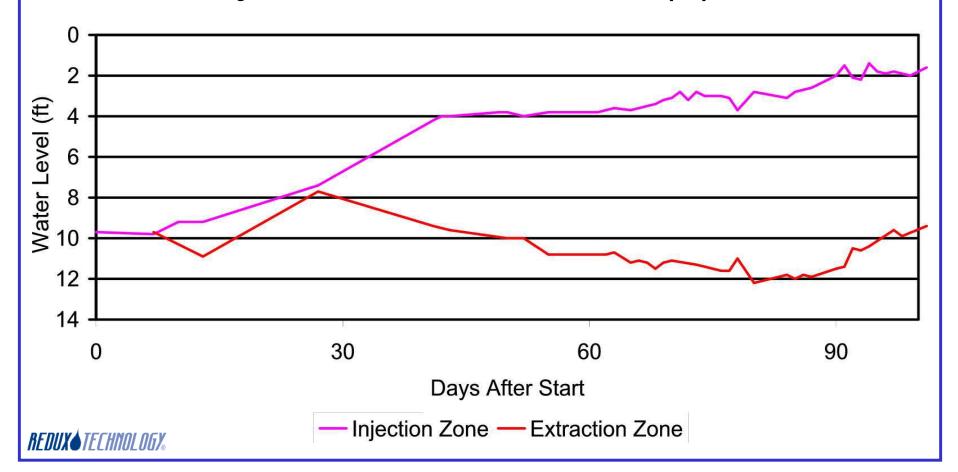
## Case Study #4 Nutrient Injection Well Fouling

- Aberdeen Proving Ground, MD, DOD Remediation
- Pulsed injection of the vitamin B12/Ti(III)-citrate mix



## Case Study #4 (cont'd)

Treatment program:

Redux B-T20 reducing type biocide
Daily additions at 150 ppm
Favorable degradation rate

- Bacteriostatic activity was limited to a treatment zone surrounding the injection point
- B-T20 prevented premature citrate utilization and thus extended the area of treatment.
- B-T20 regulatory approvals: EPA registered product and EPA Green Chemistry Award



## Case Study #4 (cont'd)

Water Level (Restart with biocide)

