

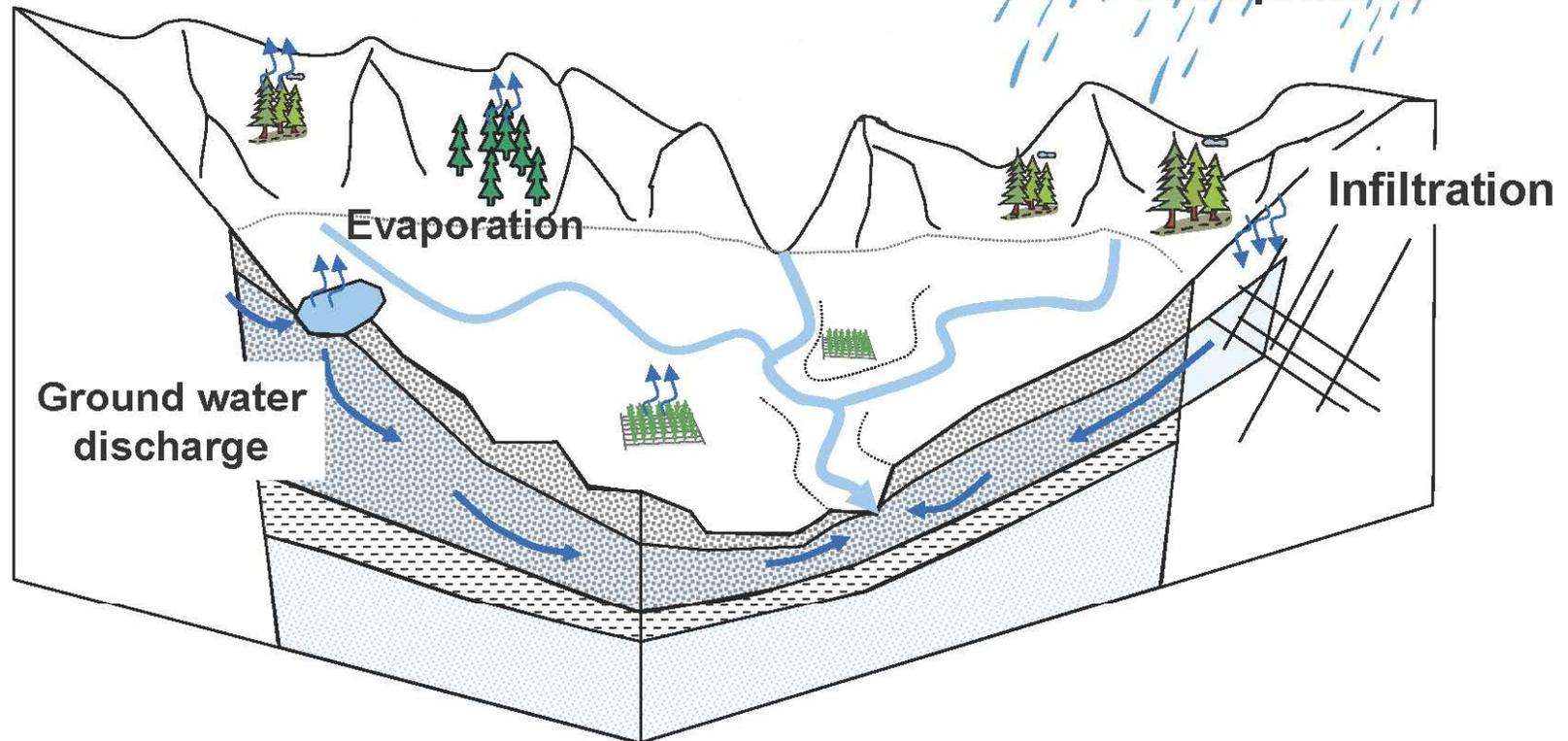
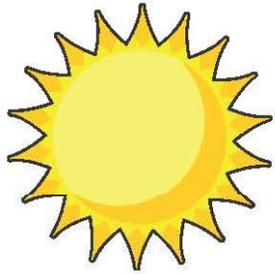
Operational Range Assessment Program (ORAP)

- Proactive Department of Defense (DOD) initiative to identify any issues with munitions constituents of concern (MCOCs) migrating off operational ranges so DOD can address them before they become a bigger issue threatening human health or the environment and training
- DOD is requiring all Services to complete assessments
- The ORAP is the Army's effort to satisfy this DOD requirement.

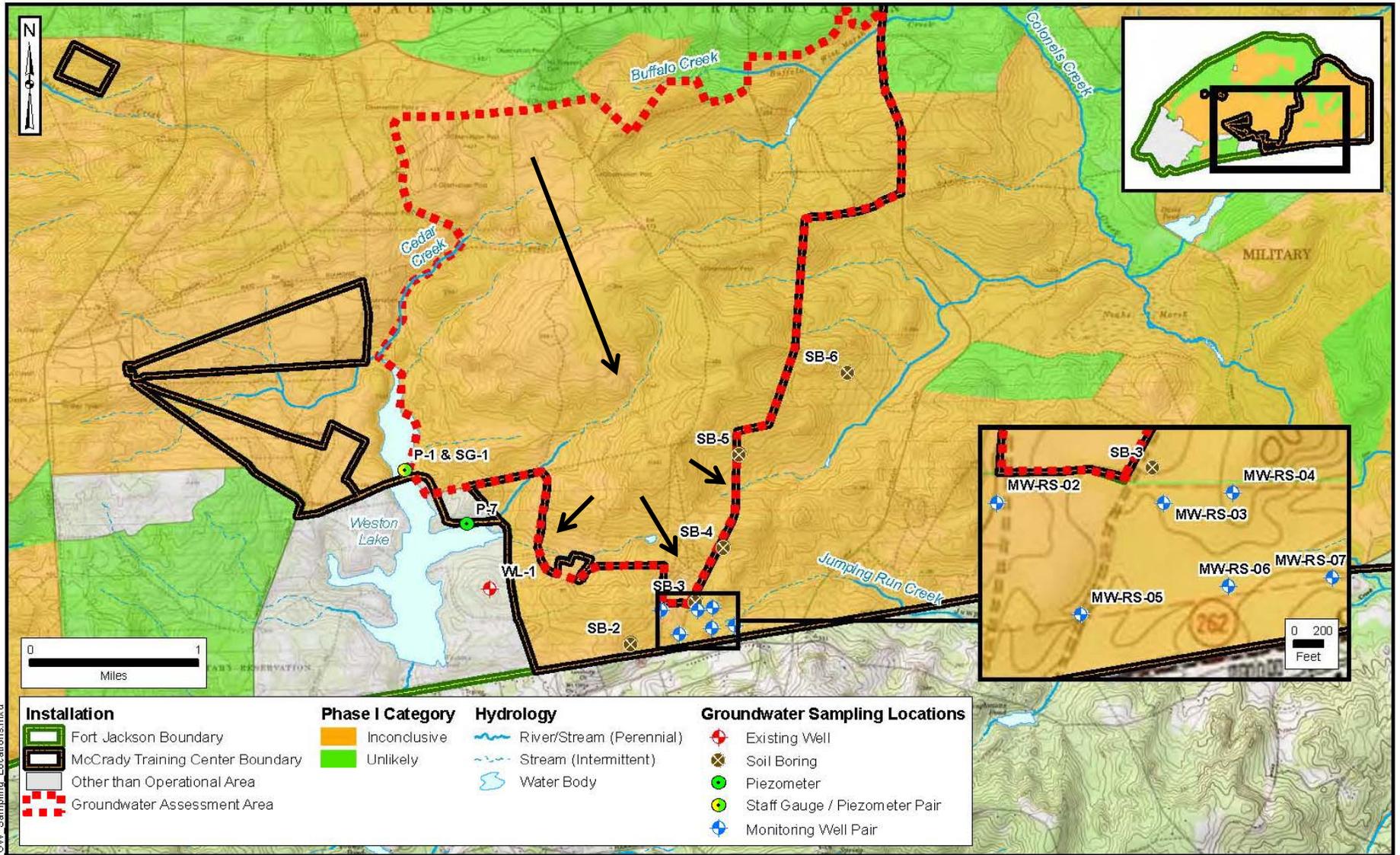
Army's ORAP

- ORAP applies to Army Installations with operational ranges within the U.S. and its territories. This began with 425 installations and >10 million acres.
- Phase I Assessment was conducted at Fort Jackson and McCrady Training Center from 2006-2008. Used readily available information to determine if potential MCOC sources, migration mechanisms, and human and/or sensitive ecological receptors were present.
- Phase II Assessment included groundwater sampling around the East Impact Area near the installation's southern boundary.

How Does Ground Water Connect with Surface Water?

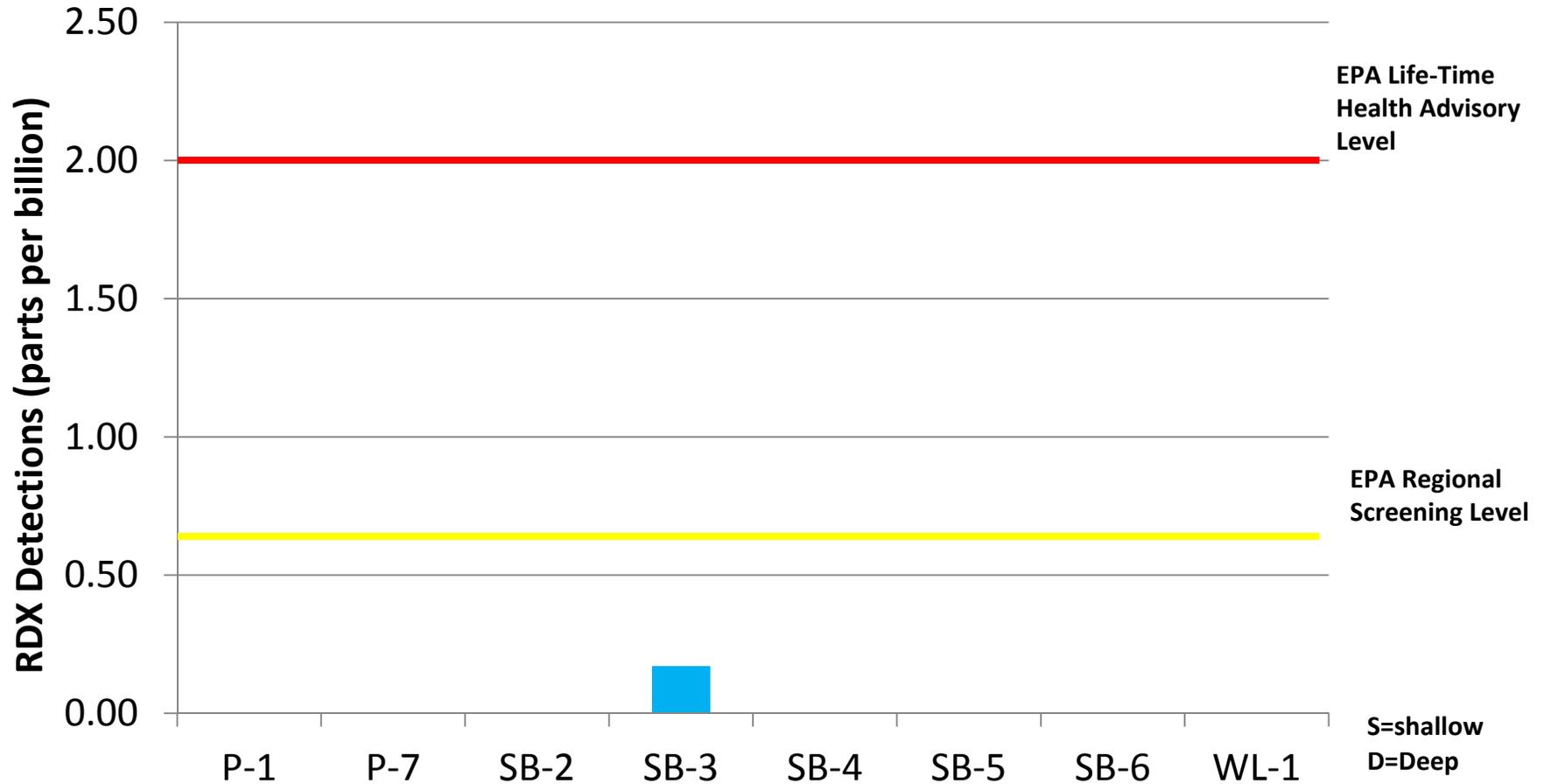


Groundwater Sampling Locations

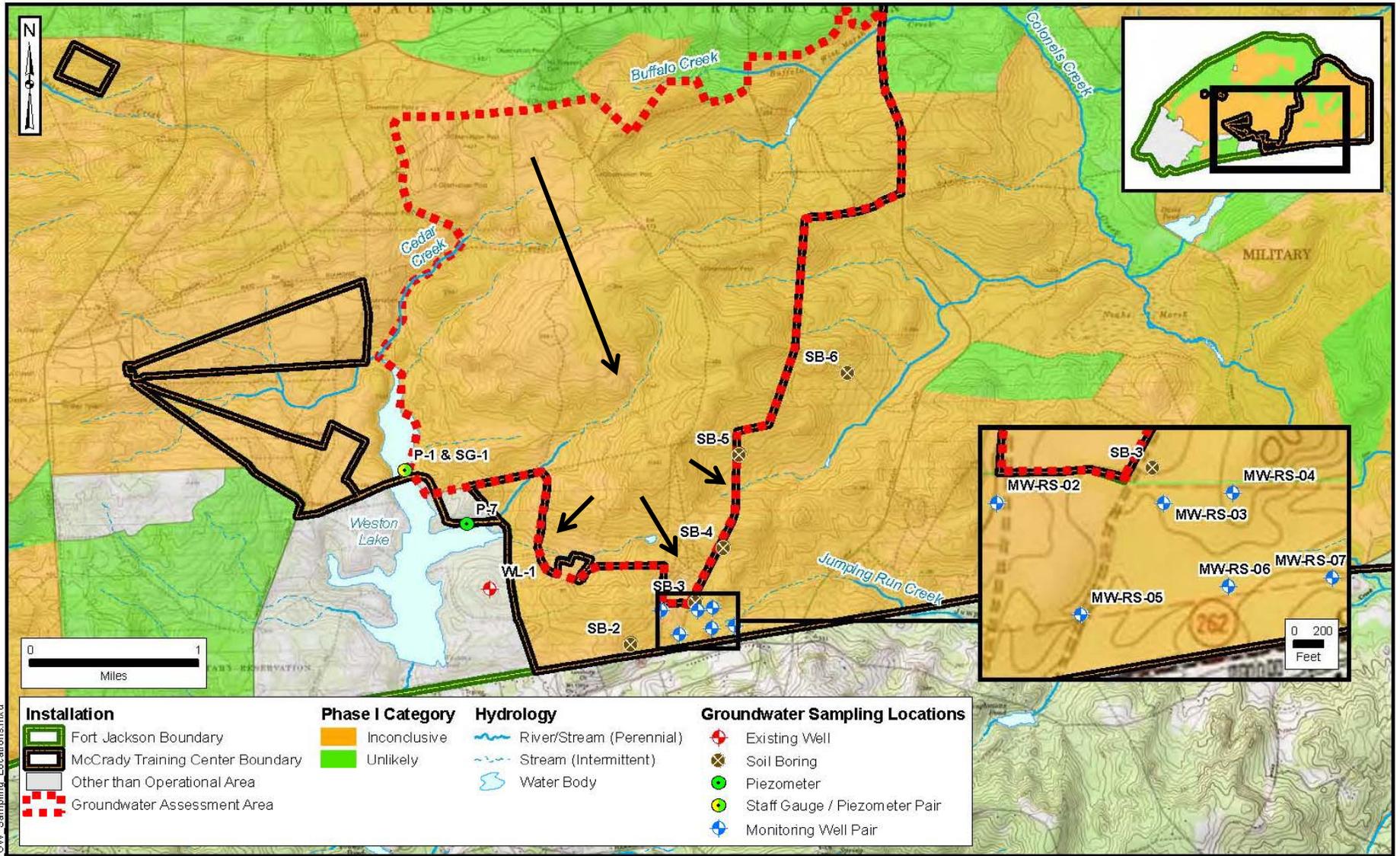


www.groundwater.com

Fort Jackson & McCrady Training Center Groundwater Monitoring Well Results

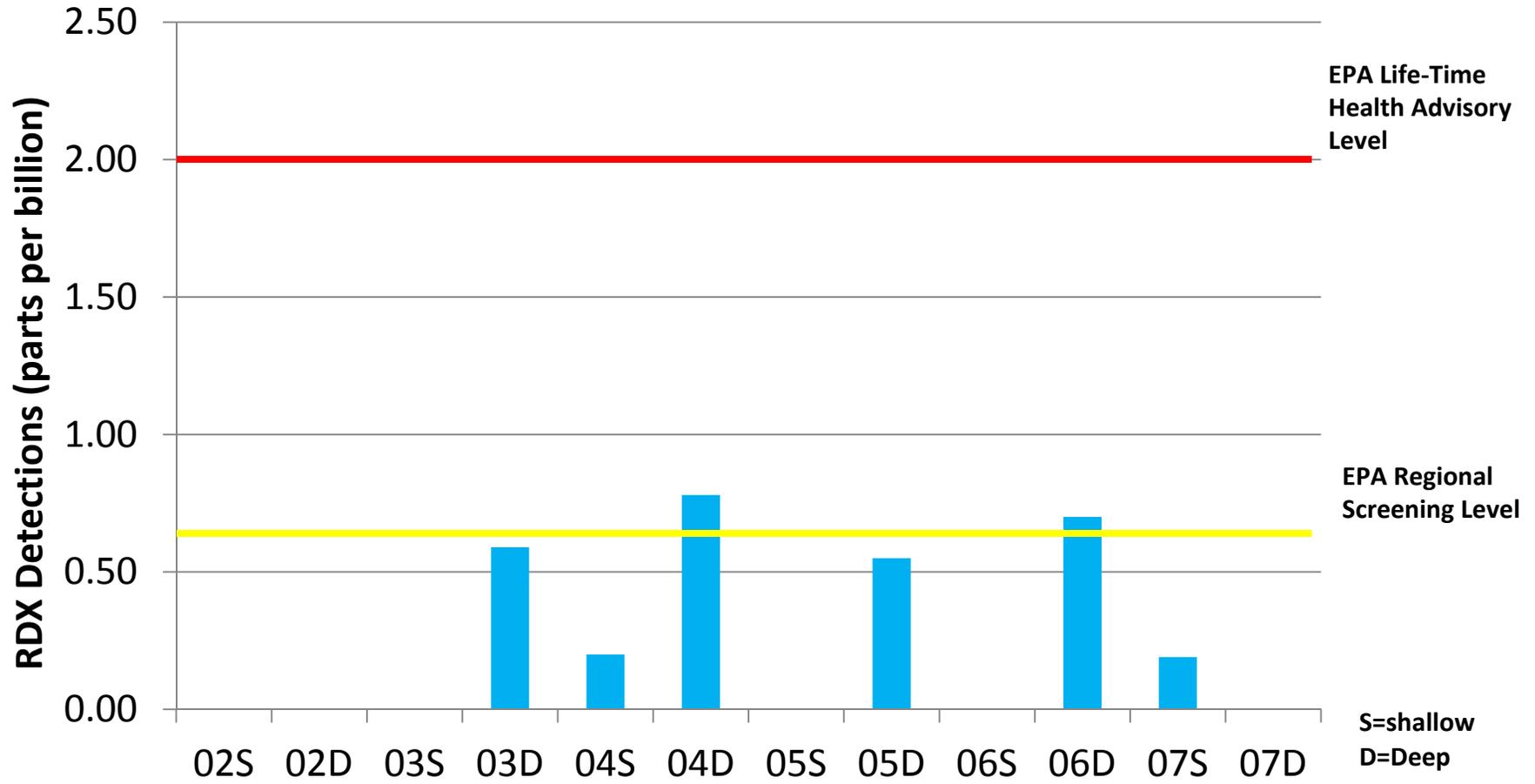


Groundwater Sampling Locations



Source: Sampling Locations.mxd

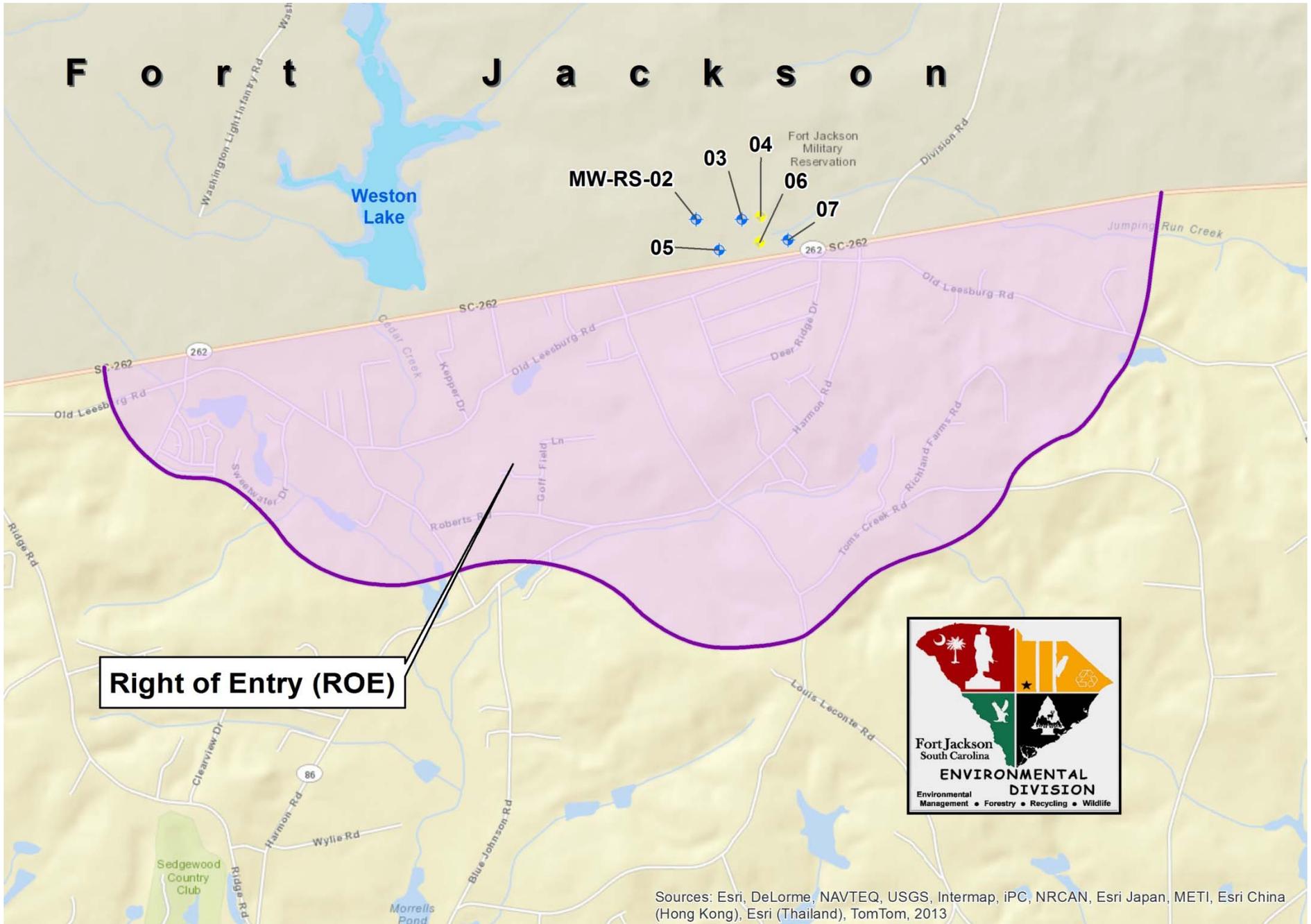
Fort Jackson & McCrady Training Center Groundwater Monitoring Well Results



Past Actions

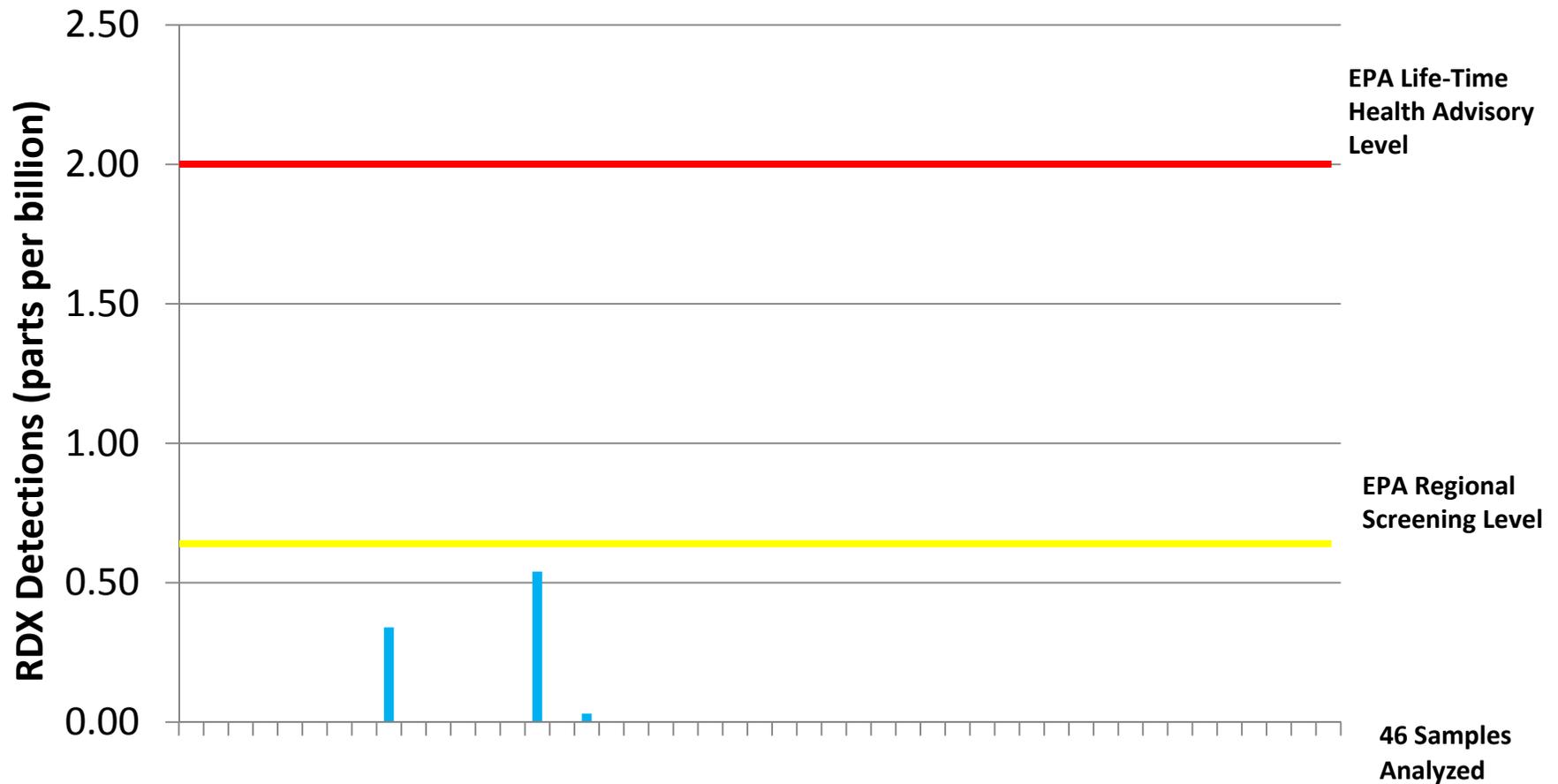
- Nov 15: Information packet mailed to homeowners with similar well depths
- Nov 15: Media Round-Table (television, radio, & newspaper)
- Nov 21: Public Meeting
- Dec 5-20: Collected 46 off-post water samples (results mailed to homeowners Jan 23-28)
- Jan 8-28: Additional information packets mailed to homeowners
- Jan 16-21: Collected 7 off-post water samples (waiting on results)
- Jan 24: Dec sample locations & results table submitted to SCDHEC
- On-post historical records search and research into mitigation and treatment methods
- Obtained funding for additional samples & Archive Search Report

Fort Jackson



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

December 2013 Off-Post Well Water Sampling Results



Proposed Future Actions

- February: Additional sampling to meet homeowners' requests
- March/April: Mail results to homeowners
- Ongoing: Collect historical information concerning possible sources
- Archive Search Report and additional sampling to locate source(s)
- Mitigation/treatment methods will depend on source(s)
- Long-term monitoring of on- and off-post wells