
**Pacific Northwest
National Laboratory**

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U.S. Department of Energy

**Visual Sample Plan
Version 3.0
User's Guide**

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December 2004



Prepared for the U.S. Department of Energy
and the U.S. Environmental Protection Agency
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Abstract

This user's guide describes Visual Sample Plan (VSP) Version 3.0 and provides instructions for using the software. VSP selects the appropriate number and location of environmental samples to ensure that the results of statistical tests performed to provide input to environmental decisions have the required confidence and performance. VSP Version 3.0 provides sample-size equations or algorithms needed by specific statistical tests appropriate for specific environmental sampling objectives. The easy-to-use program is highly visual and graphic. VSP runs on personal computers with Microsoft Windows operating systems (95, 98, NT, 2000, Millennium Edition, and XP). Designed primarily for project managers and users without expertise in statistics, VSP is applicable to any two-dimensional geographical population to be sampled (e.g., surface soil, a defined layer of subsurface soil, building surfaces, water bodies, and other similar applications) for studies of environmental quality as well as for devising transect sampling plans for unexploded ordnance target area detection and delineation..

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