	<b>!</b>	
1	William J. Brunick, Esq. [SB No. 46289] BRUNICK, McELHANEY & KENNEDY	DI C
2	1839 Commercenter West	PLC
3	San Bernardino, California 92408	Exempt from filing fee pursuant to
4	MAILING: P.O. Box 13130	Gov't. Code Section 6103
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 WATI	ER AGENCY
9		SICTOLIVE I
10	SHDEDIAD CAHDT AF TI	HE STATE OF CALIFORNIA
11		
12	FOR THE COUNTY OF LOS A	NGELES – CENTRAL DISTRICT
13		
14	Coordination Proceeding Special Title (Rule 1550(b))	Judicial Council Coordination Proceeding No. 4408
15	ANTELOPE VALLEY GROUNDWATER CASES	Santa Clara Case No. 1-05-CV-049053
16	GROUND WATER CASES	The Honorable Jack Komar, Dept.17
17	Included Actions:	ANTELOPE VALLEY-EAST KERN
18	Los Angeles County Waterworks District	WATER AGENCY'S DESIGNATION OF EXPERT WITNESSES
19	No. 40 vs. Diamond Farming Company, a corporation, Superior Court of California,	(Pursuant to C.C.P. § 2034)
20	County of Los Angeles, Case No. BC325201;	Trial Date: February 11, 2013
21	Los Angeles County Waterworks District	Time: 9:00 a.m. Location: TBD
22	No. 40 vs. Diamond Farming Company, a corporation., Superior Court of California,	
23	County of Kern, Case No. S-1500-CV-254-348;	
24	Wm. Bolthouse Farms, Inc. vs. City of	
25	Lancaster, Diamond Farming Company, a corporation, vs. City of Lancaster, Diamond	
26	Farming Company, a corporation vs. Palmdale Water District, Superior Court of	
27	California, County of Riverside, Case Nos. RIC 353840, RIC 344436, RIC 344668.	
28		

3

4

5

6

7

8

9

10

11

14

15

16

17

18

19

20

21

22

23

24

25

26

27

TO: ALL PARTIES HEREIN AND TO THEIR RESPECTIVE ATTORNEYS OF **RECORD:** 

The name and address of each person whose testimony or expert opinion defendant and cross-complainant, the Antelope Valley-East Kern Water Agency expects to offer into evidence at the time of the Phase 4 trail are as follows:

#### **Retained Experts:**

- Dr. Hong-lie Qiu, California State University Los Angeles, 5151 State University Drive, Los Angeles, CA 90032, telephone (323) 343-2228.
- Robert Wagner, Wagner & Bonsignore, 2151 River Plaza Drive, Suite 100, Sacramento, California 95833; telephone (916) 441-6850.

#### **Non-retained Experts:**

- Dan Flory, General Manager, Antelope Valley-East Kern Water Agency, 6500 West 12 1. Avenue "N," Palmdale, California 93551, (661) 943-3201. 13
  - 2. Tom Barnes, Antelope Valley-East Kern Water Agency, 6500 West Avenue "N," Palmdale, California 93551, (661) 943-3201.
  - 3. Mike Flood, Antelope Valley-East Kern Water Agency, 6500 West Avenue "N." Palmdale, California 93551, (661) 943-3201.
  - Ben Horn, AECOM, 5001 East Commercenter Drive, Bakersfield, California 93309, telephone (661) 325-7253.

This defendant reserves the right to designate any additional experts in a supplemental designation pursuant to CCP §2034.280 or to augment or amend his initial designation pursuant to CCP §2034.610 et seq.

#### Lay Witnesses:

- Mark Ritter, R&R Ranch, 51201 North 90th W Lancaster, CA 93536, telephone (661) 524-3859. Available dates for his deposition will be provided as soon as such are ascertained.
- 2. John Calandri, Calandri SonRise Farms, LP, 3803 Camino Hermano, Lancaster, CA 93536, telephone (661) 946-9022. Available dates for his deposition will be provided as soon as such are ascertained.

28

1	3. Robert Tracz, 44404 16 <sup>th</sup> Str	reet, W #100, Lancaster, CA, telephone (661) 821-4080
2	Available dates for his deposition w	vill be provided as soon as such are ascertained.
3	Dated: January 4, 2013	BRUNICK, MCELNANEY & KENNEDY PLC
4		By:
5		
6		William J. Brunick Leland P. McElhaney Attorneys for the ANTEL OPE VALLEY-EAST KERN WATER AGENCY
7		ALICE WITTERFIGLINGS
8		$\nu$
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		le le
21		
22		
23		
24		
25		
26		140
<ul><li>27</li><li>28</li></ul>		
20		

#### 

# 

.5

# 

# 

# 

## 

# 

# 

# 

# 

# 

## 

# 

#### 

#### 

#### 

#### 

#### 

# 

#### 

#### DECLARATION OF LELAND McELHANEY RE: RETAINED EXPERT

Leland P. McElhaney declares and states:

- 1. I am an attorney duly licensed to practice in all of the courts of the State of California, and a principal in the law firm of Brunick, McElhaney & Kennedy, counsel of record for defendant and cross-complainant, the Antelope Valley-East Kern Water Agency, in this action. I have personal knowledge of all of the matters set forth herein and, if called as a witness, I could and would testify competently thereto.
- 2. As to Dr. Hong-lie Qiu, I declare that he is a Professory of Geography & Uran Analysis, at California State University, Los Angeles, who will provide testimony and opinions concerning the amount of acreage under cultivation, the crops grown, and the amount of water required to grow those crops, on AVEK owned properties during the years in question.

Dr. Hong-lie Qiu has agreed to testify at trial and will be sufficiently familiar with this action to submit to a meaningful oral deposition concerning his specific testimony, opinions and their bases. A copy of his Curriculum Vitae setting forth his qualifications is attached to this designation. His availability for deposition will be provided in a supplemental designation. At this time, this witness has not prepared any written, discoverable reports or writings covered by C.C.P. § 2034.270, except for certain exhibits attached to this party's recent discovery responses. Should this witness prepare any written report relating to the opinions to be given, this party will file a supplement to this designation and provide a copy of any relevant reports.

- 4. Dr. Hong-lie Qiu's fee for providing deposition testimony or consulting with the retaining attorney is \$100.00 per hour.
- 5. As to Robert Wagner, I declare that he is a licensed civil engineer with special expertise in hydrology studies and water availability analysis, and water resources management, who will provide testimony regarding beneficial uses made of AVEK imported water and its augmentation of the Basin as return flow.
- Mr. Wagner has agreed to testify at trial and will be sufficiently familiar with this action to submit to a meaningful oral deposition concerning his specific testimony, opinions and their bases. A copy of his Curriculum Vitae setting forth his qualifications is attached hereto. At this

 time, this witness has not prepared any written, discoverable reports or writings covered by C.C.P. § 2034.270. Should this witness prepare any written report relating to the opinions to be given, this party will file a supplement to this designation and provide a copy of any relevant reports.

- 6. Robert Wagner's fee for providing deposition or trial testimony is \$337.50 per hour; he is available for deposition on January 21, 22, 24 or 25, 2013.
- 7. As to Dan Flory, I declare that he is the general manager of AVEK, who will provide information and opinions as to dates and quantity of AVEK's imported water; intent to recapture spread water; issues related to leased properties; State K reservation of return flows.

Mr. Flory has agreed to testify at trial and will be sufficiently familiar with this action to submit to a meaningful oral deposition concerning his specific testimony, opinions and their bases. Mr. Flory will be available for deposition on January 28 or 29, 2013. At this time, this witness has not prepared any written, discoverable reports or writings covered by C.C.P. § 2034.270. Should this witness prepare any written report relating to the opinions to be given, this party will file a supplement to this designation and provide a copy of any relevant reports.

8. As to Tom Barnes, I declare that he is an employee of AVEK, who will provide information and opinions as to AVEK's intent to recapture spread water, standard quantities of water needed to irrigate certain crops. Mr. Barnes is available for deposition on January 23, 24, or 28, 2013.

Mr. Barnes has agreed to testify at trial and will be sufficiently familiar with this action to submit to a meaningful oral deposition concerning his specific testimony, opinions and their bases. He will be available for deposition on January 25 or 28, 2013. At this time, this witness has not prepared any written, discoverable reports or writings covered by C.C.P. § 2034.270, except for certain exhibits attached to this party's recent discovery responses. Should this witness prepare any written report relating to the opinions to be given, this party will file a supplement to this designation and provide a copy of any relevant reports.

8. As to Mike Flood, I declare that he is an employee of AVEK, who will provide information and opinions as to geologic and related conditions relating to the AVEK owned

properties; beneficial uses made of AVEK imported water and its augmentation of the Basin as return flow; intent to recapture spread water. Mr. Flood is available for deposition on January 21 or 22, 2013.

Mr. Flood has agreed to testify at trial and will be sufficiently familiar with this action to submit to a meaningful oral deposition concerning his specific testimony, opinions and their bases. He will be available for deposition on January 25 or 28, 2013. At this time, this witness has not prepared any written, discoverable reports or writings covered by C.C.P. § 2034.270. Should this witness prepare any written report relating to the opinions to be given, this party will file a supplement to this designation and provide a copy of any relevant reports.

9. As to Ben Horn, I declare that he is an engineer employed by AECOM, and he will provide information and opinions as to geologic and related conditions relating to the AVEK owned properties; beneficial uses made of AVEK imported water and its augmentation of the Basin as return flow; facilities used to bank water or recapture return flows.

Mr. Horn has agreed to testify at trial and will be sufficiently familiar with this action to submit to a meaningful oral deposition concerning his specific testimony, opinions and their bases. He will be available for deposition on January 17 or 18, 2013. Mr. Horn's hourly rate for deposition testimony or consulting with the retaining attorney will be provided prior to the taking of his deposition. At this time, this witness has not prepared any written, discoverable reports or writings covered by C.C.P. § 2034.270, except for certain exhibits attached to this party's recent discovery responses. Should this witness prepare any written report relating to the opinions to be given, this party will file a supplement to this designation and provide a copy of any relevant reports.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that this declaration was executed in San Bernardino,

California, on January 4, 2013

Leland P. McElhaney

# PROFESSIONAL RESUME OF ROBERT WAGNER, P.E.



Nicholas F. Bonsignore, P.E. Robert C. Wagner, P.E. Paula J. Whealen Henry S. Matsunaga James C. Hanson
Consulting Civil Engineer
A Corporation

Brad E. Newton, Ph.D., P.G. David Houston, P.E. David P. Lounsbury, P.E. Vincent Maples, P.E. Emily MacDonald Ryan E. Stolfus

# ROBERT C. WAGNER PROFESSIONAL RESUME

#### **REGISTRATION:**

Civil Engineer, California (License No. 52903) Civil Engineer, Nevada (License No. 021017)

#### **EDUCATION:**

B.S. Civil Engineering - California State University, Sacramento, CA - 1988

#### **EXPERIENCE:**

Mr. Wagner is the president of Wagner & Bonsignore Engineers and is a Registered Civil Engineer in California and Nevada, with 23 years experience in water resources management, water right analysis, surface and groundwater water hydrology and land use evaluations for municipal and agricultural projects. Mr. Wagner has been the court appointed Mojave Watermaster for over 17 years and has provided expert witness testimony on various matters related to water resources and water rights in court and before the State Water Resources Control Board. Mr. Wagner has demonstrated expertise in areas of consumptive use analysis, watershed hydrology, facility design for storm water capture and analysis of return flow to support water transfers, administration of court ordered judgments and water supply sustainability.

Mr. Wagner serves a wide variety of private and public clients throughout California, managing projects from concept to implementation. Mr. Wagner's work includes pre-1914 appropriative water right investigation, analysis of riparian and overlying water rights and appropriative rights administered by the State Water Resources Control Board.

Mr. Wagner has demonstrated communication skills to work with a wide range of legal and technical professional and stakeholder groups. He has strong organizational and analytical skills and a recognized ability to provide cost effective solutions to difficult water resource problems.

#### RECENT EXPERIENCE INCLUDES THE FOLLOWING:

Provide engineering services for Chino Basin Water Conservation District, San Bernardino County in connection with storm water recharge in Chino Basin.

Watermaster Engineer for Orange County Water District; perform analysis of hydrologic and water quality data for the Santa Ana River Watershed for Water Year 2009-10; distinguish storm flow and base flow at Prado Dam and at Riverside Narrows, preparation of portions of the Watermaster's annual report to the Court.

Provide engineering services for Lake Alpine Water Company / Alpine County in connection with the State Water Resources Control Board water right hearing and hydrology of South Fork Stanislaus River for State Filed Application 5648.

Provide Engineering services for Natomas Mutual Water Company, in connection with the water rights. Evaluation of water rights for 51,000 acres of agricultural operation, water right analysis and water transfers.

Provide engineering services on behalf of City of Sacramento in connection with the Water Resources of the American River.

Provide engineering services on behalf of City of Ukiah in connection with water rights and hydrology of the Russian River, Mendocino County.

Provide engineering services on behalf of Sonoma County Water Agency in connection with development of agricultural reuse project for use of treated wastewater for vineyard irrigation.

Provide engineering services in connection with analysis of water production and hydrologic data for development of water use agreements for over 100 growers in the Dry Creek Valley in Sonoma County.

Provide engineering services for City of Santa Maria in connection with the hydrologic resources of the Santa Maria Groundwater Basin.

Engineering expert in the matter of Bonadiman v. Evans in San Bernardino Superior Court on behalf of prevailing party Evans. Research and documentation of water development and water right acquisition dating to 1883.

Provide engineering services for The Wildlands Conservancy in connection with water resource matters for extensive land holdings in San Bernardino and Kern Counties.



Provide engineering services for Wells Fargo Bank in connection with the analysis of water rights and water availability on the Kern River.

Watermaster Engineer for the Mojave Basin Area Watermaster in the matter of the Mojave River Adjudication, City of Barstow, et al, vs. City of Adelanto, et al. Collection and analysis of data for preparation of Annual Watermaster Report, including groundwater production and hydrology studies of the Mojave River System and groundwater basin in connection with storm flow base flow separation determination and the analysis of water transfers and land use changes. Preparation of Annual Watermaster report.

Provide engineering services on behalf of the Mojave Water Agency in connection with Mojave Basin Area Adjudication. Coordinate activities for professional and subprofessional staff for collection, analysis and verification of water production records for approximately 7,000 wells in the Mojave River Basin. Participate in meetings of the Joint Engineer-Attorney Drafting Committee formed to negotiate and draft the Stipulated Judgment. Participation in the drafting and ongoing revisions of the Watermaster Rules and Regulations.

Provide engineering services in connection with engineering services for the Warren Valley Basin Watermaster, San Bernardino County. Analysis of groundwater production records and basin hydrology for preparation of Annual Watermaster Report.

Provide engineering services in connection with work for East Valley Water District, San Bernardino County, regarding the analysis of surface and subsurface hydrology of the Santa Ana River and the availability of water for the Seven Oaks Dam Project and fully appropriated listing of the Santa Ana River.

Provide engineering services on behalf of Kirkwood Associates before the State Water Resources Control Board in the matter of South Fork American River Hearings, October 1995. Analysis of the South Fork American River and Caples Creek hydrology in connection with same.

Provide engineering services in connection with work for High Desert Water District, San Bernardino County, regarding the analysis of water quality and ground water elevation data for monitoring the potential impacts of ground water extractions from the Ames Valley Basin.

Provide engineering services in connection with work for Hidden Valley Lake Community Services District, Lake County, regarding the hydrologic analysis of Upper Putah Creek Watershed and the Coyote Valley groundwater basin in support of amendments to fully appropriated stream status and applications to appropriate surface and subsurface water from Putah Creek; continued monitoring of the Coyote Valley groundwater basin in connection with administration of water rights.



#### **CONTINUING EDUCATION**

- "California Environmental Quality Act Update", University of California, Davis February 1992
- "California Water Law", University of California, Davis November 1989 to January 1990
- "Understanding Wetlands and 404 Permitting", ASCE July 1997
- "Fundamentals of Water Rights and Colorado River Issues", University of Nevada, Las Vegas January 1998
- "Fundamentals of Groundwater Hydrology", UC Berkeley Extension, July 2002





Nicholas F. Bonsignore, P.E. Robert C. Wagner, P.E. Paula J. Whealen Henry S. Matsunaga James C. Hanson
Consulting Civil Engineer
A Corporation

#### FEE SCHEDULE

Brad E. Newton, Ph.D., P.G. David Houston, P.E. David P. Lounsbury, P.E. Vincent Maples, P.E. Emily MacDonald Ryan E. Stolfus

**EFFECTIVE JANUARY 1, 2013** 

- 1. Personal Services of Principals & Supporting Services
  - a) Principals including Registered Civil Engineers and Water Right Specialist billed on an hourly rate in accordance with the Schedule of Fees attached hereto; for public hearings and court appearances requiring qualifications and services as expert witness and for assistance to attorneys during course of such hearings and depositions, to be billed at 1.5 times the regular hourly rate, plus transportation and subsistence expenses set forth under (2); Eight hour minimum to be billed for depositions, court appearances and administrative hearings.
  - b) Registered Civil Engineers, Sub-professional Engineers, Technicians and Drafters billed on an hourly rate in accordance with the Schedule of Fees attached hereto, plus transportation and subsistence expenses set forth under (2);
  - c) Special engineering, geotechnical services, testing, surveying and other similar services employed specifically for performance of work at direct invoice cost plus 15 percent.

#### 2. Reimbursable Expenses

- a) Transportation, direct out-of-pocket expense for public transportation, 75¢ per mile for private auto.
- b) Subsistence, direct out-of-pocket expense.

The foregoing compensation will include compensation for all general office secretarial services, supplies and overhead including office space required for performance of personal and supporting engineering services. Invoices for Personal and Supporting Services and Reimbursable Expenses will be submitted on a calendar month basis and are due and payable upon receipt.

All work performed will be considered as personal professional engineering and supporting services and will be performed and furnished as an independent contractor.

WAGNER & BONSIGNORE CONSULTING CIVIL ENGINEERS A CORPORATION

Robert C. Wagner, P.E.



#### **SCHEDULE OF FEES**

#### **EFFECTIVE JANUARY 1, 2013**

Principal Engineer	\$195 - \$225/hr.
Principal Scientist Geology Hydrology Fluvial Geomorphology	\$180 - \$200/hr.
Project Manager Water Rights Construction Management Project Management	\$135 - \$200/hr.
Water Right Specialist	\$100 - \$150/hr.
Project Engineer – Registered	\$120 - \$170/hr.
Staff Engineer	\$95 - \$120/hr.
Water Right Assistant	\$75 - \$115/hr.
Senior Technician	\$85 - \$115/hr.
Drafter/Graphics	\$65 - \$100/hr.
Clerical	\$45 - \$65/hr.



# PROFESSIONAL RESUME OF DR. HONG-LIE QIU

#### Hong-lie Qiu

Department of Geosciences and Environment College of Natural and Social Sciences California State University, Los Angeles 5151 State University Drive Los Angeles, CA 90032

Fujian Normal University, China	Geography	B.S.	1982
Cornell University	Geological Sciences	Visiting Fellow	1984
Louisiana State University	Geography	Ph.D.	1994

#### (ii) Appointments

(II) Appointments	
2011 - present	Professor, Department of Geosciences and Environment, California State University, Los Angeles
2008 – 2011	Professor, Department of Geography and Urban Analysis, California State University, Los Angeles
2007 – 2008	Resident Director, California State University International Programs – China Study Center at Peking University
	Professor, Department of Geography and Urban Analysis, California State University, Los Angeles
2002 - 2006	Associate Professor/Associate Chair, Department of Geography and Urban Analysis, California State University, Los Angeles Associate Director, Center for Spatial Analysis and Remote Sensing, California State University, Los Angeles
	Faculty Mentor, Center for Environmental Analysis (CEA-CREST), California State University, Los Angeles
1996 - 2002	Assistant Professor, Department of Geography and Urban Analysis, California State University, Los Angeles
1992 - 1996	Research Associate, Remote Sensing & Image Processing Laboratory, Louisiana State University
1982 - 1984	Research Assistant, Department of Geography, Fujian Teacher's University, Fujian, China

#### (iii) Recent Publications

- Zheng, Y.F. and Qiu, H.-L. (2012). Mapping urban landuse types in Los Angeles using Multidate Moderate-Resolution Imaging Spectroradiometer vegetation image products. *In Proceedings of Earth Observation and Remote Sensing Applications (EORSA) 2012:* 283-286.
- Li, B.G., Ma, L.C., Jiang, P.A., Duan. Z.Q., Sun, D.F., Qiu, H.-L., Zhong, J.P., and Wu, H.Q. (2008). High precision topographic data on Lop Nor basin's "Great Ear" and the timing of its becoming a dry salt lake. Chinese Science Bulletin, 53(6): 905-914.
- Qiu, H.-L. Kuban, A. and Zhong, J.P.(2007). The Drying-up process of Lop Nur as explained by remote sensing data. In: Xia, X.C., Wang, F.B., and Zhao, Y.J. (eds.), *Lop Nur of China*, pp. 311-322. Science Press, Beijing, 2007
- Qiu H.-L. (2006). A 4,000-year pollen records of vegetation change from the subtropical mountains of Fujian Province, China. *Journal of Subtropical Resources and Environment*. 1(1): 11-23.

Qiu, H.-L., Zhong, J.-P., Dong, X.-G., Fan, Y.-M., Liu, L., and H.-Q. Wu (2001). Spectral Reflectance Properties of Major Surface Features from Urumqi and Its Surrounding Areas in Xinjiang, China. *Journal of Xinjiang Agricultural University*, 24(2): 17-21.

Qiu, H.-L., Lam, N. S.-N., Quattrochi, D.A. and Gamon, J.A. (1999). Fractal Characterization of Hyperspectral Imagery. *Photogrammetric Engineering & Remote Sensing*, 65(1):63-71.

#### (iv) Synergistic Activities

2000 - 2009 Faculty mentor, Center for Environmental Analysis, California State University, Los Angeles.

2007 - 2008 Resident director, California State University International Programs in China

2000 - 2010 Campus site license manager for the ESRI GIS software products at California State University, Los Angeles

#### (v) Collaborators & Other Affiliations

#### Collaborators:

Xinguang Dong, Xinjiang Agricultural University, China

Xi Chen, Xinjiang Institute of Ecology and Geography, China

Chenglin Liu, Institute of Mineral Resources, Chinese Academy of Geological Sciences

John Gamon, University of Alberta, Canada

Carlos Robles, California State University, Los Angeles

Caicong Wu, Peking University, China

Paula Averdson, California State University, Los Angeles

Xintong Li, Fujian Normal University, China

Nan Jiang, Nanjing Normal University, China

Jianfei Chen, Guangzhou University, China

Graduate Advisor: Kam-biu Liu (graduate advisor, Louisiana State University)

#### Recent Advisees:

#### M.A. student:

Defna Kohn (now at Mt. San Antonio College)

Fredrick Stehle

Jung Hun

Zhuizhui Lin

Yuanfan Zheng

#### 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.

On January 4, 2013, I served the foregoing document(s) described as: ANTELOPE VALLEY-EAST KERN WATER AGENCY'S DESIGNATION OF EXPERT WITNESSES (Pursuant to C.C.P. § 2034) on the interested parties in this action served in the following manner:

XX 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 January 4, 2013, at San Bernardino, California.

P. Jo Ahre Quihuis