




# HANS D. TREMMEL; PE

Professional Civil Engineer

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Whittier CA 

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## > About

Mr. Tremmel has over 15 years of experience primarily designing and implementing water resource and groundwater treatment solutions in Southern California and nationally. He is focused on advancing environmental stewardship in water quality and leveraging stormwater for beneficial uses. Mr. Tremmel uses statistical analysis and systems thinking to understand the natural world and to inform solid decision making for his clients.

## > Expertise

- Delivered over 10 MW of solar power in Southern California.
- Environmental regulatory and stormwater expert.
- Experience in construction engineering in heavy construction projects.
- Significant network in Los Angeles, San Diego, and Los Angeles County Public Works.
- Expert in data analytics using python, VBA, ~~TEX~~ Git, SQL, Bash, Docker, C#, Linux and Windows Development Environments.
- Expert in AutoCAD, Microstation, Inroads, HY-8, HEC-RAS, HEC-HMS, SWMM.

## > Certification

- CA Professional Engineer CA 78678
- Qualified SWPPP Developer and Practitioner (QSD/P) CA C78678
- Qualified Industrial Stormwater Practitioner CA 01138
- Envision Sustainability Professional CA 30582

## > Education

2010-2013 University of Southern California Los Angeles  
*Masters of Science, Industrial and Systems Engineering*

2003-2008 University of Texas, El Paso El Paso  
*Bachelors of Science, Civil Engineering*

## > Work Experience

2023- Present Surface Water and Drainage Department Manager Michael Baker Intl.  
*Stormwater and Energy*

Led the Surface Water and Drainage Department, developing business in the Municipal and Federal Markets in Southern California. Delivered master planning and PS&E projects of stormwater nature.

2020- Present Business Lead Weston Solutions, Inc  
*Stormwater and Energy*

Tasked with building the stormwater and renewable energy business in Southern California. Served industrial, federal, and municipal clients in meeting stormwater needs to include NPDES, IGP, and CGP. Wrote and responded to many request for proposals.

2017- Present Entrepreneur/Owner Chief Engineer Ten Developments LLP

Created and ran Ten Developments, a civil engineering firm specializing in stormwater engineering and infrastructure technology. <https://tendev.net>

2017- 2020 Stormwater Planning Division Associate Civil Engineer Los Angeles County Public Works

Developed feasibility for flood control projects. Project lead for the tightly scheduled Mint Canyon Channel Project as a joint venture with the City of Santa Clarita. Wrote the Use, Maintenance and Funding Agreement that established the partnership between the District and the City.

2008- 2017 Stormwater Engineering Division Associate Civil Engineer Los Angeles County Public Works

Developed comprehensive hydrology and hydraulics models for much of the Los Angeles Flood Control System. Developed HydroCalc, a MODRAT calculator, now the standard in LID and design calculations.

## › Project Experience

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### County of Ventura, Santa Clara River Levee Project

January 2023–September 2023

Engineer of Record

Principal in charge for the delivery of levee project to deliver PSE for earthen and concrete levee system in the Santa Clara River. Project required adoption and closing out of this complex, legacy Project.

[levee,flood improvements]

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### City of Norco, S. Norco Drainage Improvement Project

January 2023–Present

Engineer of Record

Principal in charge for the deliver of replacing an earthen channel with a reinforced concrete box. Required the resolution of complex stakeholder and environmental requirements. Found efficient solutions to resolve local drainage, MS4 Permit, and R/W issues.

[acoe,design,flood improvements]

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### Caltrans, Rincon Fish Passage

January 2023–Present

Project Manager

Project manager for the a engineered fish passage to cross the I10 near Capenteria CA. Conducted geomorphology studies to better inform Caltrans of maintenance and reliability performance of the proposed alternatives. Balanced regulatory requirements with design constraints to inform optimum system.

[caltrans,fish passage,environmental]

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### Rancho Mission Viejo, Line “A” Outfall Remedy

January 2023–Present

Engineer

Engineered a Type III US Bureau of Reclamation Stilling Basin. Included computer generated analysis and reporting allowing for efficient permutations in design, verification, and quality. Received praise for high quality and communicable deliverable.

[hydraulics,flood improvements]

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### March Air Reserve Base (ARB)

June 2022–August 2022

Engineer,QSD

Created a SWPPP for the March ARB Repair Grounding Discrepancies. The Project consisted of installing a ground system for several components to include receipt pumps, product recovery tank, filter, and receipt headers. This linear project is to consist of 140 to 190 feet of ground wire to connect these components to the ground control room.

[army,swppp]

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### Camp Lejeune PFAS Treatment

June 2022–July 2022

Technical Advisor

Camp Lejeune is a Marine Corps Base in North Carolina providing operations and support resulting in the use of fire fighting foam containing PFAS. The project consisted of conceptual and final design of a treatment system to extract PFAS from the surrounding soils and groundwater. Functioned as the technical advisor to support the multi stage treatment system, dewatering trench, and treatment outlet.

[pfas,federal]

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### Investigation Area H1, Annual Remedy Status Report (ARSR)

May 2020–Jun 2021

Engineer of Record

Engineer of record for the ARSR to Facilitate ongoing monitoring an maintenance of the Mare Island Post-Closure Care Plan, a process for decommissioning former military facilities thereby mitigating any environmental impacts. The site was located along the coastal watershed with severe environmental deficiencies to include hazardous waste. Weston has been involved with the containment of this hazardous waste since 2006, whereas, a bentonite containment barrier, gas and soils monitoring, and other assessments have been conducted by Weston ever since. Work was conducted under my supervision and was ultimately submitted to the NAVFAC.

[Regulatory, Contaminant]