

ASR Bill Overview

- Allows Zone of Discharge
 - Coliform and other biological constituents
 - Sodium
 - Secondary drinking water standards parameters
- Risked-Based Approach
 - EPA letter 1999
- No Endangerment
 - Safe Drinking Water Act

TDS ≈ 1500 mg/L

- Demonstrated die-off (laboratory study)
- Water supply wells
 - Not a current water supply
 - Not reasonably expected to become water supply
- Not necessitate additional treatment
- Approved monitoring plan
- Total coliform only primary std. Exceeded
- Die-off by edge of ZOD
- Benefits consistent with intended purpose

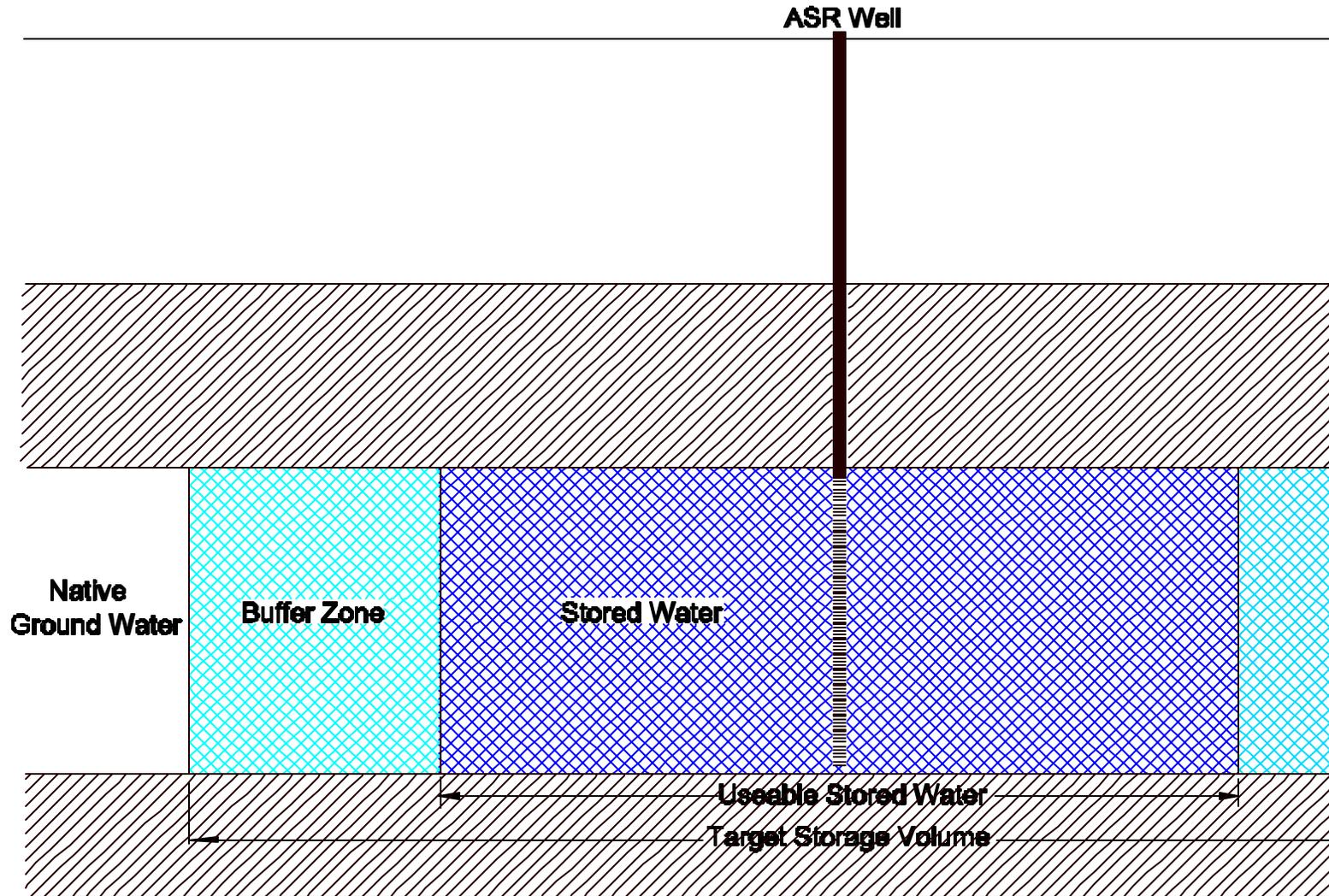
TDS < 1500 mg/L

- All previous requirements plus
 - Legal restrictions to prevent future withdrawals within ZOD except for applicant
 - Notification to all property owners overlying the ZOD

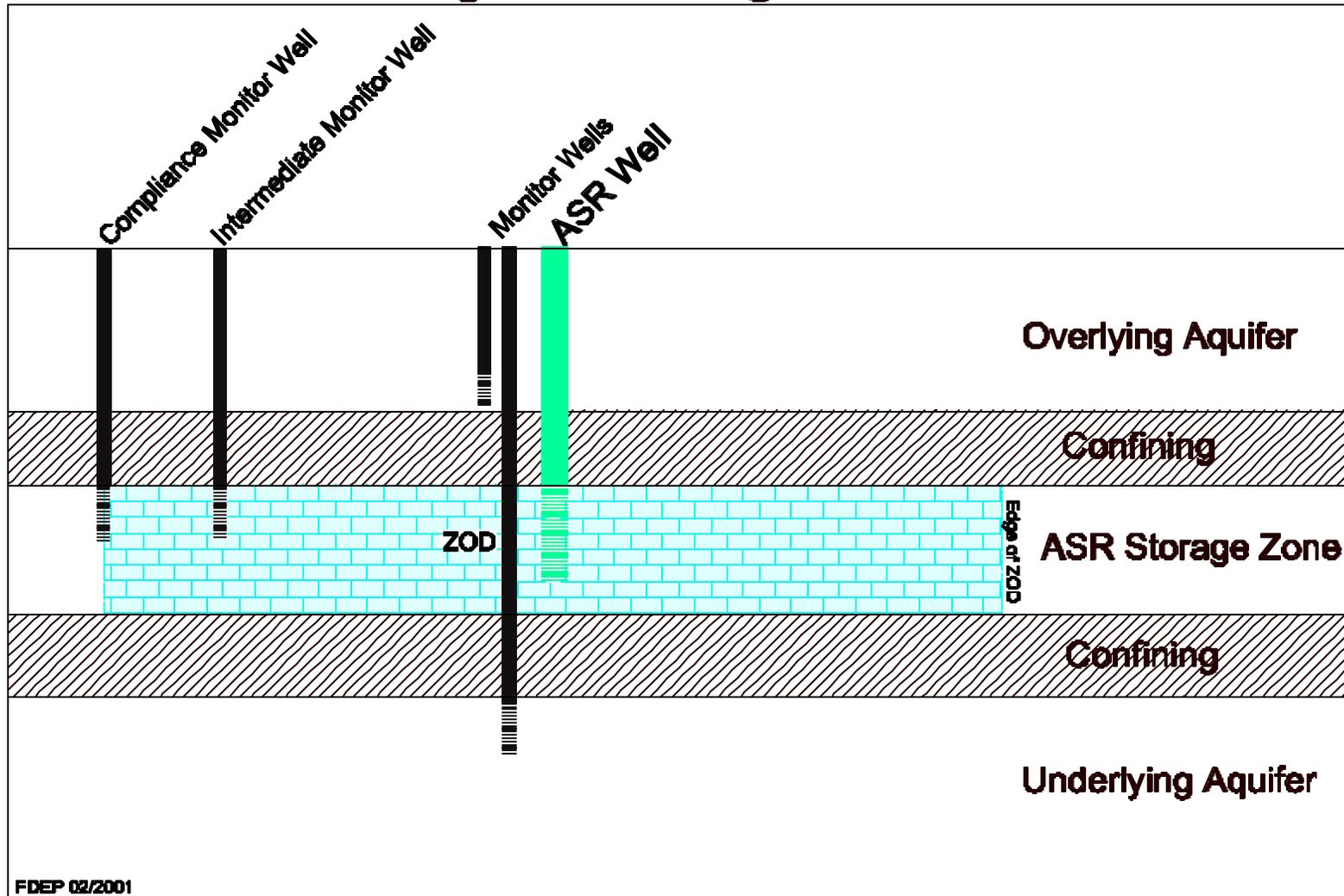
Other Provisions

- ZOD may not intersect a 500-foot radius around drinking water well using ASR zone
- Limits of ZOD specified by DEP
- Monitoring must demonstrate die-off
- Additional monitoring in direction of drinking water wells
- Monthly sampling of monitor wells
- WMD water well construction restrictions

Aquifer Storage and Recovery Concept

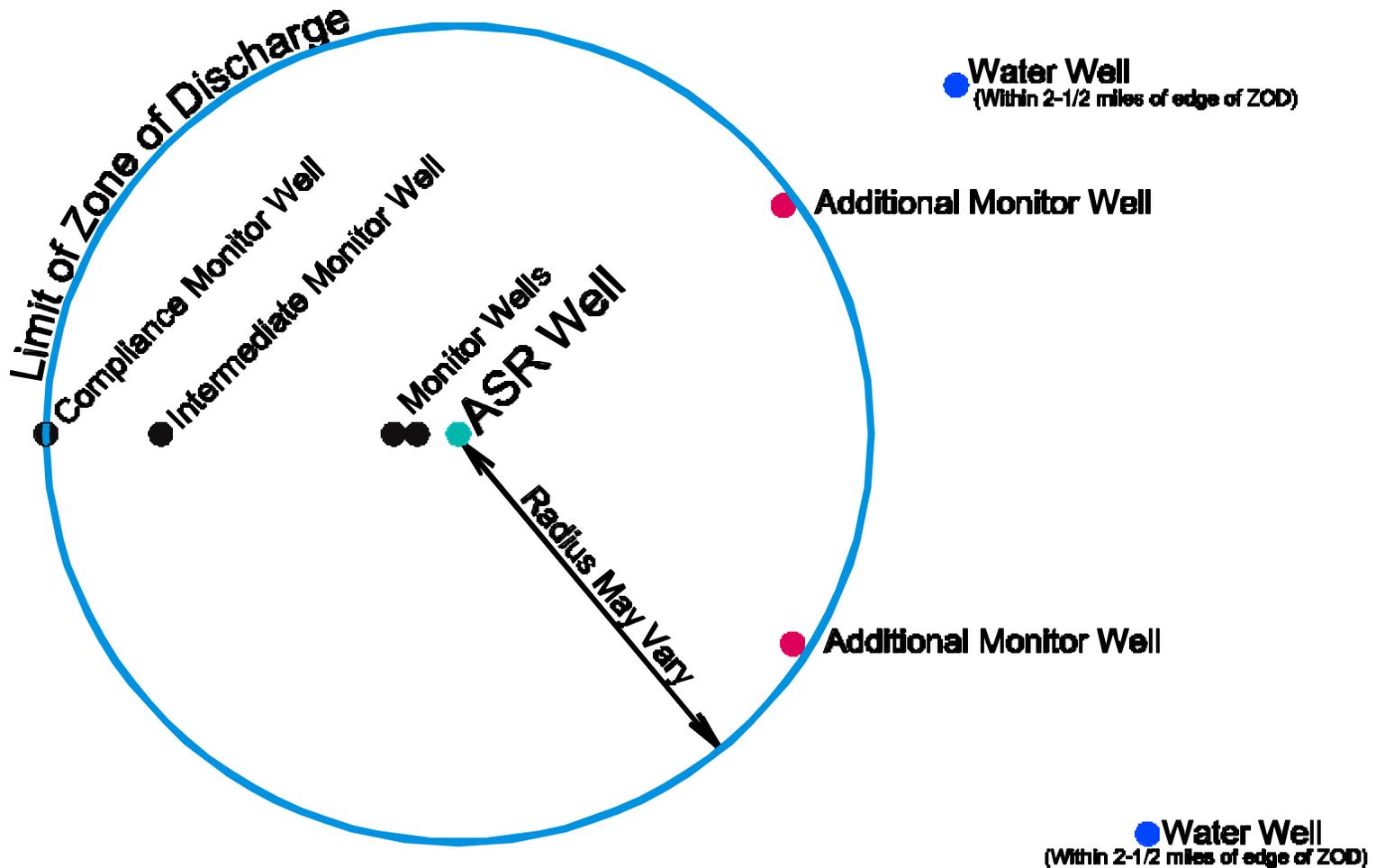


Zone of Discharge Monitoring - Cross-Section View

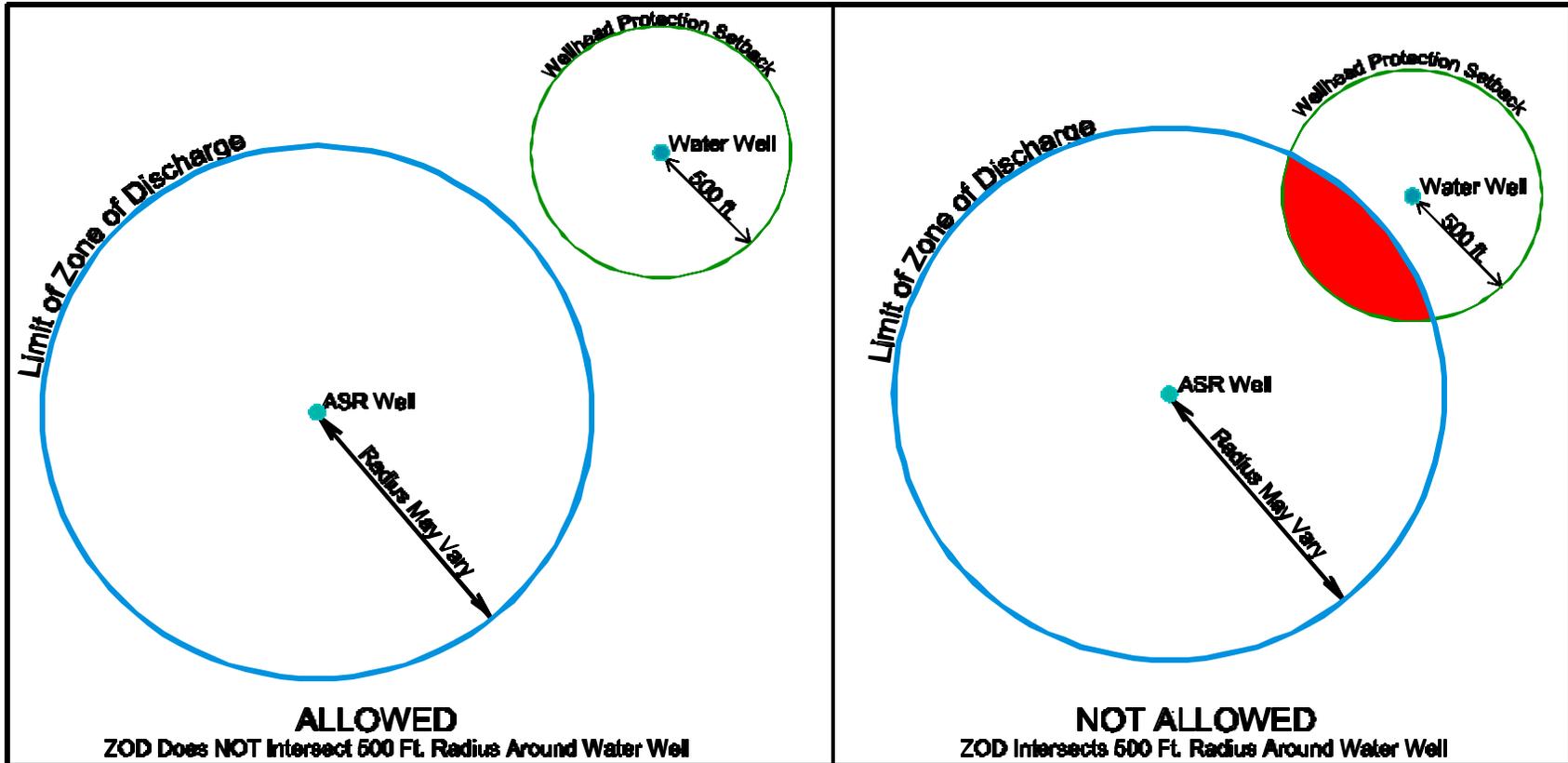


Zone of Discharge Monitoring - Map View

Showing Additional Monitoring Required if a Water Well Withdrawing from the Injection Zone is Present



Zone of Discharge and Wellhead Protection Setback



AQUIFER STORAGE AND RECOVERY FACILITIES IN FLORIDA

