

Groundwater/Surface Water Interactions and Evaluating Impacts of Contaminated Groundwater Discharges: Tools, Ecological Risk, and Case Studies

Day 1: August 14

Time	Presenter	Duration (mins)	Description of Talk
9:00 - 9:45	Conant	45	Overview of Groundwater/Surface-Water Interactions: Processes Affecting Discharging Groundwater Contaminant Plumes
9:45 - 10:15	Conant	30	A Framework for Conceptualizing GW/SW Interactions and Impacts on Water Quality, Quantity, and Ecosystems
10:15 - 10:30	Break	15	
10:30 - 11:15	Conant	45	Hydrogeological Tools for Characterizing GW/SW Interactions: GW Discharge and Flow
11:15 - 12:00	Briggs	45	Integrating surface geophysical methods into multi-scale investigations of groundwater/surface water exchange
12:00 - 1:15	Lunch	75	
1:15 - 2:30	Conant	75	Using Temperature-as-a-Tracer Methods to Characterize Groundwater/Surface Water Interactions
2:30 - 2:45	Break	15	
2:45 - 3:30	Duncan	45	GW/SW Interactions: Ecological Risk Assessment Approaches, Tools, and Recent Advances
3:30 - 4:30	Conant	60	Rookie Mistakes in Hydrogeology: Things to do and NOT do

Day 2: August 15

9:00 - 9:45	Conant	45	Hydrogeological Tools for Characterizing Porewater Concentrations in the Transition Zone
9:45 - 10:15	Conant	30	A PCE Groundwater Plume Discharging to a River: Influence of the Near-River Zone
10:15 - 10:30	Break	15	
10:30- 11:00	Ohl/Conant	30	Rapid Multi-Scale Assessment of a Benzene Plume Discharging into Lake Michigan and its Impacts on the Remedy
11:00 - 11:25	Repasky	25	Supplemental Sampling to Assess Fluoride Discharges to Two Rivers - Reynolds Metals Company Site, Oregon.
11:25 -11:50	Fuentes	25	Solvents and High pH Groundwater Discharging to a Tidally Influenced Marine Waterway, Commencement Bay, Washington
11:50 -1:05	Lunch	75	
1:05 - 1:35	Conant	30	Remediation of Groundwater Plumes Discharging to Surface Water: Potential Problems and Challenges
1:35 - 2:05	Ohl	30	Remediation and Performance Monitoring of a Benzene Plume Discharging into Lake Michigan
2:05 - 2:20	Break	15	
2:20 - 3:30	Conant	70	Case Study - Application of the GW/SW framework to a contaminated site - North Pole Refinery, Alaska
3:30 - 3:45	Break	15	
3:45 - 4:30	ALL	45	Open Discussion - Participants ask questions about their own sites