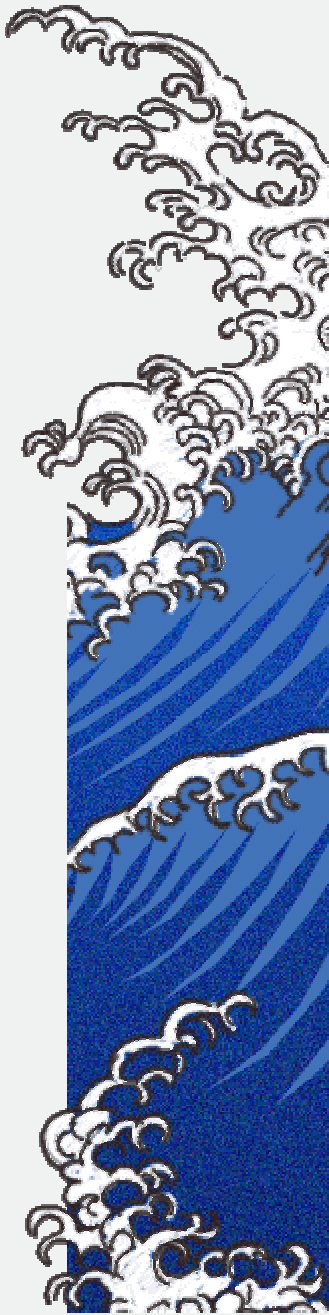
GW SW Interaction Document Update

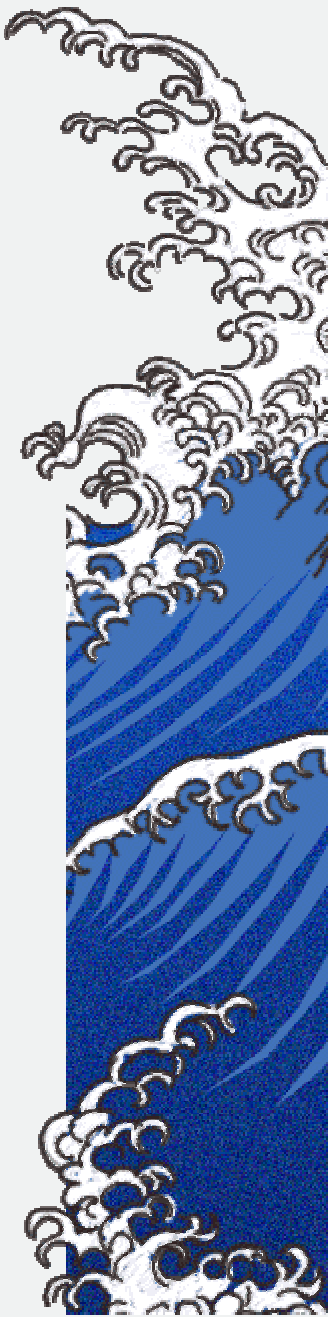
Nancy R. Grosso

DuPont Corporate Remediation Group



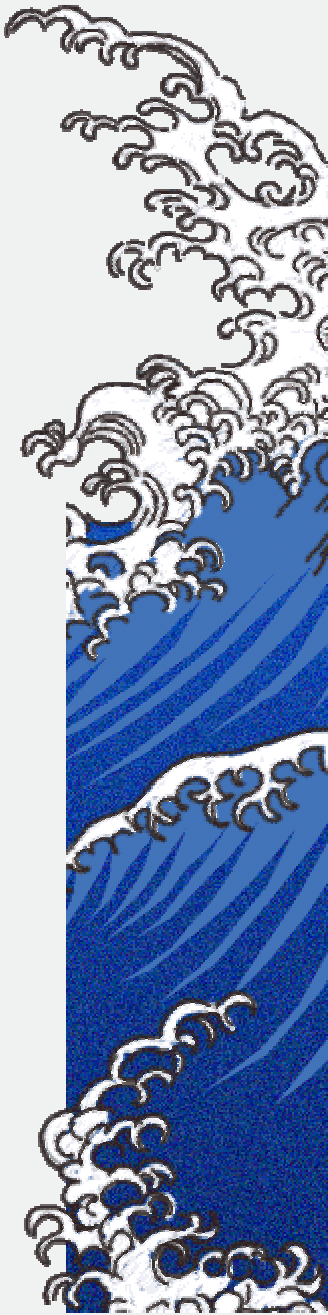
RTDF GW-SW Interaction Document

- *Product of a Sub-team tasked with capturing the main technical discussion items of 2002 Workshop and organizing in a useable format*
- *Summarizes technical issues for which consensus was reached*
- *Highlights issues requiring further discussion*



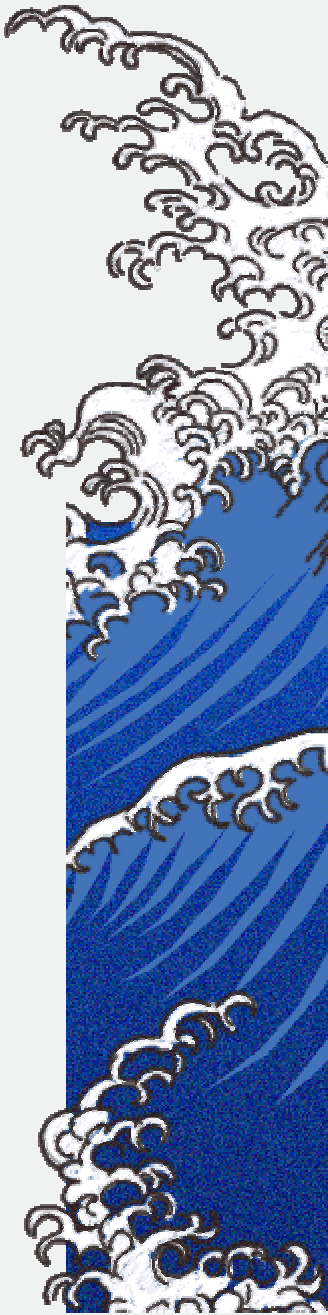
RTDF GW-SW Interaction Document Sub-team Members

- Peter Adriaens — University of Michigan
- Bruce Ducncan — US EPA Region 10
- Nancy Grosso — DuPont CRG
- Bob Maxey — US EPA Region 3
- Farukh Mohsen — Gannett Fleming
- Ralph Stahl — DuPont CRG
- Bernie Zavala — US EPA Region 10



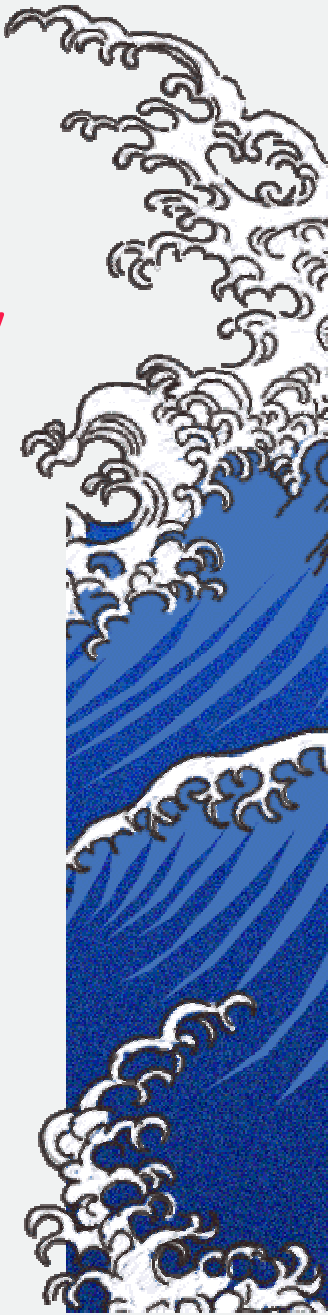
Goals of the GW SW Workshop

- *Develop conceptual models that can be used for risk-based assessment and remediation*
- *Identify pragmatic tiered approaches to evaluate impact*
- *Identify areas of consensus among disciplines*
- *Identify remediation technologies*



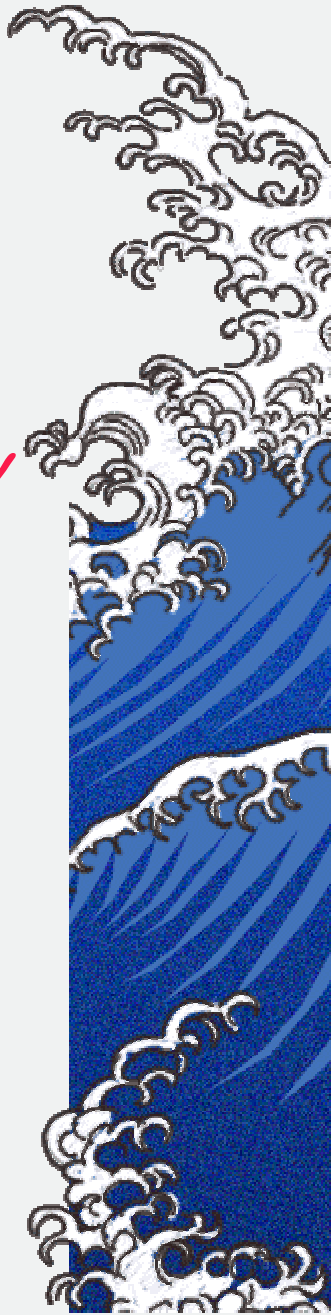
Some Areas of Consensus

- *Development of a sound conceptual model is key to the evaluation of the system*
- *Several conditions, including physical and biochemical processes, affect the fate and transport of contaminants from groundwater to surface water*
- *Because of spatial variability, the scale of investigation is important and should be dictated by the questions posed*



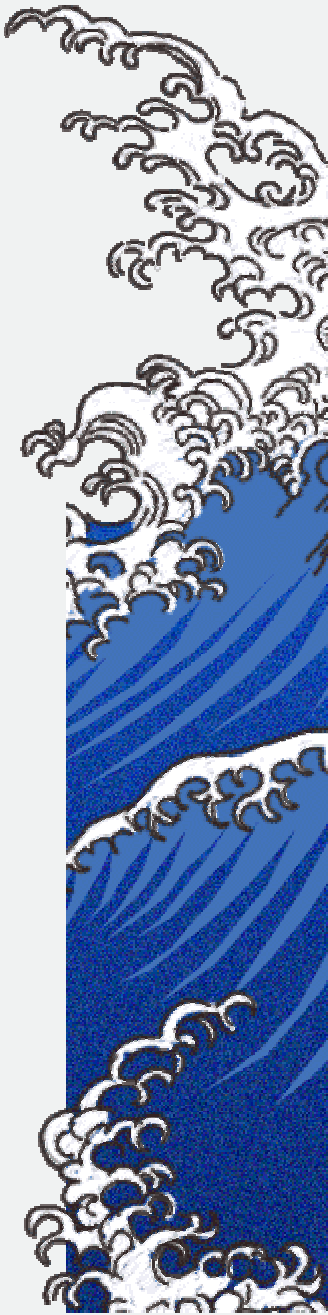
Main Technical Issues Requiring Further Discussion

- *How to approach evaluation at a site where no impact is apparent and only GW quality data are available.*
- *How to approach evaluation when multiple inputs are likely*
- *How to assess in large tidal and estuarine settings where watershed-scale problems are likely*



Attachments expand on Technical Issues

- *Attachment A - Highlights of the CSM Development Discussion*
- *Attachment B - Tiered Approach to Data Evaluation using a Weight of Evidence Screen*
- *Attachment C - Physiochemical Properties that Affect Inorganic Sorption to Sediments*



Status of Document

- *Final draft out for review by RTDF members who attended the workshop.*
- *Comments are due by February 20*
- *Final document to be posted on RTDF website*
- *Possible note in peer reviewed journal*