



Insights On Use and Implementation of Risk-Based Criteria at Sites by Various State Regulators

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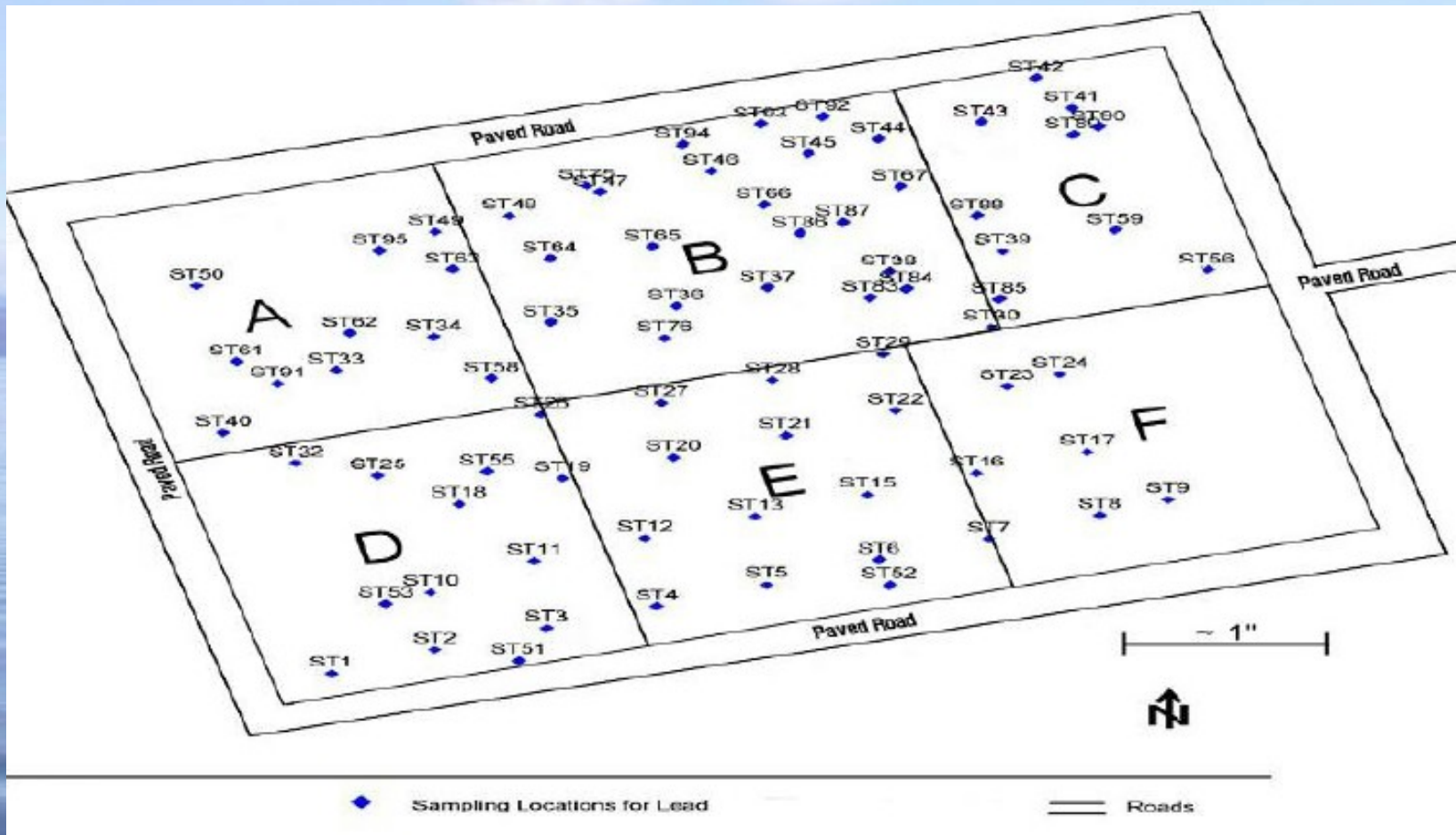
Risk Resources Team

Hypothetical Case Study



Land Use

- It was determined that the land would be developed into a residential community.



Next Steps

- **Each sampling location was assigned a hypothetical lead concentration as well as a depth interval**
- **A number of states were surveyed to determine the steps they would take to evaluate the site and implement risk-based criteria.**

Participating States

- Alabama
- Arkansas
- California
- Florida
- Georgia
- Maine
- Massachusetts
- New Jersey

Results

State	Exposure Unit Considered	Risk-based Criteria Introduced	Initial Level (mg/kg)	Clean-up Level (mg/kg)
AL	Entire site	Screening	400	site-specific
AR	Entire site	Screening	400	site-specific
CA	Each Lot	PEA	150	150
FL	Each Lot	Screening	400	400
GA	Entire site	Screening	400 (RCRA) 75 (HSRP)	site-specific
ME	Entire site	SI or Phase I Assessment	375	375
MA	Each Lot	PA/SI	300	site-specific
NJ	Each Lot	Screening	400	400

Use of Sampling Data

- 95% UCL about the arithmetic mean
- Arithmetic Mean
- Maximum concentration
- “Hot Spots” considered?

Field Methods

- Does your state allow you to use field methods to collect sampling data?



Composite Samples

- Does your state allow you to use composite samples to collect sampling data?

Soil Definitions

- What is surface soil?
 - 0-12 inches
 - 0-6 inches
- What is subsurface soil?
 - 12 inches – water table?
 - 6 inches – water table
 - 12 inches – no limit
 - 12 inches – 10 feet



Questions?

•For more information regarding the activities of the ITRC Risk Resources Team or to become involved on the team as member or interested party, please go online to:

<http://www.itrcweb.org>