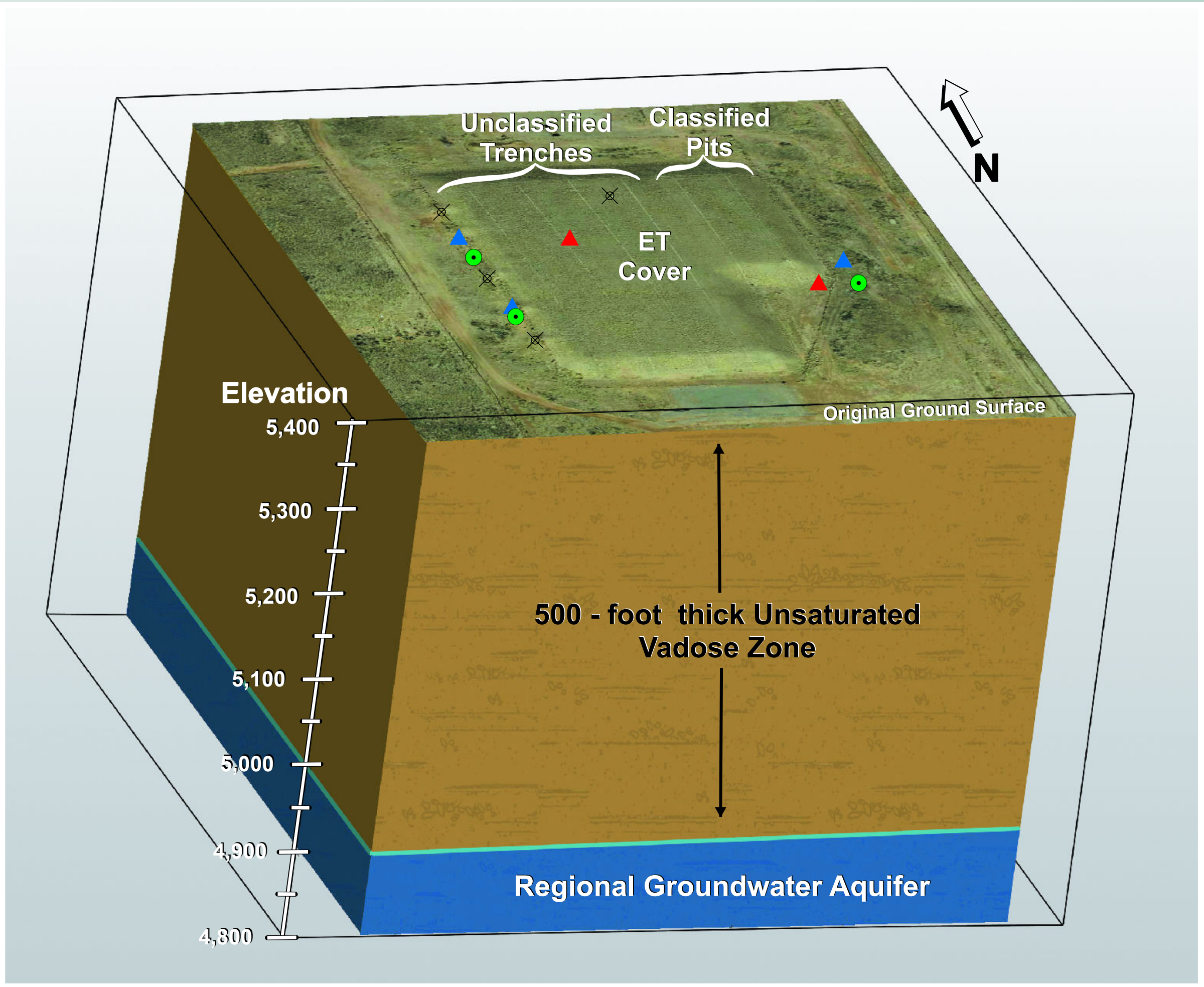
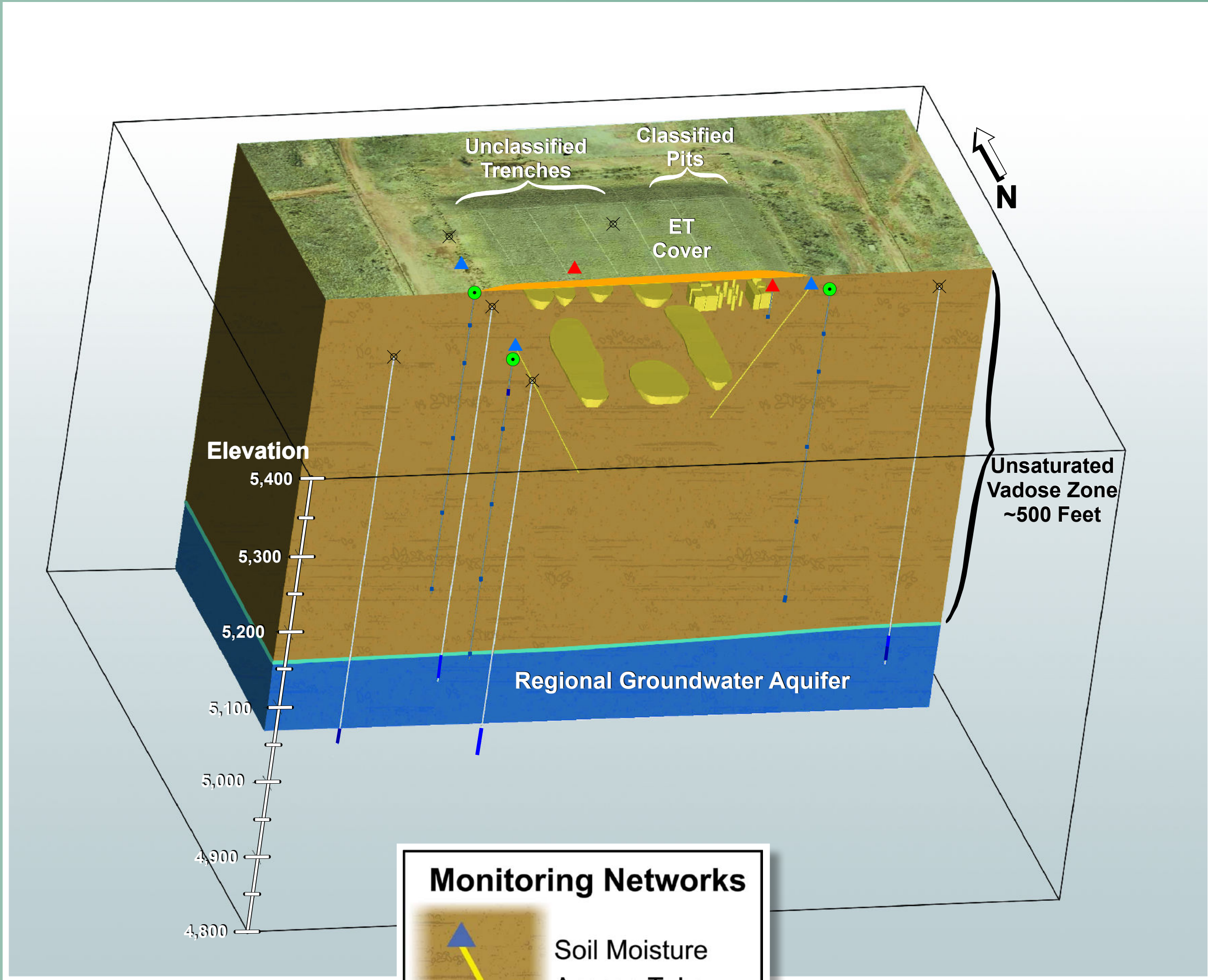


Long-Term Protection of Groundwater, Human Health, and the Environment



- **Evapotranspirative (ET) cover** = physical barrier that isolates the disposal areas from:
 - > Human and animal intrusion
 - > Precipitation infiltration/percolation
- **500 - foot thick, dry unsaturated (vadose) zone barrier** between disposal areas and regional groundwater aquifer
- **Inspection & maintenance of ET cover** to ensure performance
- **Monitoring of vadose zone** to protect regional groundwater

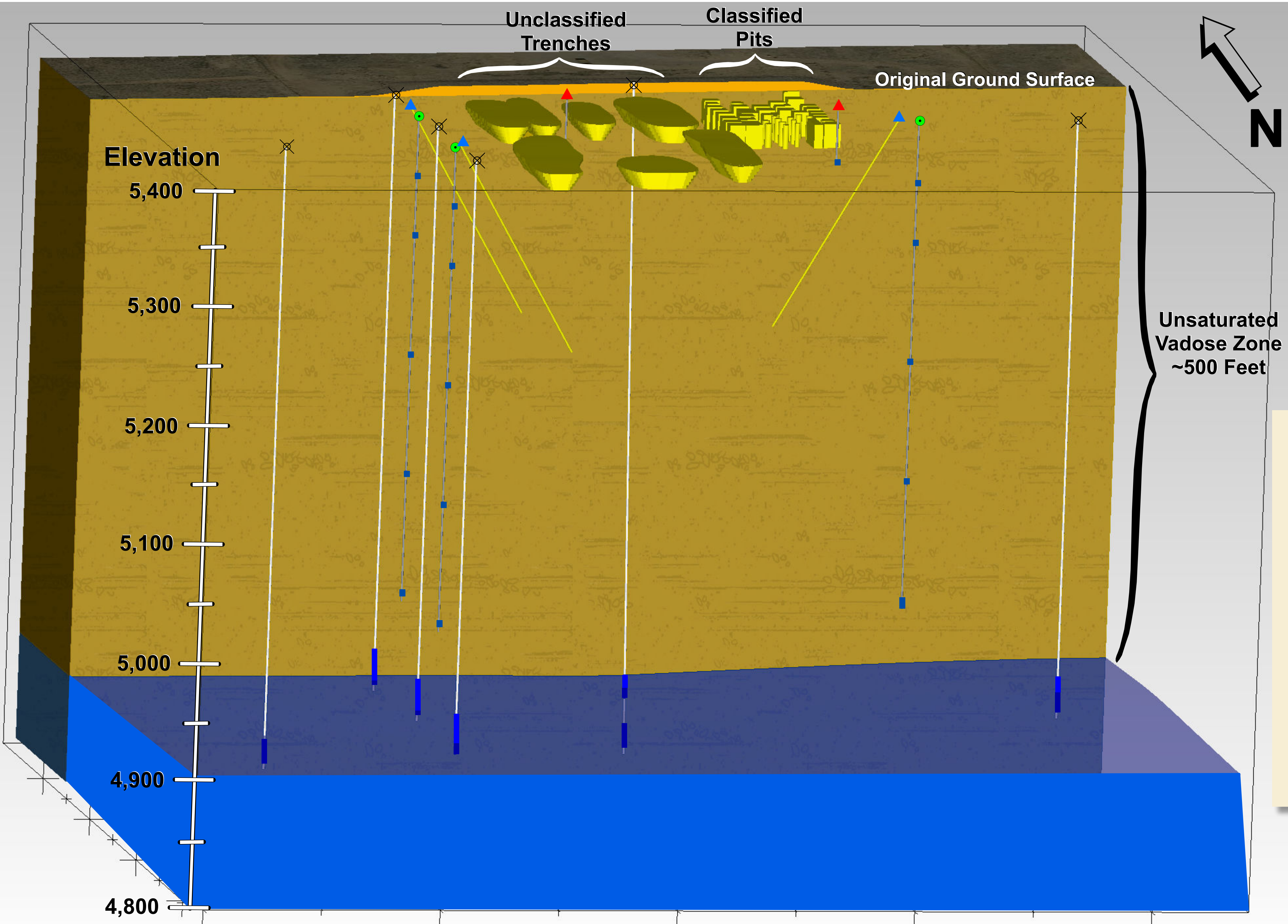
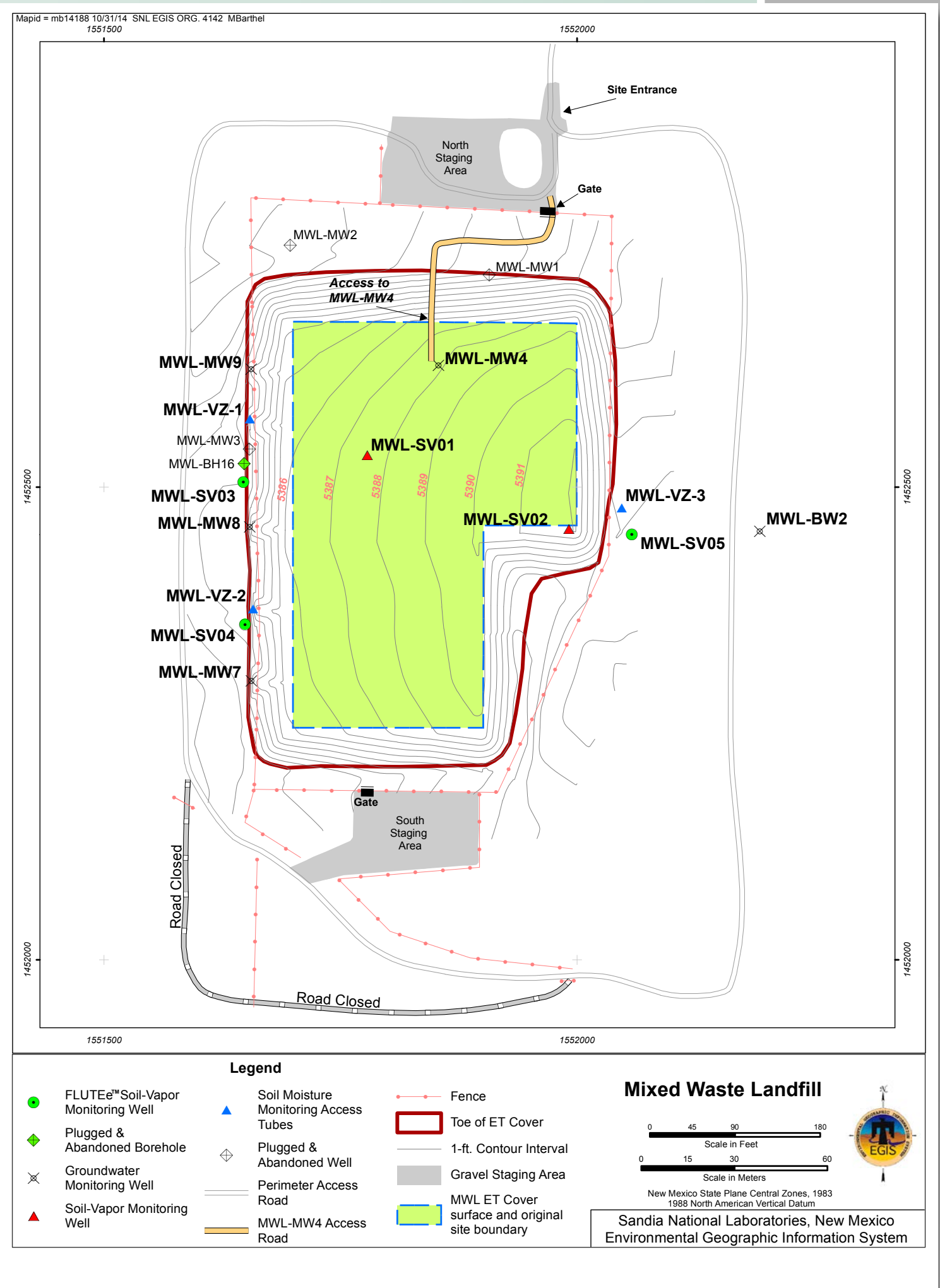


Monitoring Networks

- Soil Moisture Access Tube
- Soil-Vapor Monitoring Well
- Groundwater Monitoring Well

= sampling point

= well screen



- 3 Monitoring Networks = Early Detection**
- 1) Soil moisture beneath ET cover & disposal areas
 - 2) Soil-vapor monitoring from 40 to 400 feet (17 sampling ports)
 - 3) Groundwater monitoring of uppermost part of regional aquifer