

# **EWP & StRAP Site Assessment Tool**

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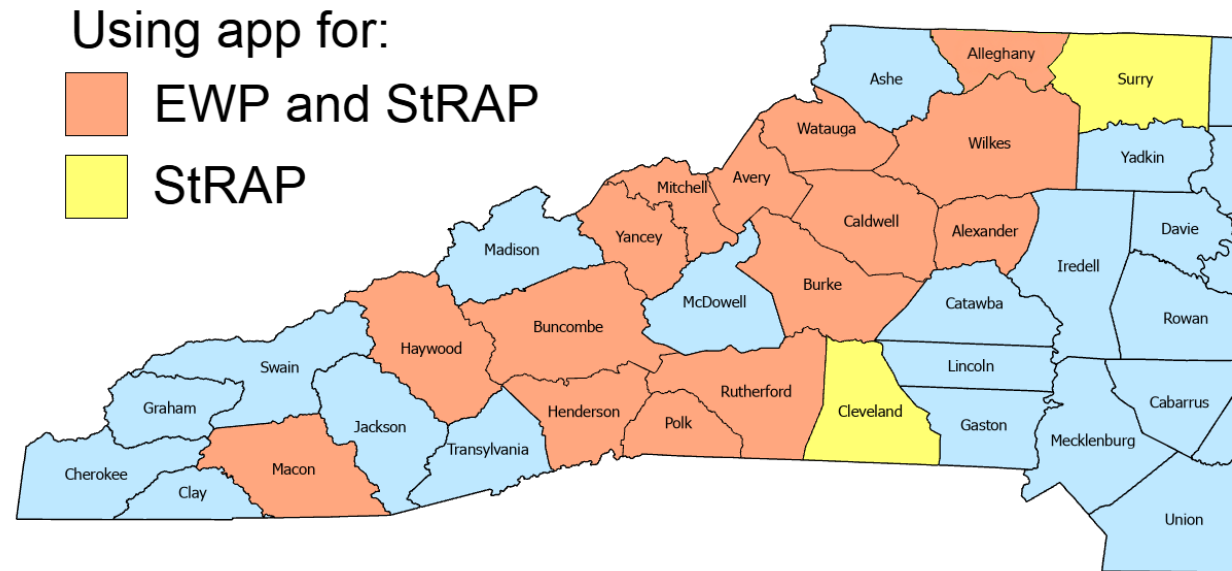
5/21/2025

# EWP & StRAP Site Assessment Tool

- What is the EWP & StRAP reporting tool?
  - Mobile and desktop ArcGIS app to gather data and generate reports for EWP forms.
- Why and How was it developed?
  - Simplified and automated the paper process
  - Coordinated and streamlined with NRCS & local SWC districts

# Anticipated Use

- What will be Collected?
- How will it be used?
  - Helene EWP
  - StRAP
- App in use across several districts
  - Feedback from in-person trainings with:  
Buncombe, Haywood, Henderson, Polk,  
Rutherford, Yancey, Mitchell, Burke,  
Watauga, Alexander, Wilkes and Surry



**Anticipated number  
of EWP sites**

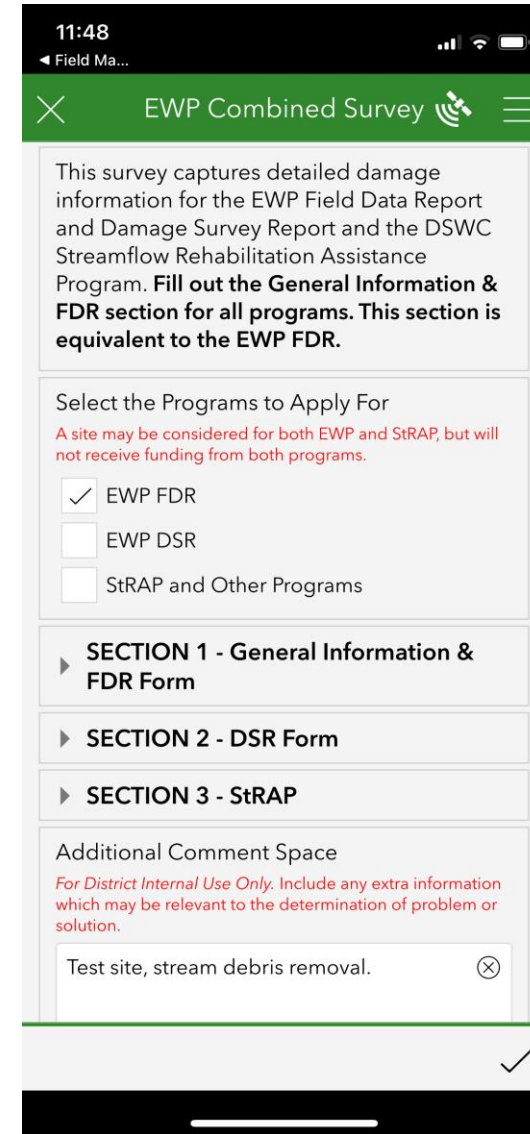
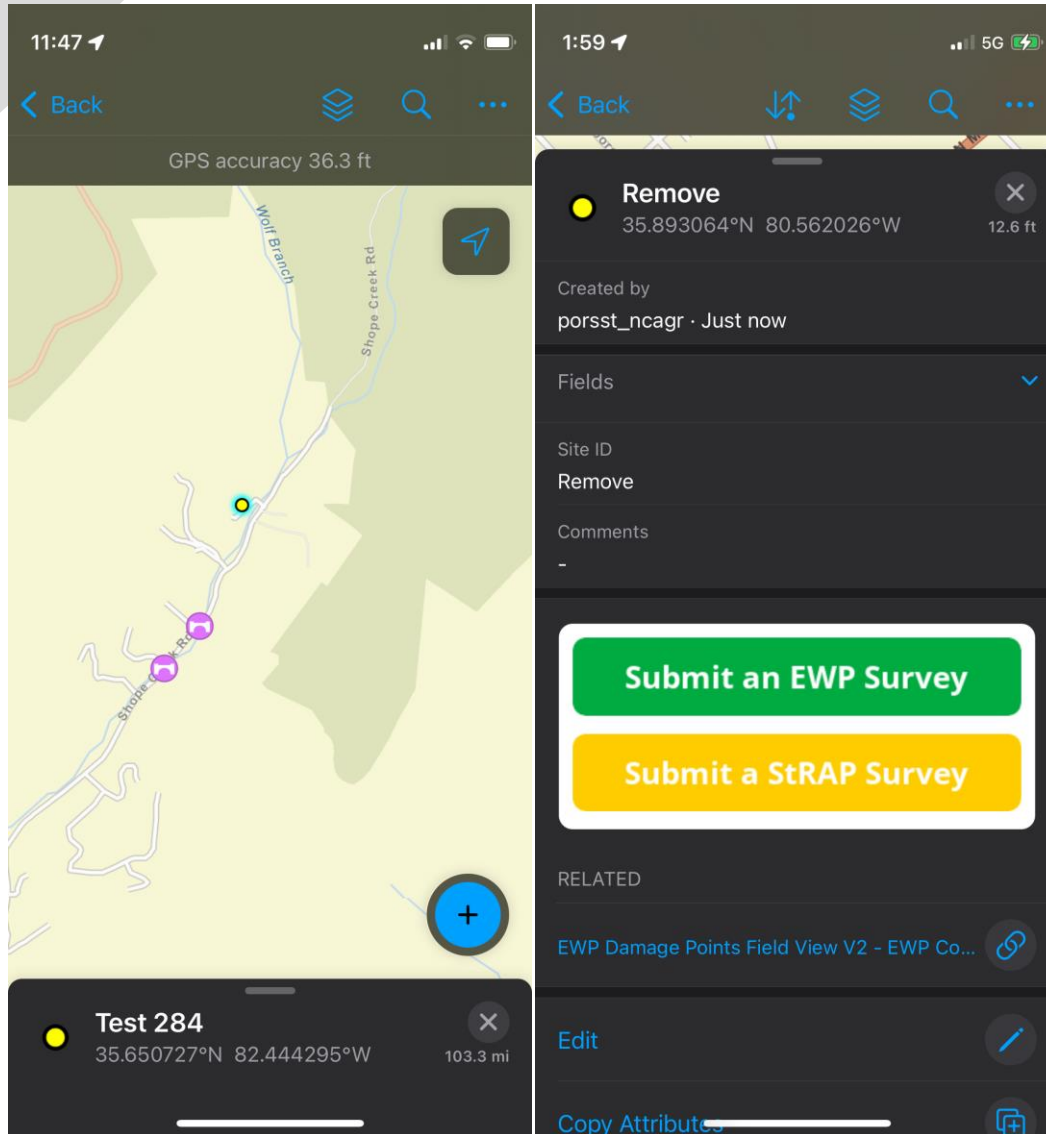
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**~1-2,000**

## Field Maps

# Data Collection

## Survey123



# Online Editing

**EWP Sites - Web Editor**

Filter sites, select a site, then edit details in the Survey123 app.  
[Request a Report](#) | [Generate a Report](#)

Site ID is  County is  Census Tract is

Township is  Subwatershed Name (HUC12) is

Scroll and select a site below to find it in the Map.

- 287 Susan Purdue - Headwaters Broad River - Buncombe
- 444 Brook Harris - Upper Cane Creek - Buncombe
- 425 Bruce Tettener - Headwaters Broad River - Buncombe
- 89 - Upper Cane Creek - Buncombe
- 106 - Upper Cane Creek - Buncombe
- 417 - Upper Cane Creek - Buncombe
- 534 - Upper Cane Creek - Buncombe
- 500 Deanna Knox - Flat Creek - Buncombe
- 442 - Headwaters Broad River - Buncombe
- 223 - Headwaters Broad River - Buncombe
- 558 Danny Phillips - Reems Creek - Buncombe
- 194 - Headwaters Broad River - Buncombe

287 Susan Purdue

Zoom to

Site ID	287 Susan Purdue
Comments	Broad River Side

[Submit an EWP Survey](#)

[Edit an EWP Survey](#)

[Edit a StRAP Survey](#)

1,000 ft

NC CGIA, Maxar | NC Geographic Information Coordinating Council and NC Department ... Powered by Esri



# Online Editing and Paperless Reporting

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- Select and view sites
- Markup the map and view post-Helene imagery
- Edit details submitted by you or another mobile worker
- Generate or request reports within a few clicks

## EWP Stream Bank Stabilization Field Data Report

Modelled Version: 2025-1

Creation Time: April 24, 2025 9:51 AM

**\*\*You are responsible for reading and following the requirements of the NRCS form\*\***

### Background

Event Name: Helene

Site/Local Name: Test 1

Site Visit Date: April 23, 2025 2:17 PM

DSR Number:

County: Polk

Coordinates: 35.2298, -82.3447

Sponsor Name: Polk SWCD

Type of Structure: Occupied Residence

Investigators: KG, KG

### Site Eligibility/Defensibility

Damage a result of a natural disaster? **Yes**

Remarks: Damage sustained during Hurricane Helene.

Recovery measures would be for runoff retardation or soil erosion prevention? **Yes**

Remarks: Protection of structure for future events.

Threat to life and/or property? What is likely to happen if the damage is left untreated? List public, business, and commercial properties. **Yes**

Remarks: House is within 3 feet of the bank and clearly structure is threatened.

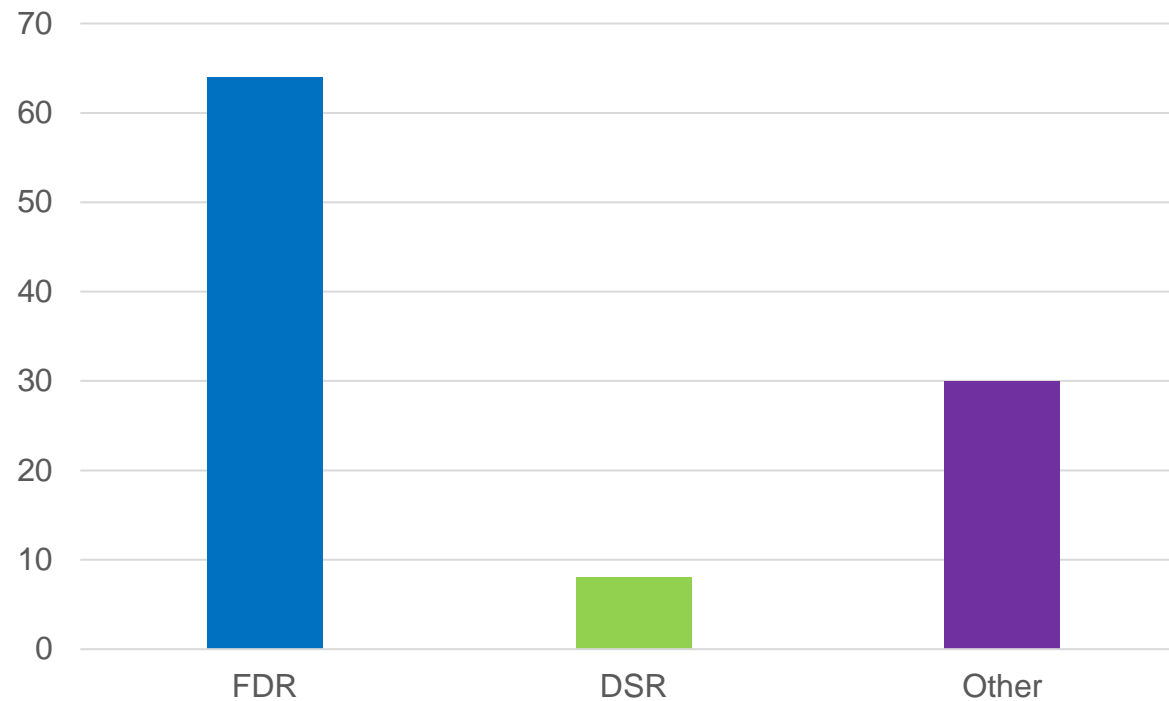
Event caused a sudden impairment in the watershed? **Yes**

Remarks: Yes, damage was clearly not here prior to Helene.

Imminent threat was created by this event? What is the evidence that there has not been an ongoing watershed problem at this site, and that the impairment suddenly arises as a result of the natural disaster? **Yes**

Remarks: Access bridge completely destroyed and home is in danger.

# Rapid Turnaround

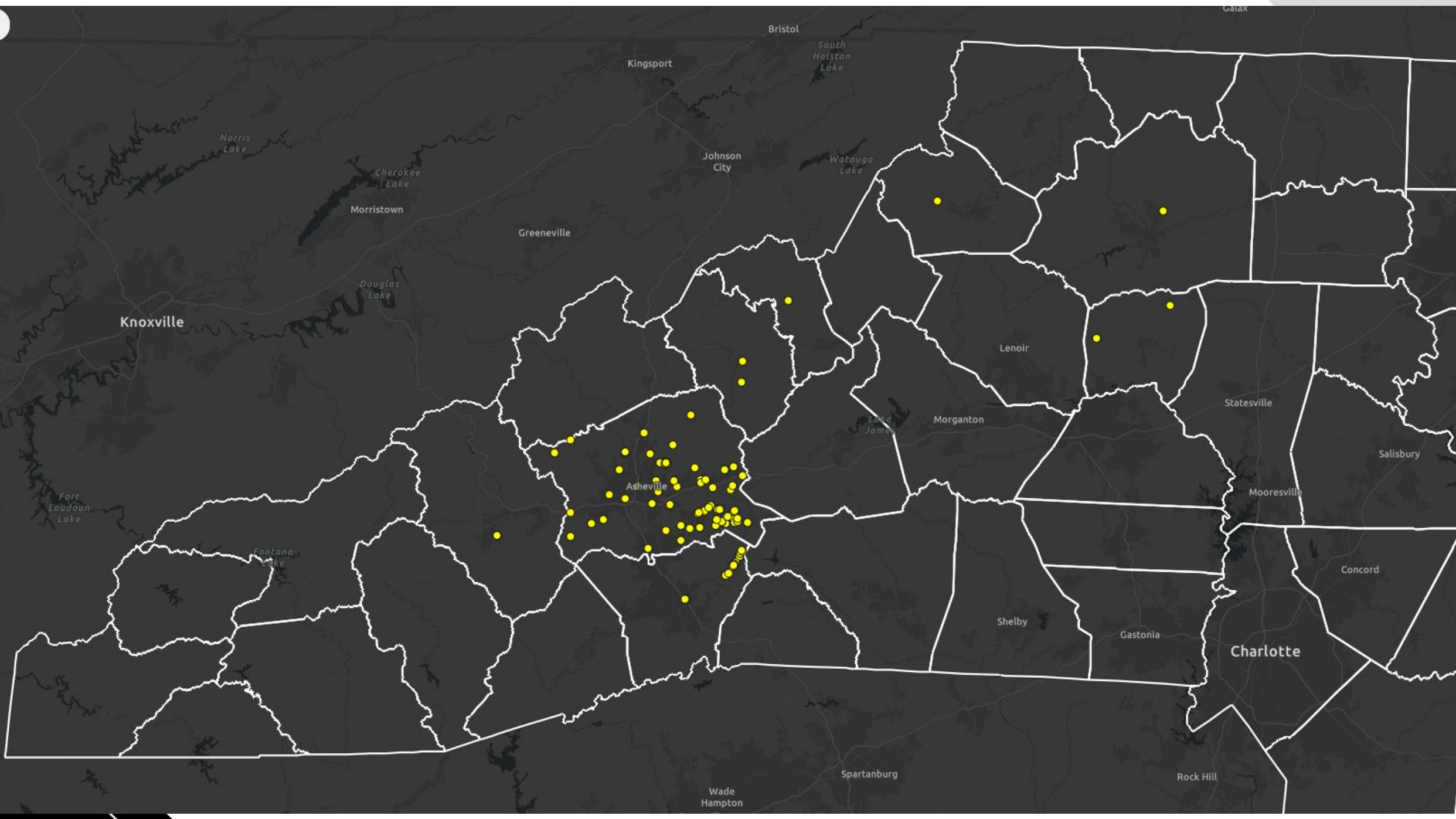


## ▲ Total Sites

124 sites  
entered

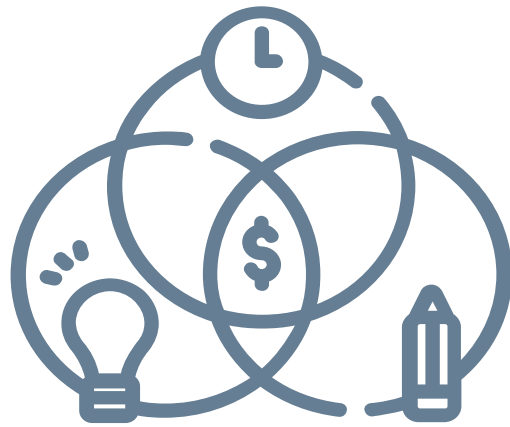
## ▲ Total Surveys

102 records  
generated



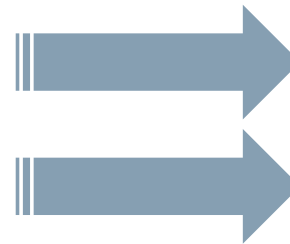


# StRAP Integration



## Overlapping Interest

Most sites not funded through EWP will be considered for StRAP assistance



## Simultaneous collection

- Stream Length
- Estimated Benefits
- Prior Work



## Additional Support

StRAP-specific survey in development

# Next Steps

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## Rollout

Counties beginning or continuing EWP surveying



## Future Availability

May 29<sup>th</sup> timing coincides with Atlantic Hurricane Season on June 1



## Showcase

Will continue to present the app at regional meetings



## Non-Disaster Workflow

Developing a workflow that cuts down on ArcGIS account needs