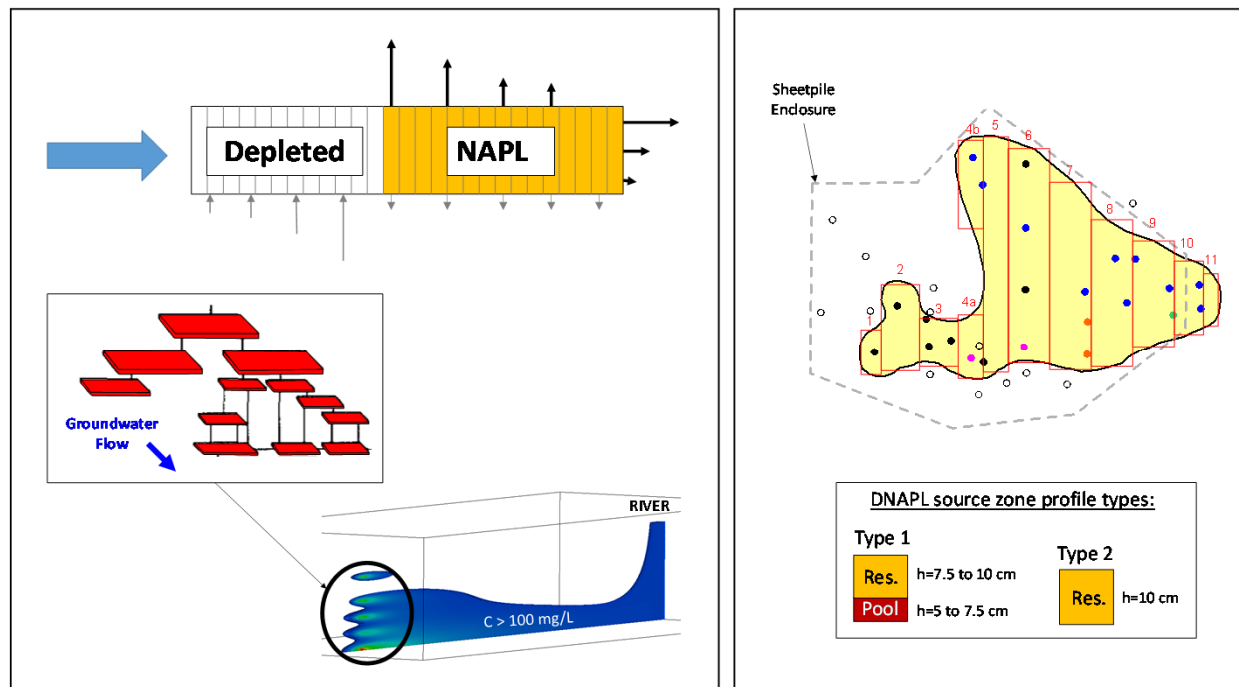


In-Situ Remediation (ISR-MT3DMS™) Integration with the NAPL Depletion Model



Introduction

- The NAPL Depletion Model (NDM) is a simple screening model for evaluating relative timeframes of natural and enhanced dissolution in NAPL source zones.
- NDM predicts mass discharge over time for user-defined NAPL source zones
- ISR-MT3DMS™ incorporates the NDM screening model so that users have the option of explicitly modeling natural or enhanced NAPL depletion as the time-varying source term for a transport model.



Example Relative Timeframe Evaluation

Time to attain Md reduction goal

EISB: 11 years

SP&T: 17 years

MNA: 28 years

