Apr 08, 2020

Rare Trees Survey outside Plots (Megantic Only)

Sabine St-Jean[1]

[1]Université de Sherbrooke

In Development dx.doi.org/10.17504/protocols.io.baadiaa6

Canadian Airborne Biodiversity Observatory
Tech. support email: **jocelyne.ayotte@umontreal.ca**

Vellend Cabo

ABSTRACT

Here, we describe the standardized protocol used by the Canadian Airborne Biodiversity Observatory (CABO) to survey additional rare trees as needed to ensure that all tree species observed across the Parc national du Mont-Mégantic site are represented by at least 10 Dominant or Co-dominant individuals, in order to fulfill CABO-wide needs for the calibration of sensor data, as mentioned at step 1 of the Canopy Trees Survey Protocol - Forests of Southern Québec Protocol.

EXTERNAL LINK

http://www.caboscience.org

ATTACHMENTS

CABO_species_list_per_site_2019.xlsx

MATERIALS TEXT

CAT S41 fieldwork cellphone -

Laser Geo -

Trimble Catalyst GPS, NTRIP precision subscription

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DP II Caliper and L5 Laser Art no 15-103-1041 (from SYSTEM 2 DP Postex)

- -

Tree Selection and Scouting

1 Identify the tree species represented by <10 Dominant or Co-dominant individuals across the set of plots at the given site.

To do so, export the .csv file from *Fulcrum* → Vegetation Surveys: Large Trees → [filter: appropriate site]. Then, in Excel, filter the records by species and Crown class.

2 For these species, find individual trees ≥ 9 cm DBH outside the plots to bring the sample size up to at least 10. If possible, use the trees recorded at step 8 of the Canopy Trees Survey Protocol - Forests of Southern Québec Protocol. If not, create Plant records for the selected trees by following the directions from step 8.

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Tree Level Measurements

3 For these trees, record the required measurements.

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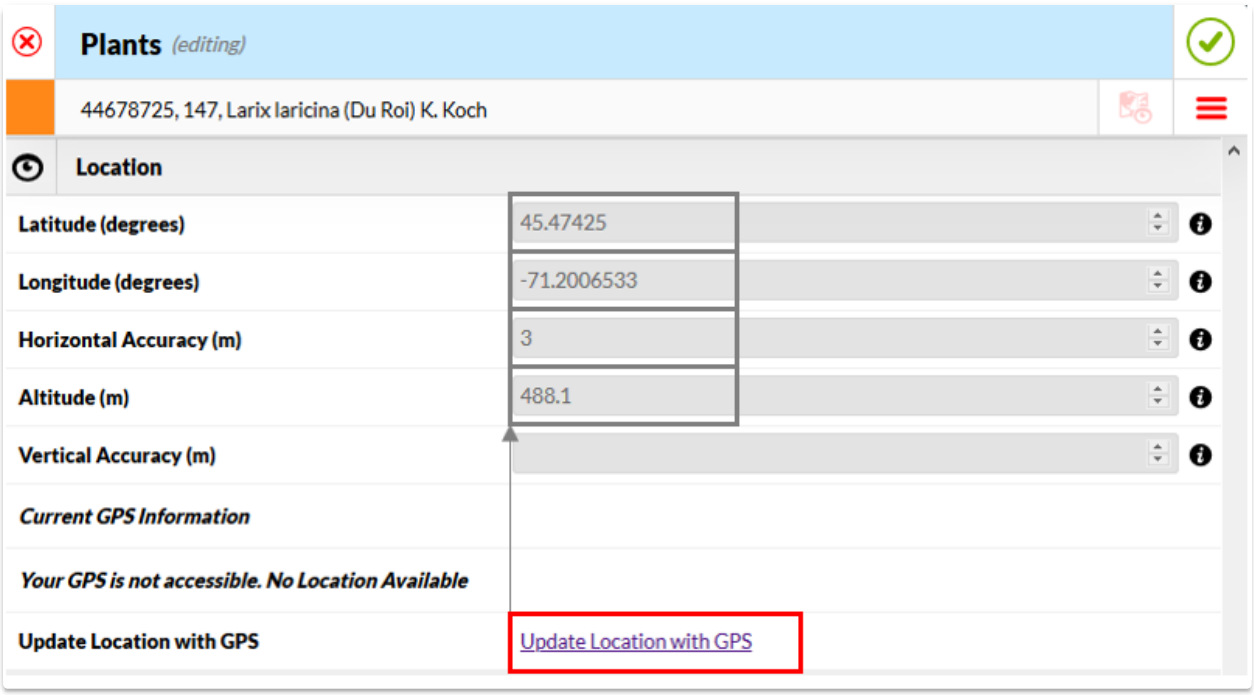
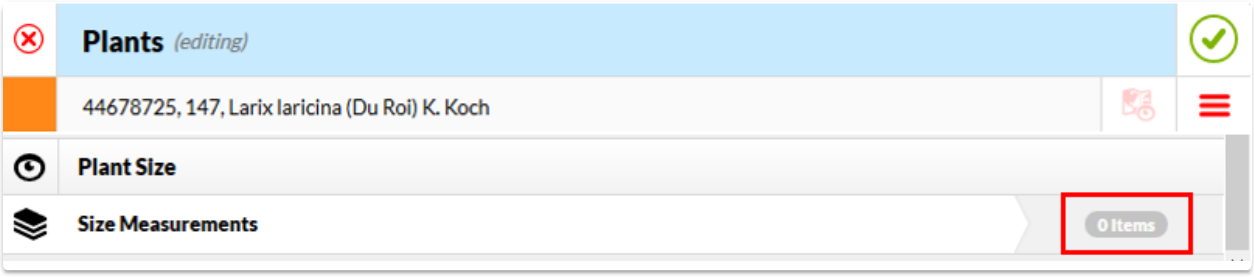
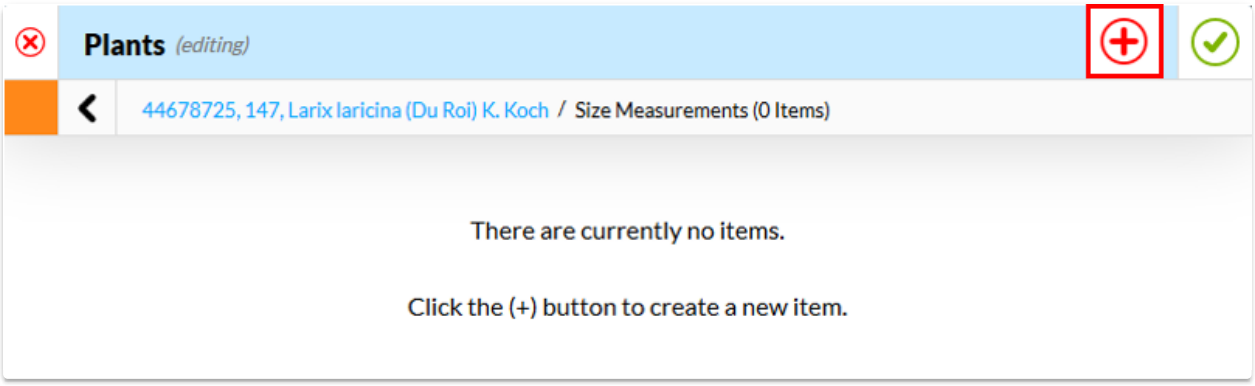
3.1 If it was not already done, precisely georeference the tree location under Plants → Location by clicking Update location with GPS on your field cellphone connected to the Trimble GPS –coordinates will automatically be imported to the Latitude, Longitude, Horizontal Accuracy and Altitude fields.



3.2 Record species identification, DBH, height, and crown dimensions in Plants → Plant Size → Size Measurements. Refer yourself to the Canopy Trees Survey Protocol - Forests of Southern Québec Protocol to know how to take these measurements.



By clicking on the Items button, the following screen will show up.



Create one new item per measurement.

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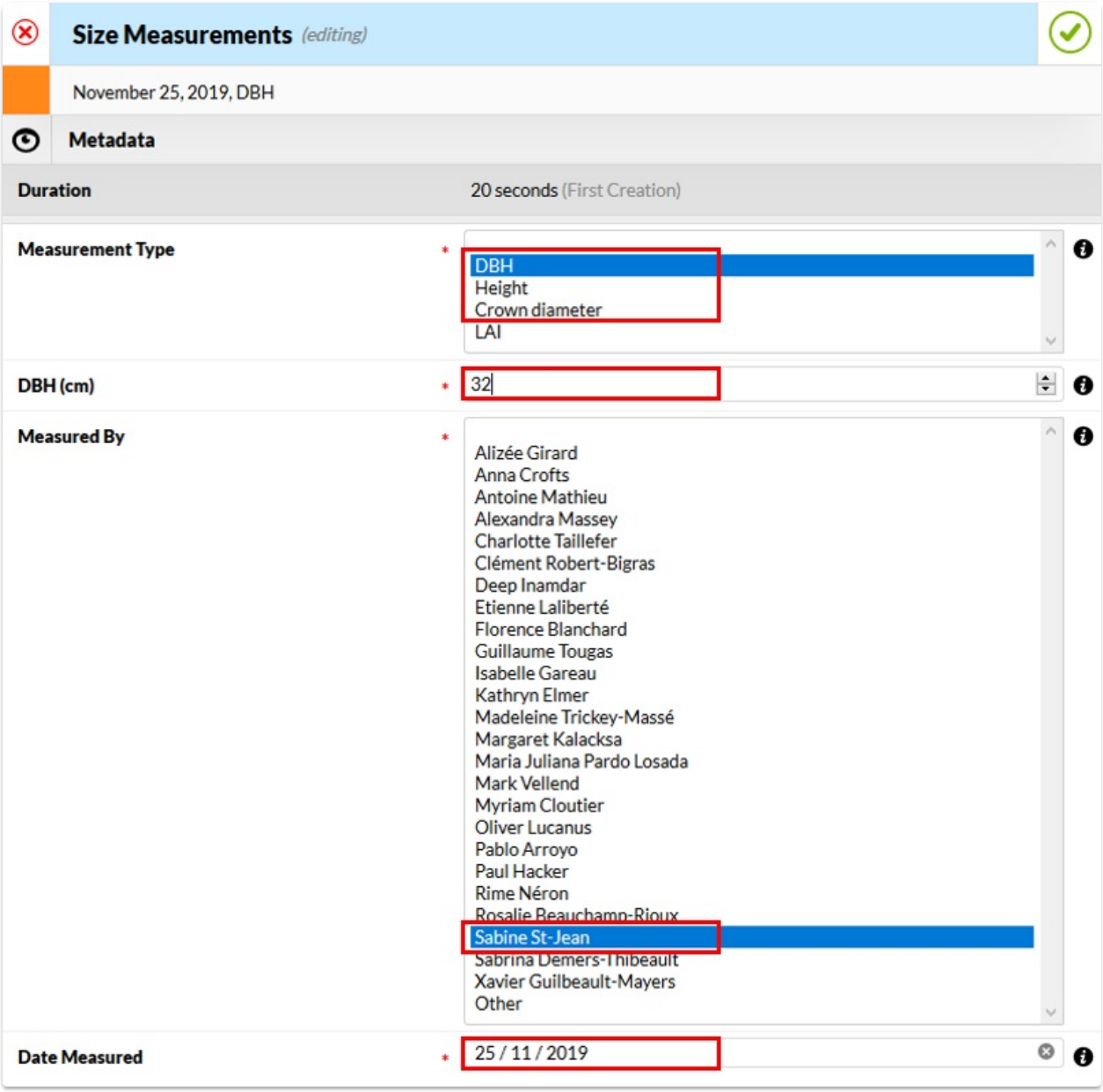
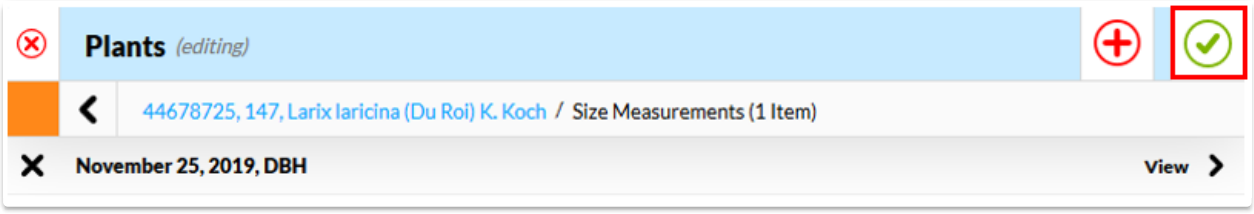


Save your size measurements.



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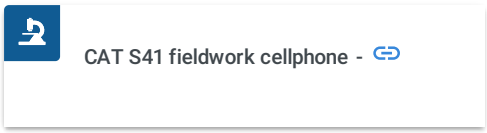
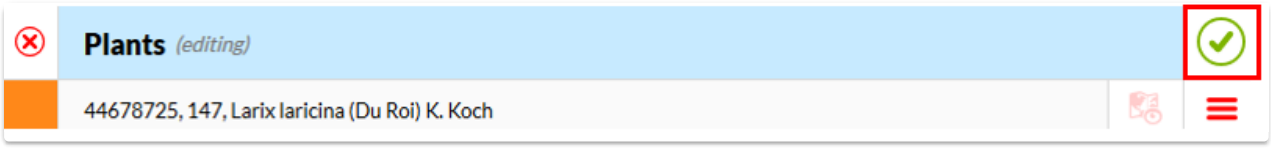
4 Save your record.





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