

Alegria and Apple

PLANNING AND MONITORING APPLICATIONS FROM VEGETATION SURVEY PROGRAM

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Use of vegetation data from permanent plots have been hindered by the statistical complexities of cost efficient plot designs. The Vegetation Inventory and Monitoring (VIM) application was developed as an easy-to-use tool that enables the end user to conduct their own analysis while producing statistically rigorous results across agency boundaries. The tool can be used as a stand-alone program with pre-defined sample frames, called 'study areas' such as administrative unit, province and land use allocation or be incorporated into ArcGIS where the user supplied layer can be intersected with the plot locations to define the study area. Drop-down menus build queries within the study areas and estimated acres meeting these query criteria are produced. Estimates of the mean and population along with either the standard deviation or confidence limits can be calculated for a user chosen list of attributes for the area defined by the query. The results can be calculated by two different statistical approaches: a non-parametric two-stage bootstrap or one developed by the Forest Service Forest Inventory and Analysis Program (The Enhanced Forest Inventory and Analysis Program-National Sampling Design and Estimation Procedures, 2005, Bechtold, William A, and Patterson Paul L. editors *in press*).

STATUS & TREND REPORTS CONCURRENT SESSIONS- Old Growth and Late Successional

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