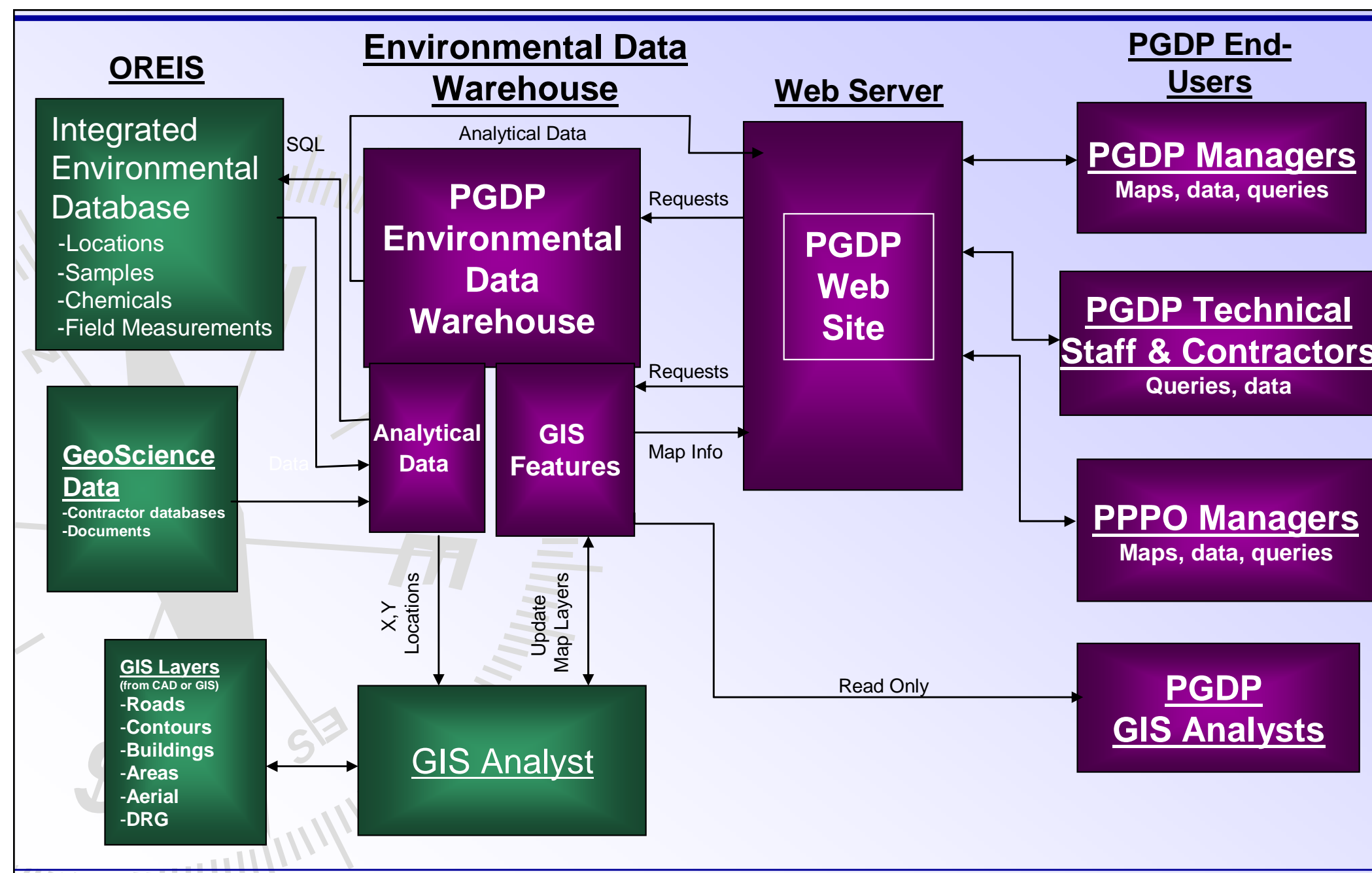


# PGDP Data Warehouse Project

Web-based GIS interface for OREIS-PGDP environmental data, geospatial data, & geotechnical data

PIs: Dave Korn (SAIC), Steve Cordivola (UK-KGS), Steve Hampson (UK-KRCEE)

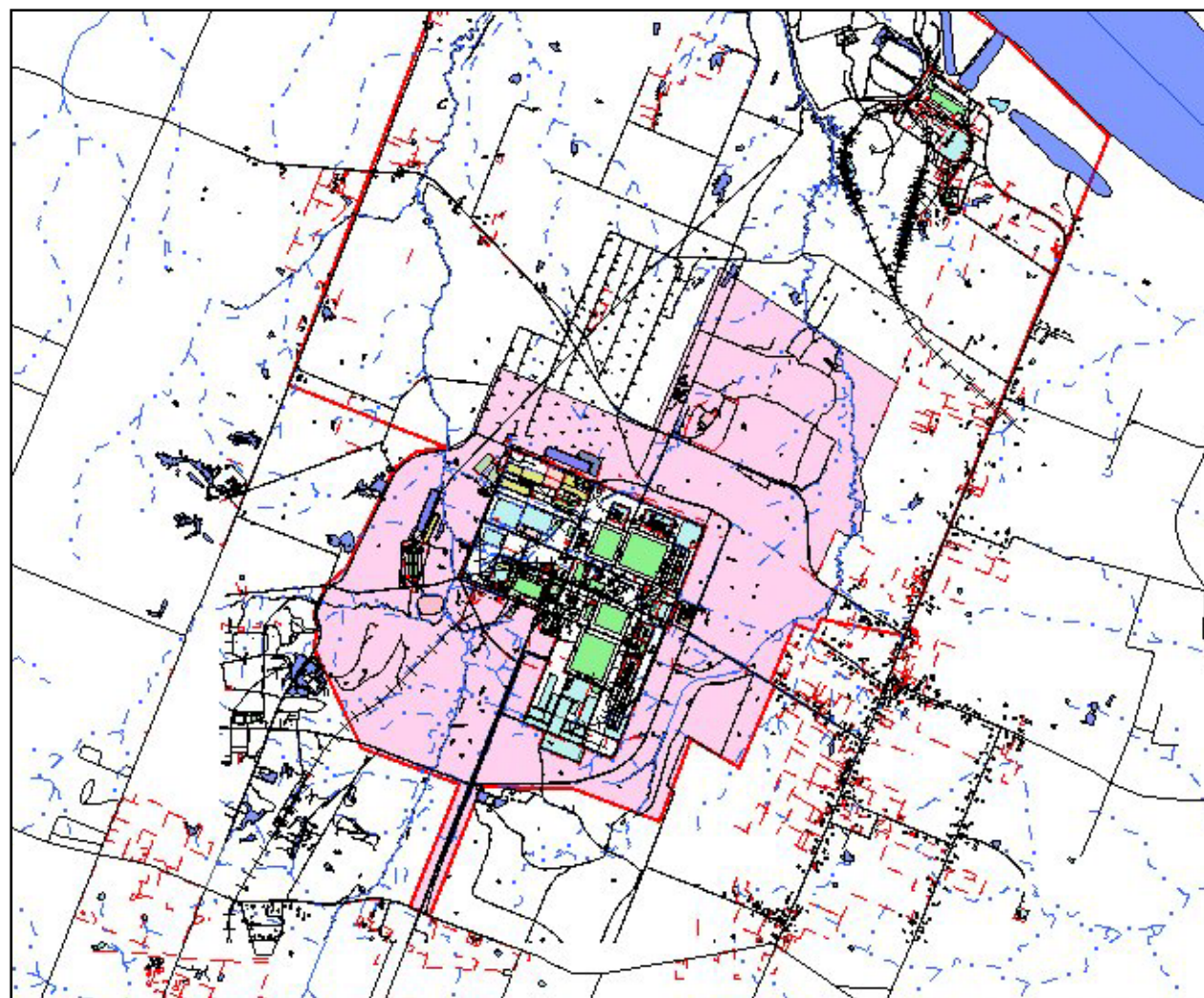


Conceptual Model

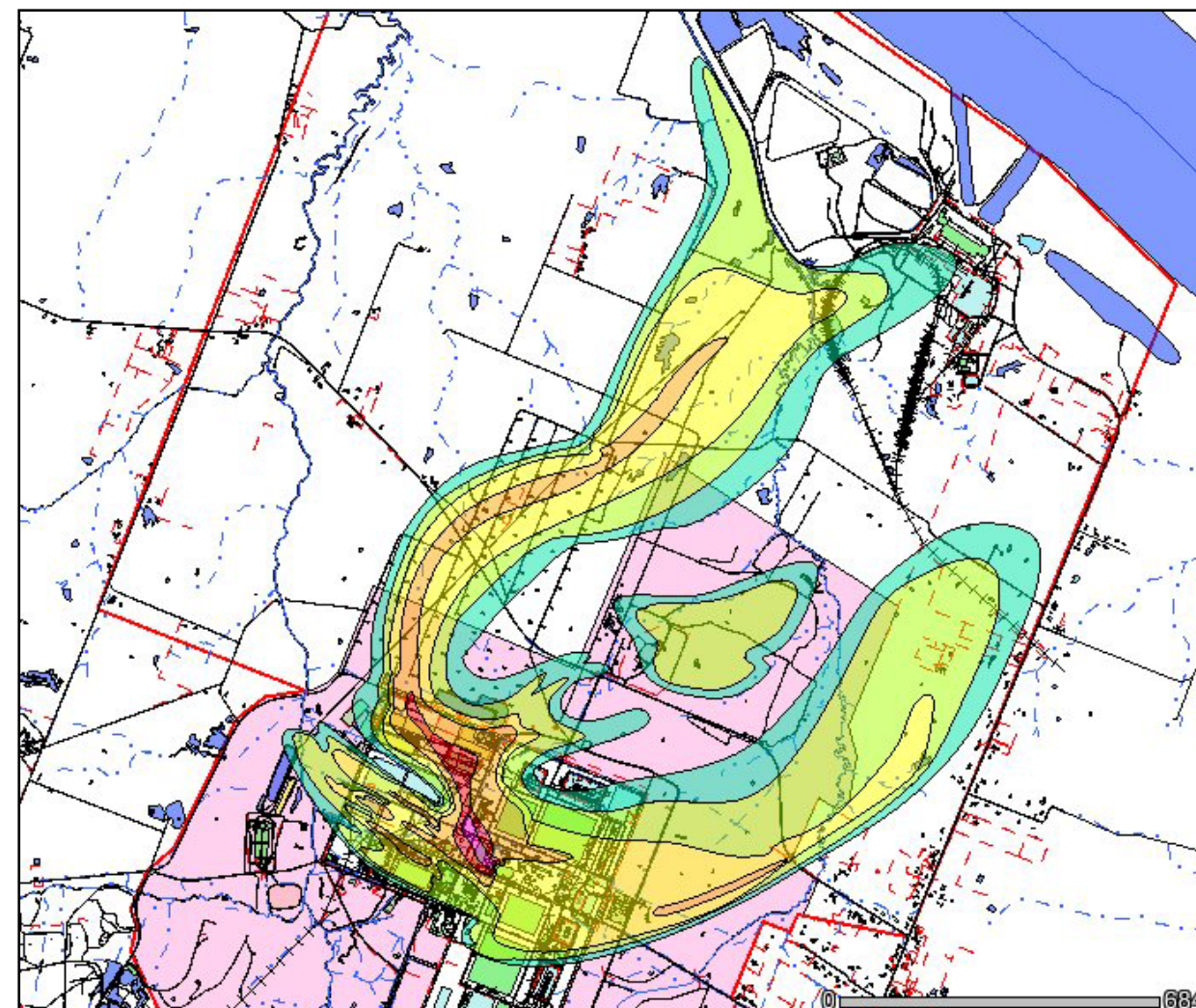
## Data Warehouse Components & Features

- 2.1 million OREIS laboratory & Field Measurement data records
- 140+ GIS layers/features for PGDP & Vicinity

GIS Interface Basemap showing DOE Property Boundary, PGDP facility & environs

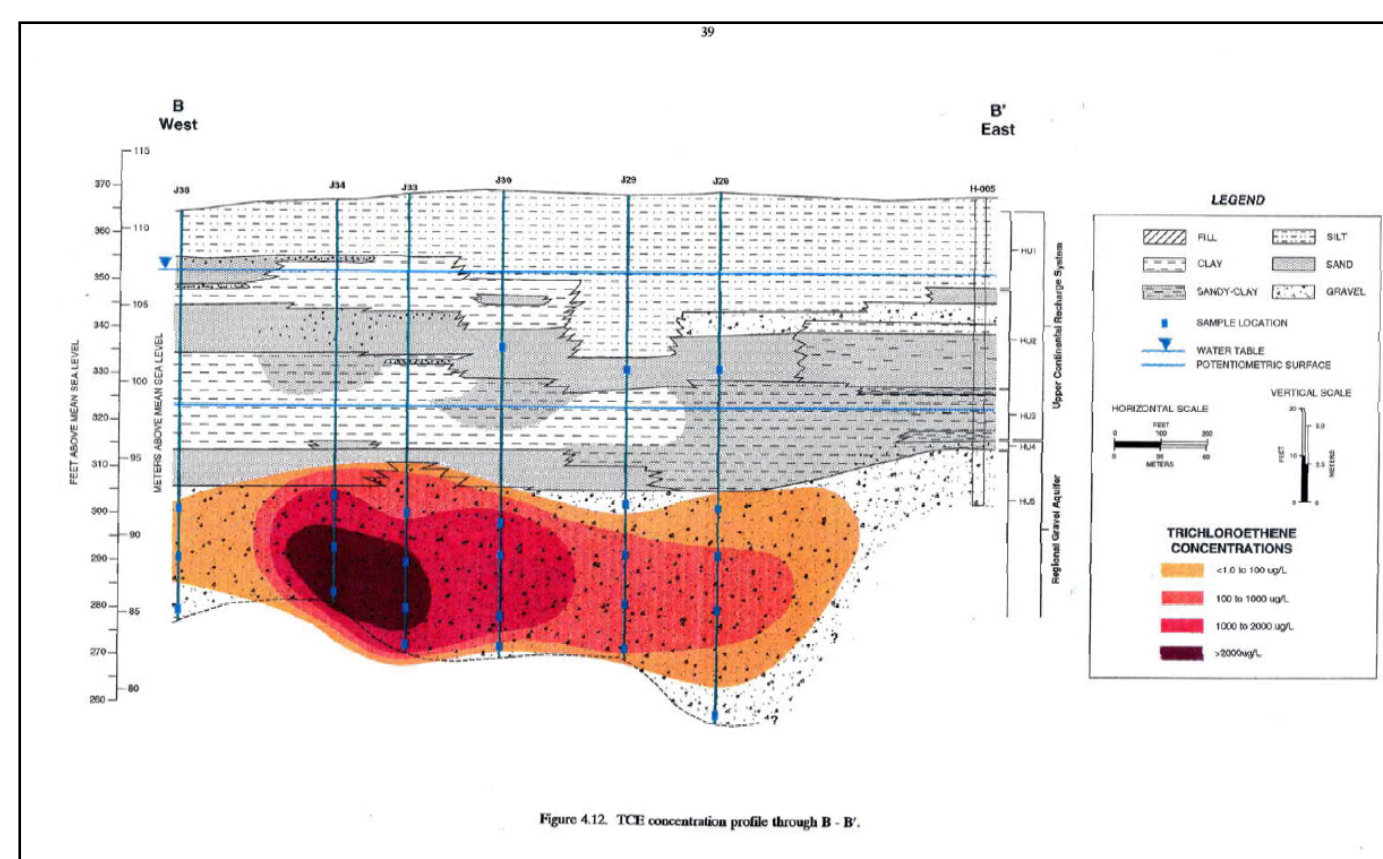
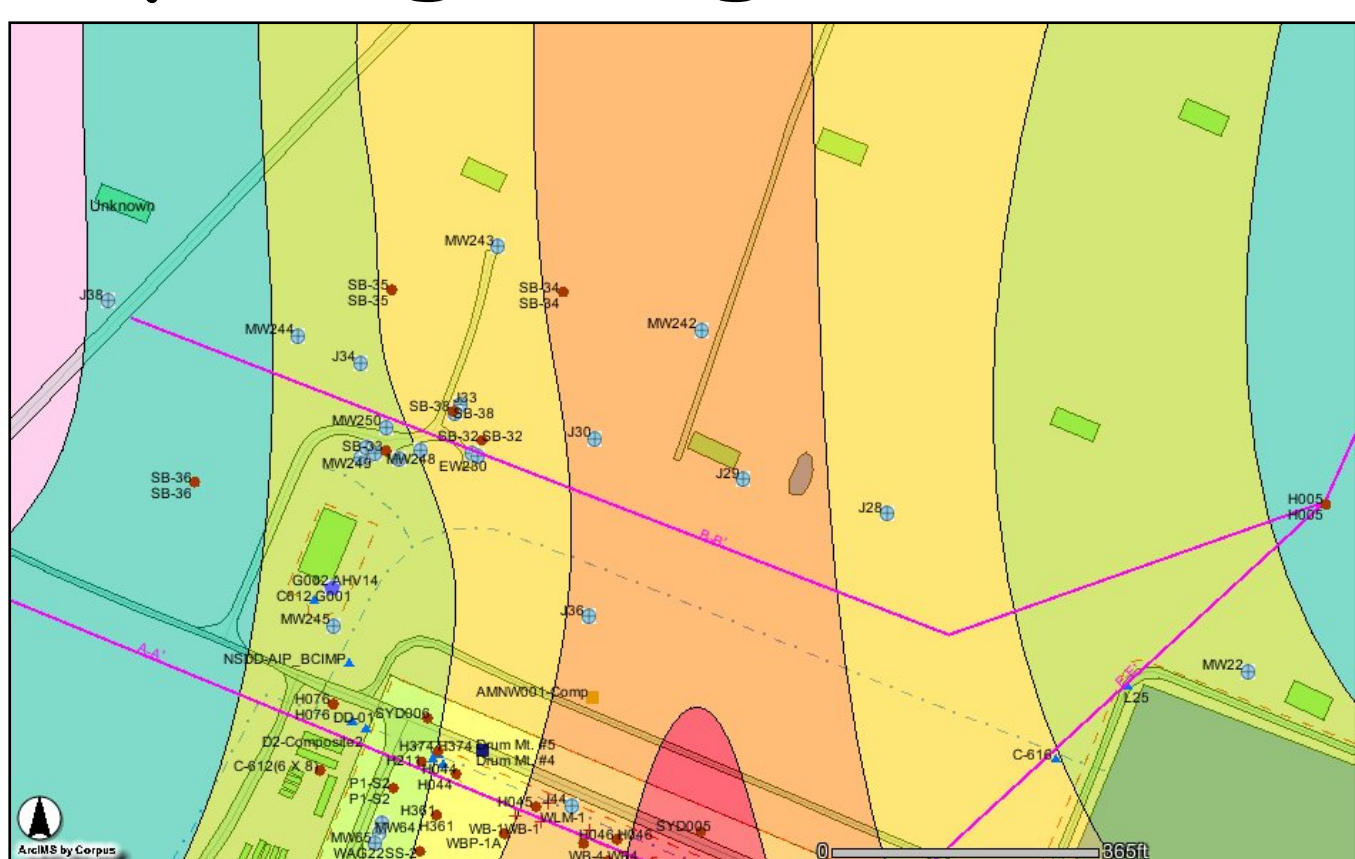


Annual TCE (& Tc-99) Plume Extent Feature Layers (2004 TCE shown)



- Geologic/Hydrogeologic Cross-sections from Site Investigations

Geologic/Hydrogeologic Cross-section Feature Layer

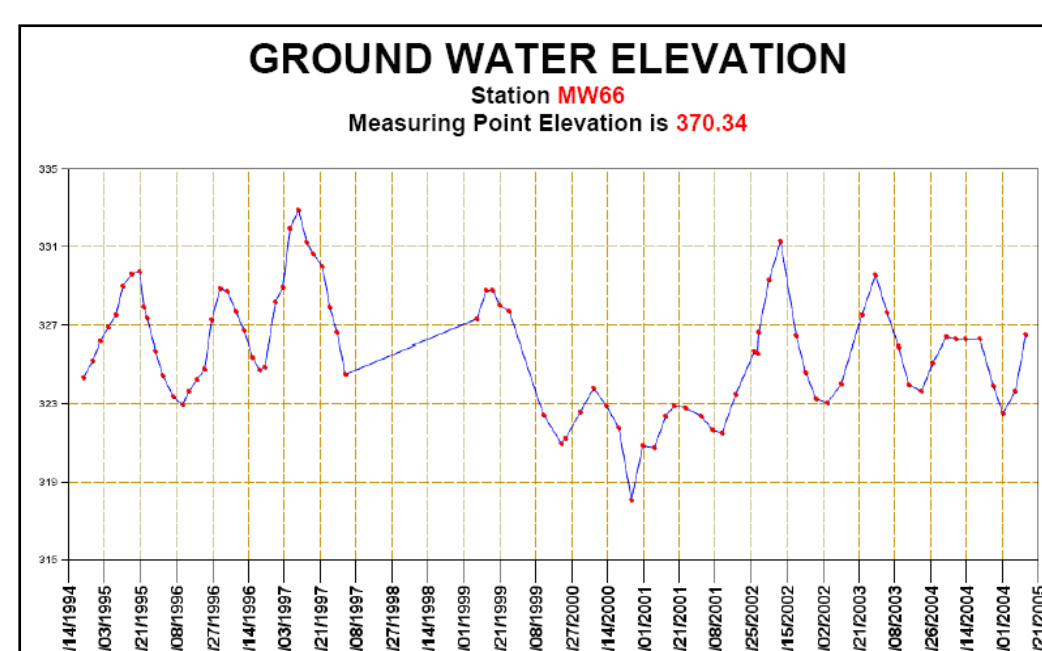


Geologic/Hydrogeologic Cross-section B-B' downloaded from Data Warehouse

- 12,500 groundwater elevation records

Groundwater elevation data available from GIS interface

	Station Name	Date Measured	Measuring Point Elevation	Ground Water Elevation	Water Depths
Temporal Plot	MW66	01/12/1995	370.34	324.34	46.00
Temporal Plot	MW66	02/15/1995	370.34	325.24	45.10
Temporal Plot	MW66	03/16/1995	370.34	326.19	44.15
Temporal Plot	MW66	04/19/1995	370.34	326.89	43.45
Temporal Plot	MW66	05/16/1995	370.34	327.55	42.79
Temporal Plot	MW66	06/15/1995	370.34	328.96	41.38
Temporal Plot	MW66	07/18/1995	370.34	329.64	40.70
Temporal Plot	MW66	08/16/1995	370.34	329.75	40.59
Temporal Plot	MW66	09/05/1995	370.34	327.89	42.45



Temporal plots of groundwater elevation data readily available from GIS interface

- 2 meter digital elevation model, 2 meter hill shade rasters
- 900+ GIS-retrievable boring & well logs

