

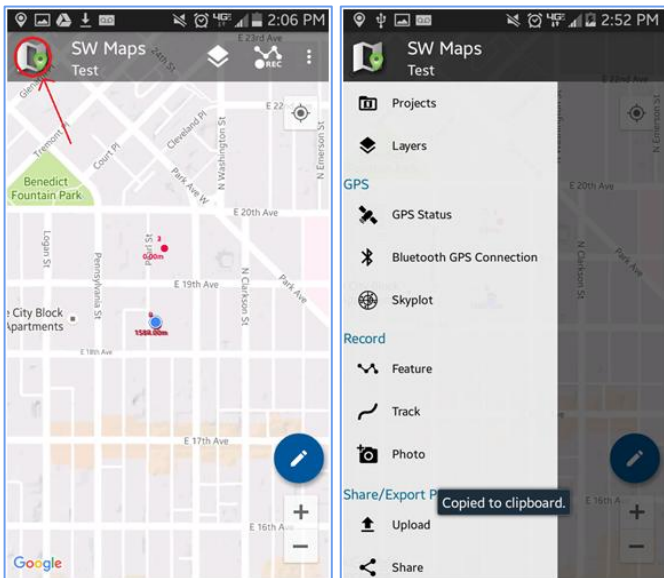
SW Maps



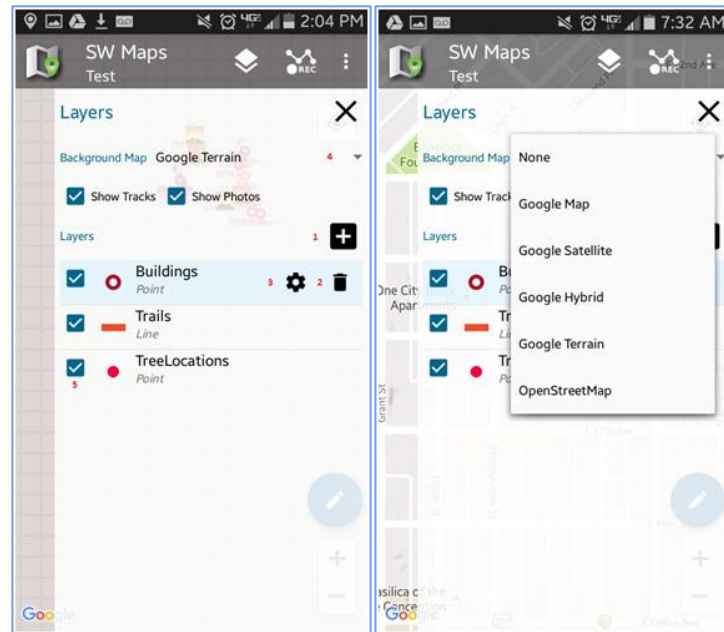
- SW Maps is a freeware field data collection application that can be downloaded from Google Play Store (*no iPhone App Store availability)
- Uses Google Maps as its source for base maps
- Performs well and is an easy-to-learn, user-friendly application

Main Screen and Menu

- Open main menu by tapping the SW Maps logo in the top left corner, as shown by the red arrow
- Allows user to create new data sets, collect data, verify GPS status, and share/export collected data

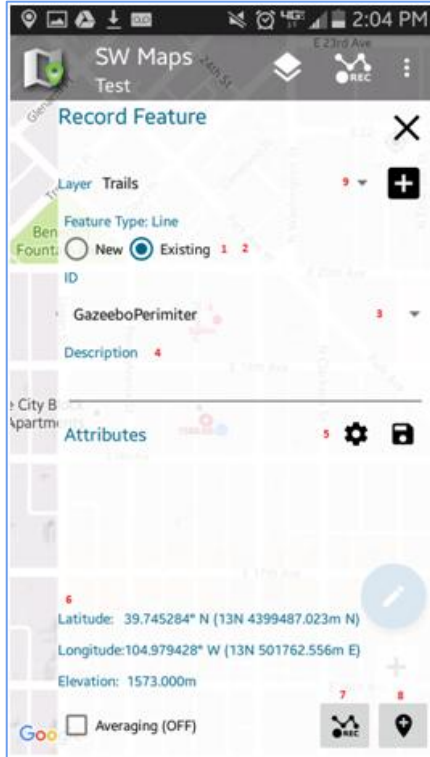


Layers



- (1) Add new layers to current active project
- (2) Delete existing layers
- (3) Modify individual layer settings
- (4) Change background map
- (5) Toggle visibility of individual layers on and off

Record Feature



- (1) Record new feature
- (2) Modify existing feature
- (3) Select existing features by user given names
- (4) Add a description for individual features
- (5) Add and define attribute fields
- (6) Displays latitude, longitude, and elevation values for current feature
- (7) Record point features
- (8) Record line features
- (9) Switch between existing layers as well as add new ones



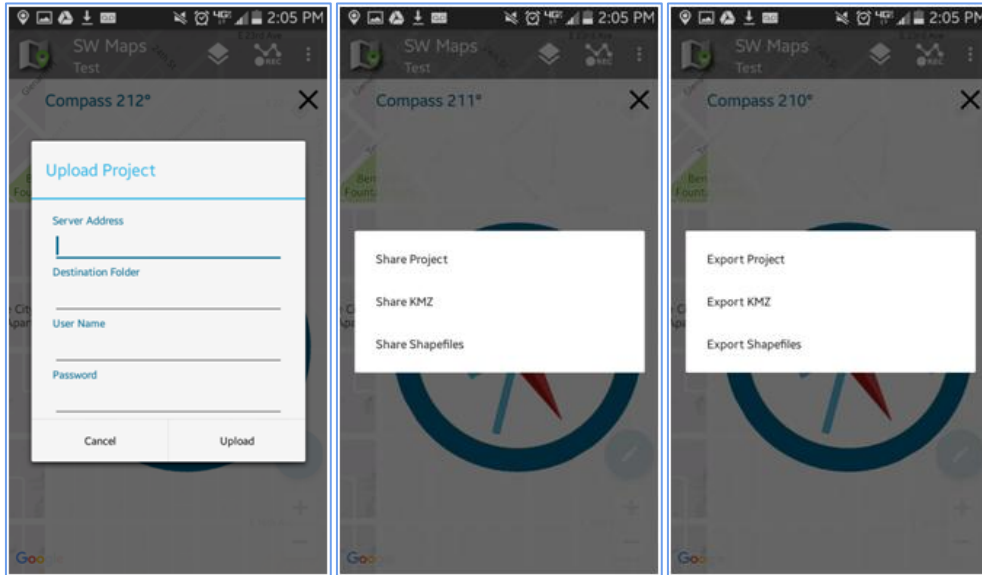
Record Track



This feature allows the user to record a continuous feature. For example, if you wish to record the position of a tree, you would use Record Feature. However if you wish to record a bike trail, you would use Record Track

- (10) Track name
- (11) Add description for feature
- (12) Select color of feature
- (13) Designate minimum distance between points collected along track - i.e. no less than 5 m. between points
- (14) Designate minimum time between GPS points being collected - i.e. no less than 5 seconds between points
- (15) Designate minimum required accuracy - i.e. within 3 meters

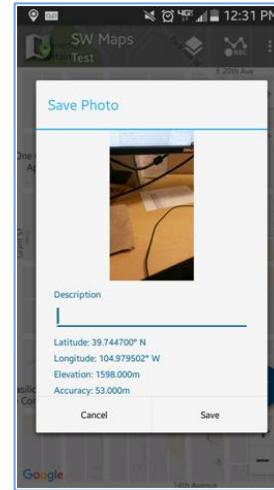
Transfer Data



SW Maps offers several options for transferring your data

- Upload data to a server
- Share the data in desired format via email and Google Drive
- Export data to storage on mobile device

Record Photo



This feature allows the user to record a photograph of a feature and attach a set of latitude and longitude coordinates to it.

Conclusions

- ❑ Freeware product that can be easily and quickly downloaded and installed
- ❑ The interface is well organized and easy to follow
- ❑ Data recording tools are fairly user friendly and easy to figure out
- ❑ Supports multiple data formats for output and sharing
- ❑ This is a good free mobile tool, especially in the context of training others to use it, given its simple and easy to understand design
- ❑ The biggest drawback to SW Maps was mentioned in the beginning, its limitation to Android phones. Due to the lack of availability on the AppStore, iPhone users will not be able to utilize the tool

ESRI ArcGIS Collector



Collector for ArcGIS

- Offline use capable
- Export to .GDB, .SHP, .XLS from AGOL
- Ease of use with ArcGIS online
- Allows collection of points lines and polygons
- Allows collection of all types of ArcGIS data, including long form text and string fields.
- Works off of Map Services that are created and stored on AGOL
- Available for iOS and Android

[Collector Notes from ESRI](#)

My Content

+ Add Item Create Share Delete Move

Folder	Title	Type	Modified	Shared
NEW DELETED	Collector	File Geodatabase	Nov 7, 2016	Not Shared
CollectorTest	Collector	Feature Layer	Nov 7, 2016	Not Shared
ConsProjectScenes	Field Data Collection	Web Map	Nov 9, 2016	Everyone
FloodStoryMap	Line	Shapefile	Nov 7, 2016	Everyone
HUCB	Line	Feature Layer	Nov 7, 2016	Everyone
Show	Point	Feature Layer	Nov 7, 2016	Everyone
All	Point	Shapefile	Nov 7, 2016	Everyone
Maps	Point	Shapefile	Nov 7, 2016	Everyone
Layers	Polygon	Shapefile	Nov 7, 2016	Everyone
Scenes	Polygon	Feature Layer	Nov 7, 2016	Everyone
Apps				
Tools				
Files				

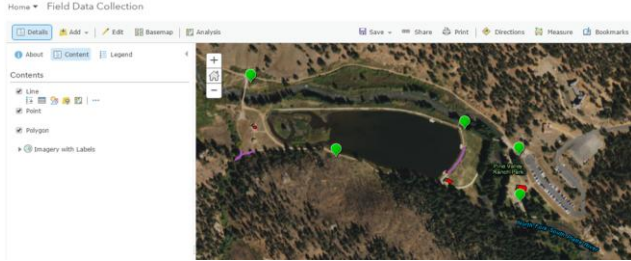
1 - 9 of 9 results



Smartphone interface

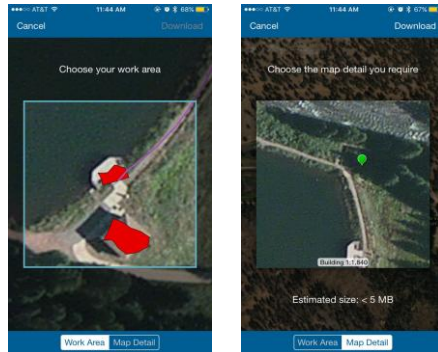


Usability



- Can use map services created in either AGOL or ArcGIS desktop
- Data is synced to AGOL through the cloud, no export is available directly from smartphone app
- This means all data is transferred through ESRI servers, and is not secured.

High Accuracy
Basemap
download for
offline use



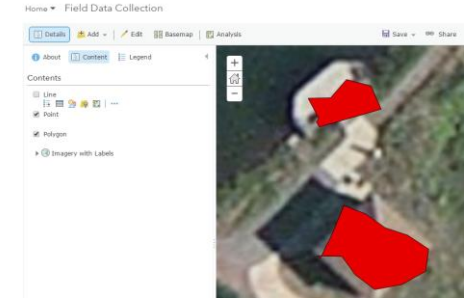
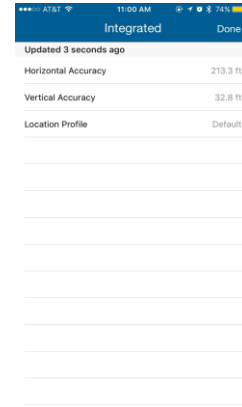
Pros

- Fast, streamlined map creation
- Photo / PDF attachments
- Easy to use on desktop and mobile
- Support for external receivers
- Easy to use offline
- Streamlined integration with ArcGIS online / desktop
- Cloud based data transfer

Cons

- All data travels through ESRI servers and is not secured
- AGOL subscriptions are a large cost
- No export data option from mobile App, all data must travel through AGOL

Accuracy



- Live accuracy listed within the smartphone app
- Can be increased with external GNSS receivers (Garmin GLO)
- Polygon data must be taken extremely slowly to be accurate

ArcGIS Subscription Pricing

For use with Collector and Survey123

ArcGIS Online Subscription Plans

- Both Collector and Survey123 require access to ArcGIS Online for use
- Listed here are prices for AGOL subscription access
- Cheapest organizational plan starts at \$2,500 per year

5 Users

\$2,500 per year

Includes \$250 worth of service credits
(2,500 credits)

[Buy Online →](#)

US Customers Only

Add more named users for \$2,500 per 5 named users.

Add more service credits for \$100 per 1,000 credits.

50 Users

\$10,000 per year

Save 60% Per User

Includes \$1,000 worth of service credits
(10,000 credits)

[Buy Online →](#)

US Customers Only

Add more named users for \$1,000 per 5 named users.

Add more service credits for \$100 per 1,000 credits.

100 Users

\$17,500 per year

Save 65% Per User

Includes \$1,750 worth of service credits
(17,500 credits)

[Buy Online →](#)

US Customers Only

Add more named users for \$875 per 5 named users.

Add more service credits for \$100 per 1,000 credits.

Need Even More Users?

Save More Per User

We offer larger plans that include more users and service credits.

Call us:
1-800-447-9778

US Customers Only

If you are outside the United States, please contact your local Esri office.

AppSheet

AppSheet

Background

Design/customize your own apps (no coding exp. needed)

Many app templates to build off of

Data

Syncs on the fly with cloud-based data storage

Point features only

Offline capable

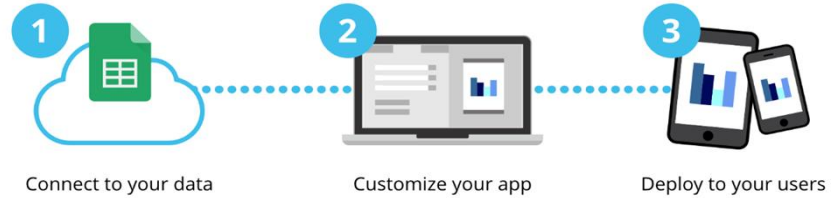
<https://www.appsheet.com/>

No direct .shp/kmz export

HOW IT WORKS






Everyone can be an app creator.

Build and deploy an app in three simple steps.



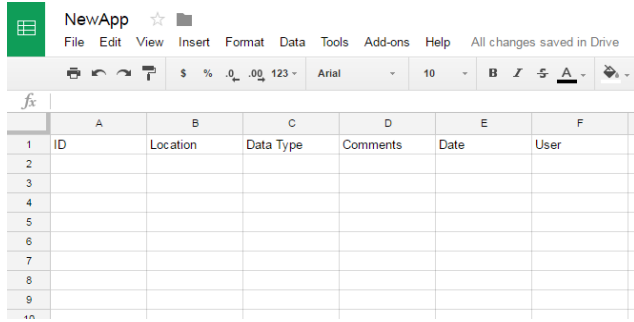
SAMPLE APPS

Inspections & Surveys

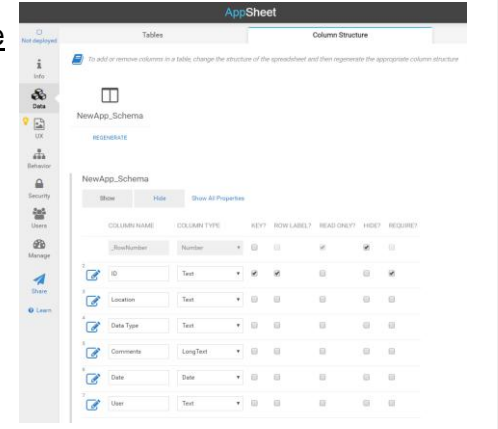
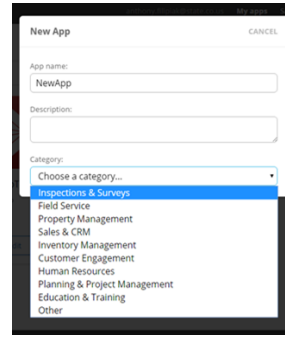
 <p>Site Scout An app for construction site inspections with GPS and images.</p> <p>See it in action</p> <p>Look under the hood</p>	 <p>Field Survey An app for a site manager to manage projects by inputting data via a convenient form.</p> <p>See it in action</p> <p>Look under the hood</p>	 <p>Home Inspector An app for a home inspector to capture and curate photos and notes.</p> <p>See it in action</p> <p>Look under the hood</p>	 <p>Equipment Inspection... A mobile app for manufacturing equipment inspections.</p> <p>See it in action</p> <p>Look under the hood</p>	 <p>Field Inspection App A mobile app for agriculture field inspections.</p> <p>See it in action</p> <p>Look under the hood</p>
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How It Works

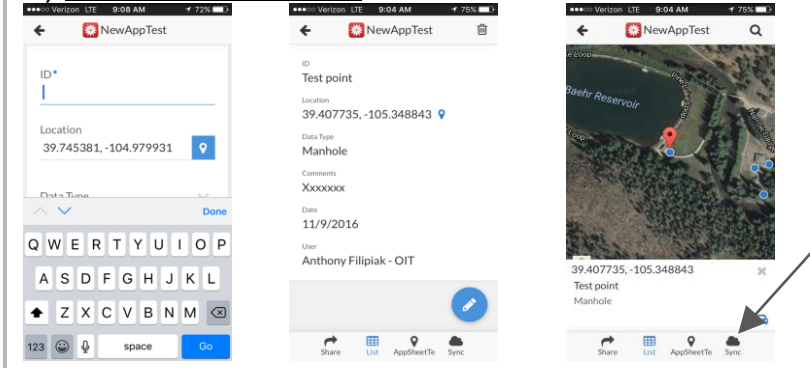
1) Create a blank spreadsheet to hold data



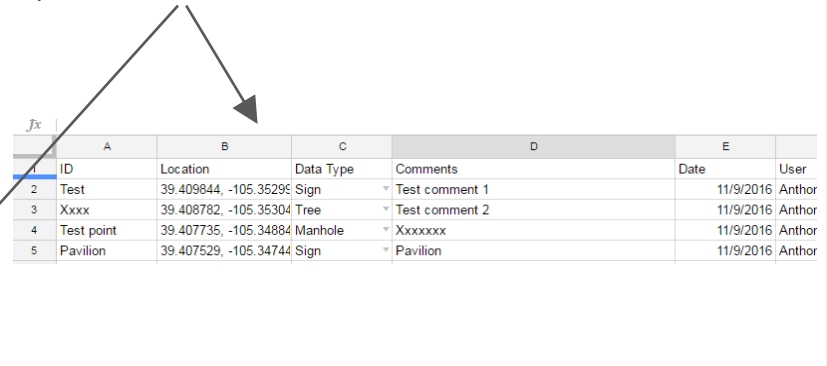
2) Build app on AppSheet website



3) Collect data in the field



4) Sync data from app to spreadsheet



Pricing Packages



Pay per user

Control user access and features



Pay per app

Broadcast apps to a wide audience

Standard

Perfect for small businesses and teams

\$1 per user per month

[Sign up](#)

OUR MOST POPULAR PLAN

Premium

Powerful data control and user management

\$5 per user per month

[Sign up](#)

Pro

Large teams, greater control, white label apps

\$10 per user per month

[Sign up](#)

OUR MOST POPULAR PLAN

Publisher

For small-scale apps

Up to 100 users

\$10 per app per month

[Sign up](#)

Publisher Plus

For large-scale apps

More than 100 users

\$20 per app per month

[Sign up](#)

Publisher Pro

For white label apps

Corporate data sources

\$50 per app per month

[Sign up](#)

Includes these great features:

Features

All standard app features*
Unlimited apps

Everything in Standard, and:

Run your apps offline
Add automated email notifications

Everything in Premium, and:

App life-cycle management
App usage analytics
White label apps for Android (at least 10 users)

Includes these great features:

Features

All standard app features*

Everything in Publisher, and:

Run your apps offline
Add automated email notifications

Everything in Publisher Plus, and:

App life-cycle management
App usage analytics
White label apps for Android

Security

Manage users of your apps

Track user changes to your data
Add security filters to app tables

Audit trail
Log retention policy
Sensitive (PII) data policy

Security

Publisher plans cannot restrict access to users. Anyone with a link to the app can open and view its data.

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Data Sources

Use one of the following:

Google Drive
DropBox
OneDrive

Add multiple data sources

Box
Smartsheet
OneDrive for Business with Office365

SQL Server
Salesforce
Google Cloud Platform - coming soon

Data Sources

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DropBox
OneDrive

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Smartsheet
OneDrive for Business with Office365

SQL Server
Salesforce
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Support

AppSheet community
Online documentation

Priority email support
Connect with AppSheet partners

Professional services available
additional fees applicable

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