Abstract

LINK TO PAPER

A Simple, Cost-Effective Method for Random Placement of Research Points
Track: Health and Human Services
Author(s): Leon Herbert, Christine Wilder

The author proposes a method using a combination of ArcView and a GPS to accurately and effectively create and locate random sample points over large research areas. The author also presents a preliminary public health case study which used this method to locate sample sites in a rural area of Limpopo Province, South Africa. Both health and vegetation surveys were carried out at these sites. Although similar techniques have been used in environmental science research, the author is unaware of the use of combined GIS-GPS technologies for sample determination, nor does the author know of the use of this approach in health sciences research.

Leon Herbert
University of Virginia
Environmental Sciences
291 Mccormick Road
Clark Hall
Charlottesville , VA 22904
USA
Phone: 434-243-5575
E-mail: leonherbert@hotmail.com

Christine Wilder
University of Virginia
Health Evaluation Sciences
UVA Health System
Charlottesville 22908-0717
USA
Phone: 434-9718583
E-mail: cmw6a@virginia.edu