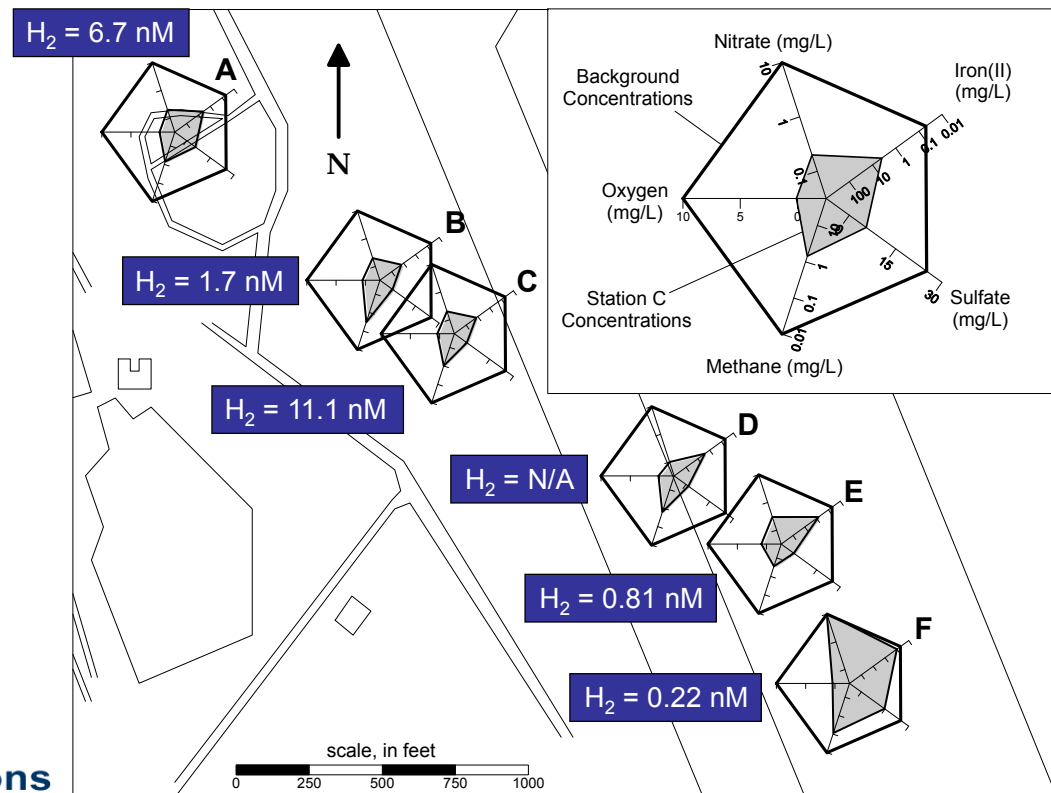


In-Situ Remediation (ISR-MT3DMS™) Radial Diagrams



Introduction

- Radial diagrams are useful for viewing output from multispecies transport models for three reasons:
 1. The modified radial diagram approach, as used in VisualBio™, more easily conveys where biodegradation is occurring in groundwater, relative to individual electron acceptor plots;
 2. It is more easy to visualize ratios of parent and daughter products relative to reviewing individual contour figures; and
 3. More easy to compare model vs. field observations.

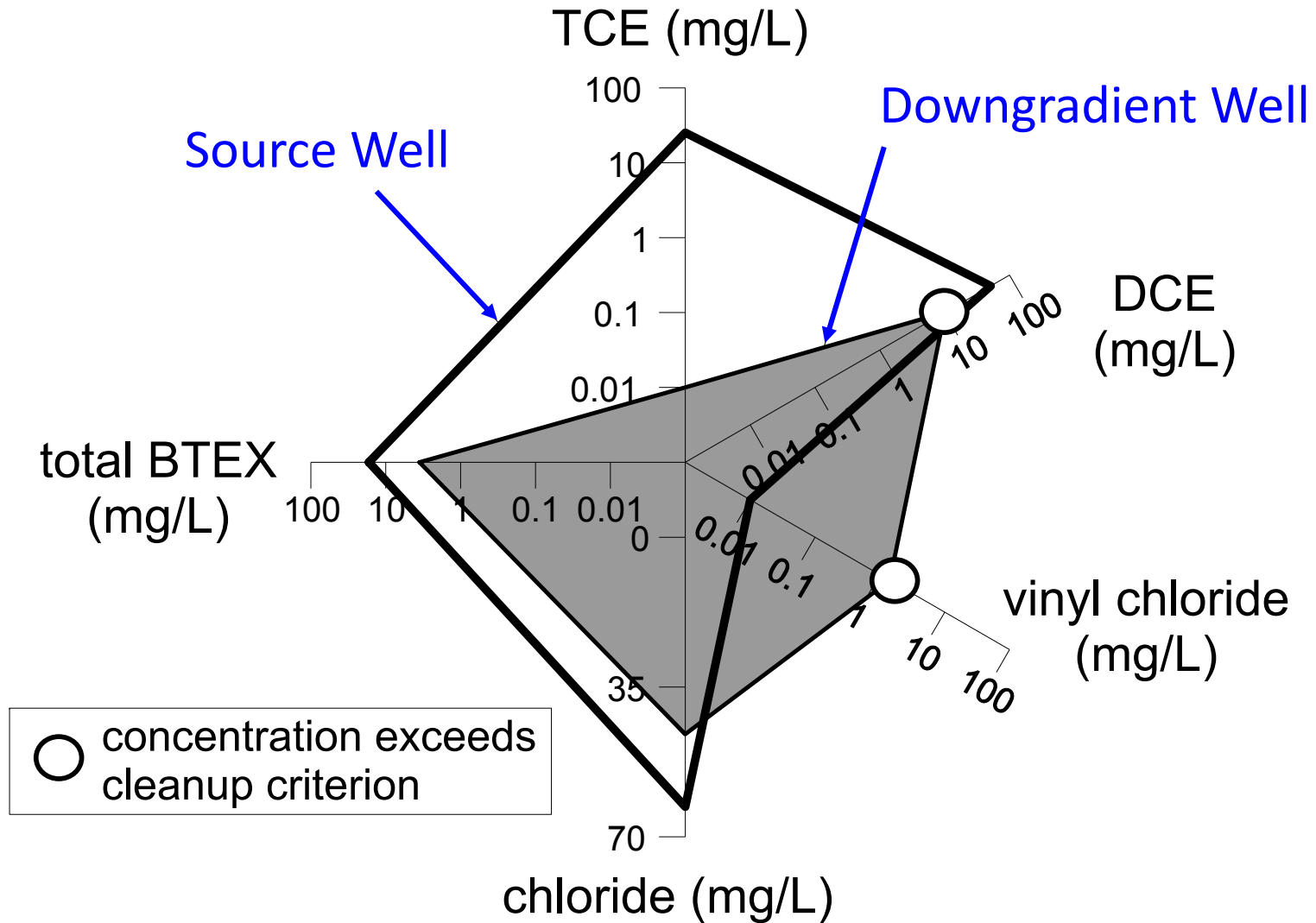


Introduction

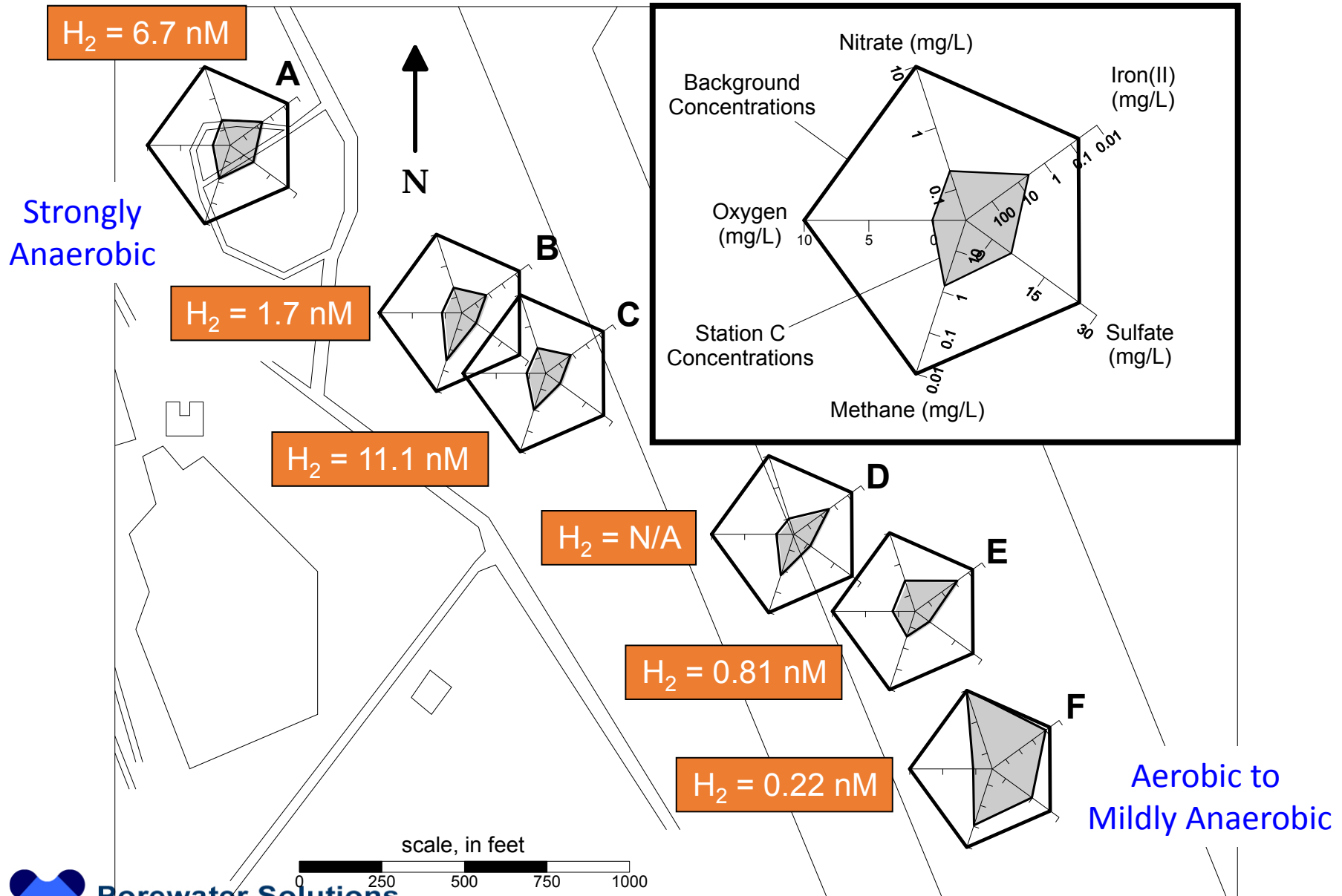
- To facilitate the use of radial diagrams for plotting model output and/or field observations, the ISR-MT3DMS™ model has been integrated with the VisualBio™ visualization software.
- Users specify which solutes from the model are to be used, provide field observations (if applicable), and specify properties for the radial diagrams using the VisualBio™ input files.
- The ISR-MT3DMS™ code then accesses the model output files and creates DXF files with radial diagrams that may be viewed in AutoCad, GIS, or Golden SURFER software.



Example of a VisualBio™ VOC Diagram



Example of a VisualBio™ Redox Diagram



Example Comparison – Model vs. Field

