Plan Overview

A Data Management Plan created using DMPTool

Title: Harmon Canyon, Oak Tree Survey, tree canopy density comparison to plant species density

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Funder: Digital Curation Centre (dcc.ac.uk)

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Project abstract:

Surveying Harmon Cannoyons Oak trees and understanding the Canopy cover and the biodiversity that lies under the cover.

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End date: 05-15-2024

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Harmon Canyon, Oak Tree Survey, tree canopy density comparison to plant species density

The data collected targeted the oak trees in Harmon Canyon, collecting the height, Lat, log, width, canopy cover facing south and north, leaf litter, acorn count, and more. The individual collection is identifying and counting the amount of plant life below the canopy at the range of 3 feet from the base of the trunk.

The data collected is on Google Sheets and written by hand.

other data is online articles and data sheets about the area or an area that is a close resemblance to Harmon Canyon.

Data that will be collected will start by hand and then be transferred into Google Sheets or into GIS to understand a visual aspect.

The data will be stored in folders from the start of the data collection to the final part.

Start with writing on hand our data and then transfer the data into Google Sheets and after into GIS, We will have name orinated folders that will organize our data neatly.

Some data that will help with showing visually and or just the overall data will be the mapping of GIS areas, Graphs, and written Excel sheets of the whole collection of data.

My metadata standards would be comparing my Excel data with my written data. I will then transfer most of all my written data and compare some of the other broad data collection. I will then place this data on my website where all the data can be found and stored showing off the graphs or the GIS mappings and visual aids to help people understand.

I will manage issues by having backup saves and data. I will write down most of the easy hand-written parts just for backup and then create more backup saves for the main part of my teams and my data.

I would have most of my data owned by me and the team and for the most part I will be wirting my own work from my own words but might take some ideas from other works around but always make sure I show my refrences to 3rd party works and data.

I have files stored on my home computer and then also files on online cloud servers to have the safest way to keep all my files safe. I will make more than one safe to have backups, and I think that the whole team will be working together as a whole to make proper backups and ensure we don't lose any of our data processes.

If the data is lost we have written down our files and kept them in a safe file holder.

For management in security and access, we would have our passcodes saved in a group chat or written down so we all know. We will make sure we create backups right after we collect our data but for the most part, we all have access to our data collectively.

The main data which is the collection of all the trees that needed to be surveyed and measured is the main key data we all use for the whole group which is the most important part then the secondary data which is either the collection and scanning of several biodiversity in plants under the tree canopy or walking trails or acorn count are next but for the most part our main data is the most important.

The data will be the main head of the whole project and we place our secondary data on each part of the main data.

the main collective data is going to be held in the group's Excel sheet with every part of our written data already formatted. We already shared the data with the whole group and we have complete the collection of the data.

The data will be shared with a Groupd Excel sheet where we have all our collected data placed on it and then with our data we will use the data that we found and compare or use the main shared data. We don't need an identifier for the data as we all share the same files in the cloud saves.

the main collective data is going to be held in the group's Excel sheet with every part of our written data already formatted. We already shared the data with the whole group and we have complete the collection of the data.

Izzy one of the members in the group has been the manager of our files for data for the most part we all have the files shared and we all encouraged each other to make backup files on our own just in case of anything. We all share the same minor role when it comes to our data but for our data, we only share with ourselves but should implement cloud saves on these data so we can share or have backups.

The only thing we need to use for our data is Excel, GIS software, and maybe some other mapping. We also are using Google drives for most of our file uploads and also we have hard drive files to save on our own. No charges are applied as most of the software is provided with school help. Training for the tools that we had for the data is already done but we had training.

Planned Research Outputs

Data paper - "100 tree survey, scanning plant biodiversity under the tree canopy's. "

This research output is going to be understanding and learning about the tree canopy density and whether or not the higher or lower canopy density will affect plant life to growth and whether or not the more recent fires affect the canopy size which could have affected the growth rate in plant diversity underneath these canopy covers.

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
100 tree survey, scanning plant biodiversity under ...	Data paper	2024-04-19	Open	None specified		None specified	None specified	No	No