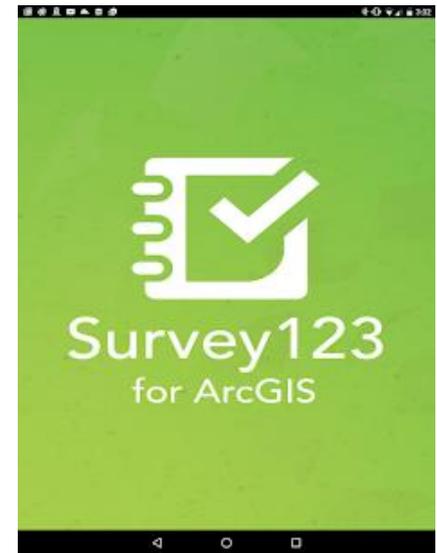


How to use Survey 123 for Chimney Swifts

Montana Natural Heritage Program and Montana Fish, Wildlife & Parks have designed an application for surveying chimney swifts. Now you can use your smart device for in-field data collection, eliminating hours of time spent hand-entering data! This guide will cover all you need to know on using Survey 123 to survey for Chimney Swifts, but for more information on how to survey and where, please visit MT Audubon's website: www.montanabirdsurveys.com

To get started:

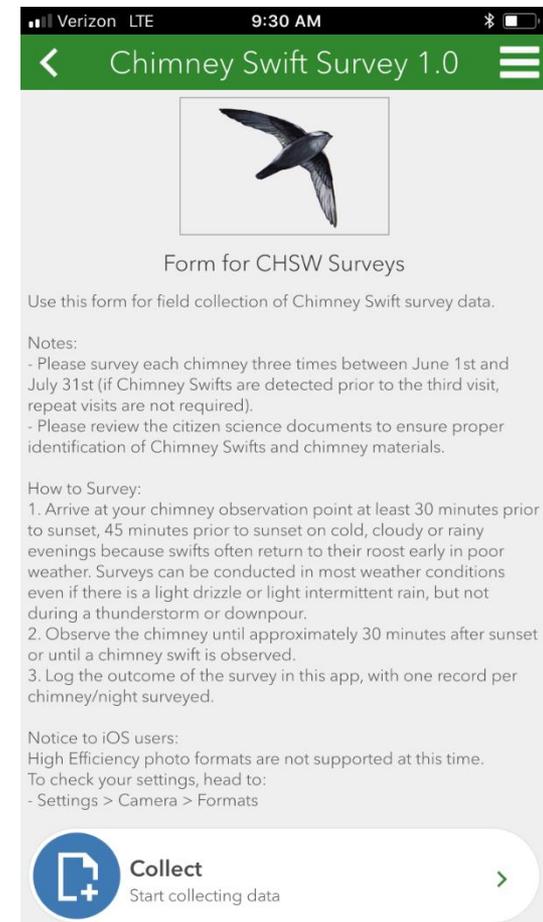
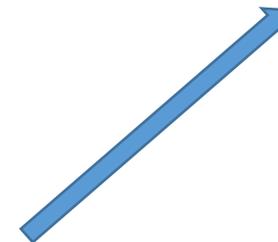
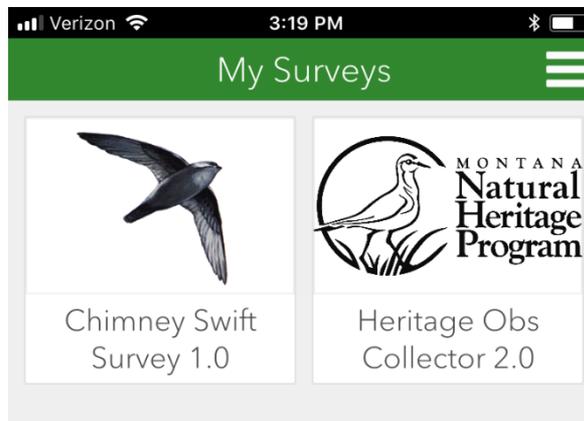
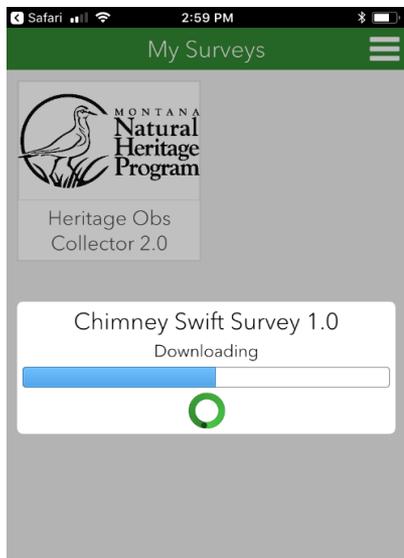
- Log in to your iPhone App store or Android Google Play
- Download "Survey 123" - Don't worry, it's absolutely free!
- Once the app is installed it will take you to a page that looks like this (see right) with a "Sign In" button at the bottom. ****DO NOT** sign in – you don't need to. Close the app or navigate to the link for the survey application using one of the following methods:
 - The website designed by MT Audubon (www.montanabirdsurveys.com) also has a link to download the survey application for Survey 123. To navigate the website for the link, click on 'Chimney Swifts'. Next click on 'Survey Resources' and then 'Survey 123 App for CHSW'. On this page there will be a link to download the survey application.
 - Another option is to type the link below in your browser or open this document in your email and click on the link:
<https://survey123.arcgis.com/share/71a1295e98a946c58fe193d6c6867352?open=native>



Chimney Swift Survey 1.0 is a program designed to run in the Survey 123 App (above) on a hand-held smart device.



- Once you open the link, it should ask you if you want to open in Survey 123 (click yes) – the download may take several minutes and is best to complete when connected to Wi-Fi. Keep your phone active (i.e keep touching the screen, check your email, etc. so the process doesn't time out or auto-lock). When downloading, the page should look like the figure in the bottom left.
- You'll know the app is working when your screen shows "Chimney Swift Survey 1.0" (see bottom center).
- Now you are ready to explore the app and see if you can do a "mock" swift transect. Click on the chimney swift icon (bottom center) and the screen to the right should appear. Click "Collect".



Verizon 3:14 PM

CHSW Survey

Citizen Science documents can be accessed here: www.montanabirdsurveys.com

Observer/Date/Location

Observer *
Brandi Skone

Survey Date *
May 18, 2018

Time (at Start) *
3:10 PM

Visit Number *

Location of Survey Site

Click on map and use the pin to mark the location of the survey site if GPS is inactive/inaccurate.

46.404°N 105.829°W ± 10 m

1 of 2

- A new survey window, like the image to the left, should appear. Here is where you will enter basic survey information. NOTE – this information has to be filled out for every chimney surveyed.
- For observer, list your first and last name.
- Survey date and time will automatically be populated with the current date and time. If you are filling out this form on another day or a different time, you'll have to change this to the applicable date/time of the survey.
- Visit number pertains to how many times you have visited that chimney. Each chimney can be visited up to 3 times to confirm no swift presence.
- Notice the link at the top of the survey form for www.montanabirdsurveys.com – this link will take you to the citizen science website created by MT Audubon and will allow you to access essential information on these surveys (e.g. protocol, sites to survey, etc.)

Verizon 3:13 PM

CHSW Survey

Visit Number *

Location of Survey Site
Click on map and use the pin to mark the location of the survey site if GPS is inactive/inaccurate.

46.404°N 105.829°W ± 10 m

Site Address or Location Description *
e.g. 101 N. Main, corner of 1st and Main

Site/Chimney Photo (preferred)

1 of 2

➤ At each stop the GPS in the application will find your location for you, and the box indicating your location will turn from red to gray as the location is found. You should not have to edit your location data. If your location seems wrong, tap the 'compass' (see arrow) to reset your location.

- If you are entering your data at a later date, you'll have to tap on the map and position the red pin at the correct location.

➤ You'll also need to record the address of the building you're surveying (e.g. 101 N. Main St, or corner of 1st and Main)

➤ Under site/chimney photo, you can either click on the camera and take a photo of the building/chimney being surveyed OR if you have already taken a picture, you can access your photos by clicking on the folder. **It is highly encouraged that you take a photo whether chimney swifts are occupying that roost or not!!**

Verizon 3:13 PM

CHSW Survey

Citizen Science documents can be accessed here: www.montanabirdsurveys.com

Conditions and Swifts Observed

Temperature *

Wind *

Rain *

Clouds *

Building *

Chimney *

CHSW FLYING overhead *

2 of 2

Verizon 3:15 PM

CHSW Survey

Conditions and Swifts Observed

Temperature *

Cold (<30°F)

Chilly (30-40°F)

Cool (40-50°F)

Mild (50-60°F)

Comfortable (60-70°F)

Warm (70-80°F)

- For each survey you will have to enter the temperature, wind, rain, clouds, type of building and the material used to construct the chimney. Each category has a drop down box where you will be given options to choose from (See above for an example of what the drop down menu looks like for temperature).

Verizon 3:13 PM

CHSW Survey

CHSW FLYING overhead *

CHSW ENTERING chimney *

Comments

Survey Complete? *

Yes

2 of 2

- For each survey you will document the number of chimney swifts observed flying overhead during the survey (be conservative about this number – it should reflect the greatest number observed at one time and not the total sum the entire hour given that many of those swifts are probably the same ones flying back and forth through the area).
- For each survey you will document the number of chimney swifts observed entering the chimney.
- Add any comments pertaining to this survey.

Verizon 3:16 PM

CHSW Survey

Comments

Survey Complete? *

Yes

Verizon 3:16 PM

CHSW Survey

Comments

Survey Complete? *

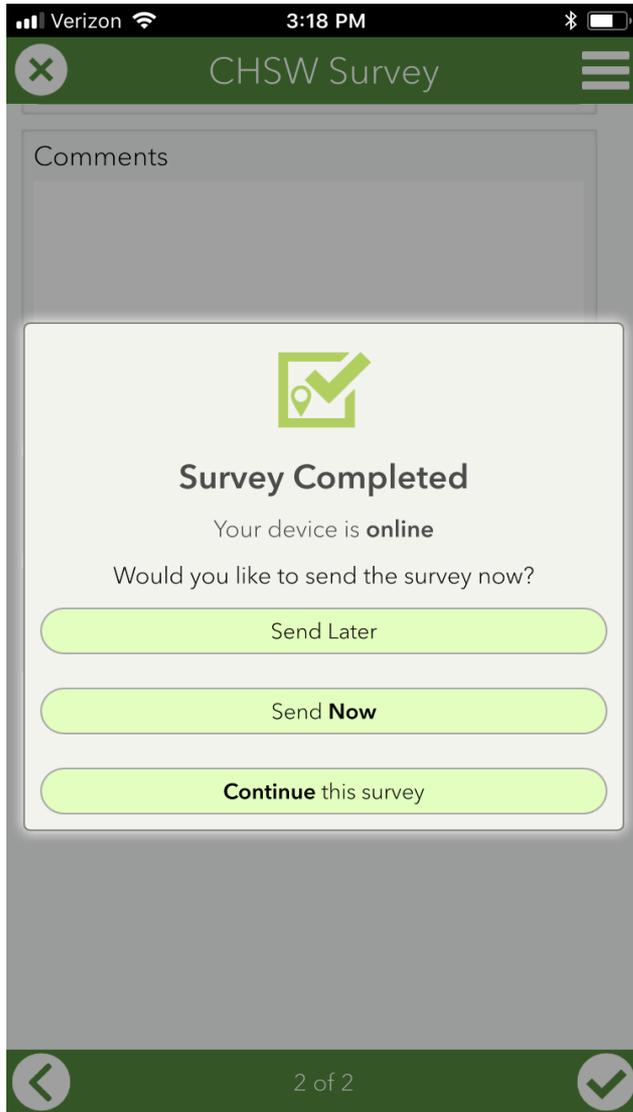
Yes

Time (at End) *

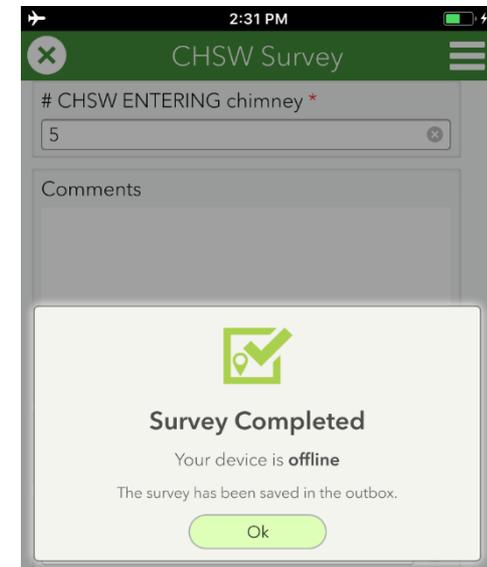
3:16 PM

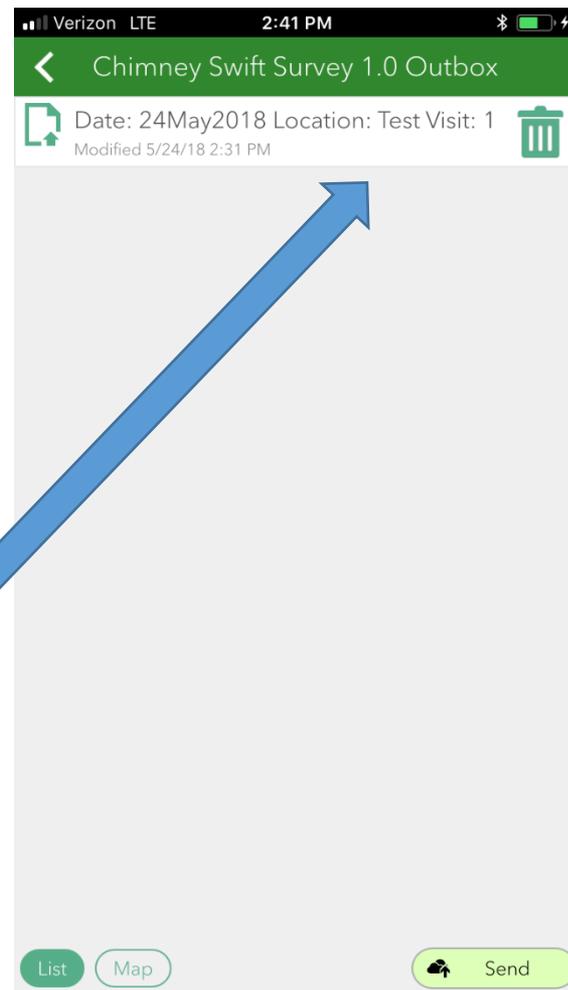
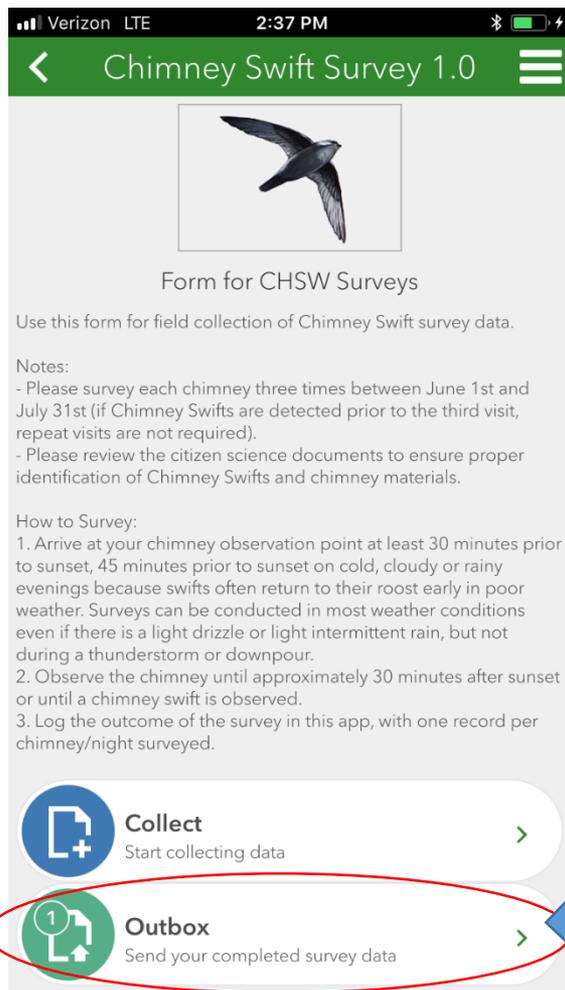
2 of 2

- Once you have filled out all of the information on both pages for the survey, click 'yes' for survey complete.
- This will pop up a box to fill out for the end time. The time will again be automated based on the current time. If the survey is being entered at a different time, adjust the time to reflect when the survey ended.
- Next you'll click the check mark in the bottom right hand corner (next to the yellow star).



- You will be prompted to send the data later, now, or continue the survey.
 - If you click 'Send Later' the data will be stored in your outbox within the app. You can access this at anytime and send when you're ready.
 - If you click 'Send Now' the data will be sent immediately to the Montana Natural Heritage Program where it will be stored.
 - If you click 'Continue this survey' you will be taken back to the previous step where you can view the data already entered.
- If you do not have a signal on your phone, the survey will be saved in your outbox. Once you have a signal, you'll need to open that survey again and resubmit (see below).





- If your survey did not send, when you reopen the Chimney Swift Survey form, you'll see that there is something in your outbox. If you click on the outbox, it will take you to a page with a list of all the surveys that have not been sent. You can either click 'Send' at that point or click the 'trash can' to delete the surveys.



- This product is brand new and so we can expect some troubleshooting along the way. It's recommended that you practice with the app beforehand to feel comfortable using it before your actual survey.
- For more information on the protocol, how to identify chimney swifts, sites to observe, or hard copy datasheets, please visit the www.montanabirdsurveys.com website.

We hope you will enjoy how easy and streamlined the application really is, and how much time it will save!

Please call or email Allison Begley (406-444-3370) or abegley@mt.gov for assistance.