

Variable Probability Sampling Program

Monday, March 26, 2018

- 1:00 p.m. Registration in LaSells Stewart Center
- 1:30 p.m. Introduction and course overview – John Bell
History of variable-plot sampling- John Bell
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 27, 2018

- 7:45-8:00 a.m. Coffee and pastries
- 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 28, 2018

- 7:45 a.m. Coffee and pastries
- 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: Jim Kiser
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: Rich Holmboe
- 6:00 p.m. Group dinner at New China Buffet

Thursday, March 29, 2018

- 7:45 a.m. Coffee and pastries
- 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: Kristen Thompson

Variable Probability Sampling Program

Thursday, March 29, 2018, Continued

12:00 p.m. Group lunch

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

Friday, March 30, 2018

7:45 a.m. Coffee and pastries

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