

# Groundwater Technical Support Center

What is it and how can it help you?

*Randall Ross, Ph.D., Director*

Region 7

Regional Association of Remedial Project Managers



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# *Center for Environmental Solutions & Emergency Response (CESER, formerly NRMRL) Technical Support Centers*



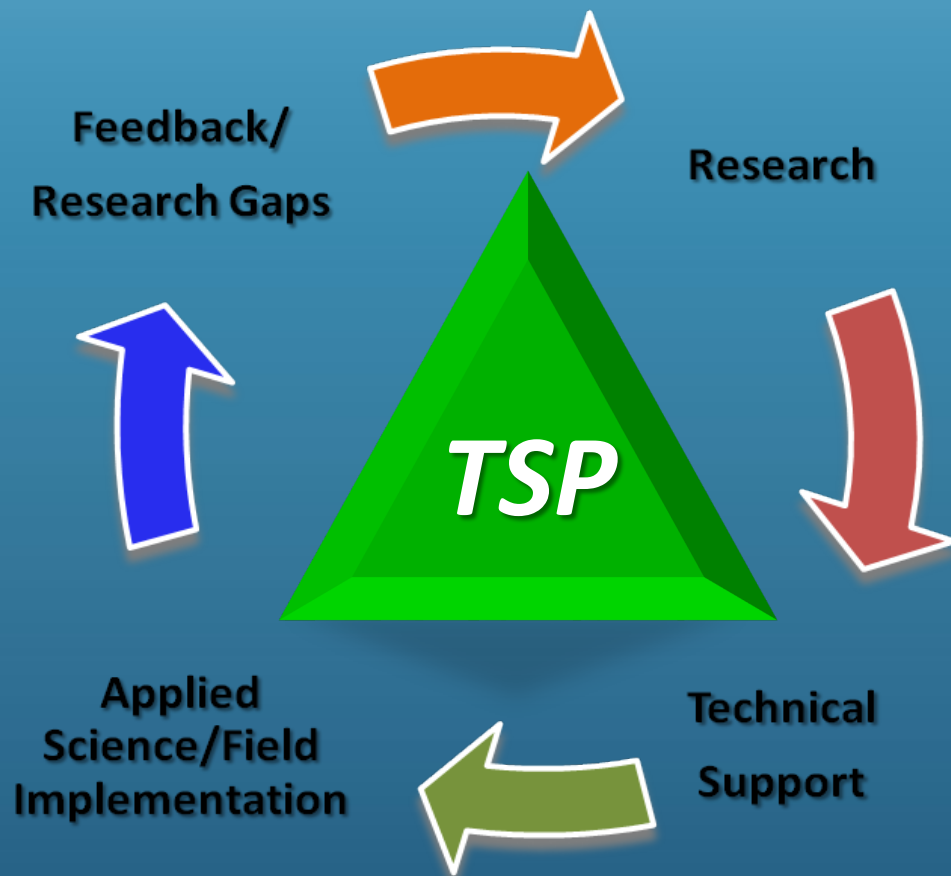
- **Technical Support Coordination Division**
  - Groundwater (GWTSC) - rrr
  - Engineering (ETSC) Robert Ford, PhD
  - Site Characterization (SCTSC) Felicia Barnett
  - Ecological Risk Assessment (ERASC) Mike Kravitz

# *Groundwater Technical Support Center*



## **GWTSC Mission:**

Link ORD science to real world applications and identify research gaps to be addressed through applied research.



# GWTSC



- ❖ Technical assistance to decision makers on CERCLA, RCRA, Brownfields, ecosystem restoration and other issues
- ❖ Guidance on site characterization investigations, remedial investigations, feasibility studies, and the identification and selection of remedial alternatives





# GWTSC



- ❖ Support the identification and selection of appropriate environmental modeling applications and review modeling efforts
- ❖ Oversight assistance in the design, testing, implementation, and evaluation of new and innovative technologies to treat contaminated soils and groundwater and to restore sensitive ecosystems

# ***GWTSC Team***



- ❖ Groundwater Characterization & Remediation Division (GCRD)
- ❖ Technical Support & Environmental Restoration Branch (TSERB)
- ❖ Subsurface Remediation Branch (SRB)
  
- ❖ Expertise within the Division includes:
  - Hydrogeology; Environmental Engineering; Soil Science; Geochemistry; Ecology; GW/SW Interactions; Environmental Science; Microbiology; Hydrologic & Physical Science Field Support**

# GWTSC In-House Expertise



Steve Acree – Hydrogeology, Capture Zone Evaluation

Michael Brooks, Ph.D. – DNAPLs, Back Diffusion, PFAS

Eva Davis, Ph.D. – Thermal Remediation

Ken Forshay, Ph.D. – Ecosystem Restoration

Scott Huling, Ph.D. – DNAPLs, ISCO, PFAS

Steve Hutchins, Ph.D. – Microbial Processes, CAFOs

Ralph Ludwig, Ph.D. – PRBs; Organics & Inorganics

Randall Ross, Ph.D. – Hydrogeology, GW/SW Interactions

Chunming Su, Ph.D. – Nanoparticle Transport; BioChar

Rick Wilkin, Ph.D. – PRBs; MNA-inorganics; Stable Isotopes

# GWTSC Contract Support



- ❖ STREAMS III Contract  
Task Order with Eastern Research Group (ERG)



- ❖ Provide supplemental expertise to the EPA GWTSC Team.
  - Expertise includes Hydrogeology, Microbiology; Environmental Engineering; Groundwater Modeling; Field Support
- ❖ Access to additional expertise via subcontractors and expert consultants

**Requires increased lead time.  
Plan accordingly.**





# *Requesting Technical Support*

## Contact ORD STLs



**Region 1 – Jan Szaro**, [szaro.jan@epa.gov](mailto:szaro.jan@epa.gov)

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