

Variable Probability Sampling Program

Monday, March 25, 2019

- 1:00 p.m. Registration
- 1:30 p.m. Introduction and course overview –
History of variable-plot sampling-
Basic principles of variable plot
sampling
- 3:00-3:15 p.m. Afternoon Break
Determination of which basal area
factor to use
Tree counts
Tree measurements

Tuesday, March 26, 2019

- 7:30 Coffee and Individual Questions
- 8:00 a.m. Statistical Analysis
Mean—average
Standard Deviation
Coefficient of Variation
Standard error of the mean
Sampling techniques
Random
Systematic
Calculation of the basal area factor
The plot radius factor
Cruise design
Volume calculations—V-BAR basis
- 11:45 a.m. Box lunch – *leave for McDonald
Forest*
Field problem variable plot
sampling—McDonald Forest
Field problem computations

Wednesday, March 27, 2019

- 7:30 a.m. Coffee and Individual Questions
- 8:00 a.m. Volume calculations
Log grade and defect calculations
Statistical aspects of variable plot
sampling
Stand table construction
Volume calculations – tree frequency
basis
Analysis of field problem
- 12:00 p.m. Group lunch
- 1:30 p.m. Timber cruising field guide:
Balancing ratio of tree count sample points
and number of V-BAR trees
Demonstration of software for most
efficient balance between number of
sample points and number of V-BAR trees
Participants' field and office problems: A
special session devoted to answering
participants' specific problems in variable
plot sampling
- 3:00-
3:15 p.m. Afternoon break
Advantages of variable plot sampling
Summarizing the sampling process
3-P Crew Chiefs:

Thursday, March 28, 2019

- 7:30 a.m. Coffee and Individual Questions
- 8:00 a.m. Introduction to 3-P sampling
Demonstration 3P Selection Rule
U.S. Forest Service – 3-P sampling:
Jeff Penman
Bureau of Land Management – 3-P
sampling: Kevin Teigland

Variable Probability Sampling Program

Thursday, March 28, 2019, Continued

12:00 p.m. Group lunch

1:00 – 5:00 p.m. Field problem in 3-P sampling–

McDonald Forest

Friday, March 29, 2019

7:30 a.m. Coffee and Individual Questions

8:00 a.m. Volume Calculations in 3-P

- Statistical analysis

- Analysis of 3-P field problem

- Determining sample size for 3-P sampling

- Checking a 3-P Timber Cruise

- Advantages of 3-P sampling and
appropriate use

12:00 p.m. Adjourn