

Field Data Report (FDR) and Damage Survey Report (DSR) Survey Completion Process Disaster Assessment and Reporting Tool (DART)

As of late 2025 the FDR and DSR reporting processes have been combined into one if you use the Disaster Assessment and Reporting Tool (DART) app. To complete an FDR, you need to submit your DART FDR application to NRCS.

To further complete a DSR you will submit the following packet of materials to NRCS:

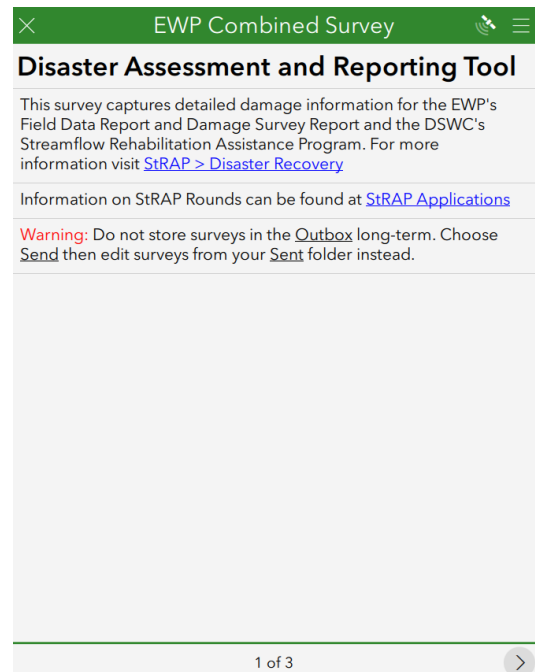
1. The FDR form, with any necessary additions or revisions.
2. Aerial Photo/Map with Extent of Damages Marked and a Location Map Showing Roads to the Site.
3. NC NRCS Cultural Resource Review Form with a Map at 1: 24,000 scale.
4. NRCS CPA-52 form completed and signed through section O.
5. Special environmental concern report from NRCS APE Analysis web tool.
6. Any other documentation as requested.

Please read through the Installation and Field Visit Process guides first if you do not know how to initiate an EWP survey.

FDRs & DSRs Using the New App

Application and Location Details

- You can edit surveys either in the mobile app for a first-time site visit, or through the [EWP Web Editor](#) to edit an existing survey. Start by selecting your survey and navigating to the first page or splash screen.
 - This page links additional information for the EWP and StRAP processes. If a StRAP round is open, you may find information for the application period on this screen.
- At any point in the process, you can save a survey and come back later. You must fill out 3 required fields: Site/Local Name, County, and Sponsor Name. Once these are filled in, click the checkmark on the last page and choose *Send* or *Save in Outbox*. You can later edit a sent survey while in the field.



- The second page has Application and Location Details.
 - Start by providing a site name. This will be the unique ID for the site and you will need this to find the site later in the EWP Web Editor.
 - Select the program to apply for as EWP or StRAP. Choose EWP if you wish to apply for both or leave this blank if you want to save this site for another program.
- Next, set the site location. You can enter a latitude and longitude in decimal degrees at the top. If you enter a lat/long, make sure to click the Refresh icon to the right of the map to update it.

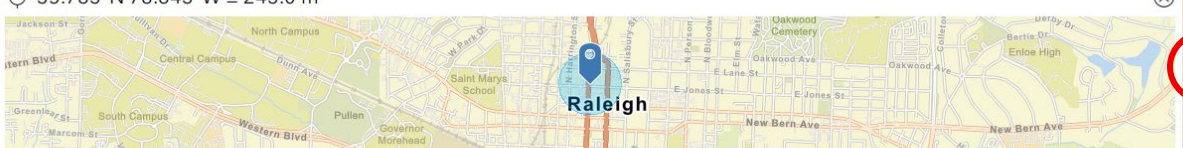
▼ Add coordinates OR select your site in the map.

The first Lat/Long are optional and temporary, if you'd prefer to enter coordinates to populate the Map. The map and second set of Lat/Long must be populated.

Latitude Optional	Longitude Optional

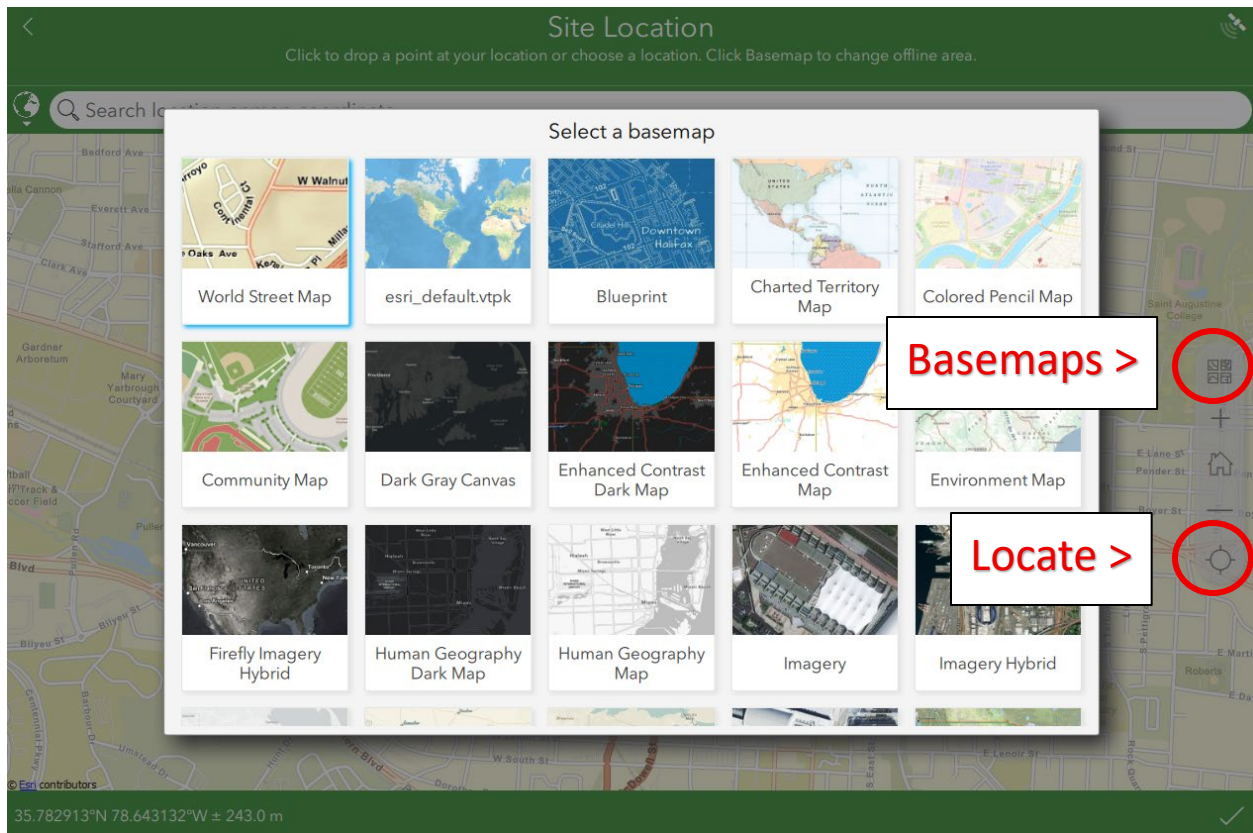
Site Location
Click to drop a point at your location or choose a location. Click Basemap to change offline area.

📍 35.783°N 78.643°W ± 243.0 m



Latitude These auto-populate from the map.	Longitude These auto-populate from the map.
35.7829	-78.6431

- Alternatively, you can use the map.
 - If you are online, you will see a basemap automatically. Click the *Locate* icon to drop a point at your current location.
 - If offline, you may see a blank map instead. Click into the map to open the Site Location window, then click the Basemap icon on the right side of the screen. If you downloaded a basemap during set-up, it will appear at the top of the available basemaps list. Even if you don't have a basemap downloaded, if you have GPS service you can click the *Locate* icon to set a point at your current location.
 - Click the checkmark at the bottom right when you are done to leave the Site Location window.



Background Information

- The third page of the survey, *General Information* has 7 main sections. Not everything is required for all forms, but you need to complete sections 1-5 for an FDR and DSR.
- If you complete the form in order, some fields will auto-populate to make filling it out simpler. For instance, choosing a *County* will limit the selection of *Subwatersheds*, auto-populate a *Sponsor Name* to the SWCD and *Sponsor Contact* fields. Make sure to revise these if the auto-population is incorrect.
- Some information such as *DSR Number* will not be available when completing an FDR. Leave this blank for now and edit this before submitting a DSR.

Site Eligibility/Measures Eligibility

- The *Site Eligibility and Measures Eligibility* questions in DART have been updated and may be different from what are in the physical document. The eligibility section in DART now includes four groups of questions covering site eligibility, measures eligibility, prioritization and other social considerations.
 - To qualify for EWP assistance, all questions under *Site Eligibility* must be NO

▼ Site Eligibility

All Site Eligibility questions must be NO to be eligible for EWP assistance.

This is the third time a structural measure for the same type of natural event has been installed or repaired using EWP assistance in the same location within a 10-year period.

☐ Yes

☒ No

The EWP assistance is for operation or maintenance, such as the periodic work necessary to maintain the efficiency and effectiveness of a measure.

☐ Yes

☒ No

The EWP assistance is for repairing, rebuilding or maintaining private or public transportation facilities, public utilities, water distribution systems, or similar facilities.

☐ Yes

☒ No

The EWP assistance, funded by NRCS, is on federal lands and such assistance augments the appropriations of other federal agencies.

☐ Yes

☒ No

The EWP assistance is for rehabilitating nonstructural management practices.

☐ Yes

☒ No

The EWP assistance is for repairing coastal erosion to beaches, dunes, and shorelines.

☐ Yes

☒ No

Site Eligibility Response

Describe why this site is eligible for EWP. Note if there is an imminent impairment and its cause.

- To qualify for EWP assistance, all questions under *Measures Eligibility* must be YES

▼ Measures Eligibility

All Measures Eligibility questions must be YES to be eligible for EWP assistance.

The measures provide protection from additional flooding or erosion.

☒ Yes

☐ No

The measures restore the hydraulic capacity of the natural environment to the maximum extent practical.

☒ Yes

☐ No

The measures reduce threats to life or property from a sudden watershed impairment.

☒ Yes

☐ No

The measures are economically and defensibly viable and technically sound.

☒ Yes

☐ No

Measures Eligibility Response

Describe why the measures are eligible for EWP.

- After filling out the site and measures eligibility sections, you must describe, in general, why the site is eligible for assistance, noting any concerns in the *Site Eligibility* or *Measures Eligibility Response* textboxes.

- Provide a detailed *Damage Description* for the site. The damage description should be able to convey to someone who has not seen the site what damage has occurred where, what structures are imminently threatened, and describe any environmental or resource concerns. Any structures included in photos and in the Structure Value section should be included in some way in the damage description and eligibility questions.
- For the *Prioritization* section, *Ranking Number* will calculate automatically based on your answers to the following 4 questions. Your answer to question 3 "*Is this a site where buildings, utilities, or other important infrastructure components are threatened?*" should be YES if the site is eligible for EWP. The remaining questions in *Prioritization* and *Other Social Considerations* may be filled out to the best of your ability.

Initial Engineering Cost Estimate for Repair Measures

- The engineering and structures sections are set up to allow for multiple submissions. Click the + icon to start a new record. Enter the proposed engineering measure to protect this site. You do not need to have the engineering 100% accurate in the field, especially for the FDR, but try to estimate the lengths and types of practices needed.

▼ 3. Initial Engineering Cost Estimate for Repair Measures	
▼ Practices and Components #	
+	
Subtotal	Contingency (10%)
Total Cost Estimated (\$) <i>*Read Only*</i>	
▼ 4. Estimated Structure Value (Houses, bridges or other structures)	
▼ Structure Type #	
+	
Total Near Term Damage Reduction (\$) <i>*Read Only*</i>	Net Benefit (\$) <i>*Read Only*</i>
	🔒 Total near term damage reduction minus total practice cost: (\$)
	0

- Use the dropdown arrows on the right to select a *Practice/Component*. This will auto-populate some information including the Unit Cost and Unit. Verify this information is accurate or adjust it as needed, then type in the *Quantity per Unit*. Once you hit enter or click into a different cell, the form will calculate the *Recovery Measures Cost Estimate*. It will also generate the *Subtotal*, a *10% Contingency*, and

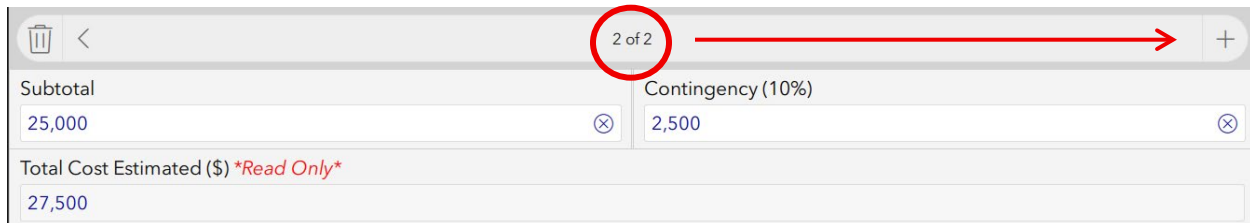
a *Total Cost Estimate* for your project. You can adjust any of these except for the *Total Cost Estimate* within the desktop Survey123 app. To adjust the total cost, adjust your subtotal and contingency values.

Banks 10+' Streambank and Shoreline Protection (580)	
Unit Cost (\$)	Unit
50	Linear Feet
Specify the Quantity per Unit	
50	
Recovery Measures Cost Estimate (\$)	
2,500	
Notes	
For District Internal Use As Needed.	
1 of 1	
Subtotal	Contingency (10%)
2,500	250
Total Cost Estimated (\$) <i>*Read Only*</i>	
2,750	

- For Riprap specifically, instead of entering a Quantity per Unit, new fields will appear asking for Bank Height and Distance. Add in the total area for which riprap would be applied, doubling the distance if you plan to do both banks.

Specify the Practice/Component	
Click the dropdown to select.	
Rip Rap (410/580)	
Specify the proposed recovery measure (including mitigation)	
Add Details.	
Rip Rap (410/580)	
Bank Height (ft)	Distance (ft)
For Riprap Calculation.	For Riprap Calculation.
6	100
Unit Cost (\$)	Unit
75	Square Feet
Specify the Quantity per Unit	
300	
Recovery Measures Cost Estimate (\$)	
22,500	

- At the bottom of the grey sections will be a bar that says 1 of 1. Use this to add additional records by clicking the + icon, to delete old records by clicking the trashcan, and to navigate between records. The *Subtotal*, *Contingency* and *Total Cost Estimate* will continue to calculate for all submissions as you add additional engineering components.



2 of 2	
Subtotal	Contingency (10%)
25,000	2,500
Total Cost Estimated (\$) *Read Only*	
27,500	

Estimated Structure Value

- Add to this section every structure that would be protected by the proposed action. Start by choosing the type of each structure with the first two questions.
- The *Unit* will auto-populate, and depending on the *Structure Type* selected, the *Total Structure Value* may auto-populate once you enter a *Quantity per Unit*. If you select Residence, Commercial Buildings, Private Well or Water Line, Septic, or Farmland (StRAP-Only), you will need to enter the structure value manually. For all other structures, determine if the default value is applicable and adjust as needed.
- The final value to input is the Damage Factor. A damage factor of 100% can be used for all structure types except Residences and Commercial Buildings, which should use 50%.
- *Near Term Damage Reduction* and *Total Damage Reduction* will calculate as you enter the above details. Once all information is entered, the *Net Benefit* field will show you if the total structure benefit outweighs the proposed engineering cost. This value is not submitted to NRCS in the report but should be greater than \$0.

Pictures and Descriptions

- Enter any site photos and maps into this section. You can take photos with the app directly, but it is recommended to take photos with your phone or another device, then upload it to Survey123 using the Files icon. Photos from a drone or another device can also be added this way through the desktop Survey123.
- Important reminders for photos. Photos should:
 - Include all structures mentioned in the application

- Clearly show the damage being described
- Sufficiently show the extent of damage, i.e., include multiple photos for long stretches of damage or if there are multiple areas of severe damage that cannot be captured in a single photo
- Capture the stream, damage, and affected structures together in at least one photo so show perspective
- Be clear and focused
- Be taken close to the subject (except for the perspective photo)
- Be taken from an angle to minimize foreground obstructions, including vegetation
- Add any maps, including those created through the Web Editor or APE tool to this section. When making your own map it should include a title, north arrow, scale bar, and a legend if it includes markups or unique symbology. If using ArcPro, you can use premade templates to ensure these elements are included.

CPA-52 and StRAP Sections

- If you are doing an FDR only, these sections are not required. If you anticipate doing a DSR for a site, or anticipating a site getting bumped over to StRAP, you may provide notes in these fields to assist with filling out the CPA-52 form and StRAP application.
- The CPA-52 form in DART is **NOT** a replacement for a CPA-52 form. This section is only for reference. Add a comment if you are on a site and note cultural resource concerns such as an endangered species. You can generate a CPA-52 template report from the Survey123 website and copy-paste the responses into the full NRCS form.
- Some sections of the StRAP form will auto-populate based on answers to the Engineering section. Verify this information, then fill in the remainder of the question to identify the repair need and benefits of a StRAP project.
- If your proposed project is longer than 300 linear feet, include a Start and Stop point using the map. Follow the same procedure as with the first map, labeling one point as *Start* and one as *Stop*. You can add additional points for key features such as log jams.

▼ StRAP Form

Repair Needs

☐ Streambank Stabilization
☐ Stream Debris Removal
☐ Sediment Removal
☐ Stream Repair
☐ PL-566 Structure Repair

Stream Length Needing Repair

Estimated length in feet.

50

Priority

District-defined funding priority

☐ Highest Priority
☐ Medium Priority
☐ Lower Priority

Total Cost Estimate

Total estimated cost including engineering, permitting and administrative costs.

27,500

▼ Add StRAP Start and Stop Points

+

Number of Habitable Structures Benefited

Number of Utility Structures Benefited

Linear Feet of Roadway Benefited

Acreage of Farmland Benefited

Other Estimated Benefits

Describe all flood risk and erosion reduction, or other benefits to all structures, utilities, roadways, farmland and other properties.

Has Work Been Started, Completed or Planned to be Completed on this Site Through Other Programs?

Including FEMA, USACE, EWP, private measures, or other methods.

☐ Yes
☐ No

Completing the Survey

- Once you have finished filling out or editing the survey, select the check mark in the bottom right corner. Select *Save in Outbox* if you are offline, otherwise choose *Send Now*.

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EWP Combined Survey

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Repair Needs

☒ Stream Debris Removal
☐ Sediment Removal
☒ Streambank Stabilization
☐ Stream Repair
☐ PL-566 Structure Repair

▶ 1.2 Site Eligibility/Defensibility

▶ 1.3 Initial Engineering Cost Estimate for Repair Measures

▶ 1.4 Estimated Structure Value (Houses, bridges or other structures)

▼ 1.5 Pictures and Descriptions

At least one picture is required for all programs. Make sure pictures are orientated correctly and include all property being affected (on site and downstream). Include cardinal direction with satellite images.

Picture 1

Attachment A aerial imagery. You can use the Web Map's Post-Helene imagery for this.



✓

☁

Survey Completed

Your device is online.

▶ Send now

↪ Continue this survey

💾

Save in Outbox