



GlacierTracker

User Guide

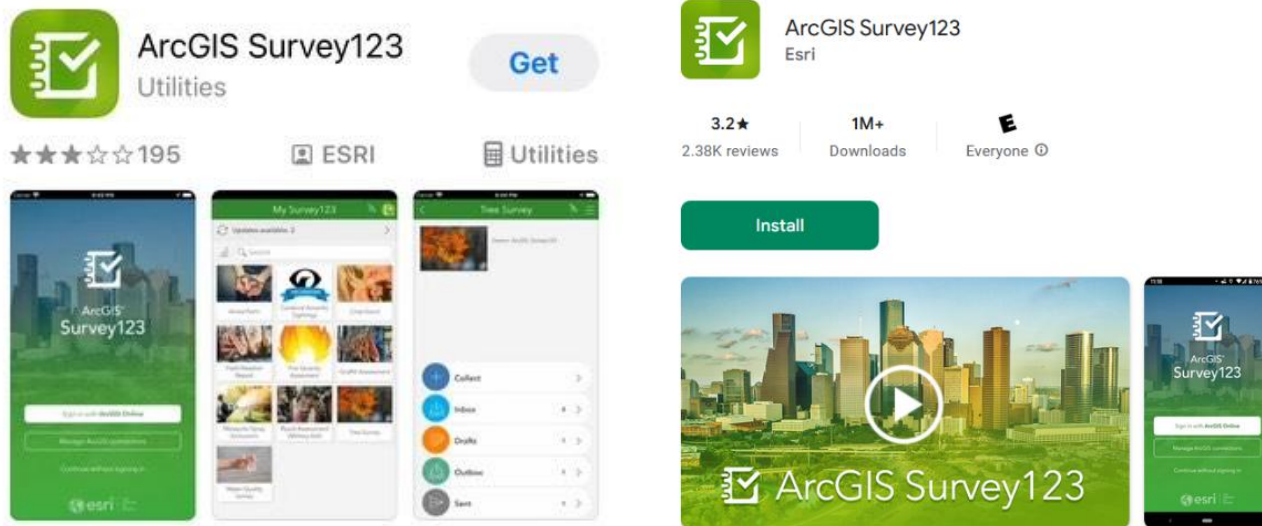
Instructions for downloading Survey123, accessing Oregon Glaciers Institute's repeat photography tool, and sideloading offline map packages.



Downloading ArcGIS Survey123

Survey123 is available for free on both iOS and Android.

Open the **App Store/Google Play Store**, search for **Survey123**, and click **Get/Install** to install the app.



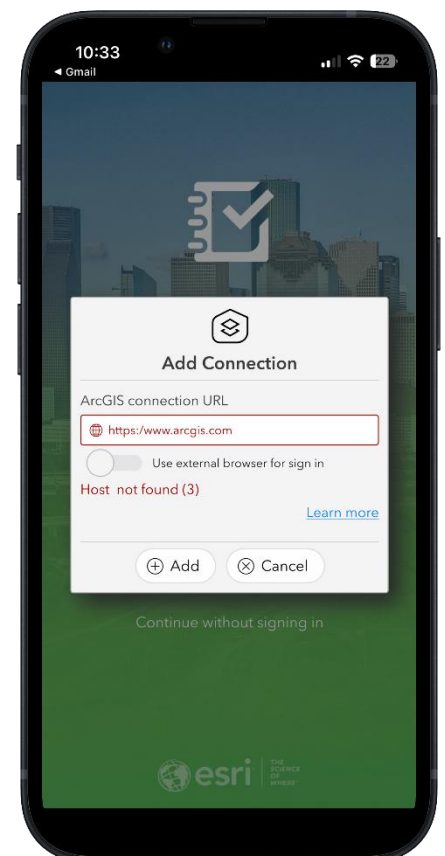
Downloading the GlacierTracker Form

Scan QR Code or click on link using a smart phone:



[GlacierTracker Link](#)

If you click the link with a smart phone, you will be prompted to add a connection. Click **cancel**.



Downloading the GlacierTracker Form (cont.)

If you do not have an ArcGIS Online or Enterprise Portal account, click on **Continue without signing in**.

The GlacierTracker survey will automatically open. After agreeing to the disclaimer, you will be able to choose the range and mountain of interest. Once those are selected, you will be presented with a link to the applicable map package to sideload for offline use.

Downloading and sideloading the map(s) must be completed in advance using a reliable internet or cellular data connection.

The image displays two screenshots of the GlacierTracker application interface.

Left Screenshot (Login Screen): The background shows a city skyline. The text "ArcGIS® Survey123" is prominently displayed. Below it, there are three buttons: "Sign in with ArcGIS Online", "Manage ArcGIS connections", and "Continue without signing in". The "Continue without signing in" button is circled in red.

Right Screenshot (Survey Form): The form is titled "GlacierTracker". It includes a disclaimer: "The goal is to reproduce the picture by adjusting the area of the photo to fit the width of the image." Below this, there are fields for "Date" (set to Sunday, November 2, 2025), "Range" (set to Oregon Cascades), and "Mountain" (set to Mt. Hood). A red circle highlights a section of text: "Click on this [link](#) to access the downloadable Mt. Hood reference map for offline use. (The GlacierTracker User Guide has instructions on how to sideload the map.)". Below this, there is a "Glacier" field and a section for "If needed, reference your location on a map:" with a map icon.

Downloading and Sideloading a Mobile Map Package

Links to applicable mobile map packages can be found in the GlacierTracker App or below:

[Mt. Hood](#)

[Mt. Jefferson](#)

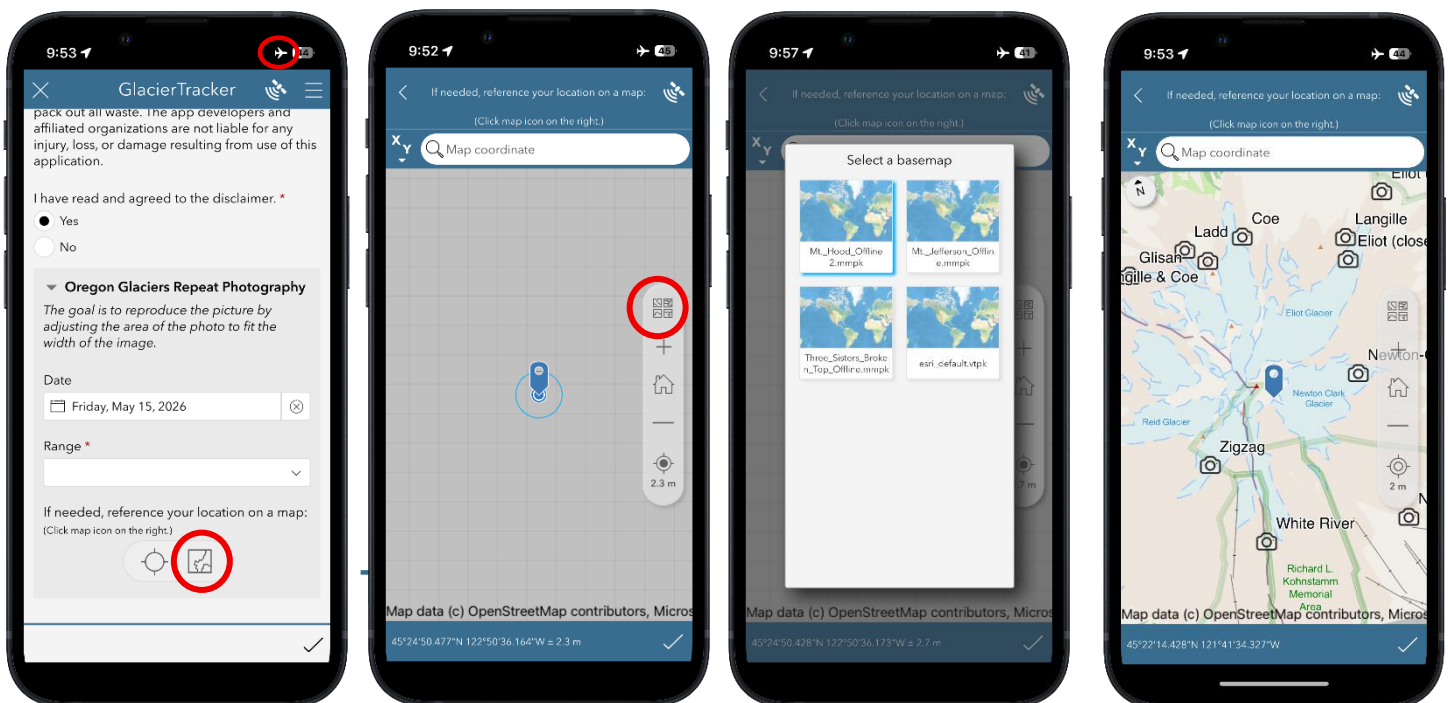
[Three Sisters/Broken Top](#)

After downloading the appropriate map to your phone,

click **Save to Files** → click the **Survey123** folder → click the **ArcGIS** folder → click **My Surveys** folder → click the folder starting with “1e1e” → click **esriinfo** → click the **media** folder → click **Save** in the upper right corner

If you are not prompted to save the file to a destination, you can locate the map package in your **Downloads** folder and **Move** it to the folder location described above.

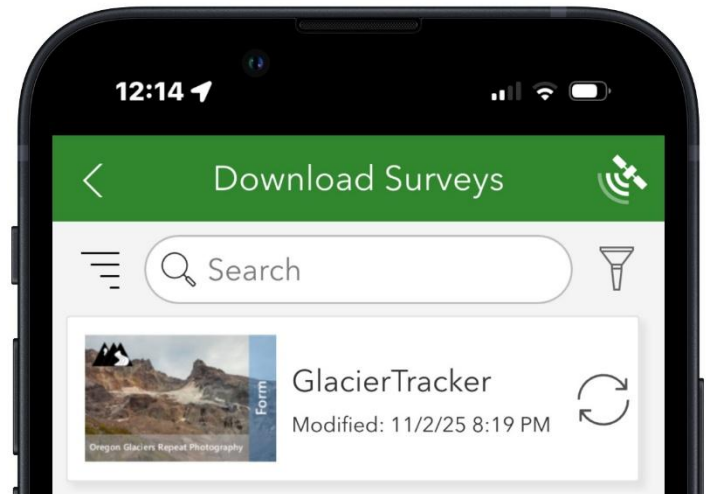
You can verify that the map package is available offline by switching your phone to airplane mode, opening the GlacierTracker app, advancing through the form to the map icon, selecting a new basemap, and panning to your area of interest to confirm that the map displays correctly.



Troubleshooting Tips

- If you downloaded the GlacierTracker survey in the Survey123 app but it does not open, check to make sure that you are not on the **Download Surveys** screen.

If you are on this screen, click the back arrow in the upper left to be returned to the screen where you can open the GlacierTracker form.



- Do not uninstall the Survey123 app if you have unsynced data.
- Survey123 uses significant GPS power and can drain your phone battery quickly, especially if it continues running in the background. To reduce battery use, fully close the app when you are not actively using it.
- If you have followed the steps of downloading and sideloading a mobile map package and do not see it in the basemap choices, try fully closing the app and reopening it.