



Introduction to the GeoparkLIFE Monitoring App

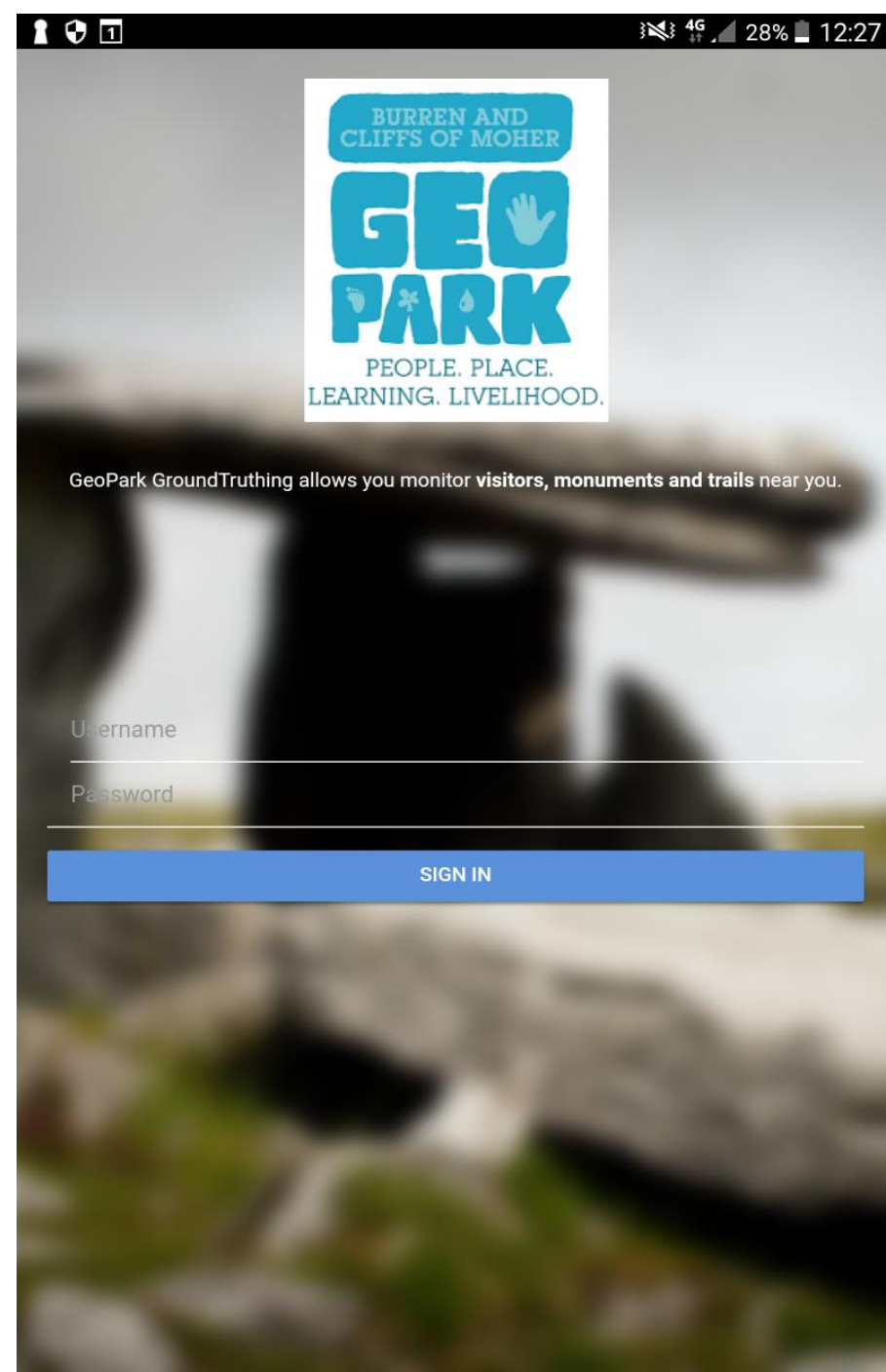
Left Image: App home
screen

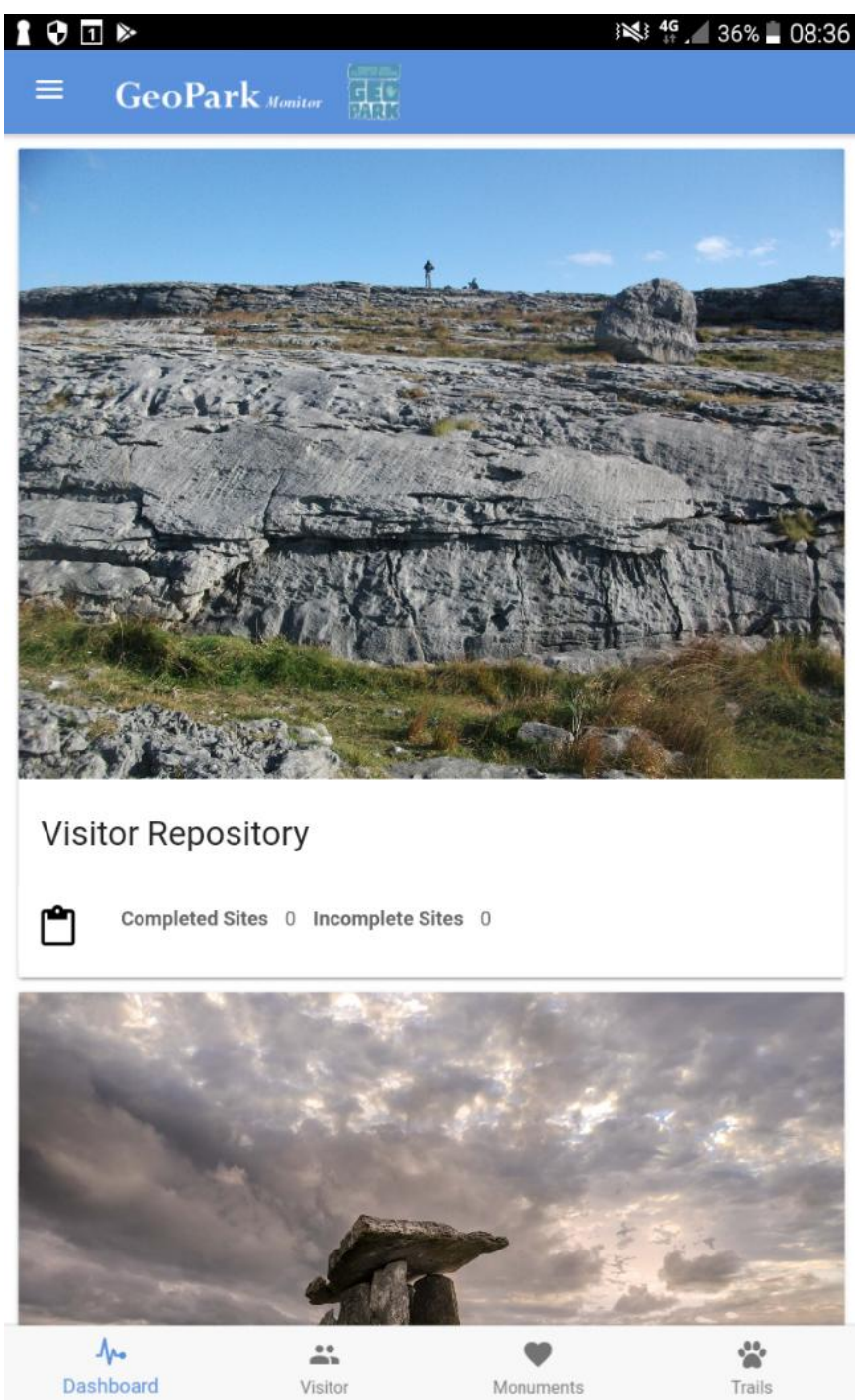
Right Image: Login screen.

Users are assigned a
password and controlled
user name to enter the
system.



GeoparkLIFE:
Tourism for Conservation



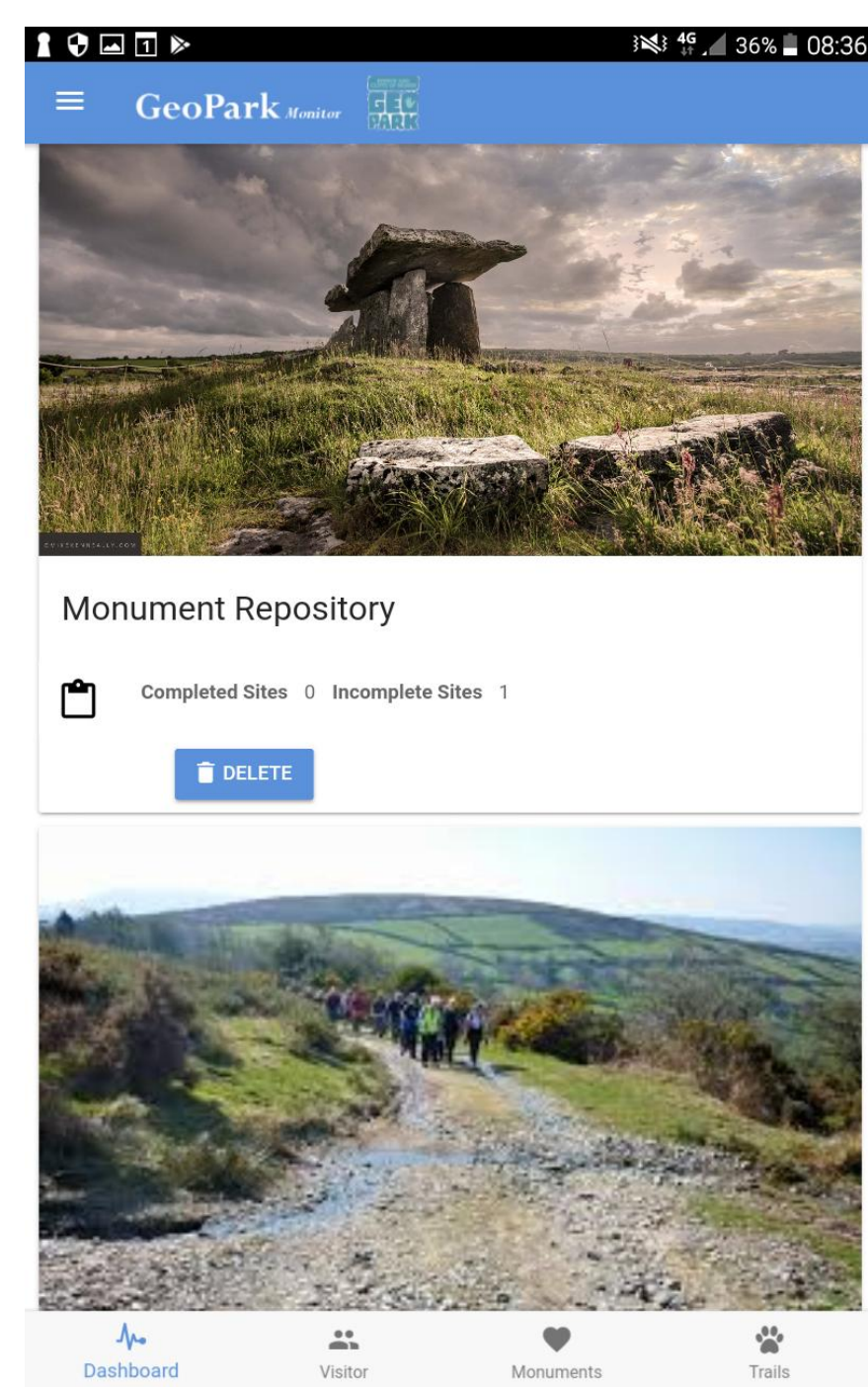


The following presentation is a series of screen shots from the app as it was operated during a site monitoring visit

After signing in the user is brought to the page displaying the three section of the App –

- Visitor Repository;
- Monument Repository and
- Trail Repository.

The user clicks on whichever of the three components of the site they wish to monitor.



Create your location

Destination ▼

Weather ▼

CANCEL OK

After clicking into the Visitor Repository the user is brought to the **'Create Your Location' page**. A dropdown menu is given under **'Destination'**.

Note: Currently the dropdown menu consists of the seven GeoparkLIFE demonstration sites. The destinations can be changed/added to for the location required.

Create your location

Destination ▼

Weather ▼

CANCEL OK

Destination

- ☐ Slieve Carran
- ☐ Burren National Park
- ☐ Fanore Beach
- ☐ Blackhead
- ☐ Ailwee Cave

CANCEL OK

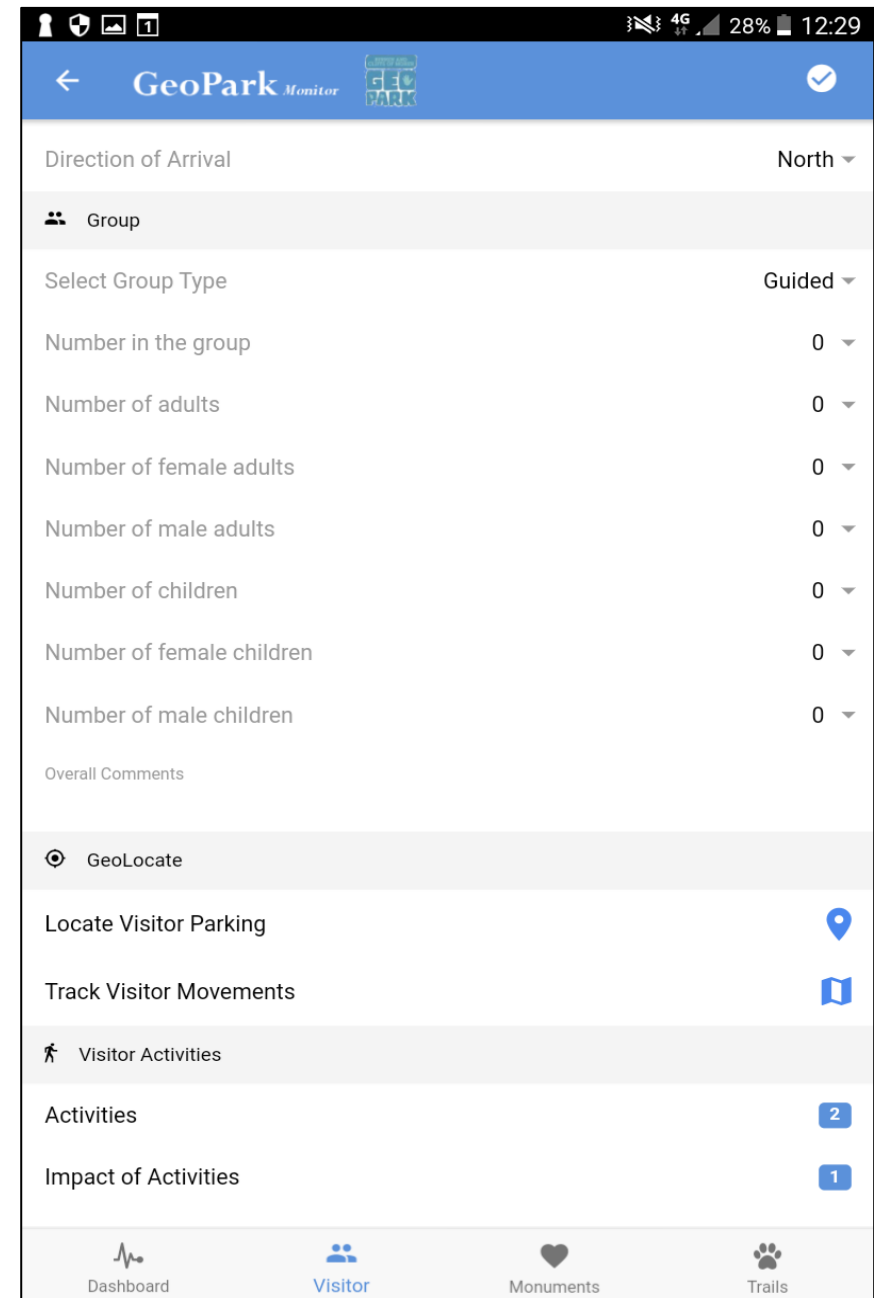
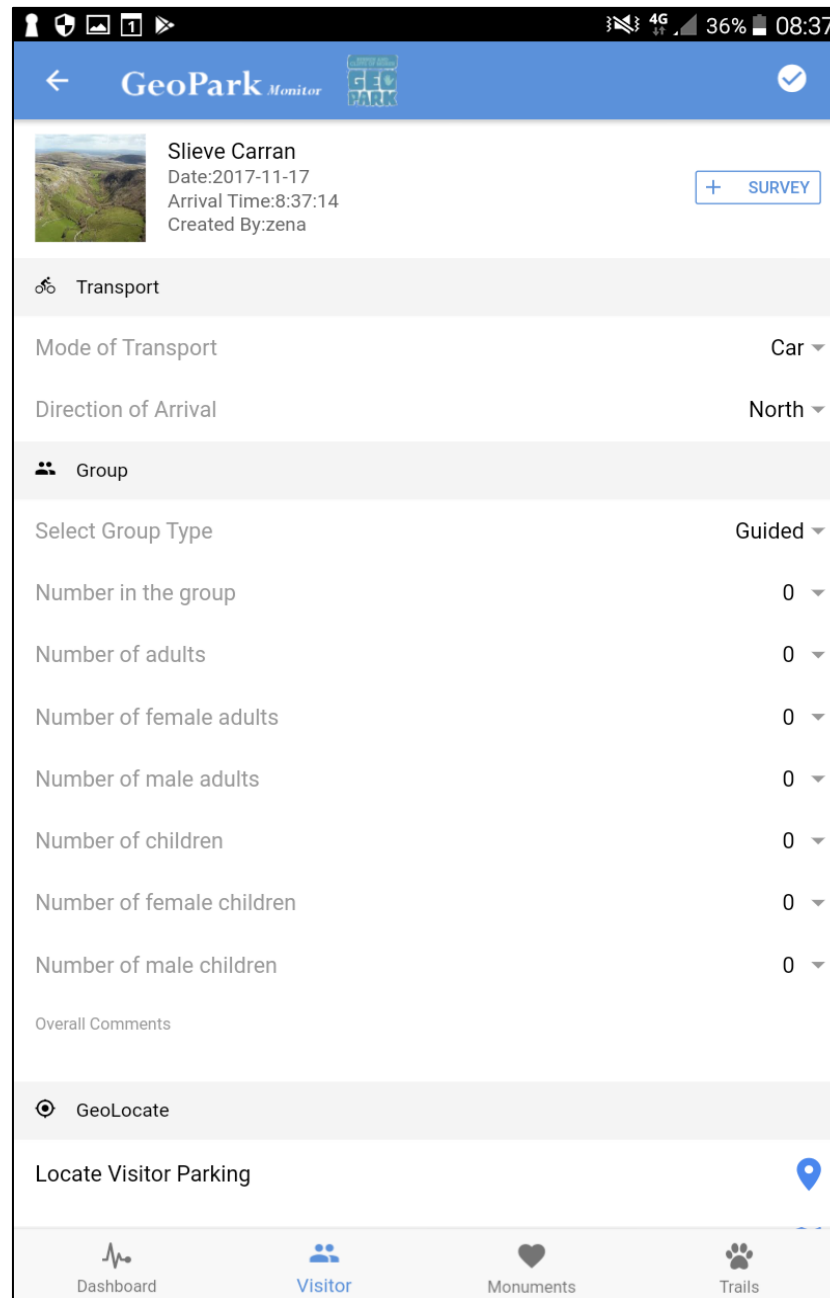
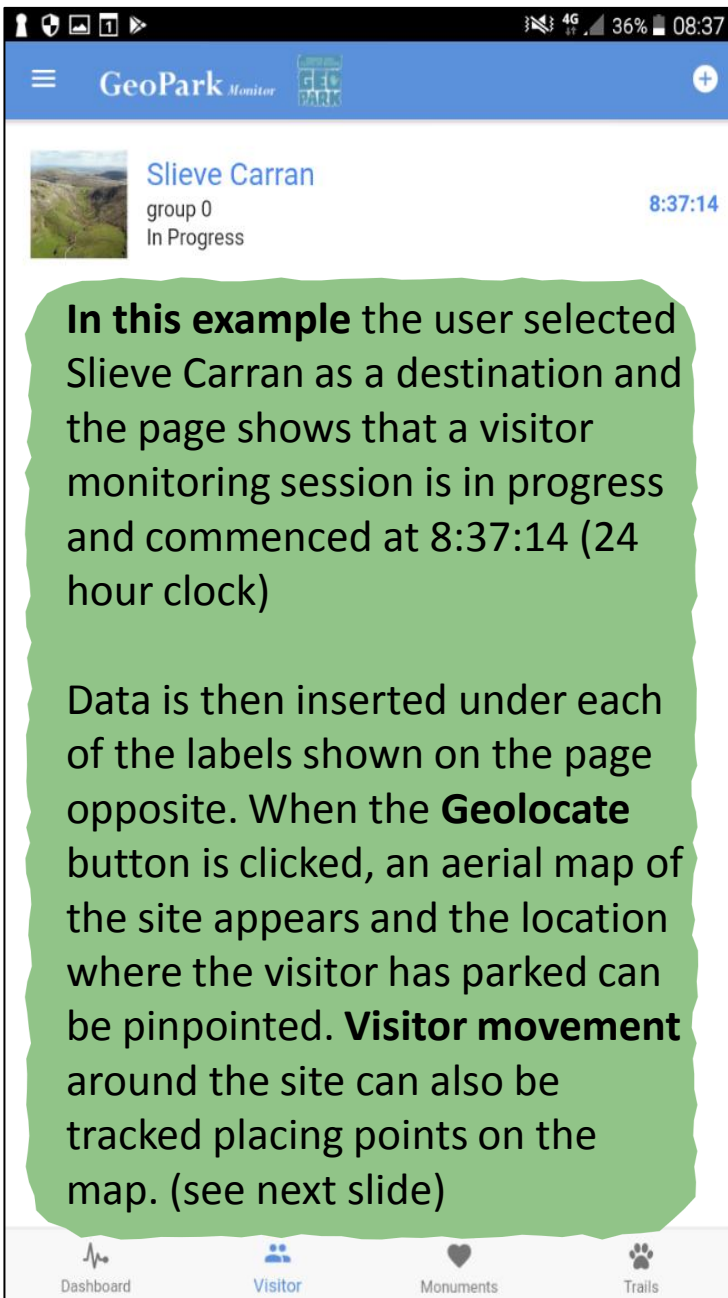
Create your location

Destination Slieve Carran ▼

Weather Clear ▼

CANCEL OK

After selecting **destination** in the dropdown menu, the user enters the **weather condition** using a further dropdown menu.





When in your chosen destination you can undertake a number of monitoring tasks including visitor movement

Left hand example: Shows a visitor parking location at Poul nabrone.

Right hand example: Shows visitor movement tracking at Poul nabrone.



Dashboard



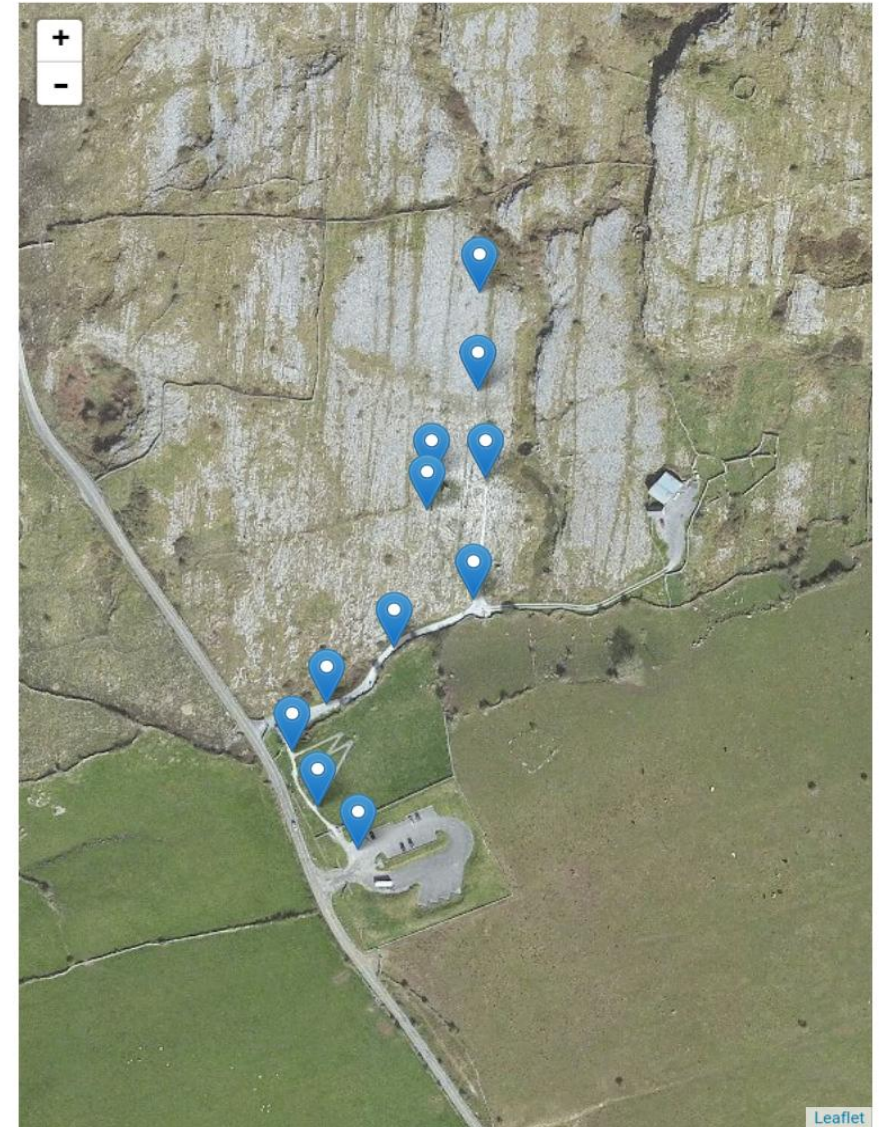
Visitor



Monuments



Trails



Dashboard



Visitor



Monuments



Trails

Activity

Activity Walking ▾

Number of Participants 1 ▾

Time Spent of Activity (minutes) 1 ▾

OK

Activity

- ☒ Walking
- ☐ Taking Photographs
- ☐ Viewing Landscape
- ☐ Picnicking
- ☐ Reading interpretive panels

CANCEL OK

Under the activity section, the user can enter the activity being undertaken by the visitor from a drop down menu; the number of participants undertaking the activity and the time spent at the activity.

Records of multiple activities undertaken can be entered into the system as visitors usually undertake more than one activity at a site e.g. walking, taking photographs, inspecting monument etc.

Visitor Activities

Walking
Participants:1
Time taken:1mins

Walking
Participants:1
Time taken:4mins

Dashboard Visitor Monuments Trails

Impact

None

Photos

Snap Photo

Location

Get Location

Latitude:Longitude:

Comments

OK

The impact of an activity undertaken by the visitor to a site is recorded using a dropdown menu, multiple photos of the impact can be taken and the location of the impact recorded using the map system. Comments can be made by the surveyor with regard to the impact observed.

Impact

None

Photos

Snap Photo

Location

Get Location

Latitude:Longitude:

Comments

Impact

☒ None

☐ Trails newly visible on grass

☐ Incidental movement of stones

☐ Deliberate movement of stones

☐ Deliberate removal of vegetation

CANCEL

OK

Impact

Deliberate movement of sto...

Photos

Snap Photo

Location

Get Location

Latitude:Longitude:

Comments

One of the visitors removed loose limestone and built a mini dolmen.

OK

1234567890Del

qwertyuiop

asdfghjkl

zxcvbnm,!.?↑


CtrlSymEnglish(UK)◀▶

4G

36%

08:37

GeoPark Monitor



Slieve Carran

Date:2017-11-17

Arrival Time:8:37:14

Created By:zena

+

SURVEY

Transport

Mode of Transport

Car

Direction of Arrival

North

Group

Select Group Type

Guided

Number in the group

0

Number of adults

0

Number of female adults

0

Number of male adults

0

Number of children

0

Number of female children

0

Number of male children

0

Overall Comments

GeoLocate

Locate Visitor Parking

Dashboard

Visitor

Monuments

Trails

The visitor Repository section of the App includes a short visitor survey sheet which is entered by clicking the + SURVEY button on the top of the first page.

It includes the questions shown here on the right.

The survey will be connected to the visitor observation data recorded to the particular group/individual being observed.

4G

34%

08:45

Visitor Questionnaire

Where did you first hear about Slieve Carran?

Travel Agent/Tour Operator

Directional Signposting Rating

5

Physical Entry Rating

5

Parking Facility Rating

5

Are Information boards visible?

Yes

Have you read the information boards?

Yes

Did the information boards add to site understanding?

Yes

Satisfaction Rating of Visit

5

Comments

Dashboard

Visitor

Monuments

Trails

Monument Repository



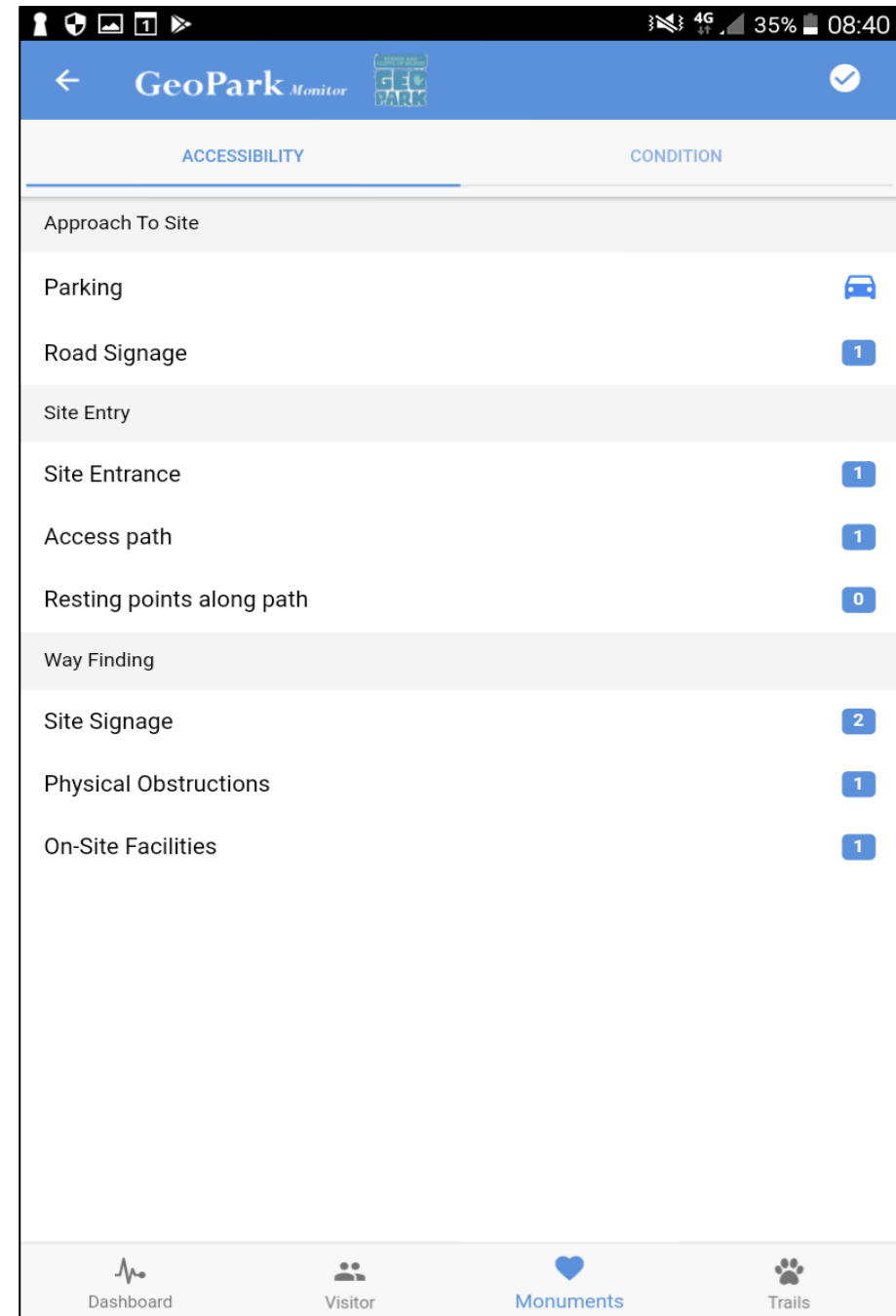


As in the Visitor Repository the user enters the **destination and weather** on the opening page.

In this example the user is at Cahermore and recording commenced at 11.03.44

The monument repository of the app is divided into two sections: **Accessibility and Condition.**

The example on the right shows the page that appears when the Accessibility button is clicked at the top of the page.



Approach to Site

Data is recorded with regard to **the availability of parking**; whether it is an official or unofficial parking area and spaces available. Multiple photos of the parking area can be taken and stored in the system.

Information can be recorded for **directional road signage** and photos taken.

4G

35%

08:40

Parking

Is there parking available

Yes

Is the parking official

Unauthorised


Spaces Available

2

Disabled Spaces

0

Snap Photo



2017-11-07T11:04:44.480Z

CANCEL

OK

4G

35%

08:40

Road Signage

Are there directional Road Signs

Snap Photo Road Signage

Get Location

Latitude:

Longitude:

Is there a site name sign at site

Snap Photo Site Name Sign

CANCEL

OK

1

4G

35%

08:41

Site Entry

Select entry type to site

Entrance

Ground surface at entry

Ground Surface

CANCELOK

Select entry type to site

☐ Stile

☐ Gate

☐ Gap in wall

☐ Other

CANCELOK

1

4G

35%

08:42

Access Path

Is there an access path to monument

What is the surface of the path

Snap Photo of Path

What is the incline of the access path

Are there steps on the path

CANCELOK

Site Entry

Data is recorded for site entry type and **ground surface**; **access path surface** and **incline**; presence of **steps** and number, **resting points** along the access path. Multiple photos can be taken.

1

4G

35%

08:42

Add Resting Point

Resting Type

Photos

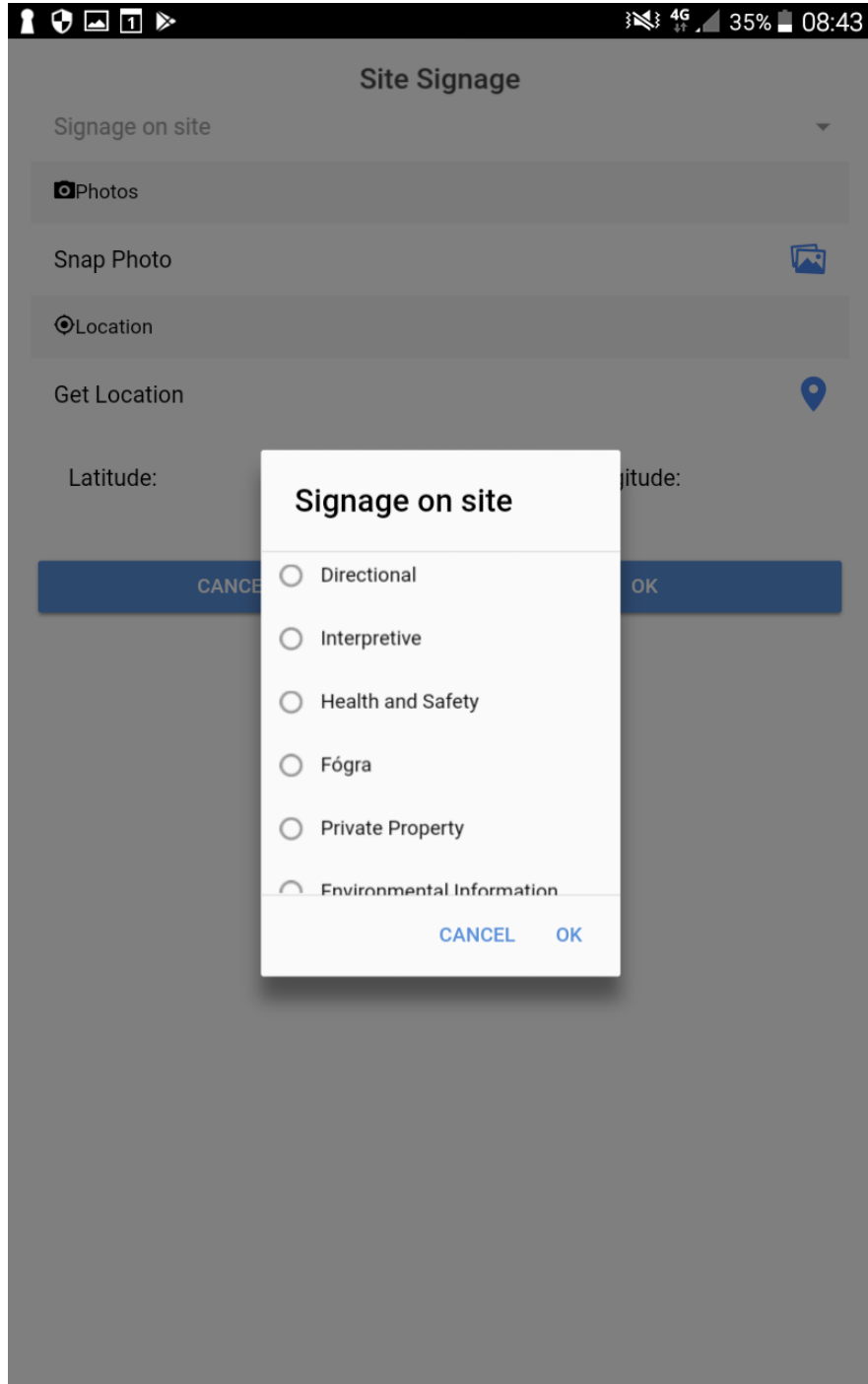
Snap Photo

Location

Get Location

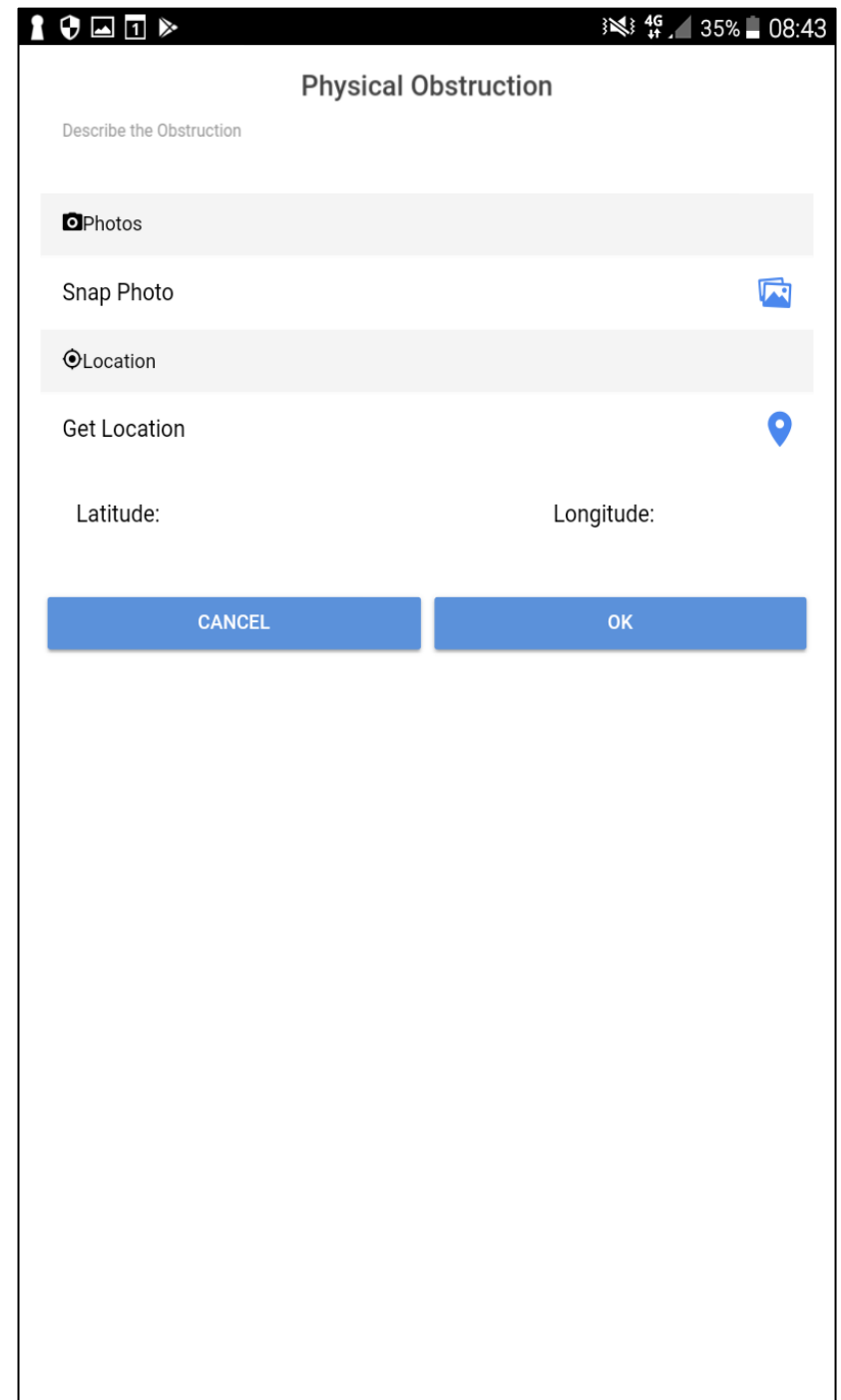
Latitude:Longitude:

CANCELOK



Way Finding

Site signage and restrictions to access (physical obstructions) are described and recorded by photo and location



Facility

Select the facility

Photos

Snap Photo

Location

Get Location

Latitude: Longitude:

CANCEL OK

On site visitor facilities are listed using a drop down menu and photos and locations recorded

Facility

Select the facility

Photos

Snap Photo

Location

Get Location

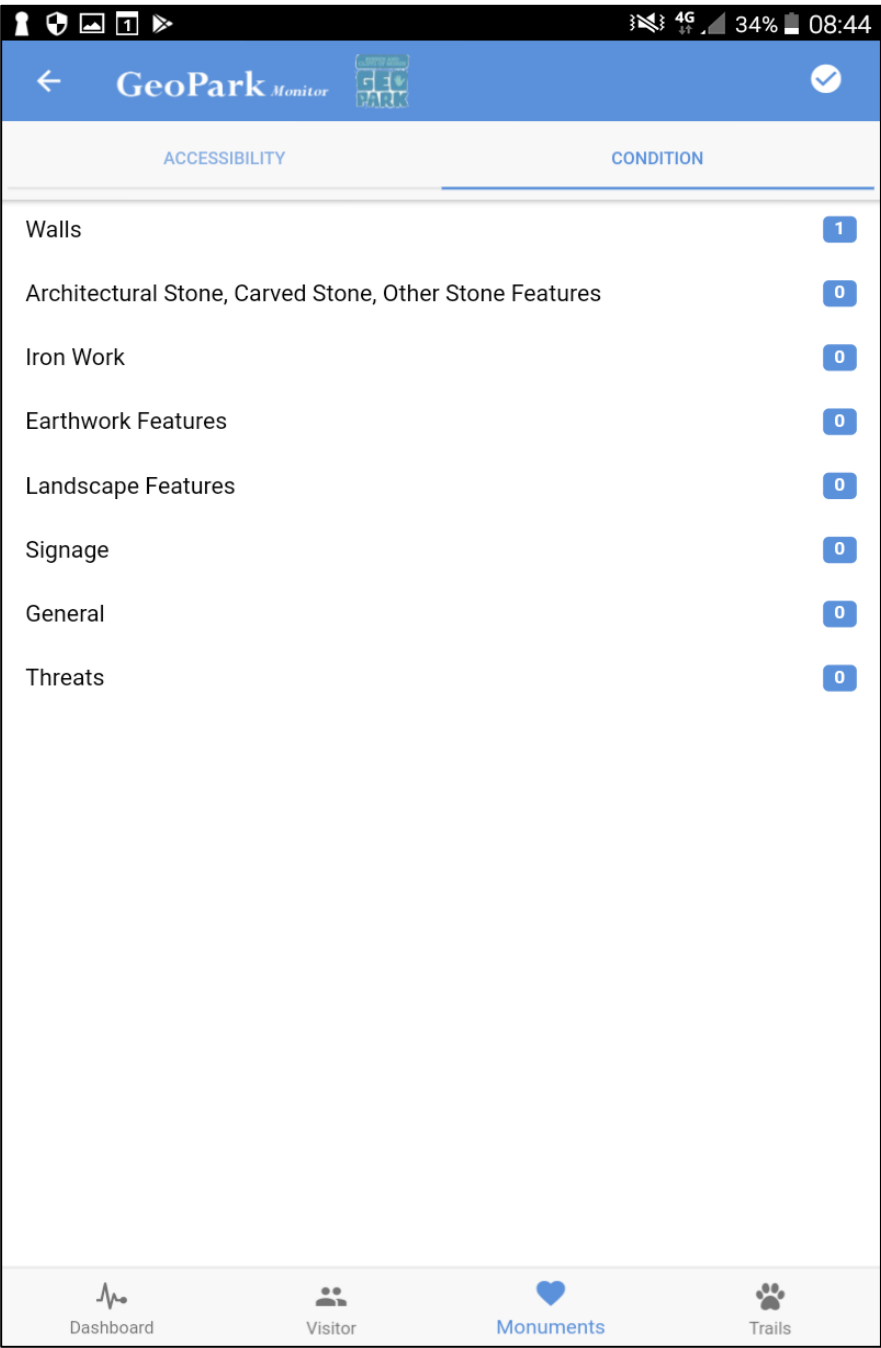
Latitude: Longitude:

CANCEL OK

Select the facility

- ☐ Toilets
- ☐ Guides
- ☐ Site warden
- ☐ Coffee shop
- ☐ Viewing Platform

CANCEL OK



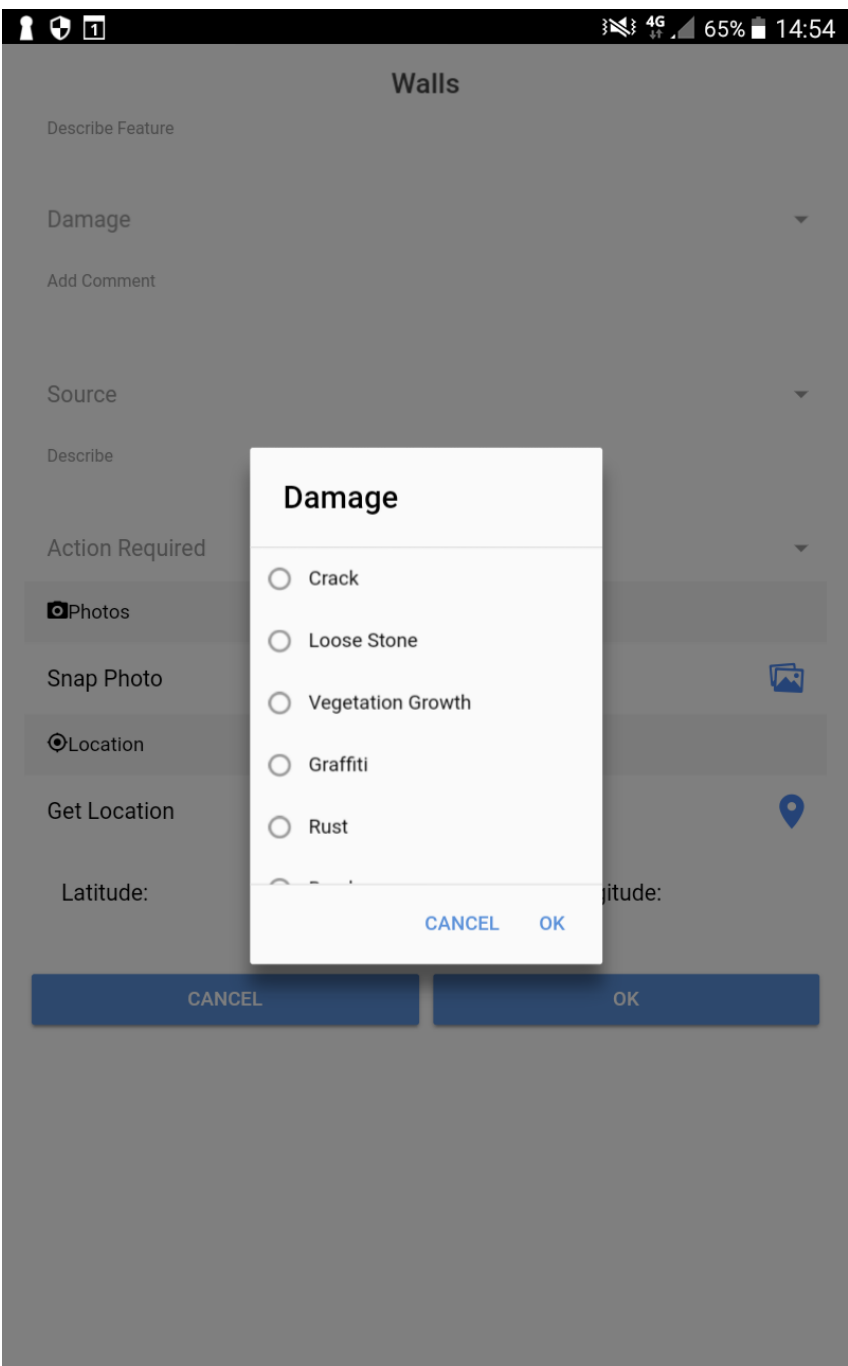
Condition

Under the second section of the Monument Repository **the condition of the site is recorded.**

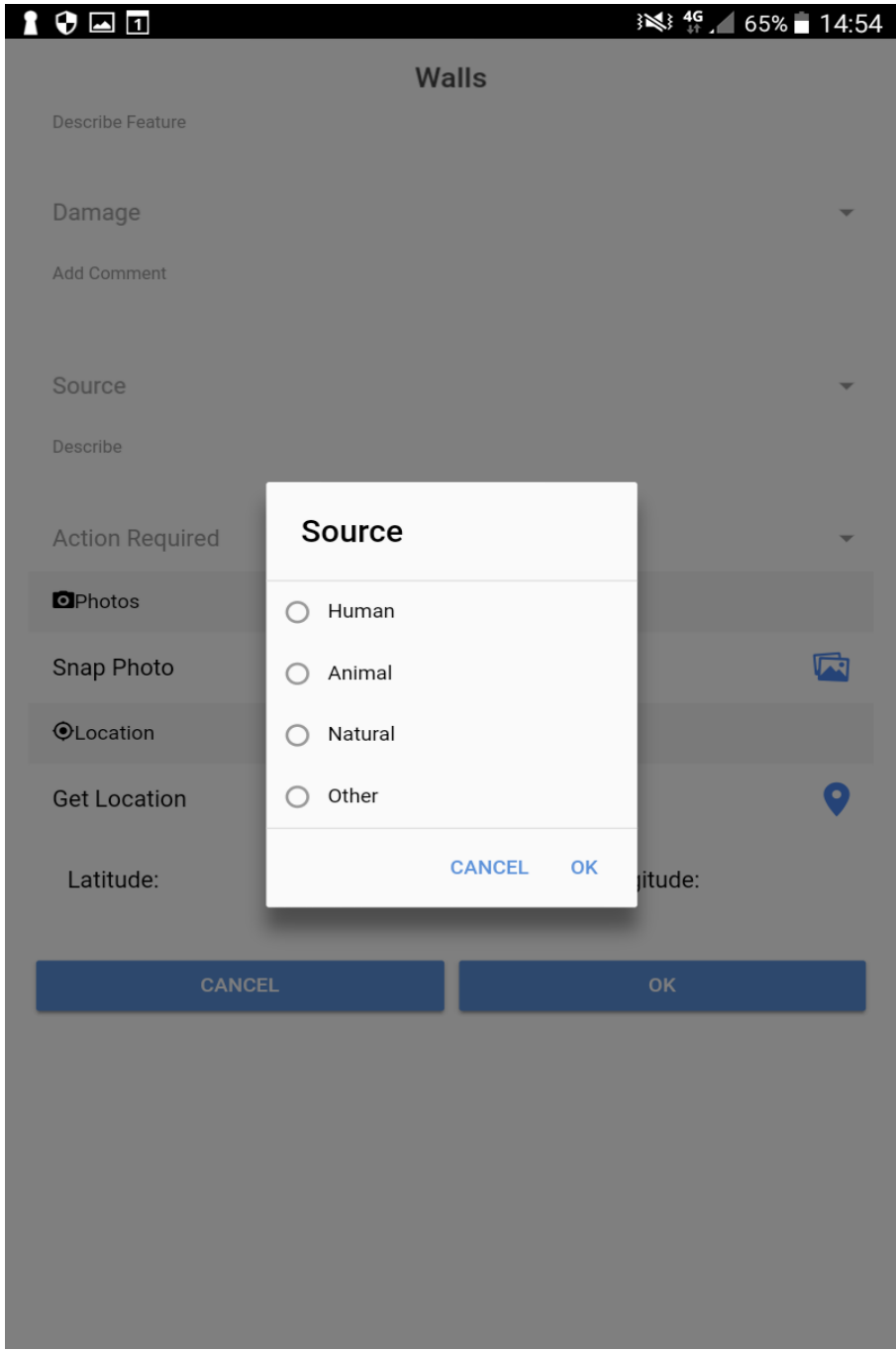
All the components of the site are listed in the page to the left.

The condition of each of these components can then be recorded in terms of written description, visible danger, source of damage, photos and location as shown in the page to the right (example illustrated for Walls)

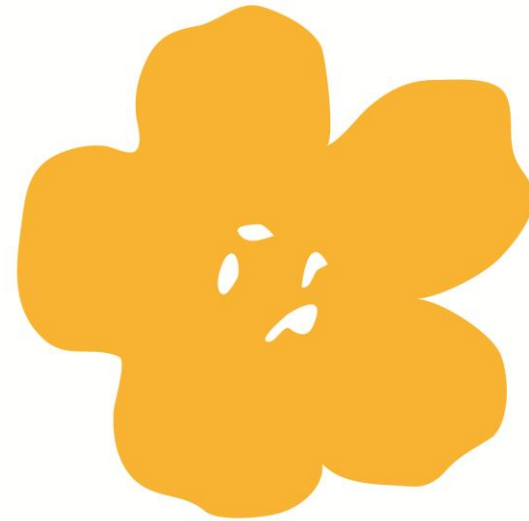
A screenshot of the 'Walls' form in the GeoPark Monitor app. The title 'Walls' is at the top right. The form contains several sections: 'Describe Feature' with a text input field; 'Damage' with a dropdown menu; 'Add Comment' with a text input field; 'Source' with a dropdown menu; 'Describe' with a text input field; 'Action Required' with a dropdown menu; 'Photos' with a camera icon and a text input field; 'Snap Photo' with a photo icon; 'Location' with a location pin icon and a text input field; 'Get Location' with a location pin icon; 'Latitude:' and 'Longitude:' labels with corresponding text input fields. At the bottom, there are two blue buttons: 'CANCEL' and 'OK'.



Right and Left Images show examples of drop down menus for 'damage' and 'source of damage' for walls



Trails Repository



4G34%08:46

Create your Trail

Trail Name

Trail Reference

Description

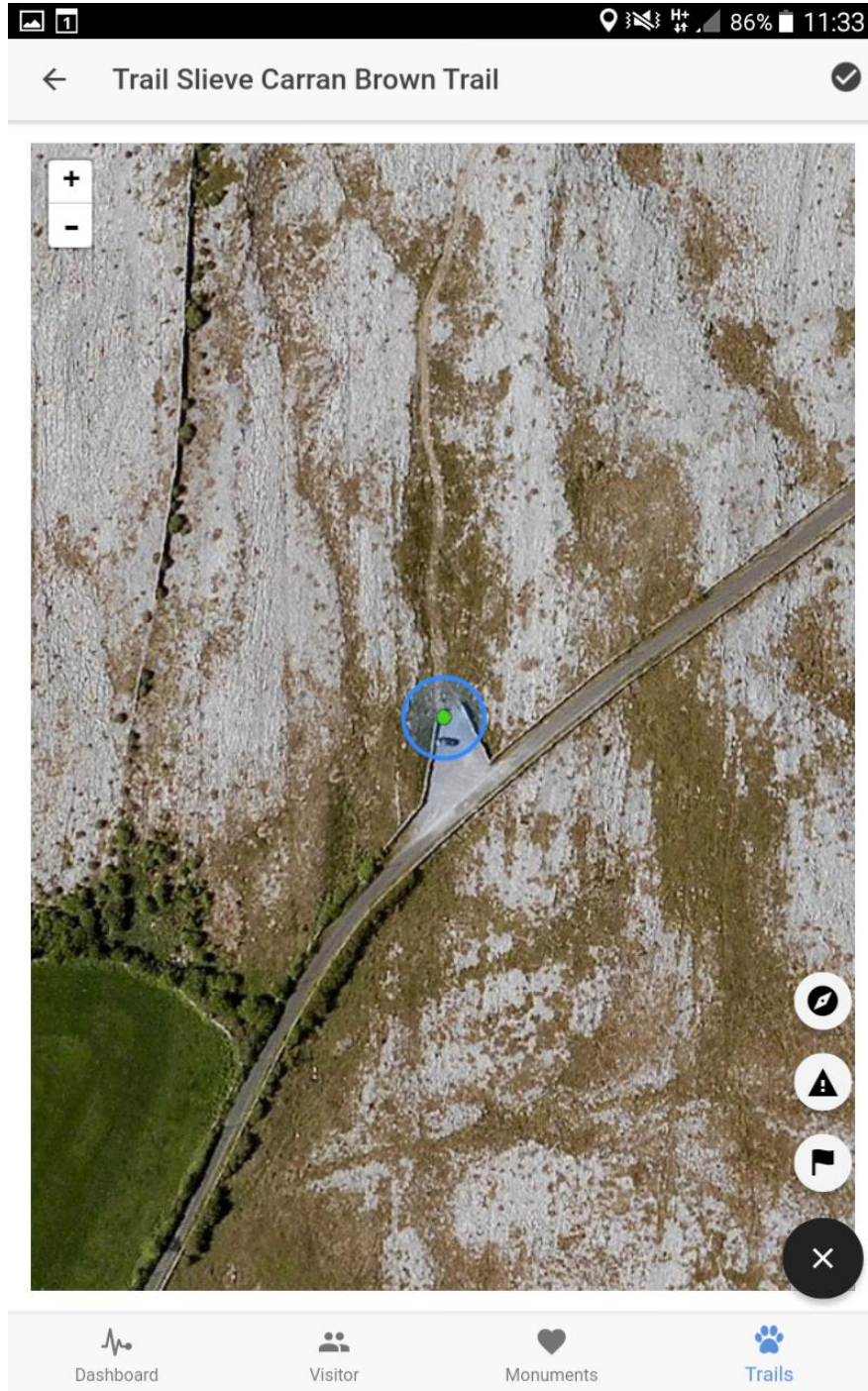
Comments

CANCEL

OK

Under the **Trails Repository** the user creates the trail giving it a name, reference and providing a description of the trail and any relevant comments.

The user's location will be automatically highlighted on the aerial map (which can be downloaded prior to field work – as coverage can be absent in some areas)



1

86% 11:34

Trail Signage

Type of Signage

Interpretive ▾

Condition of Signage

Good ▾

Action Required


None ▾

Add Comment

GeoparkLIFE sign installed October 2017

Photos

Snap Photo



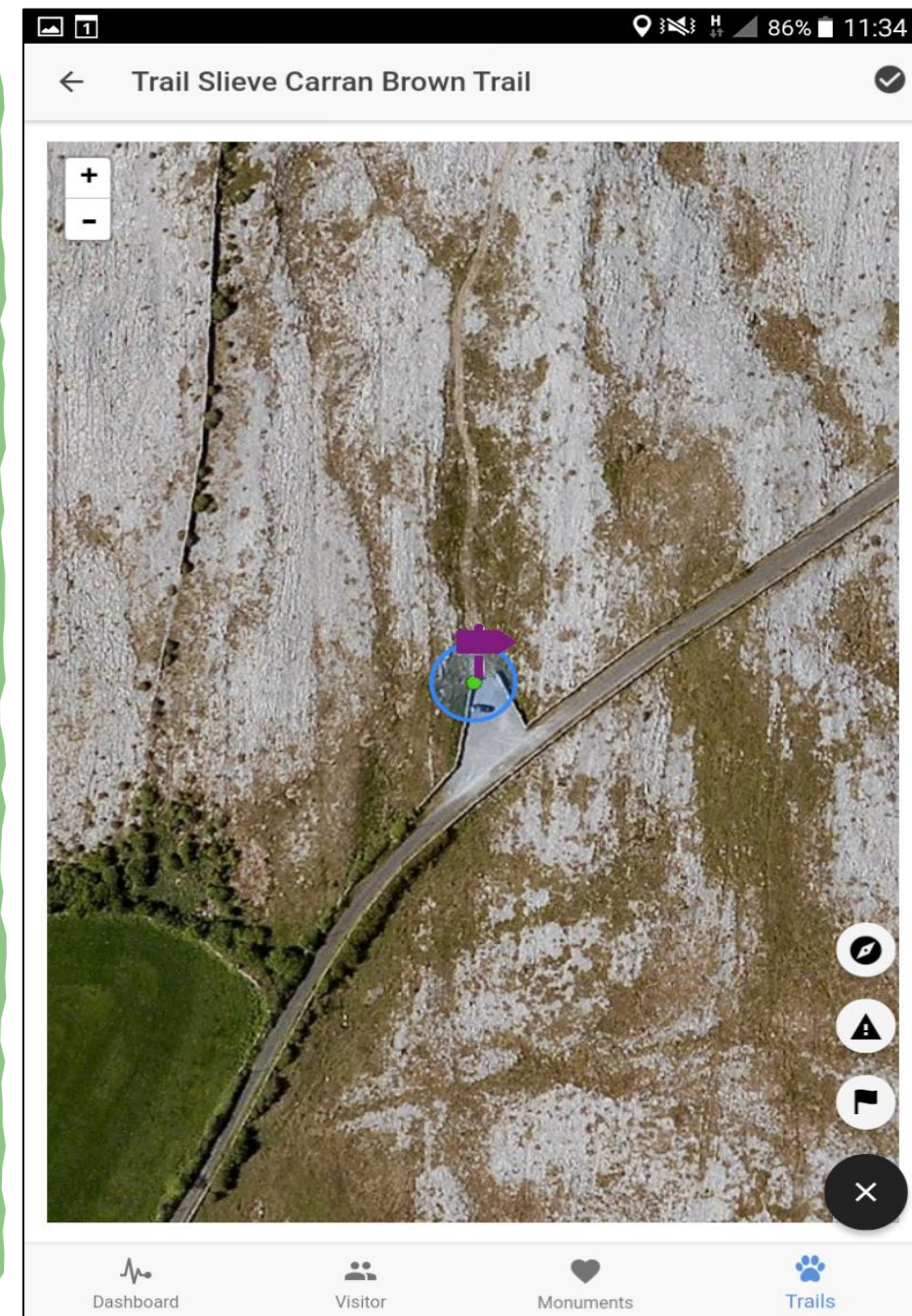
Sun Nov 19 2017 11:34:25 GMT+0000 (GMT)

CANCEL

OK

The user then selects the relevant symbol from the bottom right hand side of the page – trail marker, signage point or invasive species.

In the example provided the user has selected trail signage, as there is an interpretive panel at the start of the trail. **The location of the signage is marked** on the map when the user selects the signage button (standing at the correct location) and **the recording page shown to the left appears**. The user then enters the data with regard to signage type, condition, any maintenance action required, additional comments and takes photos.



Add Trail Point

Width of Trail (Meters)

3

Condition of Trail

Fair

Action Required

2-6 months

Comment

Waterlogging due to recent wet weather. Recommend monitoring in spring

Photos

Snap Photo



Sun Nov 19 2017 11:37:39 GMT+0000 (GMT)

CANCEL

OK

When the **user selects a monitoring point** it is automatically highlighted on map and the data recording page shown above can be filled.

Trail Slieve Carran Brown Trail



Dashboard

Visitor

Monuments

Trails

Invasive Species



Japanese Knotweed



Himalayan Balsam



Giant Hogweed



Giant Rhubarb



Rhododendron



Unknown

Snap Photo

CANCEL

OK

When the user selects **invasive species**, the location is highlighted on the map and this photo identification page appears where the user selects the noted species and can take photo.

When the **user has completed the field survey** for each of the components the dashboard page will indicate which sites have been completed (user clicks a finished button in the relevant repository) and which are incomplete.

Incomplete sites can be completed later if the monitoring session is interrupted for some reason.

If the user is not happy with some of the site records they can be deleted.

When the user wishes to upload the completed records to the website portal the upload button is clicked and the records automatically upload. As coverage is often haphazard in the field data can be uploaded on return to the office.

