**PURPOSE**

Study the spatial and material qualities of the project site. Submission must be in a PDF document. Assignment can be hand drawn or computer aided (or a mix of both).

**SUBMISSION**

**1. Site Mapping [4%]**

- Ecological Vegetation Classes analysis (1xA3, pdf)
- Connectivity analysis (1xA3, pdf)
- Sun/shade and Microclimate analysis (1xA3, pdf)
- Fauna sighting mapping (1xA3, pdf)

**2. Spatial Analysis [11%]**

- Existing condition mapping (5xA3, pdf)
- Form-generation exercise (2xA3, pdf)

All student assignments are to have a title block. This will be located on the bottom or right hand side of your document. Info to include: Subject details, student details, tutor details, N symbol, drawing info, scale bar and scale and the legend. If the legend doesn't fit this can be to the side of page.

**PROJECT SITE**

**Galada Avenue Reserve, Parkville**

**INSTRUCTIONS**

**1A. Ecological Vegetation Classes analysis**

- Produce a site analysis plan showing clearly the Pre-1750 ecological vegetation classes distribution.
- This plan shall include contours, aerial photos and EVC information. All EVC information shall be labelled (number and name).
- Instructions for this task are below:
    - How to find and download open-source data (optional)
    - How to compile data and publish map using QGIS (optional)

    - A2 1A data pack.zip  Download A2 1A data pack.zip
      Please note this is A2. Please crop or reduce scale to fit on A3 page.
- If you follow step I and II above, you will be able to adjust the outputs with greater flexibility and learn a skill or two along the way. If you are having issues with QGIS or accessing those websites,  you can start with the three A3 maps included in the data pack above.

***Alternative

**Naturekit** can be used to find the same information.

Link: https://www.environment.vic.gov.au/biodiversity/naturekit
(Links to an external site.)

Directions: Open the app and zoom into site (by double clicking).
> on the left hand side menu, untick all boxes
> click on vegetation, press the + mark and tick 1750 EVC.
This provides you with the with the information requested in 1A. You can single click on the different colours on the map to receive the EVC info or
> LHS menu, next to layers is three lines. Click on this to “show legend” with EVC info also.
> clicking on “I want to” on the map screen creates a pop up menu, scroll down to “I want a PDF” to save.

**1B. Connectivity analysis**

- Produce a site analysis plan highlighting all the major water-bodies & green space within a **2km radius** from the project site.
- Label all major features (e.g. large areas or important cultural marks).
- Map these features manually by using Nearmap aerial or any other map you have access to.

**1C. Sun/shade and Microclimate analysis**

- Produce a sun, shade and microclimate analysis by following the instruction below.
    - A simple site model is provided here.

    - Go to https://drajmarsh.bitbucket.io/sunpath3d.html (Links to an external site.)
    - Type in the location of our site and screen grab the impact of building shade on our site during the below times.
    - Capture one screenshot each (four in total) with the following setting:
        - Solstices 21/06/2022 9am & 21/12/2022 2pm
        - Equinoxes 20/03/2022 12pm & 23/09/2022 12pm
    - Put these four screenshots on an A3, with title and labels
- Do not have it as a "zoomed out" model of the site, zoom in and have it easy to understand.

**1D. Fauna sighting mapping**

- Produce a site analysis showing all fauna sighting within a 2km radius of the project site.
- Use your Connectivity analysis plan as the base of your map.
- How to here (walk through by Way Kin, previous DLS co-ordinator)

**2A. Existing condition mapping**

- Study the virtual site visits of the project site and map the existing conditions. You may annotate your drawings, giving additional info to existing conditions. E.g. pathway use, car parking locations etc.
- Look for an aerial image of the site from Nearmap to assist your mapping
- Produce a set of base plans at 1:250 @ A3 (5xPDFs)
- Base maps:
    - A set of PDF base maps is provided **here** for those who prefer a hand-drawn workflow.
    - For those who want greater control of the data using CAD or GIS software, see this **GIS and DXF data pack.**
    - A DWG file is now available for those who are having troubling importing the DXF into AutoCAD.
    - Base maps are not 100% accurate and have errors in them, which is common for large scale survey. It is your task to amend and add as much details as you can. See Rubric below for details.

**2B. Form-generation exercise**

- Select two locations where you will be inserting a new landscape element in each of the two. It could be a replacement of existing or an addition.
    - You will need to back your design up with a form generation theory, from Susan Herrington's book Landscape Theory in Design from Tutorial week 4.
    - You will also need to describe the final form, preferably with the terminology introduced in Catherine Dee's book Forms & Fabric of Landscape Architecture from tutorial week 3. Using terminology from the readings to describe that you have designed.
    - Describe your design with a minimum of 50w on each drawing. Annotations can be used to unpack intended qualities of your design that may have been non existent or augmented from the previous design.
- Produce an A3 sketch/photomontage/drawing of your design for each location, complete with the surrounding conditions. Hand drawn or computer.

Any sources of information used external to the resources provided need to be referenced in **APA style 7**.