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6 Attorneys for **SAN JOAQUIN**
TRIBUTARIES AUTHORITY

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9 **BEFORE THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD**
10 **IN THE MATTER OF**

11 CALIFORNIA DEPARTMENT OF WATER) **STATEMENT OF QUALIFICATIONS OF**
RESOURCES AND UNITED STATES) **DANIEL B. STEINER**
12 BUREAU OF RECLATION PETITION FOR) **(San Joaquin Tributaries Authority (SJTA)**
13 WATER RIGHT CHANGE RE: CALIFORNIA) **Case in Chief, Part 2, EXHIBIT 301)**
WATERFIX.)
14)
15)

16 I, Daniel B. Steiner, declare as follows:

17 **STATEMENT OF QUALIFICATIONS**

- 18 1. I am a registered civil engineer in the State of California (C32666). I hold a Bachelor’s of
19 Science Degree in Engineering from the University of California, Davis.
- 20 2. I have 40 years of experience in water resources planning, development, and management,
21 including operations planning for multipurpose water systems. I am experienced with water
22 operations and system integration for the San Joaquin River Basin, as well as the Central Valley
23 Project (CVP) and State Water Project (SWP) systems.
- 24 3. I was a co-developer of the San Joaquin River Component of CALSIM II. The effort
25 included the research and development of a long-term hydrologic record of stream flows, depletions
26 and accretions for the San Joaquin River Basin. Significant to the effort was the depiction of current
27 water project operations throughout the Valley, including considerations for water supply,
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1 regulatory requirements and compliance, power generation, flood control, water quality and
2 fisheries.

3 4. I provide ongoing evaluations of hydrology and operations of the San Joaquin River,
4 inclusive of the Stanislaus, Tuolumne, and Merced River tributaries. I assist with the development
5 of operational agreements, water transfers, and numerous hydrologic evaluations concerning water
6 system operations affecting the San Joaquin River. In the past that included documentation of the
7 San Joaquin River Agreement within Water Rights Decision 1641 (D-1641) for Reclamation and
8 the SWRCB. During the recent drought, and still ongoing, I advise clients regarding CVP and SWP
9 operations, including challenges to the CVP in meeting its water supply obligations because of
10 compliance to regulatory requirements. I have developed modeling tools to forecast the integrated
11 operation of CVP facilities including the Friant Division to meet CVP demands, with consideration
12 given to Bay-Delta requirements, fishery protection and coordination with the SWP. I provide
13 evaluations of water flow and quality conditions in the San Joaquin River, and the effect upon water
14 system operations due to alternative regulatory requirements.

15 5. I have appeared before the SWRCB during the proceedings of D-1641 concerning the San
16 Joaquin River and implementation of the Vernalis Adaptive Management Program, and have
17 provided testimony to the SWRCB during Part 1 of this proceeding. That testimony concerned the
18 past non-compliance by the United States Bureau of Reclamation (Reclamation) with the flow
19 requirements set forth in D-1641 for the compliance point at Vernalis.

20 6. For this Part 2 proceeding, I have been asked to prepare exhibits and testimony regarding
21 certain modeling assumptions and modelling of the California Department of Water Resources
22 (DWR) and Reclamation concerning the CWF. In particular, I was asked to opine as to the
23 compliance of the study simulations to D-1641 flow requirements at Vernalis, San Joaquin River, in
24 CWF CALSIM II modeling.

25 7. A true and correct copy of my resume has already been provided in this proceeding as
26 Exhibit SJTA-102.

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1 I declare under penalty of perjury under the laws of the State of California that the foregoing
2 is true and correct and that this declaration was executed on November 29, 2017, in Sacramento,
3 California.

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6 DANIEL B. STEINER

7 Dated: November 29, 2017

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