

Agenda

Understanding California's Water Resources: Hydrology and Geology The water cycle Relationship between the water cycle, groundwater and surface water California's aquifers Human impacts on water resources <ul style="list-style-type: none">• Groundwater and surface water depletion• Groundwater and surface water contamination• Land subsidence Learning from California's water problems	<i>S. Warner</i>
Understanding California Groundwater Rights Overview of groundwater rights Tegulation of groundwater: Sustainable Groundwater Management Act To adjudicate or not to adjudicate? That's the question, and other recent developments concerning groundwater rights	<i>M. Mouawad, W. Wang</i>
Industrial and Agricultural Water Quality Regulation and Permitting Federal and state water quality regulation Agricultural impacts on water quality Industrial impacts on water quality Industrial and agricultural water quality permitting Groundwater and surface water cleanup issues	<i>M. Quinn, P. Veasy</i>
Impacts of Climate Change on Water Resources Predicted impacts of climate change on weather patterns Predicted impacts on surface water resources Predicted impacts on California economy: agriculture, tourism, and industry	<i>Y. Sun</i>
Well Construction Permitting After <i>Protecting Our Water</i>	<i>J. Krattiger</i>

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California Groundwater and Surface Water: Preserving Finite Resources

Live, Interactive Webinar - Wednesday, May 26, 2021

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Learning Objectives

You'll be able to:

- Explain** the water cycle and the relationship between groundwater and surface water.
- Understand** the history of groundwater rights in California.
- Consider** industrial and agricultural impacts on water quality.
- Describe** the predicted impacts of climate change on weather patterns, water sources and California's economy.
- Examine** changes to well construction permitting after *Protecting Our Water*.



HalfMoon Education Online Learning California Groundwater and Surface Water: Preserving Finite Resources

Live, Interactive Webinar - Wednesday, May 26, 2021



- Explore** California's water resources
- Learn** about groundwater rights and high-capacity well permitting
- Examine** state and federal water quality regulation and permitting issues
- Consider** the impacts of climate change on water resources
- Understand** well construction permitting after *Protecting Our Water*

Continuing Education Credits

- California Attorneys**
6.5 CLE Hours
- California Engineers, Geoscientists & Hydrologists**
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Faculty

Scott D. Warner, PG CHG CEG
Principal Hydrogeologist/California – US West Regional Leader, BBJ GROUP
Mr. Warner is a principal hydrogeologist and regional leader for BBJ's California and Western US business. His 30-plus years of experience as a consulting hydrogeologist and subject matter expert in innovative groundwater remediation methods has included multi-discipline projects and clients including industrial manufacturers, mining and energy assets, agriculture and recreation sites, government and legal services. Mr. Warner has a particular expertise with passive and sustainable groundwater remedies, having been a designer for several “first-in-the world” in situ systems and is a frequent speaker and lecturer to both national and international professional and academic audiences on this topic. He has also provided expert witness services for numerous cases both domestic and international.

Maya Mouawad Associate, Best Best & Krieger LLP
Ms. Mouawad is an attorney with the Environmental Law & Natural Resources practice group at Best Best & Krieger LLP. She is focused on matters involving water rights, including California's Sustainable Groundwater Management Act (SGMA), as well as transactional commercial real estate development matters. She is part of the team of attorneys handling the Las Posas Valley Basin groundwater adjudication in Ventura County, the first adjudication of water rights in California intersecting with SGMA. Ms. Mouawad previously served as assistant general counsel for the Palmdale Water District and as special counsel for the Carson Reclamation Authority.

Wendy Y. Wang Of Counsel, Best Best & Krieger LLP
Ms. Wang is an attorney in Best Best & Krieger LLP's Environmental Law & Natural Resources practice group, who works with public and private clients on matters involving water law, including California's Sustainable Groundwater Management Act. She was part of the successful team that earned a Top Verdict recognition in 2018 from the *Daily Journal* for a jury verdict that favored water agencies in a first-of-its-kind groundwater rights trial. Ms. Wang was also part of the team of attorneys that secured a trial court judgment in the Antelope Valley groundwater adjudication, the largest groundwater rights case ever in California.

Meghan A. Quinn Senior Associate with Downey Brand LLP
Ms. Quinn focuses her practice on assisting clients with resolving regulatory issues, enforcement actions, and citizens suits that arise under the Federal Water Pollution Control Act (Clean Water Act) and Porter-Cologne Water Quality Control Act. She excels at translating complex technical information into legal arguments to efficiently address client needs. Ms. Quinn routinely works closely with technical experts to develop jurisdictional delineations

of waters and wetlands, assisting clients with navigating the complex regulatory landscape applicable to such features and the interaction between California and federal law. Clients also frequently call upon Ms. Quinn for advice on National Pollutant Discharge Elimination System Permit and Waste Discharge Requirement Order negotiations, Basin Planning issues, and TMDL development and implementation.

Patrick F. Veasy Senior Associate with Downey Brand LLP
Mr. Veasy represents and assists a variety of public and private sector clients in environmental compliance and enforcement matters before state agency hearing boards, as well as before state and federal courts. He works on water quality matters under the California Porter-Cologne Water Quality Control Act and federal Clean Water Act in relation to administrative and judicial enforcement matters, as well as petitions challenging final agency actions. Mr. Veasy's experience includes working on environmental review and permitting projects involving the California Environmental Quality Act and the National Environmental Policy Act. He also has experience working on environmental compliance and enforcement matters under the Clean Air Act. Mr. Veasy assists clients on other matters involving environmental site remediation issues and toxic tort litigation.

Yung-Hsin Sun, PhD, PE, D.WRE, ENV SP Vice President, Stantec
Dr. Sun is chief water resources engineer with Stantec. Dr. Sun is a principal engineer with 29 years of experience leading, managing, and planning large-scale water resource projects for flood management, water supply and ecosystem restoration. He also has served as a senior strategic adviser for the California Department of Water Resources on a number of projects, including the California Water Plan Update 2018. Dr. Sun has served as a senior consultant for the Bureau of Reclamation's San Joaquin River Restoration Program and American River Basin Study, and assisted several state agencies in developing a long-term water conservation and drought-planning framework. He is a graduate of the National Chiao Tung University, in Hsinchu, Taiwan, and received his doctorate in Civil and Environmental Engineering from UCLA.

Janelle S.H. Krattiger Associate, Stoel Rives LLP
Ms. Krattiger practices in Stoel Rives' Environment, Land Use and Natural Resources group, where her practice is primarily focused on water rights and natural resources law. Mr. Krattiger advises her clients on matters regarding regulatory compliance, including state and federal Clean Water Acts (CWA), state and federal Endangered Species Acts (CESA and ESA), California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), and Sustainable Groundwater Management Act (SGMA). She represents clients before various local, state and federal agencies, including counties, California Department of Fish and Wildlife (CDFW), State Water Resources Control Board (SWRCB), Federal Energy Regulatory Commission (FERC) and Bureau of Land Management (BLM).

Webinar Information

Log into Webinar	Break
8:00 - 8:30 am PDT	12:15 - 12:45 pm PDT
Morning Session	Afternoon Session
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Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

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