GEOKNOW- USER MANUAL

FOR YOUR NATURE NEEDS

GeoKnow is a fictitious, non-profit organization, with the goal of providing information about South Africa's nature reserves, protected areas and conservation ecology. The idea behind GeoKnow is to provide users with information of the natural beauty around them and provide directions in order to traverse South Africa's terrain such that anyone can get anywhere.

ArcGIS Web App Builder & Web Map

Title: 22913998_713A1

Please note, both the map and web app have the same name.

https://cga-sun.maps.arcgis.com/apps/webappviewer/index.html?id=b0fb7c8e85124b1fac1f582183adec2b

TOOLS & FEATURES

The following list of tools can be found in the side bar tab

ADDING DATA

- Users are given the option to freely add any data whether it comes from a URL or file. You can simply add the data layer to the map and have it be completely editable for your viewing pleasure.
- Along with adding different layers, the BaseMap option is also available in order to view the various base maps available through Esri Basemap gallery.

LAYERS LIST

- Here users have access to all the current layers being displayed within the map.
- Useful for identifying and understanding the symbology used throughout the map and aiding in the discovery of locations and features.
- As layers are added to the map, the layer list will automatically update and account for the new layers.

LEGEND

- Similar to the layers list, the legend tab provides the view with a detailed look of the legend provided. As the user moves to different extents, the legend automatically updates to provide as much relevant information as possible.

PRINT

- The print function is a simple tool which allows user to print an image of the map set to their current viewing extent.
- Simply, zoom to your extent of preference and select the print tab to get a printable pdf of your extent.

ABOUT

- The about tab provides some background info of GeoKnow along with its logo and slogan

TOOLS & FEATURES CONTINUED…

The following interactive tools can be found on the map.

HOME

- The tab with the image of a house, provides the user with a means to zoom to a default extent, set to a total extent of the country inorder to provide a good over start point for the user.

ZOOM

- The plus and minus options provided above the home feature can be used to zoom the extent in and out respectively
- Other ways of zooming can be through using the mouse or touchpad if the user is working on a laptop/computer, or by using your fingers to zoom in if the user has the application on a mobile device.

ZOOM TO YOU

- Found below the home tab, the zoom to you feature, first asks the user for their current location through googles GPS link and then zooms to the exact location of the user's device.
- Useful for locating yourself with reference to the nature reserves.

SEARCH

- As seen in the screenshot to the right, the search tab can be used to find any location and take the user to a zoomed in extent
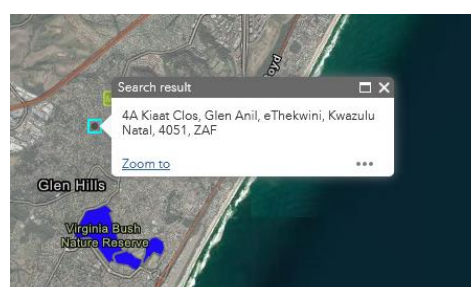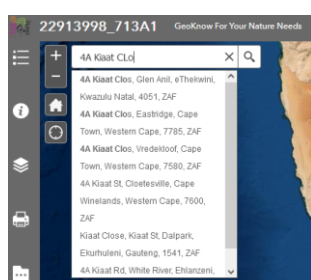
DISTANCE AND DIRECTION

- The first tab found below the search bar and next to the Home tab, is the distance and direction tool.
- Here, the user can set, type, search or simply drop a pin at a start location and select an end location.
- Next, they can set the mode of transport as well as any additional stops
- The directions tool provides the user with the most efficient means of getting to their location and provides an estimated travel time and direction.
- Along with the appropriate names of each road, intersection and freeway they will be travelling along


- The above images provide a simple explanation of what can be expected when using the directions and distance tool.

NEAR ME

- Located to the below the search bar and in the middle of the three widgets.
- The near tool acts as a guide for users to understand their surroundings.
- By simply clicking on the tab the users will be asked to enter an address or simply drop a marker wherever they choose, this can also be set to your current location.
- Next users will be asked to set a search radius, the default is set to 20km however, users and decrease or increase this radius to 200km in order to understand what is around.
- Once search is selected the tool locates all the information within the set radius and provides a pop up of the information as well as directions, distances and time to travel for any feature identified.
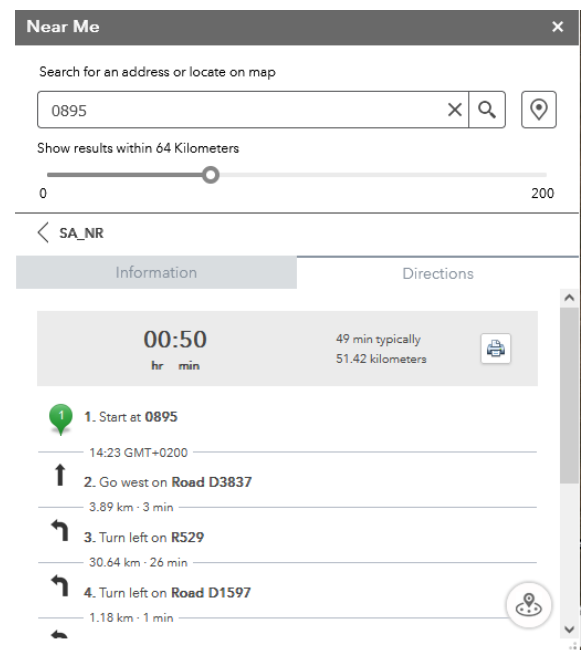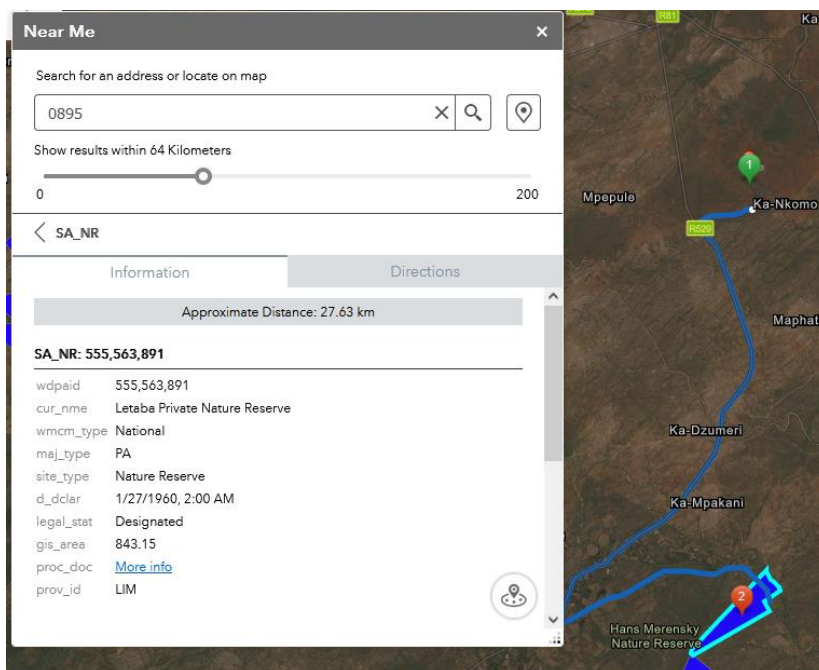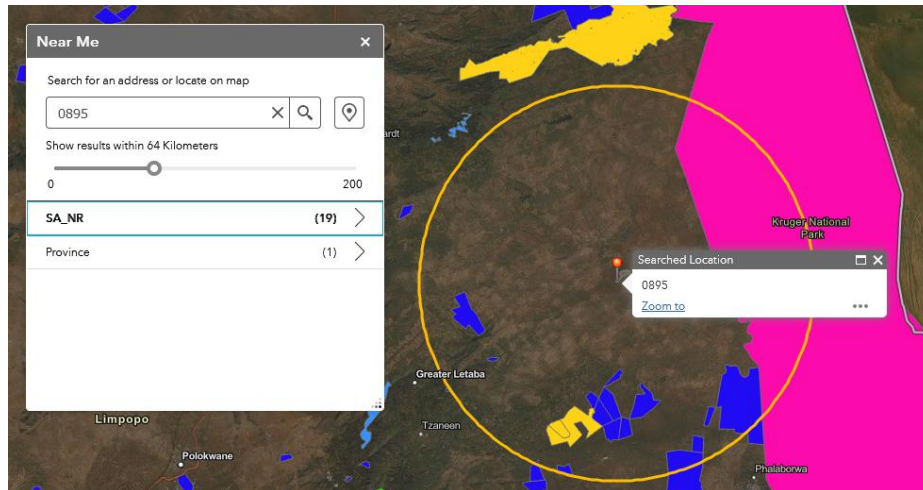
SELECT

- The last tool found to the right of the near me is a simple select tool which allows users to simply select anything and provides as much information back to the user as is available.
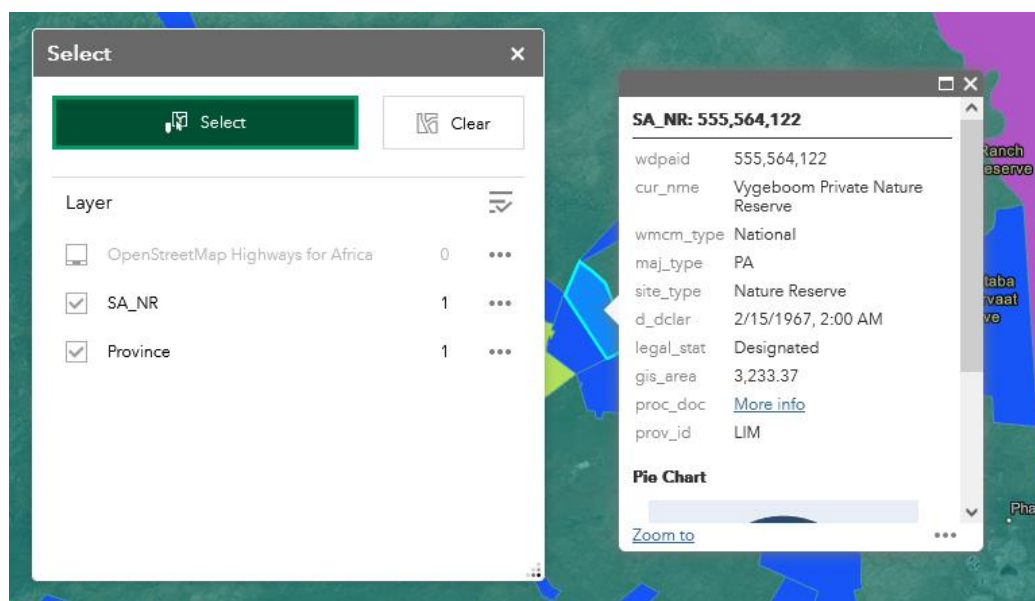
ATTRIBUTE INFO

- The final tool available is that of the attribute info table which can be accessed through the pop up tab found at the bottom of the map, in the footer.
- Users can access all the information pertaining to various layers and perform searches, edits and zoom to specific points of interest.
- Users can also add fields for their own interest

wdpaid	cur_nme	wmcm_type	maj_type	site_type	d_dclar	legal_stat	gis_area	proc_doc	prov_id
873	Kruger National Park	National	PA	National Park	7/26/1926, 2:00 AM	Designated	1,916,915.36	https://portal.environmer /PortalDownloads /PACA_Gazettes/PA/NP /Kruger_NP.pdf	LIM
32,919	Modjadji Nature Reserve	National	PA	Nature Reserve	3/4/1983, 2:00 AM	Designated	305.61	https://portal.environmer /PortalDownloads /PACA_Gazettes/PA/NR /Modjadji_NR.pdf	LIM
555,563,514	Grootbosch Nature Reserve	National	PA	Forest Nature Reserve	10/28/1988, 2:00 AM	Designated	4,547.62	https://portal.environmer /PortalDownloads /PACA Gazettes	LIM

22 features 1 selected