

# EWP & StRAP Site Assessment Tool

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





# **Data Collection**

#### **Field Maps**



#### Survey123

	EWP Combined Survey 🔖 🚊
infor and Strea Prog <b>FDR</b>	survey captures detailed damage mation for the EWP Field Data Report Damage Survey Report and the DSWC amflow Rehabilitation Assistance fram. <b>Fill out the General Information &amp;</b> <b>section for all programs. This section is</b> valent to the EWP FDR.
A site	ct the Programs to Apply For may be considered for both EWP and StRAP, but will ceive funding from both programs.
~	EWP FDR
	EWP DSR
	StRAP and Other Programs
	ECTION 1 - General Information & DR Form
F	ECTION 2 - DSR Form
▶ F	
▶ F ▶ S ▶ S	ECTION 2 - DSR Form
F S S Add For Di	ECTION 2 - DSR Form ECTION 3 - StRAP itional Comment Space strict Internal Use Only. Include any extra information may be relevant to the determination of problem or

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# **Online Editing**

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7 Susan Purdue 🗗 🗸	×			🕚 🕚 444 Brook H
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Comments Broad River Side		1/		• 106 - Upper
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#### **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					
-	Buncombe	~	- All -	¥				
Township is	Subwatershed Name	(HUC12) is						
- All - 🗸	- All -	~						
Scroll and select a site below to find it in the Map.								
• 287 Susan Purdue - Head	waters Broad River - Bu	ncombe						
<ul> <li>444 Brook Harris - Upper</li> </ul>	Cane Creek - Buncomb	e						
<ul> <li>425 Bruce Tettener - Headwaters Broad River - Buncombe</li> </ul>								
<ul> <li>89 - Upper Cane Creek - Buncombe</li> </ul>								
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								
<ul> <li>558 Danny Phillips - Reen</li> </ul>	ns Creek - Buncombe							
• 194 - Headwaters Broad F	River - Buncombe							

# Online Editing and Paperless Reporting

- 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 Visit Date: April 23, 2025 2:17 PM County: Polk Sponsor Name: Polk SWCD Investigators: KG, KG Site/Local Name: Test 1 DSR Number: Coordinates: 35.2298, -82.3447 Type of Structure: Occupied Residence

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 bride 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

### Additonal Support

StRAP-specific survey in development



## **Next Steps**

#### Rollout

Counties beginning or continuing EWP surveying

#### Showcase

Will continue to present the app at regional meetings

#### **Future Availability**

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



#### **Non-Disaster Workflow**

Developing a workflow that cuts down on ArcGIS account needs