

ArcGIS is a software tool that can be used to aid data collection in the field. Empty layers are created in such a way that they are ready for data to be stored in them and then these layers are posted onto a template map which allows the researcher to geolocate data in the field. In this example, land use data will be collected and displayed.

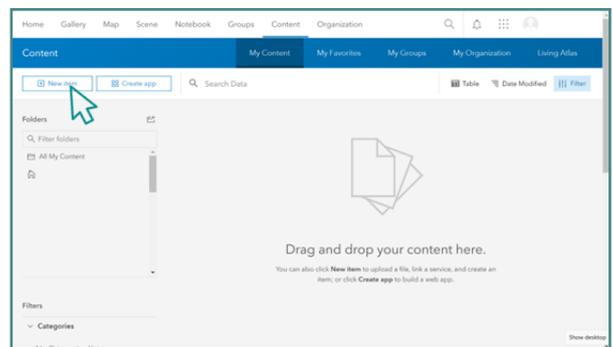
1. From your or your organisation's HOME page, select CONTENT.

1



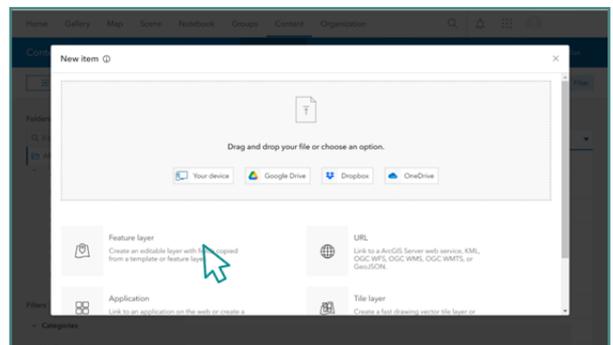
2. Select NEW ITEM.

2



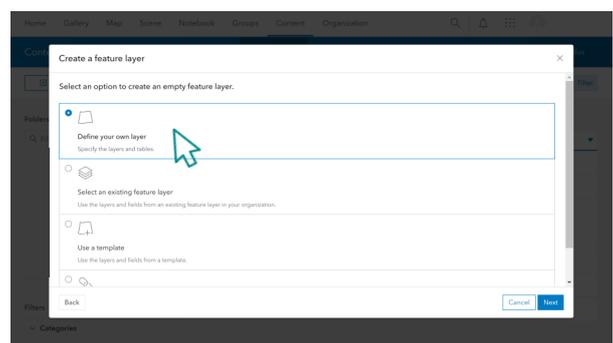
3. Select FEATURE LAYER

3



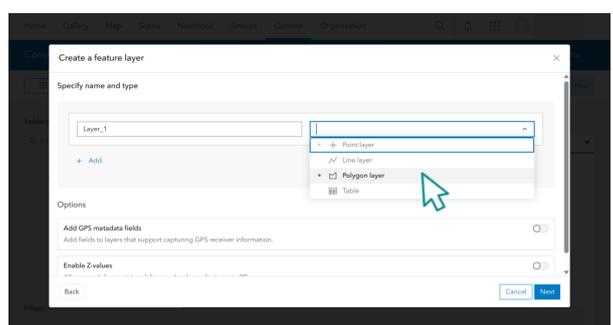
4. Select DEFINE YOUR OWN LAYER and click NEXT

4

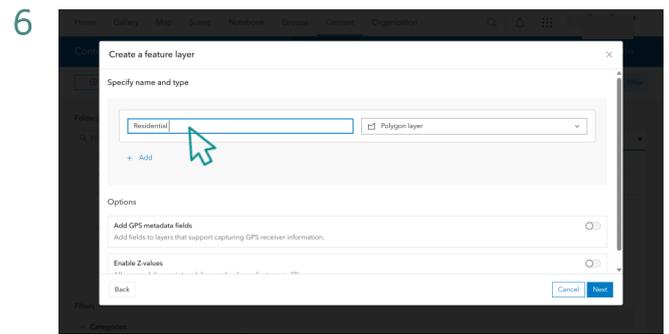


5. Select POLYGON LAYER from the drop down menu.

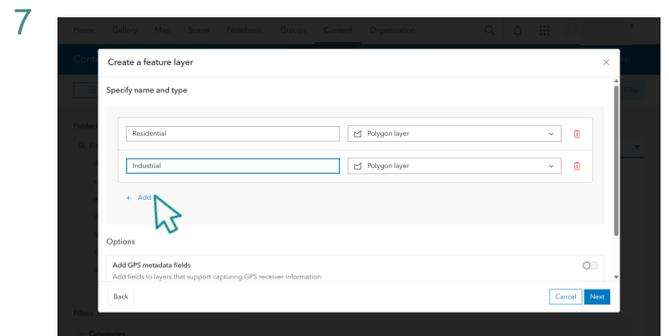
5



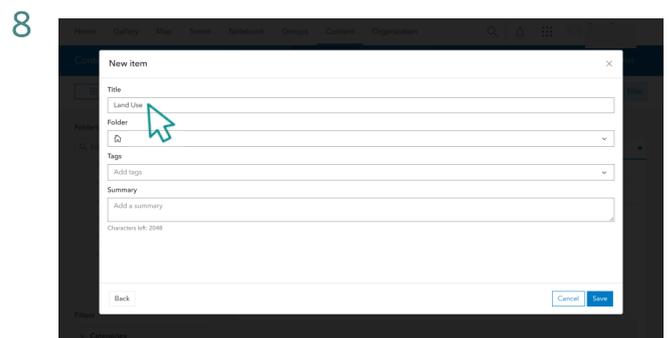
6. Give the layer the name of a land use category (such as 'Residential')



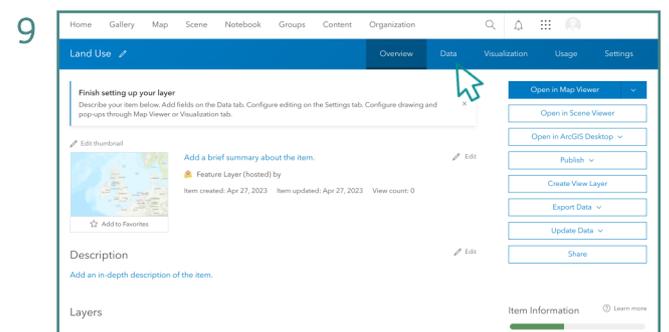
7. Select ADD and continue adding layers for all the land use categories you need. Select NEXT.



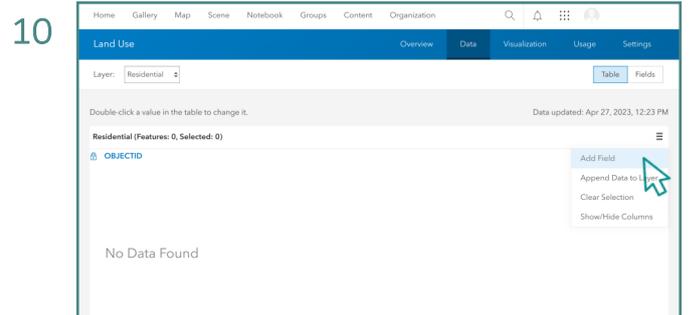
8. Give the layer collection a title (such as 'Land Use') and select SAVE.



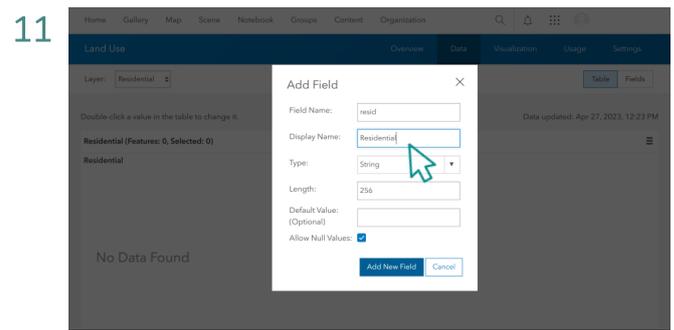
9. Select the DATA tab.



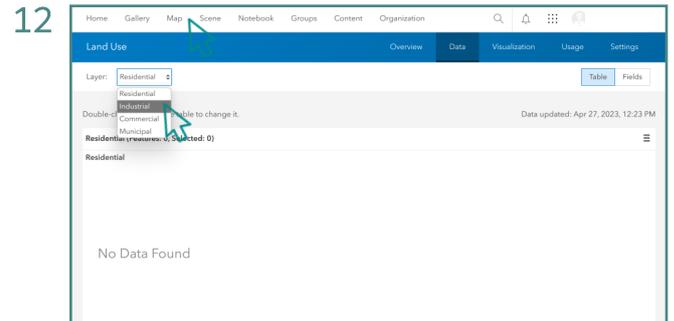
10. From the three line symbol (Options menu) on the right hand side of the screen, select ADD FIELD.



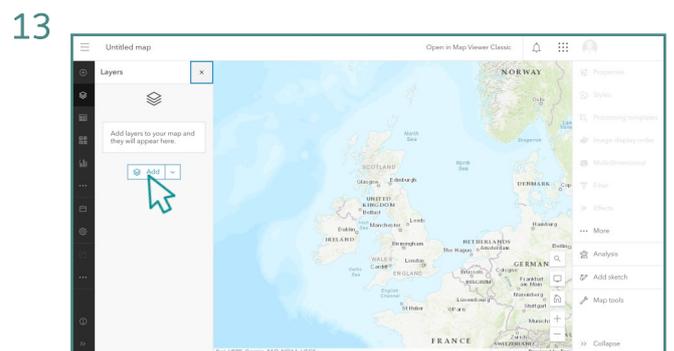
11. Give an appropriate FIELD NAME and DISPLAY NAME. Select ADD NEW FIELD.



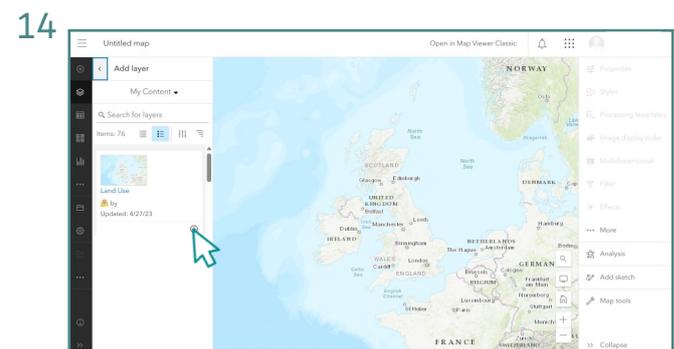
12. Repeat steps 10 and 11 for each land use layer in the collection. Then select MAP.



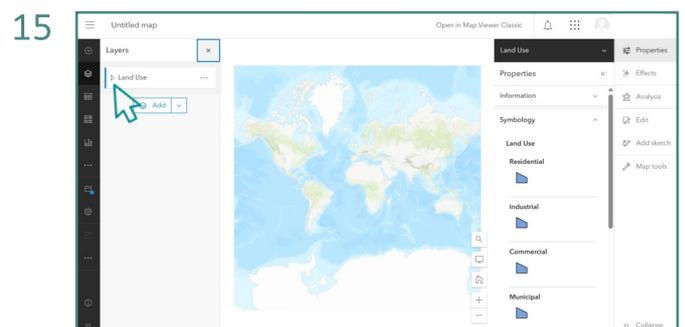
13. Select ADD to add your new layer to the map.



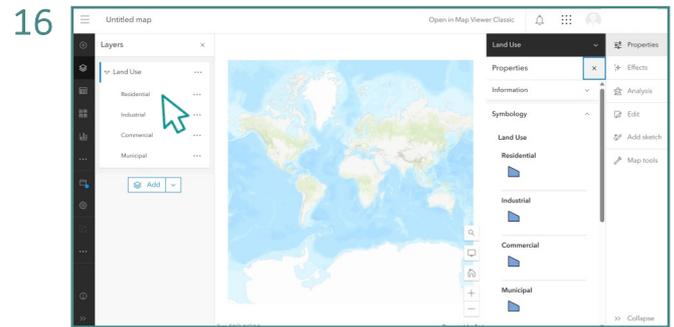
14. Select the Land Use layer and click the + symbol.



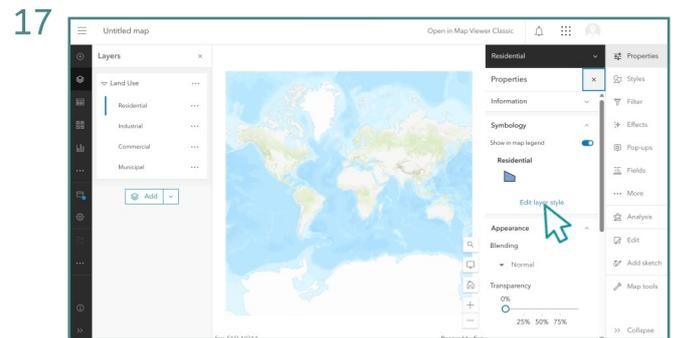
15. You will notice that at this stage all the land use categories have the same colour. To change this select the ▸ symbol next to the land use title.



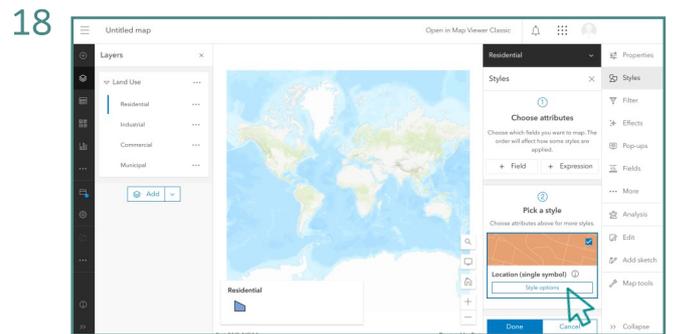
16. Select the layer you wish to change the colour of (e.g. Residential).



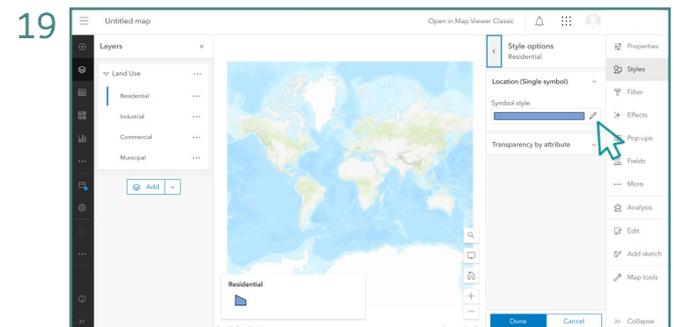
17. Select EDIT LAYER STYLE.



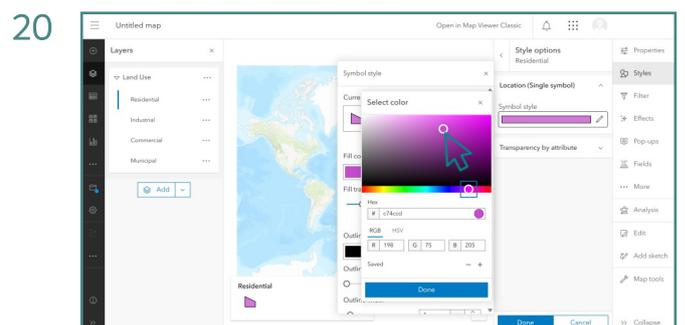
18. Select STYLE OPTIONS.



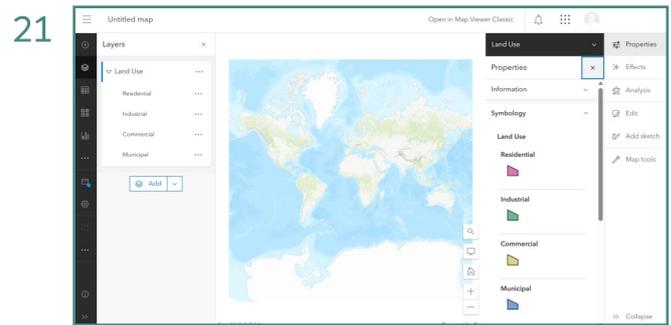
19. Select the pencil symbol next to SYMBOL STYLE and you will be able to change the fill colour.



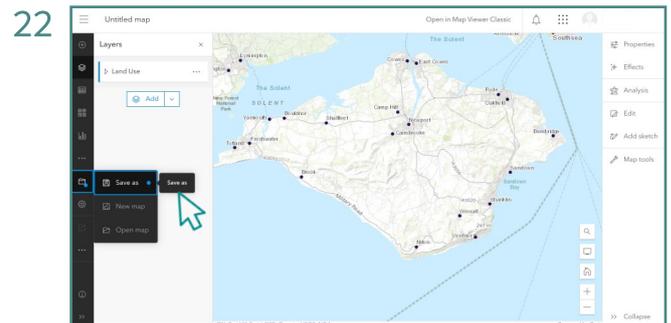
20. Select a colour from the palette and click DONE.



21. Repeat steps 15 to 20 until all the land use categories you have chosen are displayed using different colours.



22. Select SAVE AND OPEN from the left hand menu and then select SAVE AS. Give the map an appropriate title and select SAVE MAP. The topographic basemap that is used as a default is appropriate for the purpose of land use.



23. Open the FIELD MAPS app on your mobile device and SIGN IN.

23



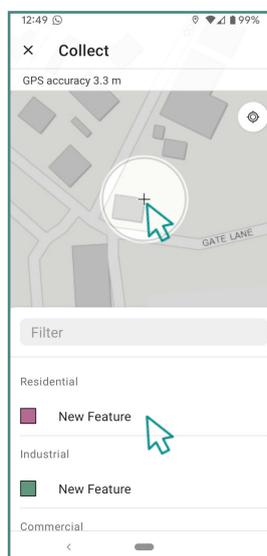
24. Select the land use map you have previously saved.

24



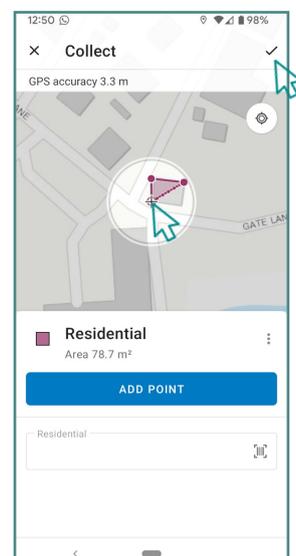
25. Hold your finger down on the map on the location where you wish to enter data. Start in the corner of a building you wish to allocate a land use to. A pin will be dropped there. Select COLLECT HERE. Then select the type of land use that you wish to record (such as Residential)

25



26. Using the ADD POINT button, add a point to each corner of the building on the map until a polygon is drawn over the top of the grey basemap. Then select the tick in the top right hand corner of the screen to save the polygon.

26



27. Continue until all the desired land use areas have been recorded.

28. Opening the map in ArcGIS again will reveal that the data points that were collected remotely have now been added to the map.  
Don't forget to resave your map now you have data added to it.

27



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