

Measuring the Largest Trees in the World

Juniper Systems'™ Archer Field PC was recently used to measure some of the largest trees in the world. Juniper Systems' rugged handhelds are used for a wide variety of applications. Combined with Laser Technology Inc.'s™ MapSmart software and laser rangefinder, the technology turned out to be very suitable for mapping tree footprints.

California Big Trees Coordinator, Michael Taylor, is a member of [The Native Tree Society \(NTS\)](#), a group of outdoor enthusiasts known as 'Tree Hunters'. Members of this group search for and document trees of immense stature, old age and unique characteristics. Recently, Taylor used the Archer Field PC in combination with MapSmart software and laser rangefinder. To accomplish the mapping of tree footprints, Taylor used the equipment to collect tree measurements and map thousands of points on each tree. He then created 3D surface point clouds of the tree trunks in Microsoft Excel to determine volume, and used these points to create a tree footprint.

Taylor realised other uses for the Archer/MapSmart survey package in tree measurement that could not be performed better with other equipment, he stated. One function the Archer/MapSmart appears to be particularly adept for is footprint mapping of trees, especially in remote, cluttered, forested environments. Taylor's complete notes on his tree footprint mapping experience with the Archer may be found on the [Native Tree Society BBS](#).

Juniper Systems' rugged handhelds are designed to operate in a wide variety of extreme environments, said Trevor Brown, market manager of Natural Resources at Juniper Systems. When a customer attests to a handheld's quality and ruggedness, it's always very fulfilling - a kind of pat on the back, he added.

<https://www.gim-international.com/content/news/measuring-the-largest-trees-in-the-world>
