

Incremental Sampling Methodology, Growing into an Everyday Tool

Course Outline

1) Presentation

- a) Introduction
- b) Why Use ISM?
 - i) Nature of Soil Sampling
 - ii) Statistical Concepts and Application in ISM Projects
 - iii) Planning for the Use of ISM Data
 - iv) Cost Analysis
- c) How to do ISM?
 - i) Systematic Planning and Decision Unit Design
 - ii) Field Implementation, Sample Collection, and Preparation
 - iii) Sample Processing and Analysis
 - iv) Data Quality Evaluation and Risk Assessment
- d) Conclusions

2) Case Studies

- a) Large-Site Sampling for Arsenic in Dense Dry-Compacted Soils
- b) Laboratory Processing and Analysis Potential issues - Key questions to ask your lab during project planning
- c) Real world example of applying CVs to DUs collected in triplicate to DUs where only a single sample was collected

3) Q&A