

# WATER RESOURCES

## GROUNDWATER LAW AND HYDROLOGY

This course is essential for professionals working in water resources in California. Effective groundwater management requires a combined understanding of the legal principles and physical characteristics of the resource. Acquire a working knowledge of groundwater law and hydrology, and discover new developments in case law, legislation and practice.

Receive thorough instruction on the physical characteristics of groundwater and the fundamental tenets of California groundwater law, including distinctions between percolating groundwater and surface water, the definition of basin boundaries, interrelated concepts of safe yield and overdraft, and different categories of groundwater rights. Examine alternative problem-solving approaches to address specific groundwater allocation and quality problems, such as management plans, physical solutions and court adjudication. You will also review case studies from groundwater disputes throughout California. Participants are encouraged to relate their own case studies and specific problems during the course.

### INSTRUCTORS

**Meredith Nikkel.** Meredith Nikkel, J.D., is a member of Downey Brand's Water Practice Group, specializing in water rights and litigation. She represents clients in administrative proceedings at the State Water Resources Control Board and Bureau of Reclamation, civil actions in superior court, and advocates for clients on complex and novel legal issues in the Ninth Circuit Court of Appeals and U.S. Supreme Court. She counsels water managers, boards of directors and public agencies on surface and groundwater supply issues, reclamation law and compliance with environmental laws such as CEQA, NEPA and the Endangered Species Act.

**William Halligan.** William Halligan, M.S., principal hydrogeologist, Luhdorff & Scalmanini, Consulting Engineers, is a California-licensed geologist with more than 25 years of experience. His expertise includes geology and groundwater-related regional and basin-wide investigations and groundwater modeling. Halligan's experience includes characterizations of geologic and hydrogeologic conditions in groundwater basins, geologic and hydrologic data analysis, assessment of surface water and groundwater interactions, seawater intrusion analysis, development of groundwater management plans and development of groundwater monitoring programs throughout California. He has worked in many of the coastal and inland basins in California with a focus on sustainable groundwater development and prevention of overdraft conditions.

### DISCOUNTS & CREDITS

10% discounts are available for groups of three or more, enrolled at the same time with a single payment method, and for members of: BIA, APA, ASLA, AEP. 6.0 hours of MCLE & APA credit available.

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Continuing and Professional Education



**THURSDAY  
FEBRUARY 6, 2020**

**9 A.M. – 4:30 P.M.**

\$360 (includes course materials)

One Capitol Mall, Suite 260  
1 Capitol Mall, Sacramento CA  
(parking \$4/day)

For more information or to enroll:

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