

Visual Sample Plan (VSP)

The Problem

Decision-makers need to know how many samples are required to support confident decisions.

Tools are needed that can optimize characterization requirements and protect against decision errors amidst uncertainty.

The Approach

- Developed easy-to-use, highly visual tools for non-statisticians
- Utilized the Data Quality Objectives (DQO) process
- Employed statistical methods outlined in EPA guidance documents and references

The Accomplishments

- Visual Sample Plan (VSP) defines the right type, quality, and quantity of data
- Over 700 users – DOE, DoD, EPA, states, international
- Visual interactive tool imports maps, shows sampling locations, and design diagnostics

