

EXHIBIT B**TOLERANCE AND STANDARDS**

Note: *When installing or remeasuring off-grid plots (hex ID ≥ 60000) or on-grid plots (hex ID ≤ 60000) that do not include a forested condition, the tolerances and standards listed below are in addition to those provided in the “Field Instructions”. Tolerances and standards stated below will supersede any listed in the field instructions.*

LOCATION**GPS Coordinate Readings**

Collect and record at least 180 field-averaged GPS coordinates for both Subplot N1 (GPS Location Type: 3), as well as the the Reference Point (RP) location (GPS Location Type: 2). In addition, on plots where foot travel becomes the predominant method of accessing the RP, collect and record the GPS coordinate for the Point of Departure (POD), (GPS Location Type: 1). Usually the POD will be located at the vehicle parking location, a trail, or the landing zone.

Subplot N1 Location

New installation plots: The ground location of subplot N1 on new plots shall be within a 10-foot horizontal radius of the location indicated by the photo pinprick. Any new plots located beyond 10 horizontal feet from the pinprick location will be rejected. Plots may be rejected when the referenced location to stake position 1 is outside of the search area. Search area is determined as follows:

$$0.07 \times (\text{Traverse Distance}) = \text{Radius of Search Area}$$

Remeasurement plots: All remeasured plots, subplot N1 shall be remeasured at the same location as the original N1 stake position.

Subplot N1 Reference Monumentation

Attach two orange tags to each subplot reference tree. Locate these tags at six feet from the base of the tree. Attach one orange tag facing the RP and the other facing 180 degrees from the RP. Position the longest side of each tag parallel to the tree bole and affix with one or two nails. Insert up to, but not more than, 1.5 inches of the nail into the tree.

Note: Do not use orange tags in wilderness areas

Subplot N2-N4 Reference Monumentation

At each installable subplot position drive a cedar stake securely into the ground, leaving 1/3rd of its length above the ground. Secure a yellow round in the top of the stake with an aluminum nail. This is in replacement of the steel pin for subplot centers 2-4 in the “Field Instructions Manual”. The nail defines the center of each subplot. Microplot centers will remain as steel pins.

Flagging end of Transect

At the end of each subplot transect install a 12” stick or stake in the ground and hang flagging above it.

Note: Do not use flagging in wilderness areas.

Current Number Tag: The correct number shall be recorded. Tree number tag must be installed as stated in the "Field Instructions." The nail shall slope slightly downward, allowing the number tag to migrate to the nail head. The minimum length of the nail left exposed shall be determined as follows:

(see Govt.-Furnished Property) <u>Length of Nail</u>	<u>Minimum Length Exposed</u>
3"	1.5"
4"	2.5"
4.5"	3.0"

Diameter: DBH nails shall be placed ± 0.1 foot of the height stated in the "Field Instructions." DBH nail shall be firmly affixed to the tree; within a bark furrow on larger trees. The DBH nail shall be oriented perpendicular to the bole so as to remain in the same location as the diameter increases. The minimum length of the nail left exposed shall be determined as follows:

(see Govt.-Furnished Property) <u>Length of Nail</u>	<u>Minimum Length Exposed</u>
3"	1.5"
4"	2.5"
4.5"	3.0"