566	374200566	Carrot	4.5	3.6087	16.2392
374200574	374200574	Carrot	4.5	3.4678	15.6052
374210086	374210086	None	0.0	0.0000	0.0000
374250017	374250017	None	0.0	0.0000	0.0000
374250033	374250033	None	0.0	0.0000	0.0000
374410082	374410082	Onion	4.5	59.2211	266.4950
374440055	374440055	None	0.0	0.0000	0.0000
374440063	374440063	None	0.0	0.0000	0.0000
374440071	374440071	None	0.0	0.0000	0.0000
374440089	374440089	None	0.0	0.0000	0.0000
375020013	375020013-A1	None	0.0	0.0000	0.0000
375020013	375020013-A2	None	0.0	0.0000	0.0000
375020013	375020013-A3	None	0.0	0.0000	0.0000
375020013	375020013-B	Carrot	4.5	230.7840	1038.5280

13616.4821

Summary 2002

AIN	NewAPN	CropType	Rate	Acres	Water Use
3258001900	3258001900	None	0.0	0.0000	0.0000
3258001901	3258001901	None	0.0	0.0000	0.0000
3258001902	3258001902-A	None	0.0	0.0000	0.0000
3258001902	3258001902-B	None	0.0	0.0000	0.0000
3258010900	3258010900-A	None	0.0	0.0000	0.0000
3258010900	3258010900-B	None	0.0	0.0000	0.0000
3258010901	3258010901-A	Alfalfa	7.0	111.3200	779.2400
3258010901	3258010901-B	Alfalfa	7.0	114.8470	803.9290
3258010902	3258010902-A	Alfalfa	7.0	109.1960	764.3720
3258010902	3258010902-B	Carrot	4.5	113.5720	511.0740
3261001900	3261001900	Alfalfa	7.0	118.7570	831.2990
3261001901	3261001901-A	Alfalfa	7.0	116.8480	817.9360
3261001901	3261001901-B	Alfalfa	7.0	61.1990	428.3930
3261001901	3261001901-C	Alfalfa	7.0	53.0924	371.6468
3261009900	3261009900-A	None	0.0	0.0000	0.0000
3261009900	3261009900-B	Alfalfa	7.0	75.7653	530.3571
3261009900	3261009900-C	Alfalfa	7.0	36.1997	253.3979
3261009900	3261009900-D	Alfalfa	7.0	239.3000	1675.1000
3261009900	3261009900-E	None	0.0	0.0000	0.0000
3261009900	3261009900-F	Carrot	4.5	243.3800	1095.2100
359032380	359032380-A	None	0.0	0.0000	0.0000
359032380	359032380-B	None	0.0	0.0000	0.0000
359032380	359032380-C	None	0.0	0.0000	0.0000
374011138	374011138-A	Carrot	4.5	227.2730	1022.7285
374011138	374011138-B	None	0.0	0.0000	0.0000
374011138	374011138-C	None	0.0	0.0000	0.0000
374011195	374011195	Carrot	4.5	30.2719	136.2236
374011203	374011203	Carrot	4.5	16.2713	73.2209
374011211	374011211	Carrot	4.5	27.7867	125.0402
374011229	374011229	Carrot	4.5	30.9002	139.0509
374020428	374020428	None	0.0	0.0000	0.0000
374020550	374020550-A	None	0.0	0.0000	0.0000
374020550	374020550-B	None	0.0	0.0000	0.0000
374200038	374200038	None	0.0	0.0000	0.0000
374200293	374200293	None	0.0	0.0000	0.0000
374200301	374200301	None	0.0	0.0000	0.0000
374200384	374200384	None	0.0	0.0000	0.0000
374200392	374200392	None	0.0	0.0000	0.0000
374200400	374200400	None	0.0	0.0000	0.0000
374200418	374200418	None	0.0	0.0000	0.0000
374200426	374200426	None	0.0	0.0000	0.0000
374200434	374200434	None	0.0	0.0000	0.0000
374200442	374200442	None	0.0	0.0000	0.0000
374200459	374200459	None	0.0	0.0000	0.0000
374200509	374200509	None	0.0	0.0000	0.0000
374200517	374200517	None	0.0	0.0000	0.0000
374200525	374200525	None	0.0	0.0000	0.0000
374200533	374200533	None	0.0	0.0000	0.0000
374200541	374200541	None	0.0	0.0000	0.0000
374200558	374200558	None	0.0	0.0000	0.0000
374200566	374200566	None	0.0	0.0000	0.0000
374200574	374200574	None	0.0	0.0000	0.0000
374210086	374210086	Carrot	4.5	124.9230	562.1535
374250017	374250017	Carrot	4.5	103.7840	467.0280
374250033	374250033	Carrot	4.5	14.9909	67.4591
374410082	374410082	None	0.0	0.0000	0.0000
374440055	374440055	Carrot	4.5	31.2816	140.7672
374440063	374440063	Carrot	4.5	30.5297	137.3837
374440071	374440071	Carrot	4.5	30.9428	139.2426
374440089	374440089	Carrot	4.5	30.6237	137.8067
375020013	375020013-A1	Carrot	4.5	58.5548	263.4966
375020013	375020013-A2	Carrot	4.5	55.2775	248.7488
375020013	375020013-A3	Carrot	4.5	114.3730	514.6785
375020013	375020013-B	None	0.0	0.0000	0.0000

13036.9833

Summary 2003					
AIN	NewAPN	CropType	Rate	Acres	Water Use
3258001900	3258001900	None	0.0	0.0000	0.0000
3258001901	3258001901	None	0.0	0.0000	0.0000
3258001902	3258001902-A	Onion	4.5	56.9463	256.2584
3258001902	3258001902-B	Onion	4.5	60.7563	273.4034
3258010900	3258010900-A	None	0.0	0.0000	0.0000
3258010900	3258010900-B	Carrot	4.5	166.7850	750.5325
3258010901	3258010901-A	Onion	4.5	111.3200	500.9400
3258010901	3258010901-B	Alfalfa	7.0	114.8470	803.9290
3258010902	3258010902-A	Alfalfa	7.0	109.1960	764.3720
3258010902	3258010902-B	Onion	4.5	113.5720	511.0740
3261001900	3261001900	Alfalfa	7.0	118.7570	831.2990
3261001901	3261001901-A	Onion	4.5	116.8480	525.8160
3261001901	3261001901-B	Alfalfa	7.0	61.1990	428.3930
3261001901	3261001901-C	Alfalfa	7.0	53.0924	371.6468
3261009900	3261009900-A	Carrot	4.5	116.0670	522.3015
3261009900	3261009900-B	Alfalfa	7.0	75.7653	530.3571
3261009900	3261009900-C	Alfalfa	7.0	36.1997	253.3979
3261009900	3261009900-D	Alfalfa	7.0	239.3000	1675.1000
3261009900	3261009900-E	None	0.0	0.0000	0.0000
3261009900	3261009900-F	Onion	4.5	243.3800	1095.2100
359032380	359032380-A	Carrot	4.5	68.9739	310.3826
359032380	359032380-B	Carrot	4.5	54.3594	244.6173
359032380	359032380-C	Onion	4.5	45.3934	204.2703
374011138	374011138-A	None	0.0	0.0000	0.0000
374011138	374011138-B	Carrot	4.5	128.0220	576.0990
374011138	374011138-C	Carrot	4.5	117.1640	527.2380
374011195	374011195	None	0.0	0.0000	0.0000
374011203	374011203	None	0.0	0.0000	0.0000
374011211	374011211	None	0.0	0.0000	0.0000
374011229	374011229	None	0.0	0.0000	0.0000
374020428	374020428	Carrot	4.5	44.3219	199.4486
374020550	374020550-A	Carrot	4.5	32.0371	144.1670
374020550	374020550-B	Carrot	4.5	166.5200	749.3400
374200038	374200038	Carrot	4.5	116.8140	525.6630
374200293	374200293	Carrot	4.5	3.8818	17.4680
374200301	374200301	Carrot	4.5	3.7783	17.0024
374200384	374200384	Carrot	4.5	14.8336	66.7512
374200392	374200392	Carrot	4.5	13.9711	62.8700
374200400	374200400	Carrot	4.5	15.2749	68.7371
374200418	374200418	Carrot	4.5	13.4291	60.4310
374200426	374200426	Carrot	4.5	4.8238	21.7072
374200434	374200434	Carrot	4.5	6.8088	30.6396
374200442	374200442	Carrot	4.5	7.3119	32.9036
374200459	374200459	Carrot	4.5	7.0326	31.6469
374200509	374200509	Carrot	4.5	16.9467	76.2602
374200517	374200517	Carrot	4.5	16.1292	72.5814
374200525	374200525	Carrot	4.5	15.7645	70.9403
374200533	374200533	Carrot	4.5	14.8865	66.9893
374200541	374200541	Carrot	4.5	3.3325	14.9963
374200558	374200558	Carrot	4.5	3.5606	16.0228
374200566	374200566	Carrot	4.5	3.6087	16.2392
374200574	374200574	Carrot	4.5	3.4678	15.6052
374210086	374210086	None	0.0	0.0000	0.0000
374250017	374250017	None	0.0	0.0000	0.0000
374250033	374250033	None	0.0	0.0000	0.0000
374410082	374410082	Carrot	4.5	59.2211	266.4950
374440055	374440055	None	0.0	0.0000	0.0000
374440063	374440063	None	0.0	0.0000	0.0000
374440071	374440071	None	0.0	0.0000	0.0000
374440089	374440089	None	0.0	0.0000	0.0000
375020013	375020013-A1	None	0.0	0.0000	0.0000
375020013	375020013-A2	None	0.0	0.0000	0.0000
375020013	375020013-A3	None	0.0	0.0000	0.0000
375020013	375020013-B	Carrot	4.5	230.7840	1038.5280

15640.0705

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Summary 2004

AIN	NewAPN	CropType	Rate	Acres	Water Use
3258001900	3258001900	Carrot	4.5	14.8921	67.0145
3258001901	3258001901	Carrot	4.5	7.4071	33.3318
3258001902	3258001902-A	None	0	0.0000	0.0000
3258001902	3258001902-B	None	0	0.0000	0.0000
3258010900	3258010900-A	Alfalfa	7.0	80.7754	565.4278
3258010900	3258010900-B	Alfalfa	7.0	166.7850	1167.4950
3258010901	3258010901-A	Onion	4.5	111.3200	500.9400
3258010901	3258010901-B	Alfalfa	7.0	114.8470	803.9290
3258010902	3258010902-A	Alfalfa	7.0	109.1960	764.3720
3258010902	3258010902-B	Alfalfa	7.0	113.5720	795.0040
3261001900	3261001900	Alfalfa	7.0	118.7570	831.2990
3261001901	3261001901-A	None	0	0.0000	0.0000
3261001901	3261001901-B	Alfalfa	7.0	61.1990	428.3930
3261001901	3261001901-C	Alfalfa	7.0	53.0924	371.6468
3261009900	3261009900-A	Onion	4.5	116.0670	522.3015
3261009900	3261009900-B	Alfalfa	7.0	75.7653	530.3571
3261009900	3261009900-C	Alfalfa	7.0	36.1997	253.3979
3261009900	3261009900-D	Alfalfa	7.0	239.3000	1675.1000
3261009900	3261009900-E	Carrot	4.5	230.2290	1036.0305
3261009900	3261009900-F	None	0	0.0000	0.0000
359032380	359032380-A	None	0	0.0000	0.0000
359032380	359032380-B	None	0	0.0000	0.0000
359032380	359032380-C	Carrot	4.5	45.9711	206.8700
374011138	374011138-A	None	0	0.0000	0.0000
374011138	374011138-B	None	0	0.0000	0.0000
374011138	374011138-C	None	0	0.0000	0.0000
374011195	374011195	None	0	0.0000	0.0000
374011203	374011203	None	0	0.0000	0.0000
374011211	374011211	None	0	0.0000	0.0000
374011229	374011229	None	0	0.0000	0.0000
374020428	374020428	None	0	0.0000	0.0000
374020550	374020550-A	None	0	0.0000	0.0000
374020550	374020550-B	None	0	0.0000	0.0000
374200038	374200038	None	0	0.0000	0.0000
374200293	374200293	None	0	0.0000	0.0000
374200301	374200301	None	0	0.0000	0.0000
374200384	374200384	None	0	0.0000	0.0000
374200392	374200392	None	0	0.0000	0.0000
374200400	374200400	None	0	0.0000	0.0000
374200418	374200418	None	0	0.0000	0.0000
374200426	374200426	None	0	0.0000	0.0000
374200434	374200434	None	0	0.0000	0.0000
374200442	374200442	None	0	0.0000	0.0000
374200459	374200459	None	0	0.0000	0.0000
374200509	374200509	None	0	0.0000	0.0000
374200517	374200517	None	0	0.0000	0.0000
374200525	374200525	None	0	0.0000	0.0000
374200533	374200533	None	0	0.0000	0.0000
374200541	374200541	None	0	0.0000	0.0000
374200558	374200558	None	0	0.0000	0.0000
374200566	374200566	None	0	0.0000	0.0000
374200574	374200574	None	0	0.0000	0.0000
374210086	374210086	None	0	0.0000	0.0000
374250017	374250017	None	0	0.0000	0.0000
374250033	374250033	None	0	0.0000	0.0000
374410082	374410082	None	0	0.0000	0.0000
374440055	374440055	Carrot	4.5	31.2816	140.7672
374440063	374440063	Carrot	4.5	30.5297	137.3837
374440071	374440071	Carrot	4.5	30.9428	139.2426
374440089	374440089	Carrot	4.5	30.6237	137.8067
375020013	375020013-A1	Carrot	4.5	58.5548	263.4966
375020013	375020013-A2	None	0	0.0000	0.0000
375020013	375020013-A3	Carrot	4.5	114.3730	514.6785
375020013	375020013-B	None	0	0.0000	0.0000

11886.2850

Summary 2011

AIN	NewAPN	CropType	Rate	Acres2011	Water Use
3258001901	3258001901	None	0.0	0.0000	0.0000
3258001902	3258001902-B	Alfalfa	7.0	60.7563	425.2941
3261001901	3261001901-D	Alfalfa	7.0	68.2059	477.4413
3258001900	3258001900	None	0.0	0.0000	0.0000
3258010900	3258010900-B	Alfalfa	7.0	166.7850	1167.4950
3258010902	3258010902-B	Alfalfa	7.0	113.5720	795.0040
3261001900	3261001900	Alfalfa	7.0	118.7570	831.2990
3261009900	3261009900-F	None	0.0	0.0000	0.0000
3258010901	3258010901-B	None	0.0	114.8470	0.0000
375020013	375020013-A3	Alfalfa	7.0	114.3730	800.6110
374440055	374440055	None	0.0	0.0000	0.0000
374200038	374200038	None	0.0	0.0000	0.0000
374200384	374200384	None	0.0	0.0000	0.0000
374011203	374011203	None	0.0	0.0000	0.0000
374011211	374011211	None	0.0	0.0000	0.0000
374011195	374011195	None	0.0	0.0000	0.0000
374011229	374011229	None	0.0	0.0000	0.0000
374410082	374410082	None	0.0	0.0000	0.0000
374200509	374200509	None	0.0	0.0000	0.0000
374200442	374200442	None	0.0	0.0000	0.0000
374200293	374200293	None	0.0	0.0000	0.0000
374200558	374200558	None	0.0	0.0000	0.0000
374200566	374200566	None	0.0	0.0000	0.0000
374250017	374250017	Alfalfa	7.0	103.7840	726.4880
374020550	374020550-B	Alfalfa	7.0	166.5200	1165.6400
374011138	374011138-D	Alfalfa	7.0	73.2064	512.4448
374210086	374210086	None	0.0	0.0000	0.0000
359032380	359032380-A	None	0.0	0.0000	0.0000
374020428	374020428	None	0.0	0.0000	0.0000
374250033	374250033	Alfalfa	7.0	14.9909	104.9363
374200426	374200426	None	0.0	0.0000	0.0000
374200434	374200434	None	0.0	0.0000	0.0000
374200459	374200459	None	0.0	0.0000	0.0000
374200301	374200301	None	0.0	0.0000	0.0000
374200541	374200541	None	0.0	0.0000	0.0000
374200574	374200574	None	0.0	0.0000	0.0000
374200400	374200400	None	0.0	0.0000	0.0000
374200418	374200418	None	0.0	0.0000	0.0000
374200392	374200392	None	0.0	0.0000	0.0000
374440071	374440071	None	0.0	0.0000	0.0000
374440089	374440089	None	0.0	0.0000	0.0000
374440063	374440063	None	0.0	0.0000	0.0000
374200525	374200525	None	0.0	0.0000	0.0000
374200517	374200517	None	0.0	0.0000	0.0000
374200533	374200533	None	0.0	0.0000	0.0000
375020013	375020013-B	Alfalfa	7.0	230.7840	1615.4880
375020013	375020013-A1	Alfalfa	7.0	58.5548	409.8836
375020013	375020013-A2	Alfalfa	7.0	55.2775	386.9425
3258010901	3258010901-A	Alfalfa	7.0	111.3200	779.2400
3258010902	3258010902-A	Alfalfa	7.0	109.1960	764.3720
3261009900	3261009900-A	Alfalfa	7.0	116.0670	812.4690
3261009900	3261009900-B	Alfalfa	7.0	75.7653	530.3571
3261009900	3261009900-C	Alfalfa	7.0	36.1997	253.3979
3261009900	3261009900-D	Alfalfa	7.0	239.3000	1675.1000
3261009900	3261009900-E	None	0.0	0.0000	0.0000
3261001901	3261001901-B	Alfalfa	7.0	61.1990	428.3930
374020550	374020550-A	Alfalfa	7.0	32.0371	224.2597
3261001901	3261001901-C	Alfalfa	7.0	53.0924	371.6468
3258001902	3258001902-A	Alfalfa	7.0	56.9463	398.6241
3258010900	3258010900-A	Alfalfa	7.0	80.7754	565.4278
374011138	374011138-A	None	0.0	0.0000	0.0000
374011138	374011138-E	Alfalfa	7.0	67.2184	470.5288
359032380	359032380-C	Alfalfa	7.0	45.9711	321.7977
359032380	359032380-B	None	0.0	0.0000	0.0000
3261001901	3261001901-A	Onion	4.5	48.6419	218.8886
374011138	374011138-B	Onion	4.5	54.8160	246.6720
374011138	374011138-C	Onion	4.5	49.9459	224.7566
				<u>2698.9053</u>	<u>17704.8986</u>

Summary 2012

AIN	NewAPN	CropType	Rate	Acres2012	Water Use
3258001901	3258001901	None	0.0	0.0000	0.0000
3258001902	3258001902-B	None	0.0	0.0000	0.0000
3261001901	3261001901-D	None	0.0	0.0000	0.0000
3258001900	3258001900	None	0.0	0.0000	0.0000
3258010900	3258010900-B	None	0.0	0.0000	0.0000
3258010902	3258010902-B	None	0.0	0.0000	0.0000
3261001900	3261001900	None	0.0	0.0000	0.0000
3261009900	3261009900-F	None	0.0	0.0000	0.0000
3258010901	3258010901-B	None	0.0	0.0000	0.0000
375020013	375020013-A3	Alfalfa	7.0	114.3730	800.6110
374440055	374440055	None	0.0	0.0000	0.0000
374200038	374200038	None	0.0	0.0000	0.0000
374200384	374200384	None	0.0	0.0000	0.0000
374011203	374011203	None	0.0	0.0000	0.0000
374011211	374011211	None	0.0	0.0000	0.0000
374011195	374011195	None	0.0	0.0000	0.0000
374011229	374011229	None	0.0	0.0000	0.0000
374410082	374410082	None	0.0	0.0000	0.0000
374200509	374200509	None	0.0	0.0000	0.0000
374200442	374200442	None	0.0	0.0000	0.0000
374200293	374200293	None	0.0	0.0000	0.0000
374200558	374200558	None	0.0	0.0000	0.0000
374200566	374200566	None	0.0	0.0000	0.0000
374250017	374250017	Alfalfa	7.0	103.7840	726.4880
374020550	374020550-B	Alfalfa	7.0	166.5200	1165.6400
374011138	374011138-D	Alfalfa	7.0	73.2064	512.4448
374210086	374210086	None	0.0	0.0000	0.0000
359032380	359032380-A	None	0.0	0.0000	0.0000
374020428	374020428	None	0.0	0.0000	0.0000
374250033	374250033	Alfalfa	7.0	14.9909	104.9363
374200426	374200426	None	0.0	0.0000	0.0000
374200434	374200434	None	0.0	0.0000	0.0000
374200459	374200459	None	0.0	0.0000	0.0000
374200301	374200301	None	0.0	0.0000	0.0000
374200541	374200541	None	0.0	0.0000	0.0000
374200574	374200574	None	0.0	0.0000	0.0000
374200400	374200400	None	0.0	0.0000	0.0000
374200418	374200418	None	0.0	0.0000	0.0000
374200392	374200392	None	0.0	0.0000	0.0000
374440071	374440071	None	0.0	0.0000	0.0000
374440089	374440089	None	0.0	0.0000	0.0000
374440063	374440063	None	0.0	0.0000	0.0000
374200525	374200525	None	0.0	0.0000	0.0000
374200517	374200517	None	0.0	0.0000	0.0000
374200533	374200533	None	0.0	0.0000	0.0000
375020013	375020013-B	Alfalfa	7.0	230.7840	1615.4880
375020013	375020013-A1	Alfalfa	7.0	58.5548	409.8836
375020013	375020013-A2	Alfalfa	7.0	55.2775	386.9425
3258010901	3258010901-A	None	0.0	0.0000	0.0000
3258010902	3258010902-A	None	0.0	0.0000	0.0000
3261009900	3261009900-A	None	0.0	0.0000	0.0000
3261009900	3261009900-B	None	0.0	0.0000	0.0000
3261009900	3261009900-C	None	0.0	0.0000	0.0000
3261009900	3261009900-D	None	0.0	0.0000	0.0000
3261009900	3261009900-E	None	0.0	0.0000	0.0000
3261001901	3261001901-B	None	0.0	0.0000	0.0000
374020550	374020550-A	Alfalfa	7.0	32.0371	224.2597
3261001901	3261001901-C	None	0.0	0.0000	0.0000
3258001902	3258001902-A	None	0.0	0.0000	0.0000
3258010900	3258010900-A	None	0.0	0.0000	0.0000
374011138	374011138-A	None	0.0	0.0000	0.0000
374011138	374011138-E	Alfalfa	7.0	67.2184	470.5288
359032380	359032380-C	None	0.0	0.0000	0.0000
359032380	359032380-B	None	0.0	0.0000	0.0000
3261001901	3261001901-A	None	0.0	0.0000	0.0000
374011138	374011138-B	Onion	4.5	54.8160	246.6720
374011138	374011138-C	Onion	4.5	49.9459	224.7566
				1021.5080	6888.6513

EXHIBIT 3

Antelope Valley-East Kern Water Agency (AVEK)

AVEK WSSP Properties:

WSSP-1 "Calandri"

WSSP-2 "Godde"

SUMMARY OF WATER USE

Table #1

Usage (AF)	Year						
	2000	2001	2002	2003	2004	2011	2012
Total Water Used AVEK Properties - Aerial Photos/Crop Duty *	16,147	13,616	13,037	15,640	11,886	17,705	6,889
Surface Water Used - AVEK Deliveries	7,843	5,236	2,225	1,040	2,310	5,027	3,641
Groundwater Used	8,304	8,381	10,812	14,600	9,576	12,678	3,248

* Total Water Use amounts indicated assumes the following crop water duties (Acre-Ft./Acre/Yr): Alfalfa: 7.0 AF; Carrots: 4.5 AF; Grain: 4.5 AF; Onions: 4/5 AF.

EXHIBIT 4

Antelope Valley-East Kern Water Agency (AVEK)

AVEK WSSP Properties:

WSSP-1 "Calandiri"

WSSP-2 "Godde"

SUMMARY OF WATER USE

Table #2

Usage (AF)	Year						
	2000	2001	2002	2003	2004	2011	2012
Total Water Used AVEK Properties - Aerial Photos/Crop Duty *	14,950	12,643	11,748	14,354	10,945	16,491	6,430
Surface Water Used - AVEK Deliveries	7,843	5,236	2,225	1,040	2,310	5,027	3,641
Groundwater Used	7,107	7,408	9,524	13,314	8,635	11,464	2,790

* Total Water Use amounts indicated are calculated based upon the Crop Duty Table set forth in the Summary Expert Report, Appendix D-3, Table 4. Table 4 crop water duties (Acre-Ft/Acre/Yr): Alfalfa: 6.5 AF; Carrots: 3.9 AF; Grain: 2.6 AF; Onions: 4.5 AF.

EXHIBIT 5

Godde Property APN	Water 2011	Banked 2012
3258-001-003	1468.556	2574.333
3258-001-839	1468.556	2574.333
3258-010-001	1468.556	2574.333
3258-010-068	1468.556	2574.333
3258-010-069	1468.556	2574.333
3261-001-005	1468.556	2574.333
3258-001-004	1468.556	2574.333
3261-001-007	1468.556	2574.333
3261-009-001	<u>1468.556</u>	<u>2574.333</u>
	13217	23169

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PROOF OF SERVICE

**STATE OF CALIFORNIA }
COUNTY OF SAN BERNARDINO}**

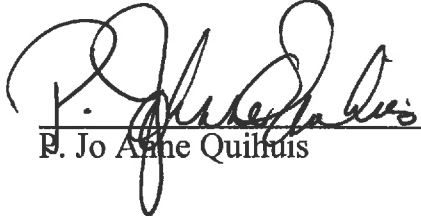
I am employed in the County of the San Bernardino, State of California. I am over the age of 18 and not a party to the within action; my business address is 1839 Commercenter West, San Bernardino, California 92408-3303.

On May 24, 2013, I served the foregoing document(s) described as: **ANTELOPE VALLEY-EAST KERN WATER AGENCY'S TRIAL BRIEF** on the interested parties in this action served in the following manner:

■ **BY ELECTRONIC SERVICE AS FOLLOWS** by posting the document(s) listed above to the Santa Clara website in the action of the *Antelope Valley Groundwater Litigation*, Judicial Council Coordination Proceeding No. 4408, Santa Clara Case No. 1-05-CV-049053.

 X (STATE) I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Executed on May 24, 2013, at San Bernardino, California.



P. Jo Anne Quilhaus