

Resume

Christopher H. Neudeck

PRINCIPAL ENGINEER



REGISTRATION

Civil Engineer No. 43473, California

EDUCATION

B.S., Civil Engineering, 1982
University of Santa Clara, California

SUMMARY

Mr. Neudeck has 25 years experience in the field of civil engineering. His emphasis has been in the area of planning, design, and construction of a wide variety of water resource and public works related projects. As a principal in the firm of Kjeldsen, Sinnock & Neudeck, Inc., Mr. Neudeck is responsible for planning, designing, estimating, contracting, and managing projects undertaken by the firm. Mr. Neudeck's background provides him the expertise and capability of handling all phases of project development, from the initial planning stages through the operation of the completed project.

EXPERIENCE

Mr. Neudeck currently serves as the Engineer and Local Agency Representative for numerous Reclamation Districts in the Sacramento/San Joaquin Delta. In addition Mr. Neudeck has served as the Principal Engineer/Project Engineer for KSN on many flood control projects. Mr. Neudeck's experience includes the management of large scale mapping projects used to form the background for planning, right-of-way, and the design of projects. Mr. Neudeck has also been recognized by the State of California for the synergistic combination of habitat restoration with conventional flood control techniques. Mr. Neudeck testified before the U.S. House of Representatives Subcommittee on Water and Power on October 20, 2005 on the importance of the Delta Levee system at the oversight hearing on water supply vulnerabilities in the Sacramento/San Joaquin River System; and again on September 7, 2006 regarding H.R. 6014, a bill to authorize the Secretary of the Interior acting through the Bureau of Reclamation to improve the Sacramento/San Joaquin Delta Levees. The following is a representative sample of surveying, mapping and right-of-way assignments managed by Mr. Neudeck:

San Joaquin Area Flood Control Agency (SJAFCA) Flood Protection Restoration Project – SJAFCA undertook an extremely aggressive project to improve, in a period of only 3 years, over 52 mile of levees providing flood protection to the City of Stockton. KSN, under Mr. Neudeck's direction, provided surveying, mapping, right-of-way acquisition documents and civil design and specifications for flood control improvements throughout the 52 levee miles of the project. This very impressive project required close coordination with other consultants whose dedication and commitment to schedule prevented a large portion of the City of Stockton from being mapped within the flood plain. If those maps had been issued, property owners would have been required to obtain flood insurance, and stricter, more expensive building standards would have been imposed in the flood-prone areas. SJAFCA officials were able to convince FEMA representatives to delay issuing the maps while KSN and the SJAFCA team of consultants constructed the flood control improvements consisting of flood wall and levee improvements along 40 miles of existing channel levees, 12 miles of new levees, widening of existing floodway with set-back levees and set-back benching, modifications to 24 bridges and the addition of two major detention basins.

Tuolumne River Restoration Project for Turlock Irrigation District (TID) – TID undertook an expansive river restoration project intended to improve river channel, riparian and fisheries conditions within a 27-mile stretch of the Tuolumne River corridor below LaGrange Dam. The work was designed to correct the negative effects of intensive land and water resource development going back to the Gold Rush. KSN, under Mr. Neudeck's direct supervision, provided a full spectrum of surveying and mapping services for the project. KSN provided static GPS control, aerial photogrammetry, digital orthophoto backgrounds, bathymetric surveys, and right-of-way mapping. KSN worked closely with TID and its design consultants from the initial stages of the conceptual design and preliminary right-of-way through construction as-builts.

Decker Island Habitat Improvement Project – Kjeldsen, Sinnock & Neudeck, Inc. mapped and designed the initial 15 acre Decker Island Habitat Improvement Project in conjunction with the development of borrow material for the stabilization of the 3 Mile Slough Levee on Twitchell Island. Decker Island was created in the early '1900's when the Sacramento River was dredged and the spoils were placed on top of the existing channel Island berm. KSN in cooperation with DWR and the Delta Levee Subventions Program excavated the spoils material and transported it to Twitchell Island to stabilize the 3 Mile Slough Levee. KSN was instrumental in laying out the background of the habitat development project which was ultimately completed by others. The borrow material was transported to Twitchell, Webb and Jersey Islands for levee stabilization projects. Shallow dendritic channels were designed and ultimately constructed with transitions to upland habitat. Ultimately the shallow water channels were planted with tules, sedges and willows, with a gradual transition of upland plants including oaks, alders and elderberries.

LEVEE AND FLOOD CONTROL PROJECTS

- ✦ Bishop Tract, Reclamation District 2042, Design and Construction of 100 Year Flood Control Improvements
- ✦ Atlas Tract, Reclamation District 2126, Design and Construction of 100 Year Flood Control Improvements.
- ✦ Hotchkiss Tract, Reclamation District No. 799, Design and Construction of 100 Year Flood Control Improvements.
- ✦ Byron Tract, Reclamation District No. 800, Design and Construction of 100 Year Flood Control Improvements.
- ✦ Shima Tract, Reclamation District No, 2115, Design and Construction of 100 Year Flood Control Improvements.

BOARDS OR COMMITTEES

Mr. Neudeck is a current member of the following Boards or Committees:

Habitat Advisory Committee to State of CA Delta Levee Subventions Program
CALFED Levees & Channels Technical Advisory Committee
CALFED Levees & Channels Seismic Sub-Team
California Central Valley Flood Control Association
California Delta Resource Conservation & Development Council