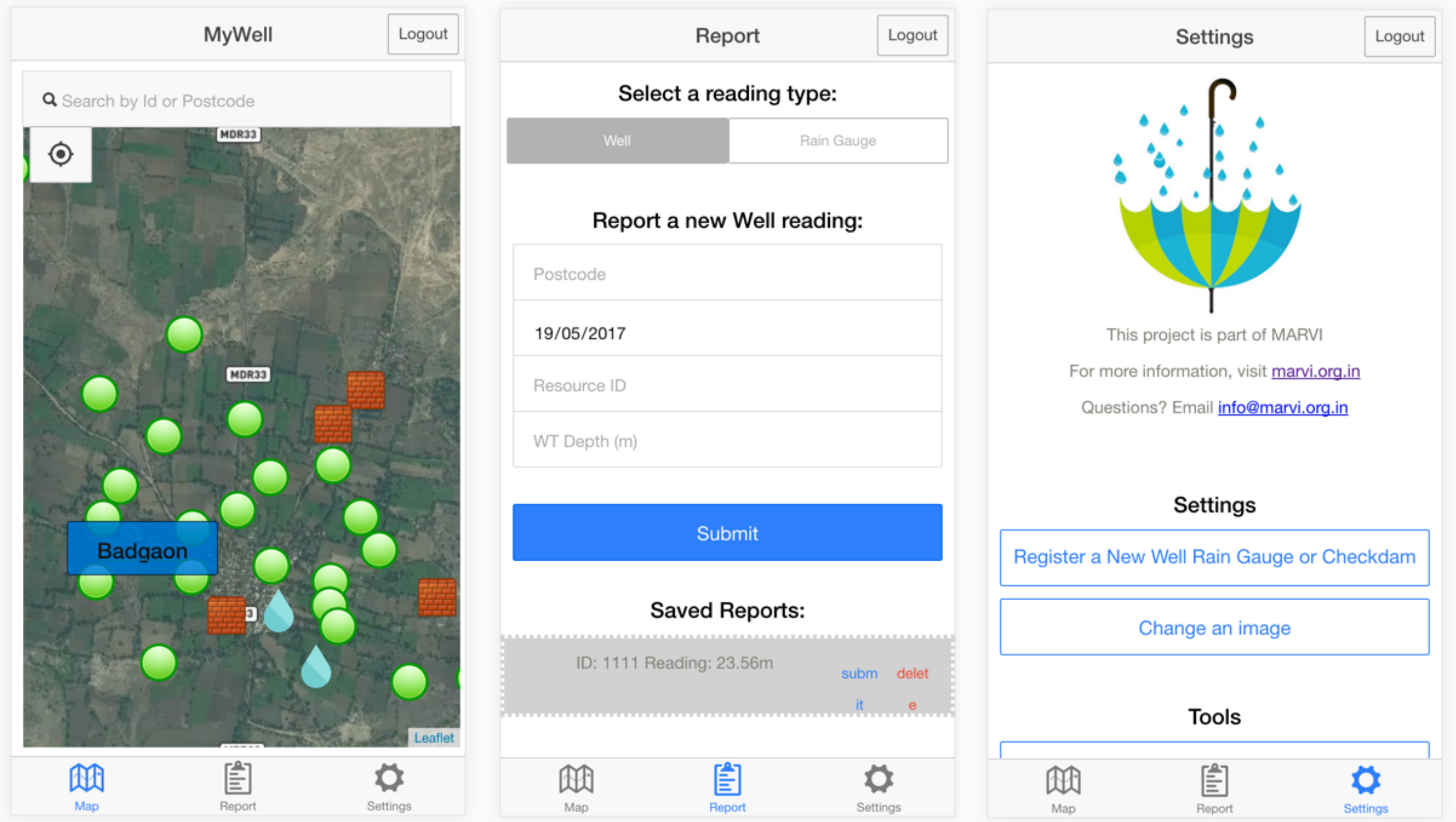# MyWell User Guide

MyWell Version 1.3.0

MyWell is a Smartphone and SMS app for tracking wells in MARVI. The app works by crowdsourcing well, rainfall and checkdam readings from MARVI's network of BJs. MyWell displays the current status of each well, as well as historical and village level data for simple comparison and analysis.

Contents

MyWell App

The MyWell App runs on Android or Web.

You can access MyWell web here: mywell.marvi.org.in, or download the Android app here: Google Play Store

The Map View

From the map view, you can see all of the different wells, checkdams and rainfall stations that are being monitored in MyWell.

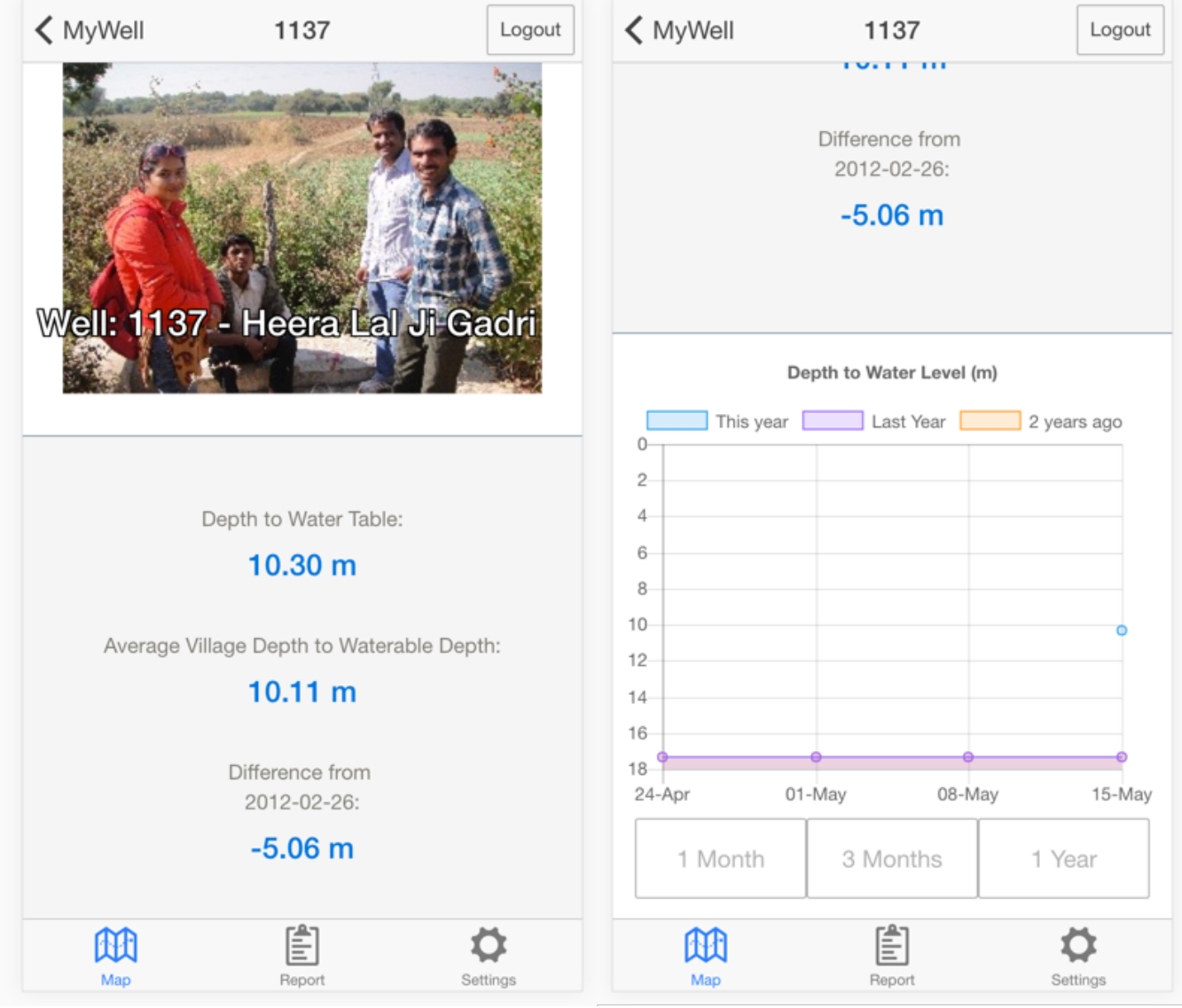A resource is one of these wells, checkdams or rainfall stations. They each have different icons:

Click on a resource to find out more information.

Map Detail

From the popup window of a resource, click **'More'** to find out more about this Well, Checkdam or Rainfall Station.

This page shows the resource's Photo, some statistics at a glance, and a graph of it's readings.

Statistics

Current reading For Wells this is Depth to Water Table, rainfall stations have The average shows the current average watertable depth //TODO: more

Reading Graphs

The reading graphs show a snapshot of 1 month, 3 month and 1 year long intervals. They show the data collected over the last 3 years, and allow for easy comparison from one year to the next

Recording

It's easy to record a new reading using MyWell.

Logging in

First time users will need to log in, using the login button on the top right hand corner.

From this page, enter the login code that you were provided.

Saving a Reading

Steps:

1. Select the type of reading to be recorded

2. Enter in the pincode, date, ResourceId of the reading

313603

19/05/2017

1123

12.45

3. Fill in any values specific to your reading. For wells, this is WaterTable depth, in metres
4. Click submit, and your reading will be saved

Offline readings

If you don't have internet connectivity, your readings will be saved for a later date. You will see them in a queue below the

Upload a spreadsheet of past readings:

Drag and drop or select a .xlsx file.

submit button.

Bulk Upload (Web only)

If you want to upload many readings at once, you can drag and drop an excel file here: [image-11-drag and drop]
Download a template for an example of a correct file from the settings page:

Tools

Download a template

MyWell Settings

From this page, you can register a new resource, update a resource's image, and find out more information about MyWell. You must be logged in to make any of these changes.

Settings	Logout

This project is part of MARVI

For more information, visit marvi.org.in

Questions? Email info@marvi.org.in

Settings

Register a New Well Rain Gauge or Checkdam

Change an image

Tools

| Map | Report | Settings |

Register a new Resource

1. From the settings page, tap 'Register a new Well, Rain Gauge or Checkdam'

2. Drag around on the map, or use your device's location to set the latitude and longitude of the new resource
3. Enter the pin code, well owner, and the designated Id for the resource.
4. Select what type of resource you are creating, and fill out any more necessary fields

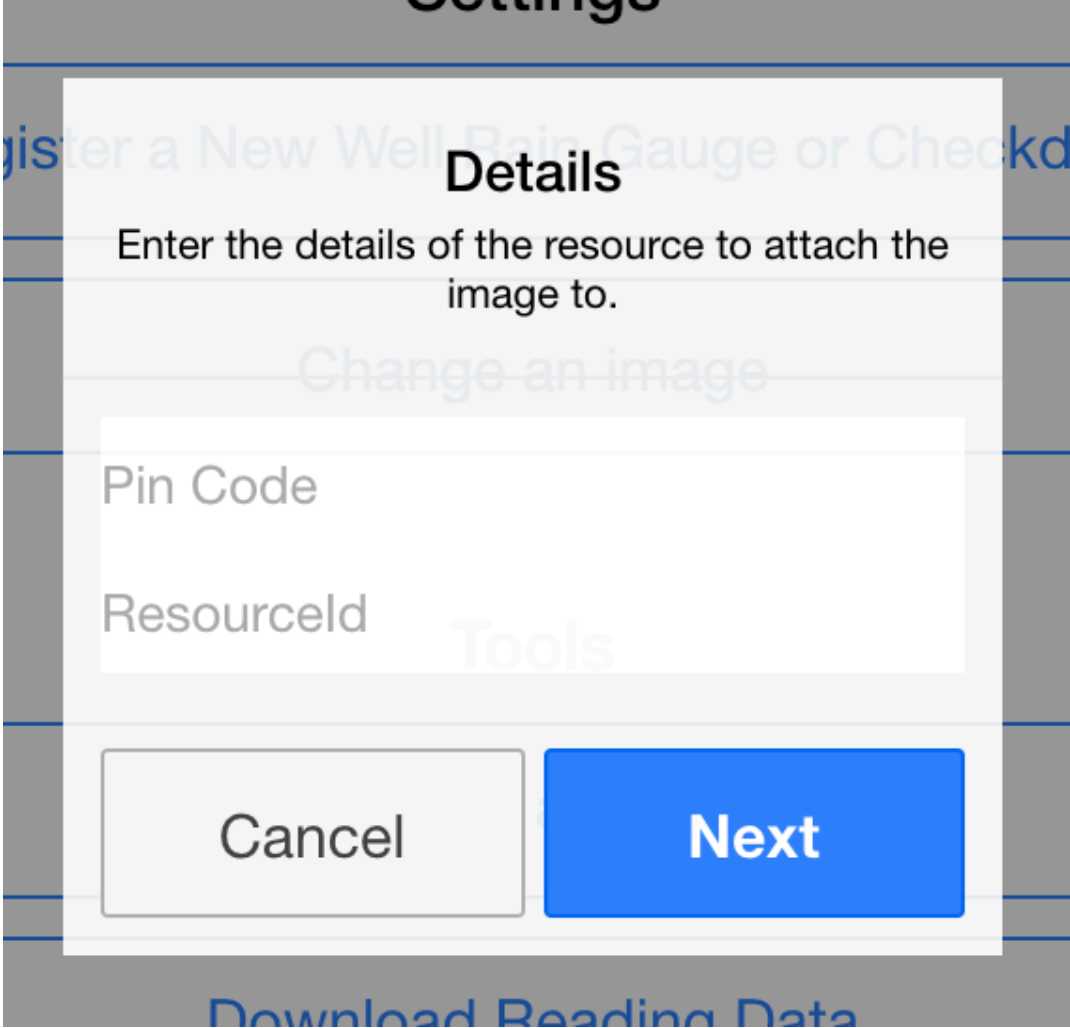5. Hit 'save'. If everything has been filled out correctly, it will add a new resource.

Update a resource's photo (App only)

1. From the settings page, tap 'Change an Image'

2. Enter the Pin code & Id of the resource you want to Change

3. Take a photo and hit 'save'. The photo will be updated

Other

You can also download all of the readings in mywell's database as an excel file, and download an example template for bulk uploading many readings at once.

MyWell SMS

Two of the key MyWell tools are available over SMS as well as through the MyWell app; Recording a new reading, and querying a Well, Checkdam or Raingauge for information

MyWell's SMS number is `'90000000'` , and messages to MyWell SMS all start with the same format:

```
SMA <code> <pincode>
```

> **Where:** `<code>` is 000 for saving a reading, and 999 for requesting information `<pincode>` is the pincode that the Well, Checkdam or Rain Gauge is located in

Recording a new Reading

A Recording takes 3 additional parameters:

```
<date> <resourceId> <reading>
```

> **Where:** `<date>` is a 6 digit date that the reading has been taken, in format YYMMDD `<resourceId>` is the 4 digit id of the resource being recorded `<reading>` is the value of the reading, in cm

Examples

```
SMA 000 313603 170125 1501 1500 # update resource 1501 to a reading of 1500cm in village with pincode 31
```

Query MyWell for Information

A Query takes 1 additional parameter:

```
<id>
```

> **Where:** `<id>` is the 2 digit villageId, or the 4 digit resourceId

Example

```
SMA 999 313603 15              #Query information from village 15 in pincode 313603
SMA 999 313603 1560            #Query information from resource 1560 in pincode 313603
```

MyWell SMS Screenshots

[image-17-sms-screenshots]