

Mapping Campus Monuments and Memorials: Evaluating Place and Space

by Taylor Patterson Spring 2015

Introduction:

Plans for campus expansion and development may overlap with the location of monuments and memorials. Some of these may be temporarily moved during construction or permanently relocated if necessary. In this study, the location and type (trees, benches) of campus memorials were identified and mapped with planned campus construction zones to determine where the two features overlap. It was then determined if memorials located within planned construction zones could be moved to accommodate construction.

Hypothesis:

It is important for the University to have digital records of the location and type of campus monuments and memorials for campus planning purposes. There are many types of official memorials on campus and some of them may be moved to accommodate construction projects.

H1: Benches may be relocated to accommodate development.

H2: Trees cannot be moved to accommodate development.

Methods:

- The names and location of official campus monuments and memorials were obtained from the “*Memorials and Tributes*” book held at the library.
- The location and type of official campus memorials were verified in the field.
- Data points were collected using a Trimble R10 RTK GPS (Figure 1).
- The sites were mapped and attributes were classified in the field using the ESRI Collector App on an iPad (Figure 2).
- The sites were mapped and site attributes were classified using ESRI ArcGIS software (Figure 3).
- A construction layer was added along with a calculated 30-ft buffer zone.



Figure 1a: Trimble R10 RTK GPS



Figure 1b: TSC3 Trimble Data Logger

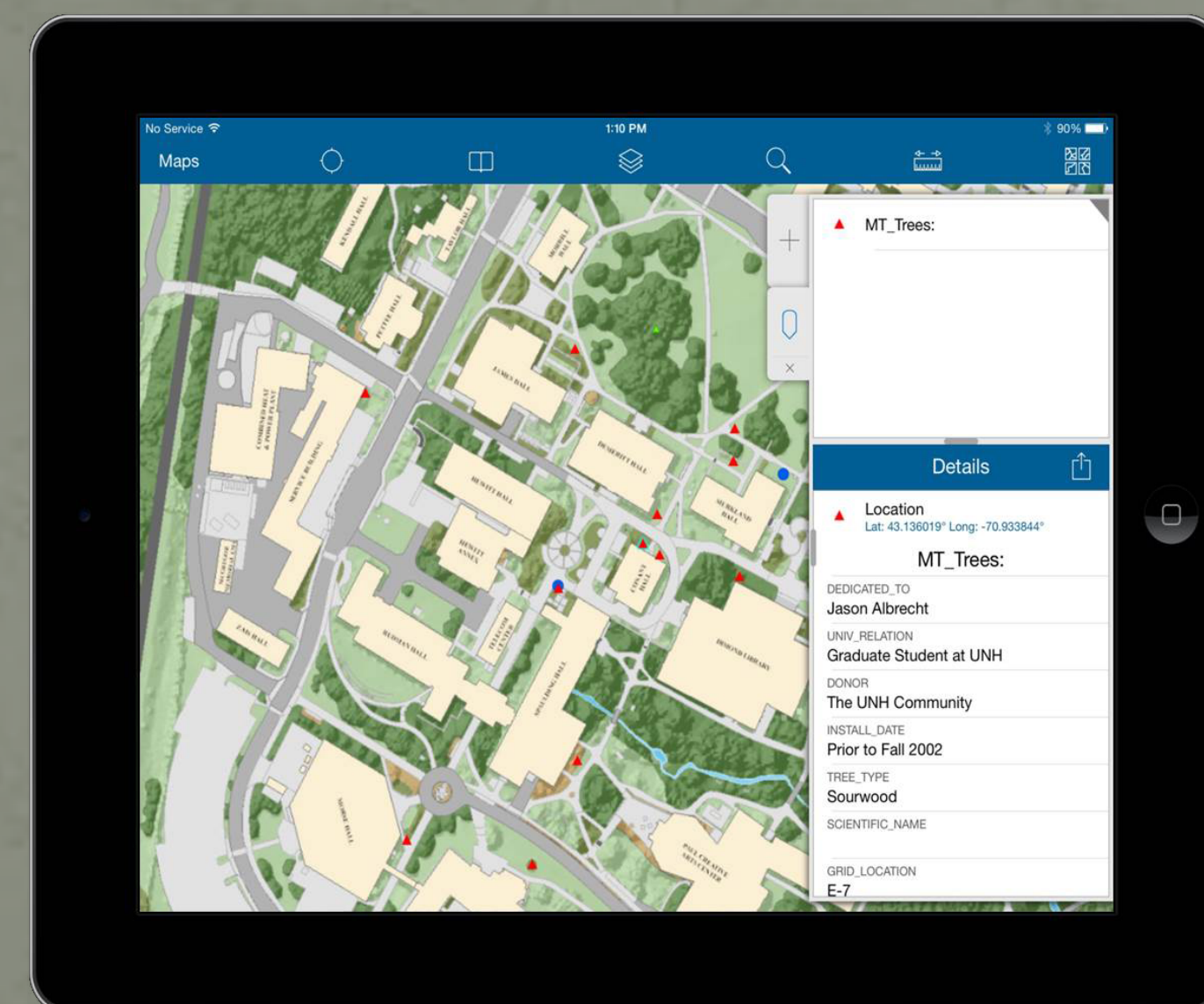


Figure 2: ESRI Collector App on iPad

Results:

Although data on the location and attributes of many types of memorials were collected, analysis primarily focused on trees (43 official) and benches (19 official). The location of memorial trees and benches was evaluated for the potential impact due to construction.

- Trees: 10 within construction zones and 13 within buffer zones. (Figure 3).
 - Note: 4 of the trees within the buffer zones are not the exact locations for these memorials.
- Benches: 3 within construction zones and 4 within buffer zones. (See Figure 3)



Figure 3a: Hamilton-Smith Construction Zones



Figure 3b: Field House Construction Zones



Figure 3c: Holloway Commons Construction Zone



Figure 3d: PCAC Construction Zone

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