

# Ecological Monitoring System Australia

## Caching Map Tiles in Monitor

### Overview

To ensure that Monitor runs as quickly as possible, map tiles are not stored and therefore must be loaded to the device before working offline. We recommend that users download the map files for their survey area and surrounds, on each device, before going offline or using the app in the field. These are the steps to cache map tiles for use in Monitor while offline.

### Equipment

- Android device with Monitor App installed
- Strong and stable internet connection

### Caching Map Tiles

1. Ensure that your device is connected to a strong and stable internet connection.
2. Open either the 'plot selection' or 'plot layout and visit' protocol in the Plot Selection module.
3. Navigate to and select 'choose on map'.
4. Allow time for each map tile to load, ensuring that the area nearby your sites has loaded, including any important landform features.
5. Take time to zoom in to each layer and allow tiles to load. Only the tiles which load on the screen now, will be available when the device is offline.

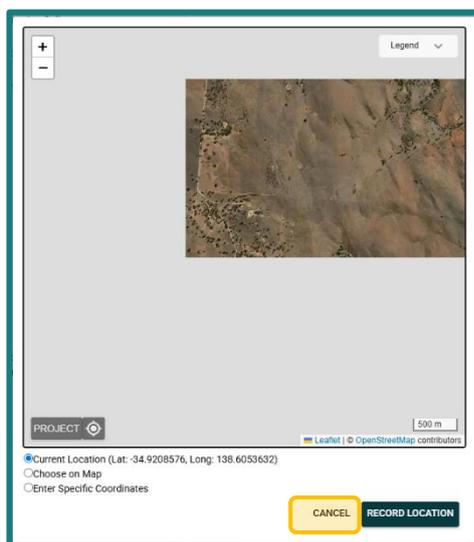


Figure 2: Screenshot of map in Monitor app with map tiles partially loaded and highlighting the 'cancel' button

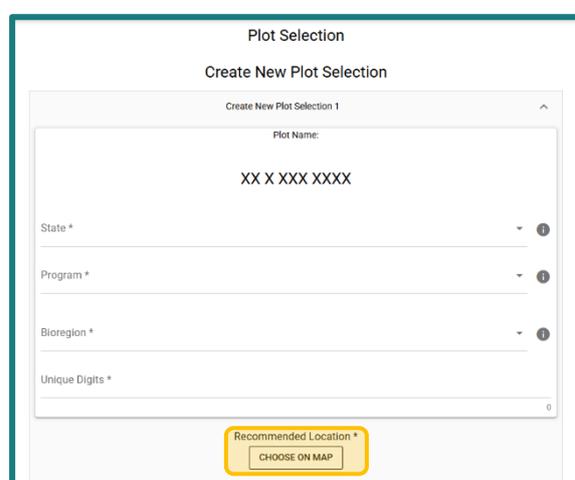


Figure 1: Screenshot of the Monitor app highlighting the 'choose on map' button

6. Map tiles are automatically stored as they are loaded and there is no need to manually save any map tiles. After enough relevant map tiles have loaded press 'CANCEL' and then exit the protocol without saving.
7. On the projects page, select the 'Plot Selection and Layout' module again and delete the collection which was opened for caching map tiles. This reduces the chance of errors resulting from open but 'unfinished' collections.
8. Cached map files will now be available offline. *Note that this is device specific and the caching process should be completed on any device which will be used in the field.*

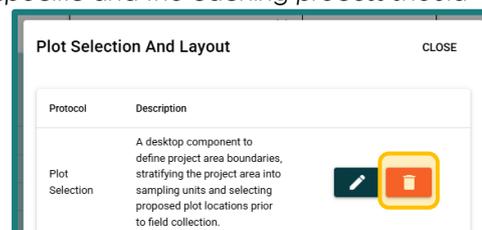


Figure 3: Screenshot of Monitor app showing the button used to delete an unwanted collection