

# Summary of Remediation & Verification Sampling for Horseshoe Landfill (600-270)

September 15, 2005

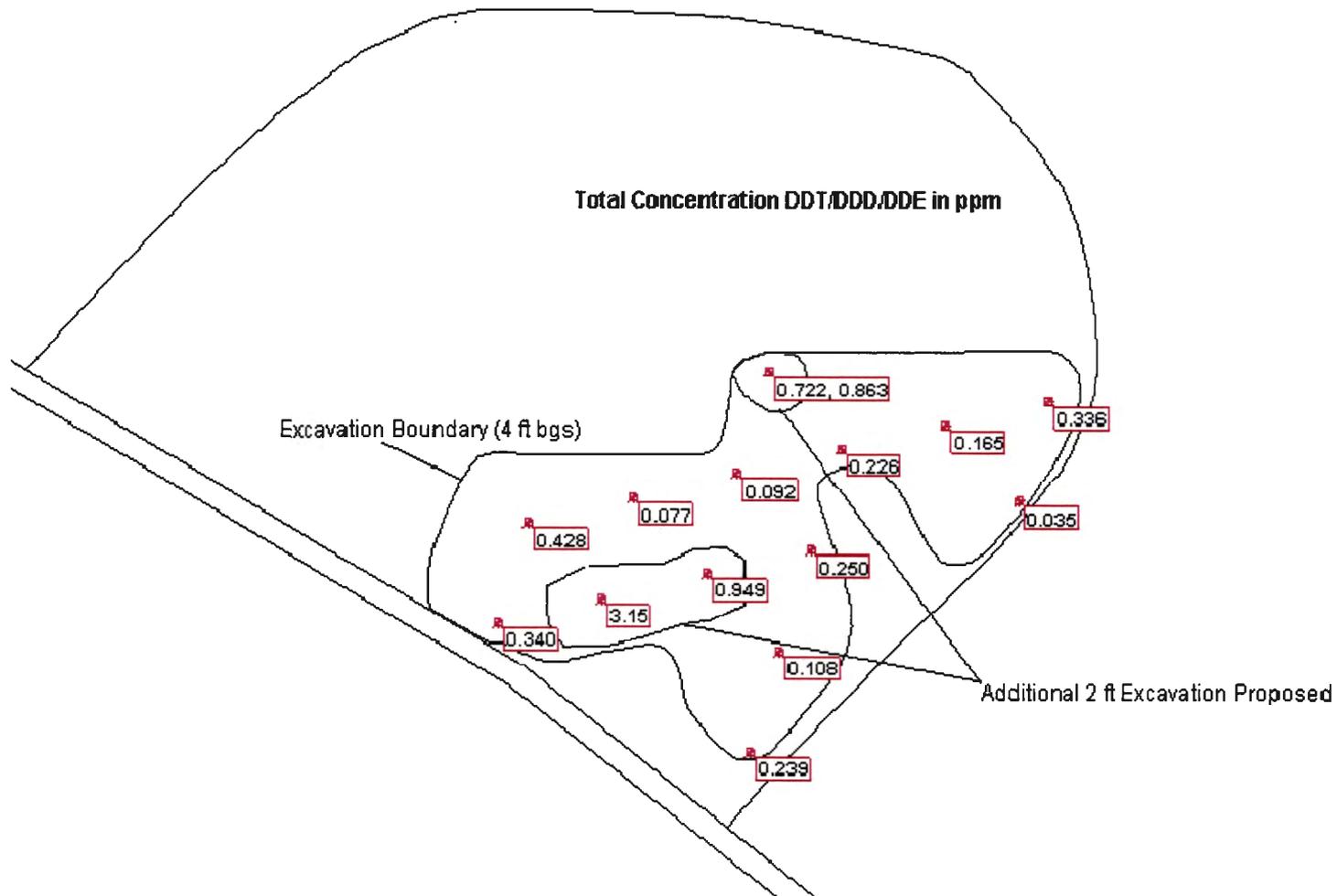
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# 3 Phases of Remediation & Verification Sampling: Phase I

- Excavated to depth of 4 ft in southern portion
- Removed 4800 BCM of DDT/DDD/DDE contaminated soil
- Statistical sampling within excavation
  - 14 samples analyzed for pesticides (DDT/DDD/DDE)
  - Two areas had concentrations > cleanup criteria (0.75 ppm) – correlated with presence of debris
- Clean soil stockpile sampled and acceptable for use as backfill

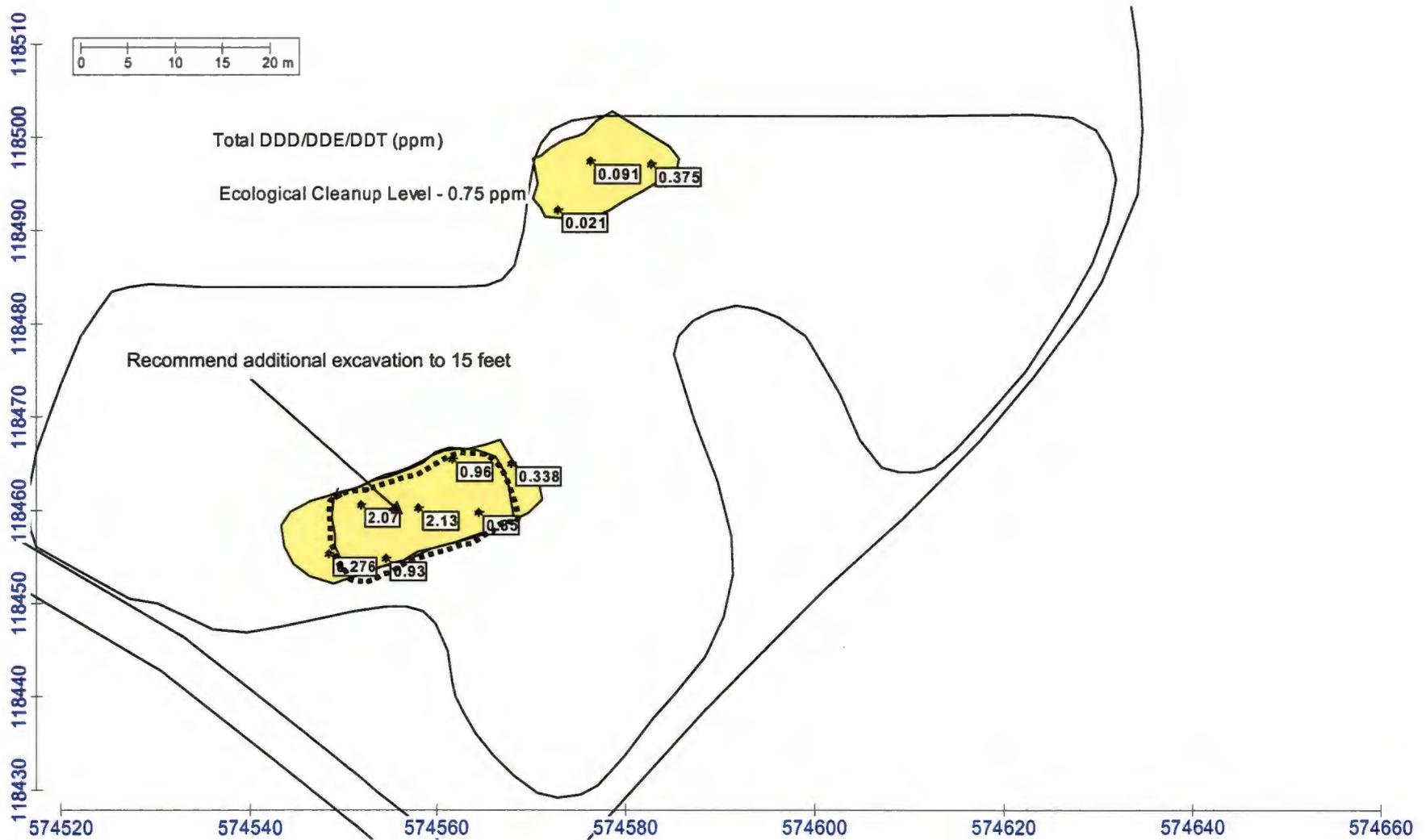
# Phase I Sample Results



# 3 Phases of Remediation & Verification Sampling: Phase II

- Excavated to depth of 6 ft in two areas with residual DDT/DDD/DDE
- Removed additional 100 BCM of DDT/DDD/DDE contaminated soil
- Statistical sampling of areas having additional remediation
  - 10 samples analyzed for pesticides (DDT/DDD/DDE)
  - One area had concentrations > cleanup criteria (0.75 ppm) – location with some residual debris

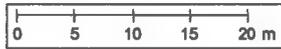
# Phase II Sample Results



# 3 Phases of Remediation & Verification Sampling: Phase III

- Planned to excavate to a depth of 15 ft in area having residual DDT/DDD/DDE
- Encountered basalt at 9 ft
- Removed additional 35 BCM of DDT/DDD/DDE contaminated soil
- Base of additional excavation divided into two sample areas of approximately equal size
- Two soil samples collected
  - Analyzed for DDT/DDD/DDE
  - Residual DDT/DDD/DDE concentrations meet cleanup criteria (< 0.75 ppm)

# Phase III Sample Results



**Total DDD/DDE/DDT (ppm)**

**Ecological Cleanup Level - 0.75 ppm**

