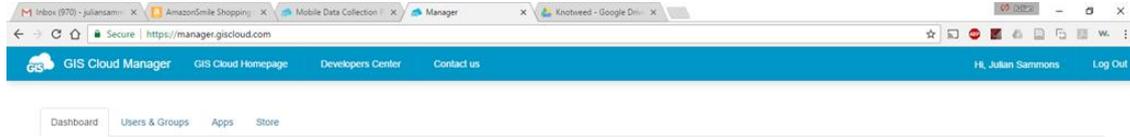

GIS Cloud

“We had a good run, Trimble. But I
feel like it’s time for me to move on.”

In 2017, the \$1300 Trimble Nomad is still sold with Windows Mobile 6.1 (from 2008)

Setting Up a “Project”



I want to

Create, upload, author, publish & share my spatial data



Start

Collect, inspect and manage field data



Start



At the “Dashboard” you can select the map editor (left) or the projects editor (right). Open the project editor to create a form for data collection.

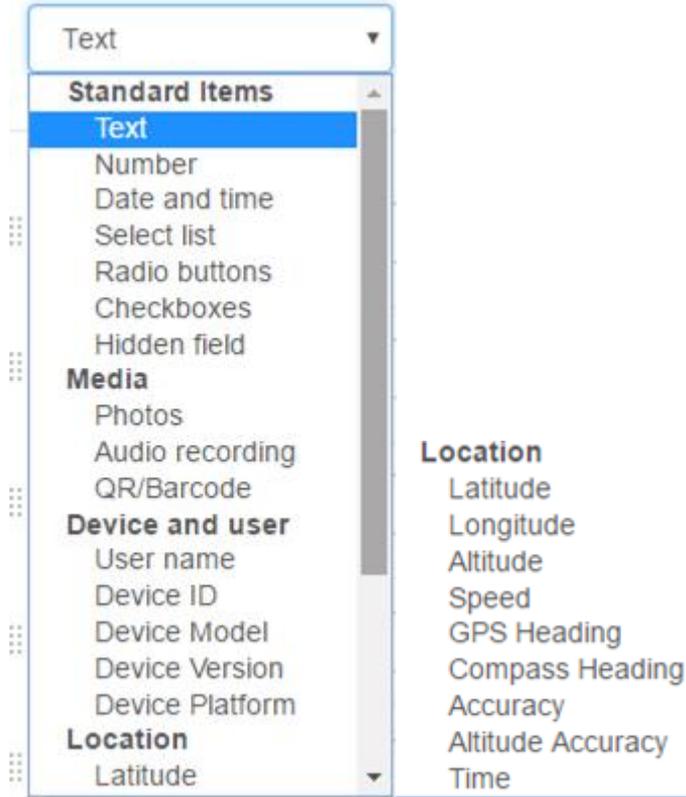
Creating a Form ("Project")

The screenshot shows the 'New project' page in the MDC GIS Cloud application. The browser address bar shows 'mdc.giscloud.com/?'. The page has a blue header with 'New project', 'Log Out', and 'Help' links. On the left, there are input fields for 'Olympic Demo', 'Copyright', and a text area for 'Demo for working group', with a green 'Create project' button below. The main area is titled 'Form items' and contains a table of form fields. The first field is a 'Select list' named 'Location'. Below it is a section for 'Add description' with options for 'Persistent' and 'Required' (checked). It lists three items: 'Left Bank', 'Right Bank', and 'Value', each with a 'Label (optional)' field and a 'No default' radio button. The second field is a 'Text' field named 'Area (sq. ft)'. The third field is a 'Select list' named 'Stem count', with four items: '1', '2-10', '11-50', and '\$1-100', each with a 'Label (optional)' field and a 'No default' radio button. A chat icon is visible in the bottom right corner.

Form items

| Type | Name | Details | Delete |
|--|--------------------------|---------------------------|-----------------------|
| Select list | Location | Details | Delete |
| Add description | | | |
| <input type="checkbox"/> Persistent | Items: | | No default |
| <input checked="" type="checkbox"/> Required | Left Bank | Label (optional) | <input type="radio"/> |
| | Right Bank | Label (optional) | <input type="radio"/> |
| | Value | Label (optional) | <input type="radio"/> |
| | Add item | Add group | |
| Text | Area (sq. ft) | Details Dependencies | Delete |
| Select list | Stem count | Details Dependencies | Delete |
| Add description | | | |
| <input type="checkbox"/> Persistent | Items: | | No default |
| <input type="checkbox"/> Required | 1 | Label (optional) | <input type="radio"/> |
| | 2-10 | Label (optional) | <input type="radio"/> |
| | 11-50 | Label (optional) | <input type="radio"/> |
| | \$1-100 | Label (optional) | <input type="radio"/> |

Adding Fields



Add fields as needed using the “Add new field” option. Select the desired type, and add. They can be further customized.

Customizing Fields

The screenshot shows a configuration interface for a field named "Stem count". At the top, there is a dropdown menu labeled "Select list" and a text input field containing "Stem count". To the right of the text input are two tabs: "Details" (active) and "Dependencies". Further right is a "Delete" button. Below the main configuration area, there is a section titled "Add description" containing two checkboxes: "Persistent" (unchecked) and "Required" (checked). The main configuration area is a table with the following structure:

| Items: | | No default | |
|-----------|------------------|-----------------------|---|
| 1 | Label (optional) | <input type="radio"/> | ⊖ |
| 2-10 | Label (optional) | <input type="radio"/> | ⊖ |
| 11-50 | Label (optional) | <input type="radio"/> | ⊖ |
| 51-100 | Label (optional) | <input type="radio"/> | ⊖ |
| 101-250 | Label (optional) | <input type="radio"/> | ⊖ |
| 251-500 | Label (optional) | <input type="radio"/> | ⊖ |
| 501-1000 | Label (optional) | <input type="radio"/> | ⊖ |
| 1000-2000 | Label (optional) | <input type="radio"/> | ⊖ |
| >2000 | Label (optional) | <input type="radio"/> | ⊖ |

At the bottom of the table, there are two links: "Add item" and "Add group".

“Stem Count” is a “Select List”, which creates pre-populated drop-down options. This keeps records consistent, and speeds up the process for the collector. This field is tagged as “Required”, so the collector must fill this out.

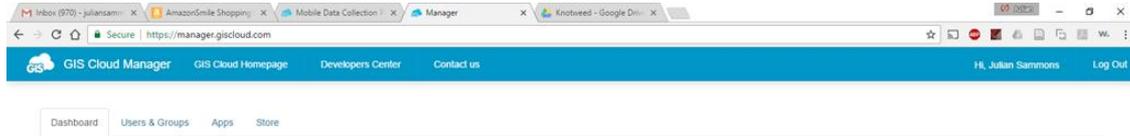
Create Project

The screenshot shows the 'New project' interface in the Mobile Data Collection application. The browser address bar shows 'mdc.giscloud.com/?'. The page title is 'New project'. The form includes the following elements:

- Project Name:** 'Olympic Demo'
- Copyright:** 'Demo for working group'
- Create Project Button:** A green button labeled 'Create project' is highlighted with a red box.
- Form items:**
 - Location:** Type: Select list, Name: Location. Includes options for Persistent, Required, and Label (optional).
 - Items: Left Bank, Right Bank, Value. Each has a Label (optional) field and a 'No default' checkbox.
 - Area (sq. ft):** Type: Text, Name: Area (sq. ft). Includes options for Persistent, Required, and Label (optional).
 - Stem count:** Type: Select list, Name: Stem count. Includes options for Persistent, Required, and Label (optional).
 - Items: 1, 2-10, 11-50, 51-100. Each has a Label (optional) field and a 'No default' checkbox.

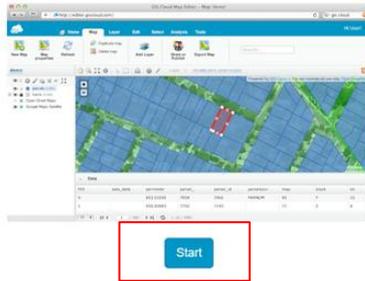
When finished, select “Create Project” to save it. You can always come back to edit it later.

Making a Map for the Project



I want to

Create, upload, author, publish & share my spatial data



Collect, inspect and manage field data



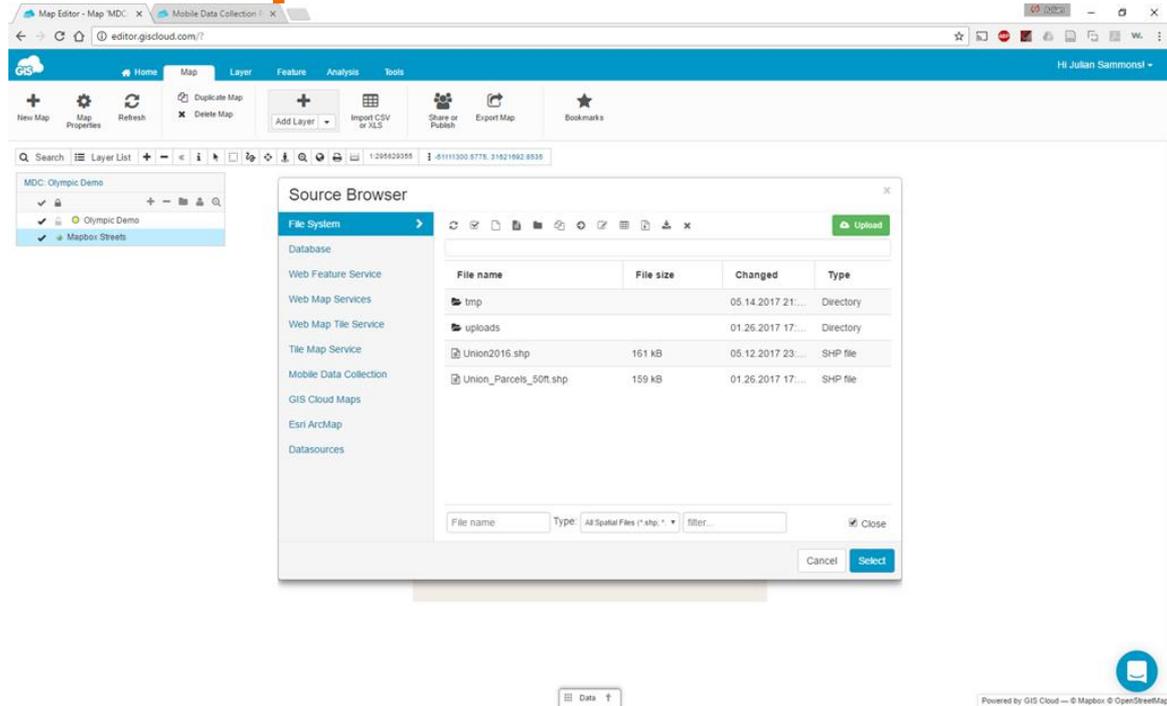
Open the map editor from your dashboard

Making a Map for the Project

The screenshot displays the GIS Cloud Map Editor interface. The browser address bar shows 'editor.giscloud.com/'. The navigation menu includes 'Home', 'Map', 'Layer', 'Feature', 'Analysis', and 'Tools'. The user is logged in as 'Hi Julian Sammonst'. A 'Create New Map' button is visible at the top left. Below the navigation, there are tabs for 'All Maps', 'My Maps', 'Maps Shared With Me', and 'Public Maps', with 'My Maps' selected. A search bar is present. The main area shows a grid of 16 map thumbnails. The first thumbnail, 'MDC: Olympic Demo', is highlighted with a red box. Other thumbnails include 'MDC: Inotweed', 'Olympic Working Group', 'Untitled map', 'Sample: Mobile Data Collection', 'Sample: US Unemployment', 'Sample: New York Counties', 'Sample: Honolulu - Utilities', 'Sample: Tax Rates', 'Sample: Female vs Male', 'Sample: Oil and Gas Fields', and 'Sample: WMS Geology'. On the right side, there is a 'Latest from GIS Cloud blog' section with several articles and a 'Video Channel' section with a video player.

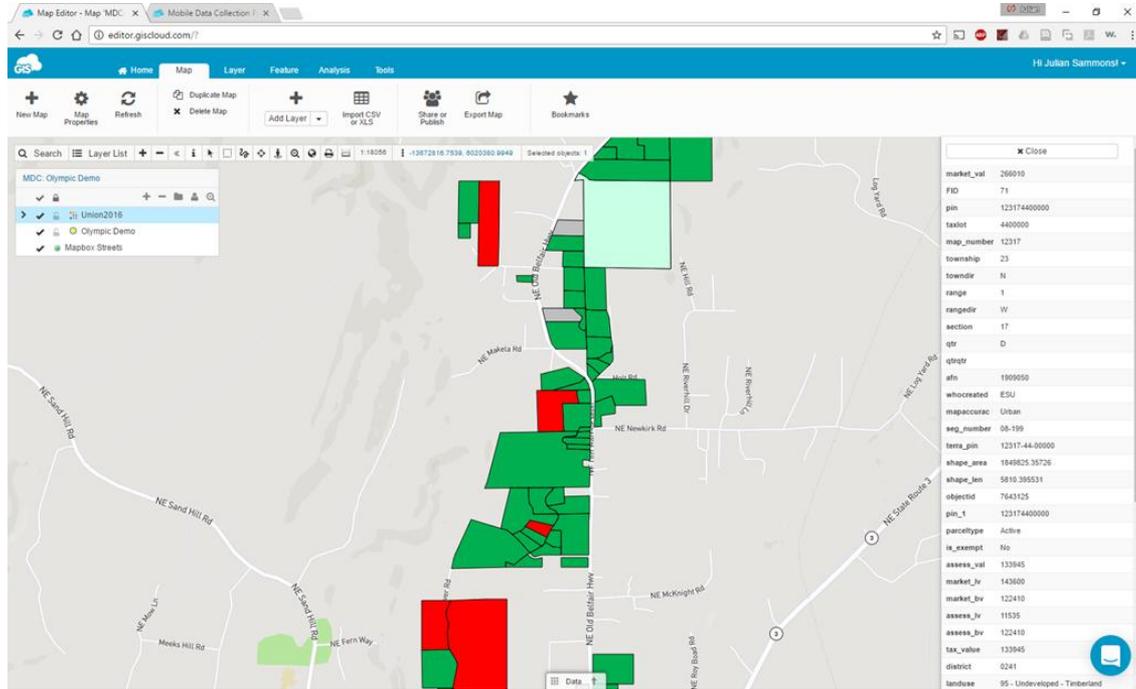
The project you just created will automatically appear under “My Maps”. Open it.

Adding your Shapefiles



The map comes with a base layer (you can choose between these), but you'll likely need your own shapefiles. Select "Add Layer" and upload your shapefile.

Shapefile Symbolology



The screenshot shows the Map Editor interface with a map displaying several colored polygons (green and red) representing land parcels. The interface includes a top navigation bar with tabs for Home, Map, Layer, Feature, Analysis, and Tools. A search bar and layer list are visible on the left. The right-hand panel displays the attributes for the selected feature, including fields like market_val, FID, pin, taxlot, map_number, township, townshp, range, rangedir, section, qtr, qtrdir, afn, whocreated, mapaccracc, seg_number, terra_pin, shape_area, shape_len, objctid, pin_1, parceltype, is_exempt, assess_val, market_lv, market_bv, assess_lv, assess_bv, tax_value, district, and landuse.

| Field | Value |
|------------|-------------------------------|
| market_val | 266010 |
| FID | 71 |
| pin | 123174400000 |
| taxlot | 4400000 |
| map_number | 12317 |
| township | 23 |
| townshp | N |
| range | 1 |
| rangedir | W |
| section | 17 |
| qtr | D |
| qtrdir | |
| afn | 1900050 |
| whocreated | ESJ |
| mapaccracc | Urban |
| seg_number | 08-199 |
| terra_pin | 1231744-00000 |
| shape_area | 184925.35726 |
| shape_len | 5810.395531 |
| objctid | 7643125 |
| pin_1 | 123174400000 |
| parceltype | Active |
| is_exempt | No |
| assess_val | 133945 |
| market_lv | 143600 |
| market_bv | 122410 |
| assess_lv | 11535 |
| assess_bv | 122410 |
| tax_value | 133945 |
| district | 0241 |
| landuse | 95 - Undeveloped - Timberland |

Click on a feature to display attributes

Sharing with Mobile Data Collectors



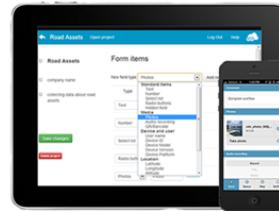
I want to

Create, upload, author, publish & share my spatial data



Start

Collect, inspect and manage field data

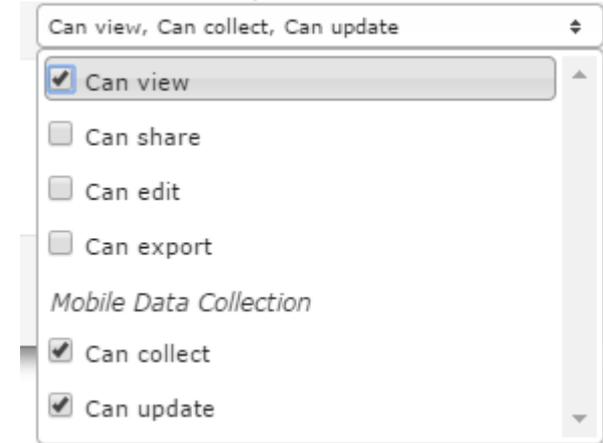
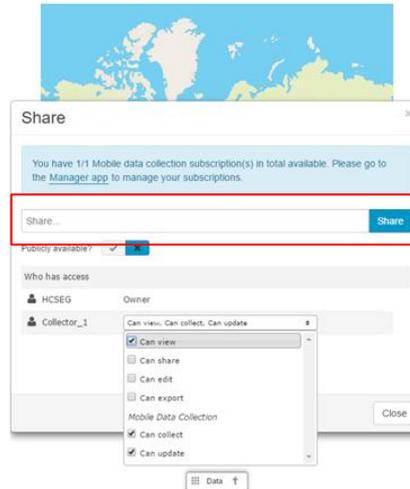


Start



Open the project editor to edit your project for sharing

Sharing with Mobile Data Collectors



“Edit Project” > “Share” > Enter Usernames and assign privileges (Licenses needed for MDC, but not for viewing)

Ready for MDC



The project is now set up by the Editor, and ready for MDC. Download the “Mobile Data Collection” app by GIS Cloud. Log in with a username associated with the account.

Olympic Demo

Getting location...

GPS (selected) Pinpoint

Location: Please choose

Area (sq. ft):

Stem count: Please choose

Photo: Album Camera

Date and Time (select time first)

Send Queue Map Settings

The 'Send' button is highlighted with a red box.

Please choose

- 1
- 2-10
- 11-50
- 51-100
- 101-250
- 251-500
- 501-1000
- 1000-2000

Please choose

Area (sq. ft):

Stem count: Please choose

Please choose

- Survey
- Treatment

10:51 AM

Action: Please choose

Send Queue Map Settings

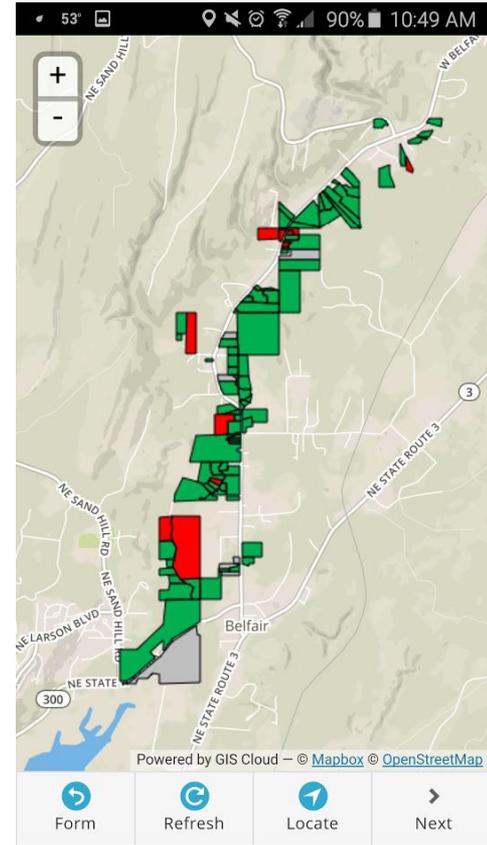
With the drop-down menu at the top, select the project of interest. Fill out the form. Click "Send" when finished. Some fields are automatically generated, and not listed (Lat-Long, accuracy, etc.)

Viewing Map in MDC

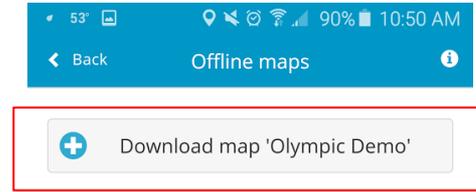
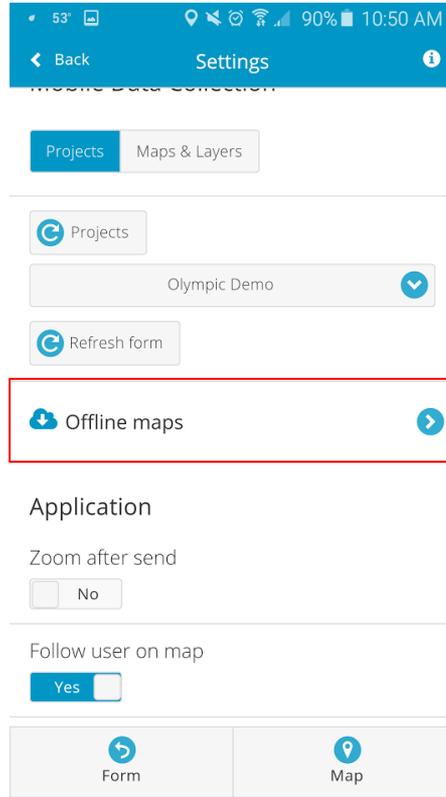
Select “Map” at the bottom to view the map. You can locate yourself with “Locate”.

You can zoom in/out as needed.

Touch a parcel to view attributes.



Offline Use



Downloading a map package will make a map available for offline use.

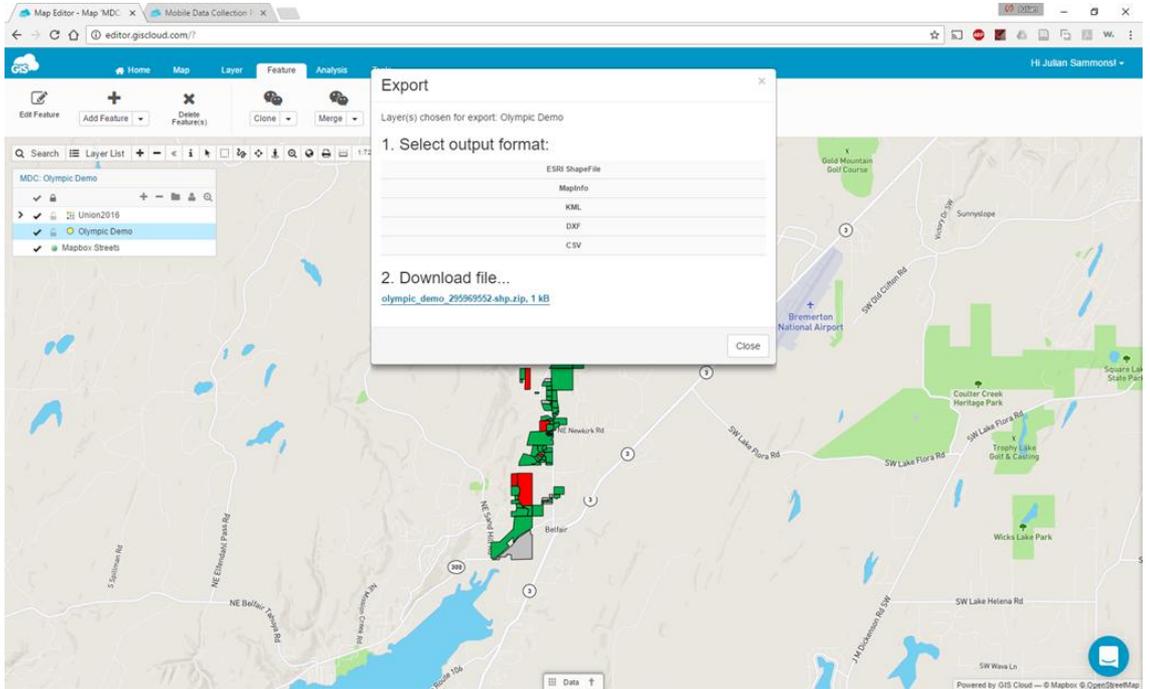
Please keep in mind the size of the download when using a limited data plan.

Projects can be downloaded for offline use. Data collected during offline use will be queued up and can be automatically synced up when a data signal is obtained.

Exporting Data

The Editor account can view the data as it is uploaded real-time.

This data can be exported in several file formats from a workstation and used in conventional GIS software.



GPS considerations

No GPS averaging function

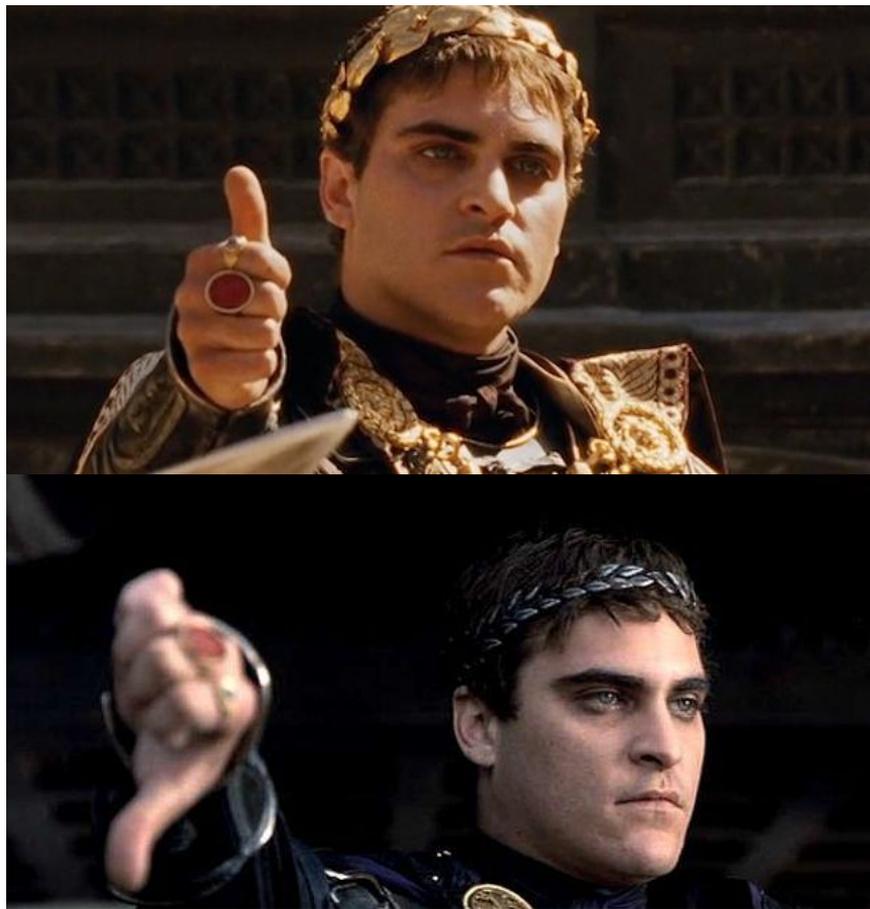
GIS Cloud is compatible with Bluetooth GPS receivers, which can be connected to a smartphone. Costs range from \$50-\$1700+

Can't collect polylines/polygons

For tracklogs consider running another tracking app simultaneously (e.g. Strava)

Demo it for yourself

You can create an account and go through all of these steps (except exporting data, and having multiple collectors) and try it yourself for free!



Subscription Costs

Regular Pricing:

- Month-to-month subscription (no contract). Data is preserved during periods without subscription.

- Editor License (comes with MDC capability): \$55/mo

- MDC License: \$20/mo

- Non-profit discount: 50%

We have one Editor license and one additional MDC license. As a non-profit our monthly cost is \$37.50 for up to two people to collect data in the field.