

ADDENDUM TO INVITATION FOR BID

Forest Inventory of Jackson Demonstration State Forest IFB# 8CA04005

October 1, 2004

- 1) CDF will mark each line with two or more take-off points where lines cross major roads. Maps of these take-off points will be provided to the Contractor periodically as they are installed. The contractor will mark intermediate take-off points where lines cross primary and secondary roads.
- 2) If the distance from plot center to the property line is less than the critical distance of the largest trees in the stand being sampled, offset the sample point one chain either along or perpendicular to the line, whichever is farther away from the property line. If the distance from plot center to the property line is still less than the critical distance of the largest trees, drop the plot and explain in Remarks. If the plot center is an acceptable distance from the property line for the sizes of trees in the stand, but larger trees outside the property line are "in", make a note in Remarks but do not record any of the "in" trees that are outside the property line. If the plot center falls outside the property line, drop the plot and explain.
- 3) Do not collect defect information on hardwoods.
- 4) On each plot whose number ends with five or zero (site tree plot), measure total height of one randomly selected tanoak, if present, and the total height of the first of each minor hardwood species encountered each day.
- 5) Check cruising tolerance for total height of hardwood trees is 15 percent, on each tree.
- 6) For measuring distances between plots, hip chains or electronic measurement devices approved by CDF are encouraged, but not required.
- 7) Sample all snags that are in, based on their current shape and form as viewed from the plot center (do not attempt to visually re-shape a cylindrical equivalent of the snag). A snag is defined as a dead tree, regardless of stage of decomposition, with a current total height of at least 20 feet.
- 8) Out of the total estimated 4,912 plots, an estimated 1,837 plots will be designated for installation with a 20 BAF, and an estimated 3,075 plots will be designated for a 40 BAF. A map and plot list will be provided to the contractor. Measurement devices other than a prism or a relascope must be approved by CDF.
- 9) GPS units must be designed for professional grade work. Waypoint coordinate data can be downloaded by the consultant and provided to CDF electronically, or the GPS units can be made available to CDF staff for downloading.
- 10) Spend up to five minutes obtaining a GPS location at each plot, at the beginning of plot installation. If this fails, spend up to five minutes at the end of plot installation attempting to obtain a GPS location.

- 11) Record each in tree on the plot greater than or equal to 5.0 inches DBH, starting from the north unless another starting point is more efficient. If another compass direction is used as a starting point, note it in the remarks field. Attempt to record trees in sequence proceeding clockwise from the starting point as much as possible.
- 12) Mapped location is the control for plot location, with roads being the primary reference feature. The contractor will make location corrections where deviations are apparent based on the map. In such instances, take-off points will be established for both directions where the line is re-started, and remarks will be included in the plot data for the plots on either side of the line break.
- 13) For plot relocation purposes, draw a basic sketch diagram of each plot location in the remarks field, showing nearby reference features (roads, streams) and distance and bearing from a take-off point or neighboring plot. If an electronic data logger is used, the diagrams may be drawn in a field book and referenced by plot number.
- 14) If three or more plots on one line in one Section fail the check cruising criteria, then in addition to the failed plots, all plots measured on the day of measurement of the last failed plot will have to be remeasured in their entirety.
- 15) The minimum age for site trees is 30 years. Select only site trees of a size where a 16-inch or greater increment borer can reach the center of the tree; do not extrapolate age.
- 16) All flagging shall be red. Plot center stake flags shall be at least 15 inches tall.
- 17) For the species categories "OC" and "OH", note the actual species in the remarks column.
- 18) Periodic invoices will be based on the number of plots completed and submitted, as a proportion of the estimated total number of 4,912 plots.
- 19) Vehicle use will be prohibited on designated Forest roads during the rainy season. ATVs may be used on any truck road within the State Forest.
- 20) Check cruising tolerances for defect estimation is +/- 25 percent of the total defect volume on each plot.
- 21) A recycle certification form is not required for submission of a bid.