

2.11 | 3.1 | 3.4 | 3.13 | 3.14 | 4.1 | 4.2 | 4.3

Subtasks 4.2 and 4.3: Flood Resiliency Blueprint Tool Storyboards, Wireframes, and Mockups

North Carolina Flood Resiliency Blueprint

Prepared for the North Carolina Department of Environmental Quality by AECOM, ESP Associates, and Insight

June 2024

Table of Contents

De	finitio	ons		. iii			
Со	mmo	n Acrony	/ms	. iv			
1	Intro	duction		1			
	1.1	Storybo	ards	1			
		1.1.1	Wireframes	1			
		1.1.2	Mockups	2			
2	Appl	ication N	Modules and User Access	3			
	2.1	Applicat	ion Modules	3			
		2.1.1	Introductory Module	3			
		2.1.2	Flood Risk Management Module	3			
		2.1.3	Resiliency Action Evaluation Module	3			
		2.1.4	Action Management Module	3			
		2.1.5	Data Repository	3			
	2.2	Applicat	ion Module Access by Role	4			
3	Floo	d Resilie	ncy Blueprint Storyboards	6			
	3.1	3.1 Introductory Module					
		3.1.1	Credentialed User Login and Home Page	8			
		3.1.2	Public Login and Home Page	.11			
		3.1.3	Community Flood Risk	.14			
		3.1.4	Community Profile	.18			
	3.2	Flood Ri	sk Management Module	.22			
		3.2.1	Create Draft Action Profile	.23			
		3.2.2	Identify Flood Risk Areas	.26			
		3.2.3	View Impacts	.30			
		3.2.4	Add Existing Resiliency Actions	.33			
		3.2.5	Define New Resiliency Actions	.35			
		3.2.6	Save Action	.38			
		3.2.7	New Nature-Based Resiliency Action	.40			
		3.2.8	Action Profile Summary	.42			

	3.2.9	View All Action Profiles	46		
3.3	Resilien	cy Action Evaluation Module	48		
	3.3.1	Actions Summary and Ranking	49		
3.4	Action M	Ianagement Module	53		
	3.4.1	Actions Overview	54		
	3.4.2	Actions Details Dashboard	56		
3.5	Data Repository				
	3.5.1	Spatial Data	62		
	3.5.2	Technical Documents	64		

Definitions

A comprehensive list of definitions applicable to multiple Flood Resiliency Blueprint documents is provided in a separate document.

• https://ncfloodblueprint.com/documents/DraftBlueprint_DefinitionsGlossary.pdf (PDF)

Management

Common Acronyms

GeoJSON Geographic JavaScript Object **NCID** North Carolina Identity

Notation

GIS Geographic Information Systems

NCDEQ North Carolina Department of

Environmental Quality

1 Introduction

This section outlines recommendations for the following subtasks:

- <u>Subtask 4.2</u> **Storyboards** identifying specific functions users will want to perform in online tools and a description of how the user interfaces with the tool.
- <u>Subtask 4.3</u> **Wireframes and mockups** depicting the look and feel of an online interactive decision support tool, including integration if multiple tools are needed.

The Flood Resiliency Blueprint Tool will be developed to include a wide variety of functionality for several user roles within state and local government, as well as the general public. The Blueprint Tool application will consist of several modules to meet those needs. This document presents a series of storyboards to show how users will interact with the application modules, along with wireframes and mockups to represent the application visually.

The requirements for developing the Blueprint Tool are documented in the *North Carolina Flood Resiliency Blueprint Tool Requirements* (Subtask 4.1). The requirements from Subtask 4.1 were applied to the storyboards, wireframes, and mockups throughout this document.

• https://ncfloodblueprint.com/documents/Subtask4 1 BlueprintToolRequirements.pdf

Also mentioned throughout this document, Phase II of the NC Flood Resiliency Blueprint Project will focus more on the exact look, user experience, and functionality of the Blueprint Tool. It will be built from the research, gap analysis, and recommendations that are products of Phase I of the project. Using the Agile process (a dynamic approach to software development), the Blueprint Team and a select user group will be extensively engaged in creating and refining the Blueprint Tool. The storyboards shown below should <u>not</u> be considered final.

1.1 Storyboards

Website storyboards serve as visual renderings, outlining the structure and flow of a website. They depict the arrangement of elements on each page, illustrating the user journey and interactions. Storyboards help designers and developers conceptualize and communicate the user experience, ensuring a cohesive process and intuitive design before the software development phase begins.

Each page in the storyboard includes either a wireframe or a mockup of an application screen, along with a table listing the user roles that would interact with that screen and how that user would interact. Each storyboard page is presented in the order in which users interact within that application module.

1.1.1 Wireframes

A wireframe is a skeletal, low-fidelity representation of a web application's layout and structure. It outlines the basic design elements and their placement in black and white without detailing visual *All content and functionality will be subject to further refinement as part of Phase II

aesthetics. Wireframes are a crucial step in web development, providing a clear content, navigation, and functionality framework. Designers use wireframes to map out the user interface, ensuring a logical and user-friendly arrangement of elements before moving on to more detailed design phases.

1.1.2 Mockups

A mockup is a high-fidelity, static representation of a web application's design that includes visual details like colors, typography, and images. Unlike wireframes, mockups provide a more realistic preview of the final website's appearance (i.e., high-fidelity). Designers use mockups to showcase the user interface's aesthetic aspects and finer details. These visual prototypes help stakeholders and clients visualize the final product, facilitating feedback and refinement during the first phase of product development.

2 Application Modules and User Access

2.1 Application Modules

The Blueprint Tool will contain several modules, including help and video tutorials throughout the application. The Blueprint Tool will consist of the following Modules:

2.1.1 Introductory Module

The introductory module includes the functionality a user would need to enter the web application and get started, such as login, the home page, and profiles. The user would enter the information on the location and action profiles. Information would be offered in the system based on role and user capabilities. Additional training would be provided to the more advanced users.

2.1.2 Flood Risk Management Module

The Flood Risk Management Module allows local governments, the North Carolina Department of Environmental Quality (NCDEQ), and their designees (such as Delegated Authorities or contractors) to, first and foremost, provide the ability to review flood risk areas to ascertain the potential for flood losses, especially for future conditions modeling. The Flood Risk Management Module also allows the user to review existing resiliency actions in effect or planned, to create and submit new resiliency actions, and to visualize and compare all resiliency actions being considered.

2.1.3 Resiliency Action Evaluation Module

The Resiliency Action Evaluation Module allows NCDEQ officials and users with the capability to add actions, including local governments, to visualize and compare alternative resiliency actions and then select actions to include in the River Basin Action Strategy (from now on called Basin Action Strategy).

2.1.4 Action Management Module

The Action Management Dashboard is a query-based status, project management, and performance tracking interface for all actions to be viewed by all agencies and the public.

2.1.5 Data Repository

The Data Repository Module is the central hub for searching, accessing, and downloading publicly available data from the Blueprint Tool. This hub will contain modeling outputs, spatial data resources, technical reports, and other relevant data to the Blueprint Tool. It will allow administrators to upload and modify existing data in the repository and add and edit metadata for more efficient searching.

2.2 Application Module Access by Role

Role		(1) Introductory Module	(2) Flood Risk Management Module	(3) Resiliency Action Evaluation Module	(4) Action Management Module	(5) Data Repository
NCDEQ Blu	eprint Team					
	NCDEQ Application Administrator	INPUT & EDIT	INPUT & EDIT	INPUT & EDIT	INPUT & EDIT	UPLOAD
Ω	NCDEQ Blueprint Program Supervisor	INPUT & EDIT	INPUT & EDIT	INPUT & EDIT	INPUT & EDIT	UPLOAD
	NCDEQ Blueprint Program Analyst	INPUT & EDIT	INPUT & EDIT	INPUT & EDIT	INPUT & EDIT	UPLOAD
Local Gove	Local Government		(2) Flood Risk Management Module	(3) Resiliency Action Evaluation Module	(4) Action Management Module	(5) Data Repository
	Local Government Administrator	INPUT & EDIT	INPUT & EDIT	NONE	INPUT & EDIT	DOWNLOAD
	Local Action Submitter	VIEW	INPUT & EDIT	NONE	INPUT & EDIT	DOWNLOAD
Delegated	Authority*	(1) Introductory Module	(2) Flood Risk Management Module	(3) Resiliency Action Evaluation Module	(4) Action Management Module	(5) Data Repository
	Delegated Authority Administrator	INPUT & EDIT	INPUT & EDIT	NONE	INPUT & EDIT	DOWNLOAD
	Delegated Authority Submitter	VIEW	INPUT & EDIT	NONE	INPUT & EDIT	DOWNLOAD

*All content and functionality will be subject to further refinement as part of Phase II

Role		(1) Introductory Module	(2) Flood Risk Management Module	(3) Resiliency Action Evaluation Module	(4) Action Management Module	(5) Data Repository
Other Role	es	(1) Introductory Module	(2) Flood Risk Management Module	(3) Resiliency Action Evaluation Module	(4) Action Management Module	(5) Data Repository
	General Public (Community Stakeholder, etc.)	LIMITED VIEW	LIMITED VIEW	NONE	LIMITED VIEW	DOWNLOAD
	Contractor/ Subconsultant**	BASED ON DELEGATED ROLE*	BASED ON DELEGATED ROLE*	BASED ON DELEGATED ROLE*	BASED ON DELEGATED ROLE*	BASED ON DELEGATED ROLE*

^{*}A **Delegated Authority** can be another state agency, regional group (Council of Government), etc., delegated to input actions on behalf of NCDEQ, a community, or a group of communities.

Application module access levels are defined as follows:

INPUT & EDIT	This user is able to input and edit information in this module.
VIEW	This user is able to view the information in this module but cannot input or edit the information.
LIMITEDVIEW	This user is able to view information in this module, but there may be limits to how much they can view. This user cannot input or edit information in this module.
NONE	This user has no access to this module.
UPLOAD	This user can upload and download data and documents to the Data Repository.
DOWNLOAD	This user can only download from the Data Repository but cannot upload.

*All content and functionality will be subject to further refinement as part of Phase II

^{**}A **Contractor or Subconsultant** is delegated by NCDEQ or a local or state government to represent a role for that agency. This person's access will be based on which role they are delegated.

3 Flood Resiliency Blueprint Storyboards

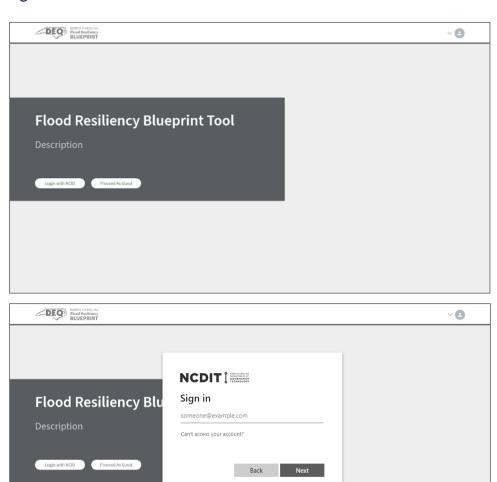
The Blueprint Tool Storyboards are presented on the following pages and further broken down by application modules as follows:

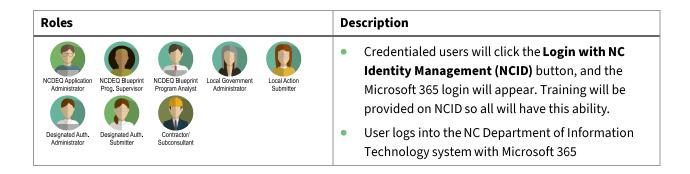
- Introductory Module
- Flood Risk Management Module
- Resiliency Action Evaluation Module
- Action Management Module
- Data Repository

3.1 Introductory Module

3.1.1 Credentialed User Login and Home Page

3.1.1.1 Login Screen - Credentialed Users



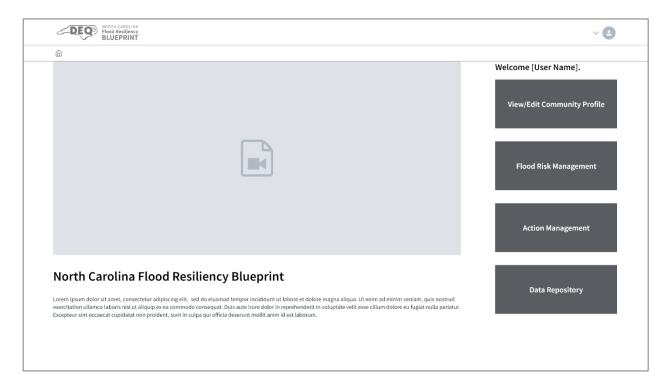


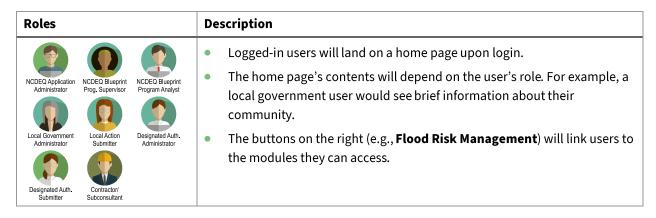
Q Sign-in options

INTRODUCTORY MODULE

*All content and functionality will be subject to further refinement as part of Phase II

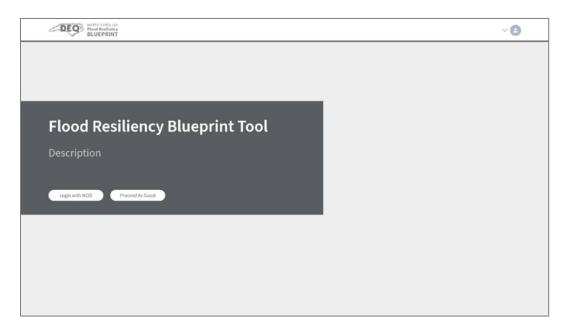
3.1.1.2 Home Page – Credentialed Users





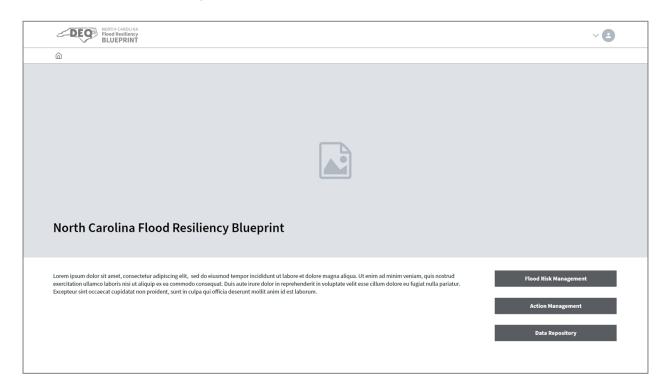
3.1.2 Public Login and Home Page

3.1.2.1 Login Screen – General Public



Roles	Description		
General Public	 The General Public will click the Proceed as Guest button. User will land on the Public Homepage on the Blueprint Tool. 		

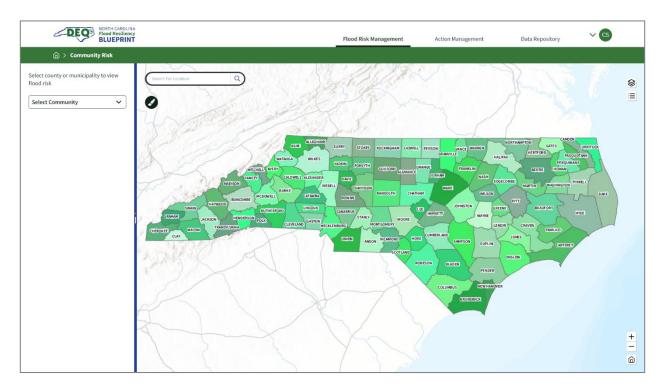
3.1.2.2 Public Home Page

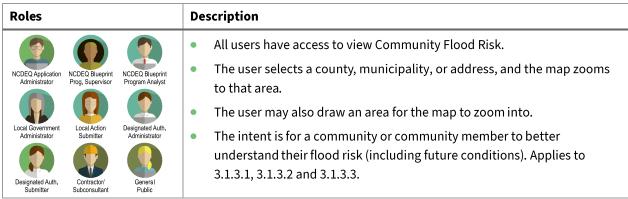


Roles	Description
General	 A Link to the Blueprint Tool will be on the NC Flood Resiliency Blueprint website.
Public	 The General Public will land on a public home page upon login.
	 The home page will contain a brief description of the NC Flood Resiliency Blueprint Program, and the user can link back to the Blueprint website (in a new window).
	• The buttons on the right (e.g., Flood Risk Management) will link users to the modules they can access.

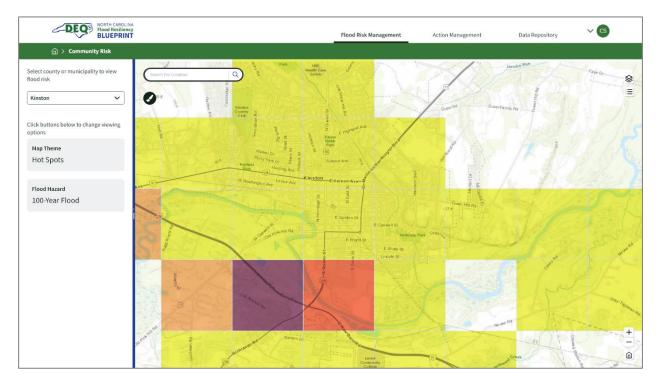
3.1.3 Community Flood Risk

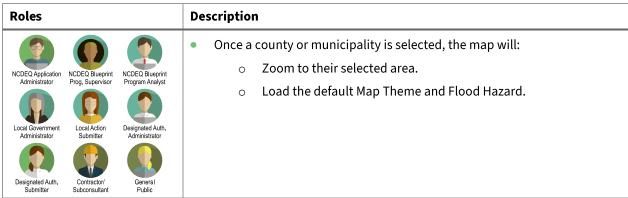
3.1.3.1 Community Flood Risk



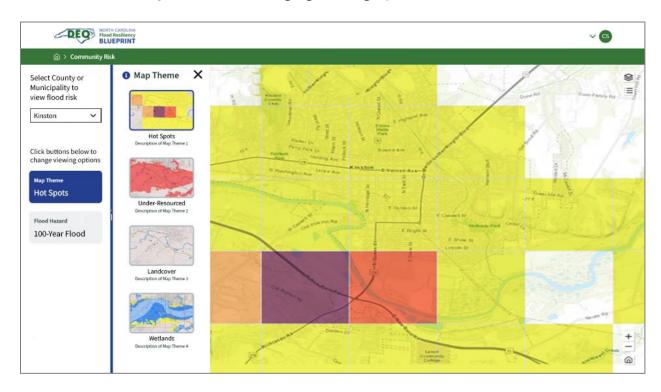


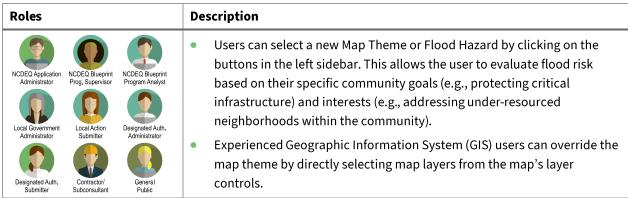
3.1.3.2 Community Flood Risk: Community Selected





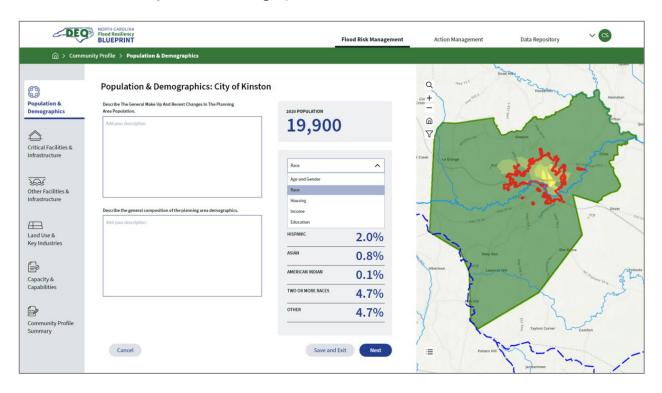
3.1.3.3 Community Flood Risk: Changing Viewing Options





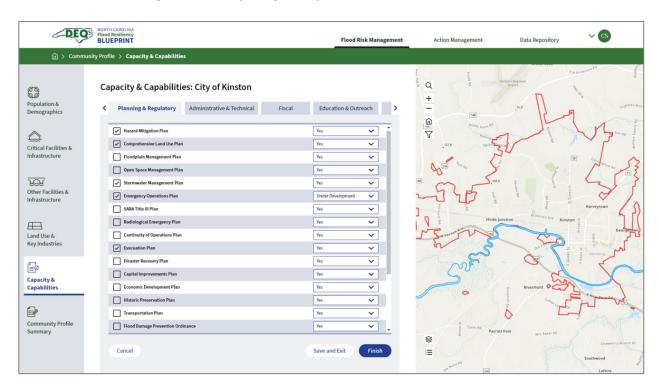
3.1.4 Community Profile

3.1.4.1 Community Profile: Demographics



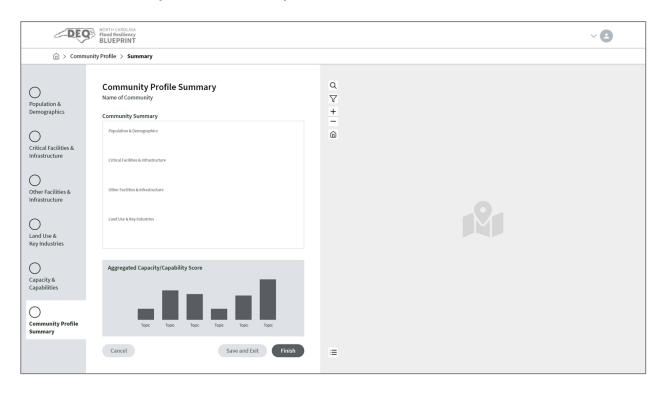
Roles	Description		
Local Government Administrator	 Community Profile includes sections on demographics, housing, commerce, facilities and infrastructure, economics, land use and key initiatives, and adaptive capacity and capabilities. 		
NCDEQ Blueprint NCDEQ Application Prog. Supervisor Administrator	 Community demographics will auto-populate from existing data. 		
	 Local and Designated Authority Administrators and Submitters will review, edit, and add key information about their community. 		
	 These roles will have view-only access to other Community Profiles. 		
NCDEQ Blueprint Contractor/ General Program Analyst Subconsultant Public	All other roles listed will have view-only access to Community Profiles.		

3.1.4.2 Community Profile: Capacity & Capabilities



Roles				De	scription
Local Government Administrator	Local Action Submitter	Designated Auth. Administrator	Designated Auth. Submitter	•	Local and Designated Authority Administrators and Submitters will enter Capacity and Capabilities details into their agency's Community Profile. This will be used to help identify under-resourced communities
NCDEQ Blueprint Prog. Supervisor	NCDEQ Application Administrator				and other purposes.
NCDEQ Blueprint Program Analyst	Contractor/ Subconsultant	General Public		•	All other roles will have view-only access to Community Capacity and Capabilities.

3.1.4.3 Community Profile: Summary



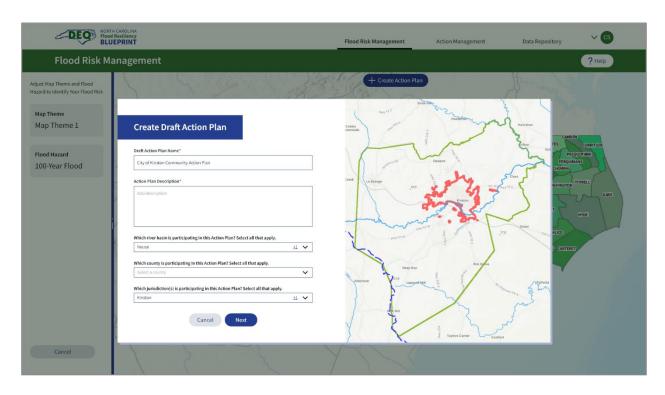
Roles		Description
	Lated Auth. Designated Auth. Submitter	 Local and Designated Authority Administrators and Submitters, as well as NCDEQ Program Managers, will be able to: View a Summary of their agency's Community Profile. Save their completed Community Profile.
	eneral ublic	 All other roles will have view-only access to the Community Profile Summary.

3.2 Flood Risk Management Module

The Flood Risk Management Module provides the ability for Local and Designated Authority Submitters and their delegates (such as contractors or Council of Government) to, first and foremost, provide the ability to review flood risk areas to ascertain the potential for flood losses, especially for future conditions modeling. The Flood Risk Management Module also allows users to examine existing or planned resiliency actions, create and submit new ones, and evaluate and compare all resiliency actions under consideration.

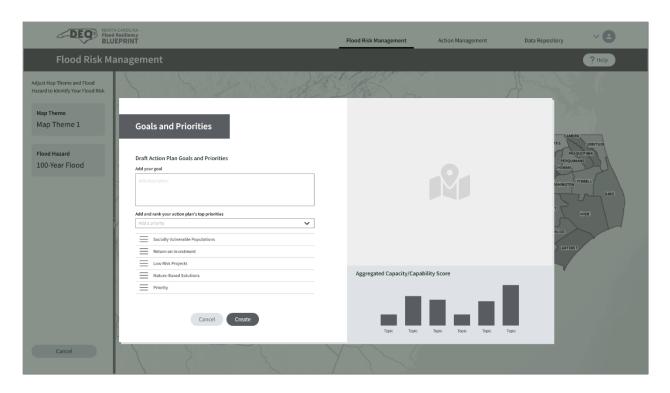
3.2.1 Create Draft Action Profile

3.2.1.1 Create Draft Action Profile: Plan Details



Roles	Description		
Local Action	 Local and Delegated Authority Action Submitters can enter the plan		
Submitter Designated Auth.	details for a new Draft Action Profile and click the Next button to finish		
Submitter	creating the new plan.		

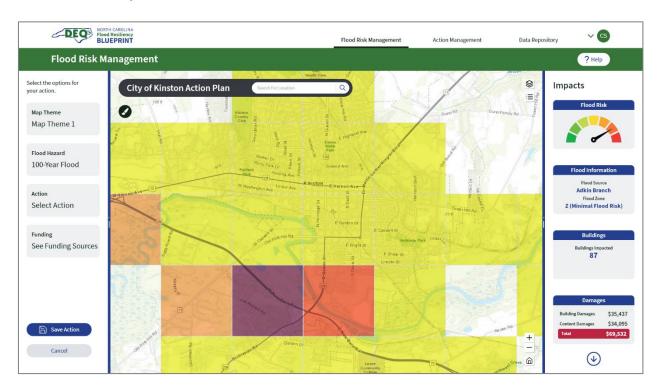
3.2.1.2 Create Draft Action Profile: Goals and Priorities



Roles		Description		
Loal Action Submitter	State Action Submitter	Local and Delegated Authority Action Submitters enter details about the Goals and Priorities for the new Draft Action Profile.		
		• Once complete, submitters click the Create button to save the new Plan.		
		Once the Plan is created, submitters can add actions to the Plan.		
		The methodology for calculating the Capacity/Capability Score will be developed during Phase II.		

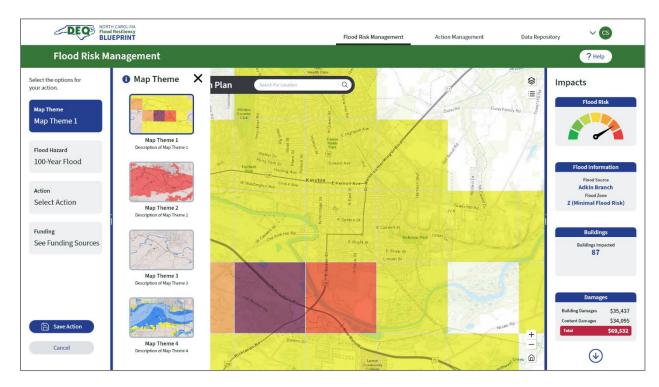
3.2.2 Identify Flood Risk Areas

3.2.2.1 Identify Flood Risk Areas



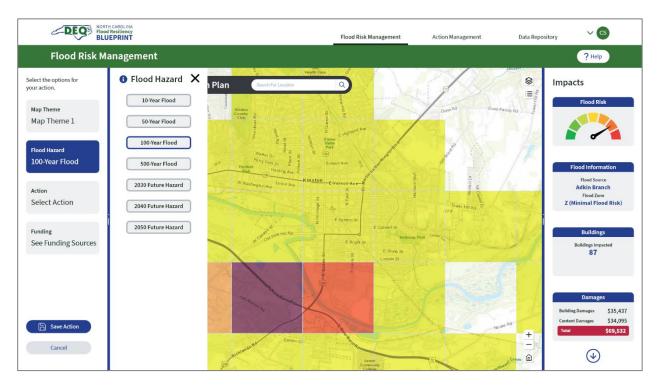
Roles		Description
Local Action Submitter	esignated Auth. Submitter	 Local and Designated Authority Submitters will identify flood risk areas by viewing various Map Themes, Flood Hazards, and Impacts. Impacts shown on the right sidebar are based on the map extent or a user selection. This mockup above shows one example of how a user would change the Map Theme to view layers relevant to what that user hopes to accomplish. Examples of Map Themes are Structural Damages, Land Cover, Social Vulnerability, Infrastructure Affected, and others.
Administrator Pr	CDEQ Blueprint rog. Supervisor Program Analys esignated Auth. Administrator	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.

3.2.2.2 Identify Flood Risk Areas: Select Map Theme



Roles	Description
Local Action Designated Auth. Submitter	 Local and Designated Authority Submitters click the Map Themes button to expand the Map Themes panel, where they can view and select other themes.
	Once a new map theme is selected, the user closes the panel.
	 The mockup above shows one example of how a user would change the Map Theme to view layers relevant to what that user hopes to accomplish. Examples of Map Themes are Structural Damages, Land Cover, Social Vulnerability, Infrastructure Affected, and others.
	Experienced GIS users can override the map theme by directly selecting map layers from the map's layer controls.
NCDEQ Application Administrator Prog. Supervisor Program Analyst	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.
Local Government Designated Auth. Administrator Administrator	

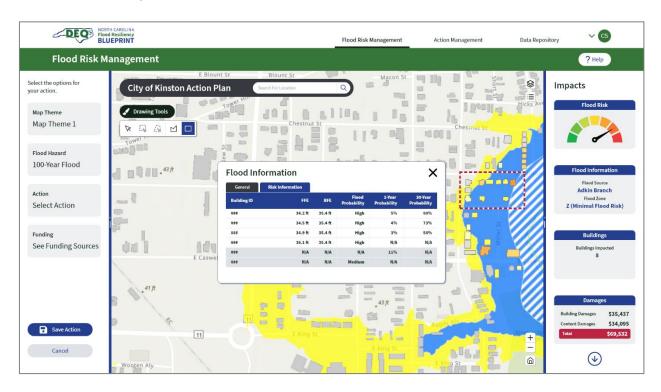
3.2.2.3 Identify Flood Risk Areas: Select Flood Hazard



Roles	Description
Local Action Submitter Designated Auth. Submitter	 Local and Designated Authority Submitters click on the Flood Hazard button to expand the Flood Hazard panel, where they can view and select other flood hazards.
	Once a new Flood Hazard is selected, the user closes the panel.
	This mockup above shows one example of a user changing the selected Flood Hazard. Hazards include current return periods, future conditions, and specific storm scenarios.
	 During Phase II, requirements will be refined to include multiple hazard options. After the pluvial system is mapped, the user will have a similar experience in identifying the risks and impacts of pluvial flooding.
NCDEQ Application Administrator Prog. Supervisor Program Analyst	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.
Local Government Administrator Designated Auth. Administrator	

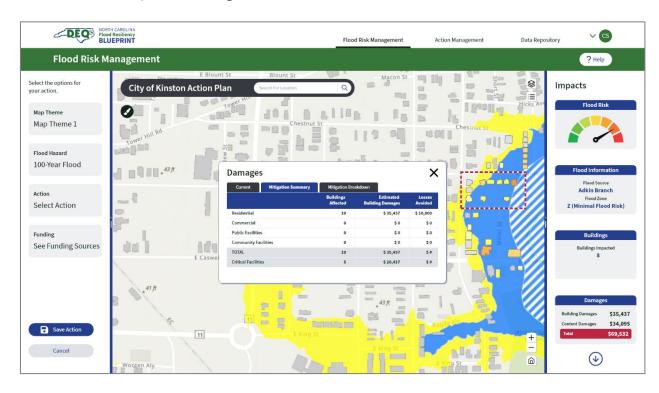
3.2.3 View Impacts

3.2.3.1 View Impacts: Flood Information



Roles	Description
Local Action Submitter Designated Auth. Submitter	 Impacts displayed in the dashboard are based on user selections. Each pane can be clicked to show detailed impact and analysis in a modal window. Data is separated into fixed information (e.g., Building Information) and varying Impacts information.
NCDEQ Application Administrator NCDEQ Blueprint Prog. Supervisor Program Analyst Designated Auth. Administrator	 Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.

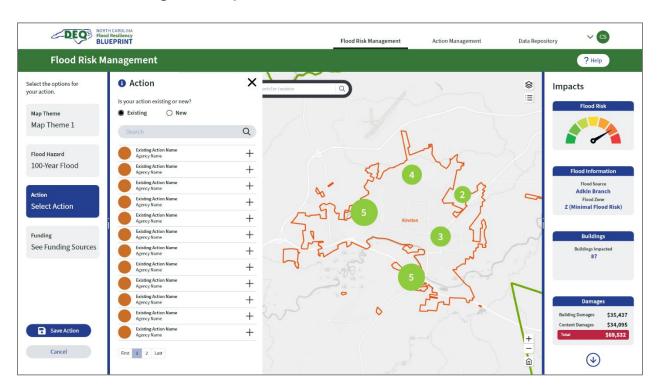
3.2.3.2 View Impacts: Damages



Roles	Description	
Local Action Submitter Designated Auth. Submitter	 Local and Designated Authority Submitters can use the Mitigation button to select from a flood risk reduction resiliency option list. The Impacts Profile has been updated so submitters can assess and select the most effective mitigation strategy. 	
NCDEQ Application Administrator NCDEQ Blueprint Prog. Supervisor Program Analyst Local Government Administrator Designated Auth. Administrator	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.	

3.2.4 Add Existing Resiliency Actions

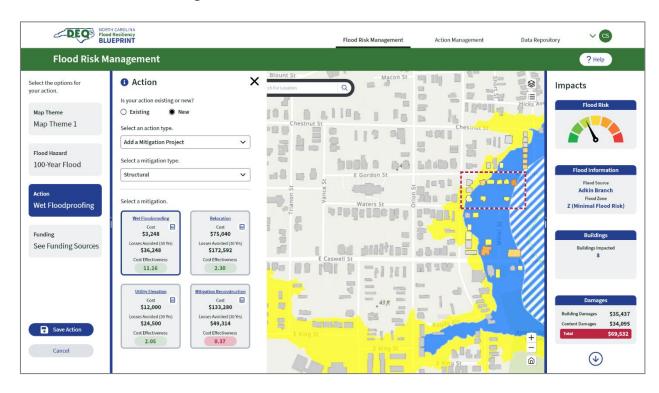
3.2.4.1 Add Existing Resiliency Actions



Roles			Description
Local Action Submitter	Designated Auth. Submitter		 The user can click an Existing Action, and the Action details modal opens. Users can add existing actions to their plan.
NCDEQ Application Administrator		CDEQ Blueprint trogram Analyst	 Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.
Local Government Administrator	Designated Auth. Administrator		

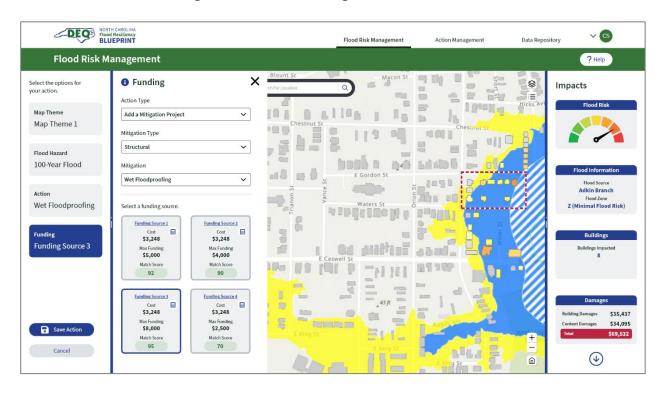
3.2.5 Define New Resiliency Actions

3.2.5.1 Define New Mitigation Action: Structural



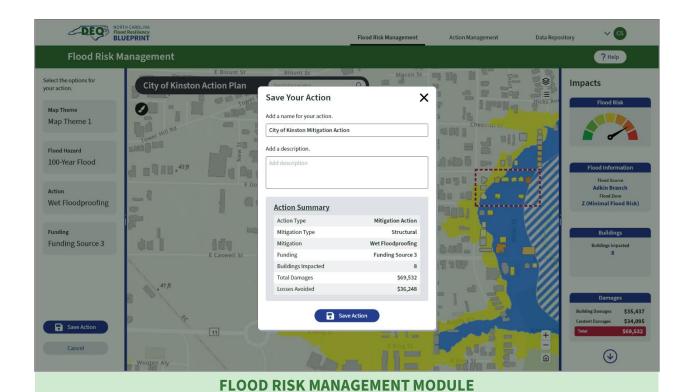
Roles	Description	
Local Action Submitter Designated Auth, Submitter	Community and Delegated Authority Submitters can use the Mitigation button to select from a flood risk reduction resiliency option list. The Impacts Profile has been updated so submitters can assess and select the most effective mitigation strategy.	
NCDEQ Application Administrator NCDEQ Blueprint Program Analyst Program Analyst Designated Auth. Administrator	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.	

3.2.5.2 Define New Mitigation Action: Funding Sources



Roles	Description	
Local Action Designated Auth,	These users review the mitigation action considering the potential funding source that has been identified.	
Submitter Submitter	The user can view further details on each potential funding source and then select the preferred funding option to pursue.	
NCDEQ Application Administrator Prog. Supervisor Program Analyst	 Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above. 	
Local Government Administrator Designated Auth. Administrator		

3.2.6 Save Action

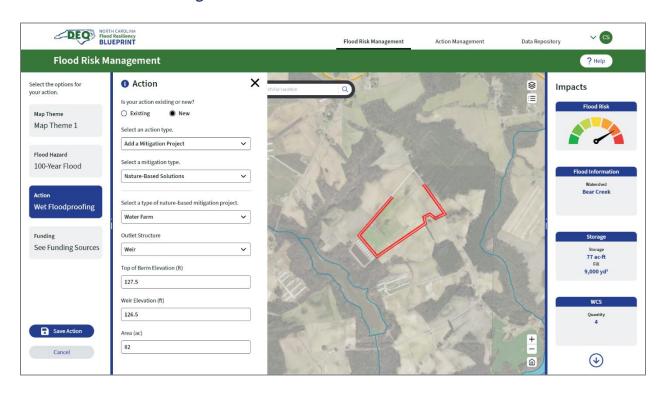


3.2.6.1 Save Mitigation Action

Roles			Des	scription
Local Action Submitter	Designated Auth. Submitter		•	Local and Designated Authority Submitters save a newly created action to their plan.
NCDEQ Application Administrator	NCDEQ Blueprint Prog. Supervisor	NCDEQ Blueprint Program Analyst	•	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.
Local Government Administrator	Designated Auth. Administrator			

3.2.7 New Nature-Based Resiliency Action

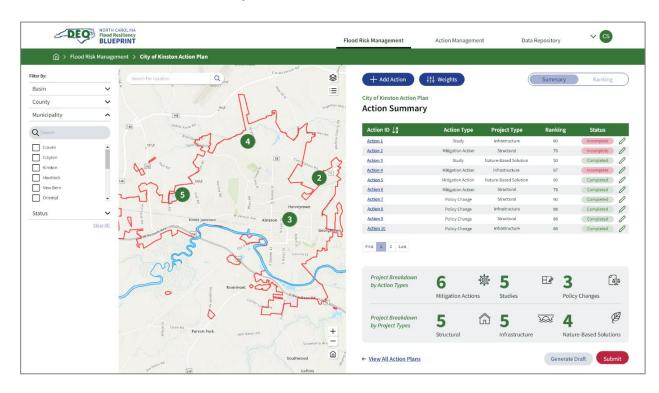
3.2.7.1 Define New Mitigation Actions: Nature-Based Solutions



Roles	Description
Local Action Designated Auth.	Local and Designated Authority Submitters can add nature-based solutions to their Action Profile.
Submitter Submitter	 Methodologies for adding nature-based solutions will be developed in Phase II of the Flood Resiliency Blueprint.
NCDEQ Application Administrator Prog. Supervisor Program Analyst	 Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.
Local Government Administrator Designated Auth. Administrator	

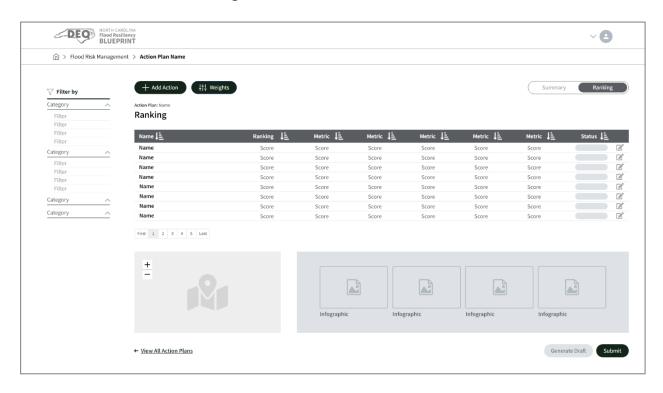
3.2.8 Action Profile Summary

3.2.8.1 Action Profile Summary



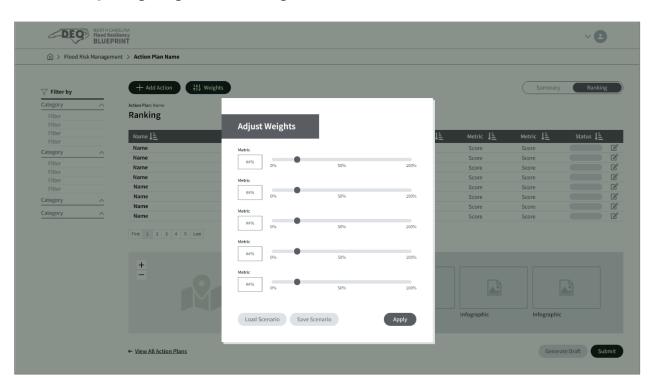
Roles	Description
Local Action Submitter Designated Auth. Submitter	 Local and Designated Authority Submitters view a summary of actions in their plan. Local and Designated Authority Submitters click the Add Action button to add an existing action or create a new action.
NCDEQ Application Administrator NCDEQ Blueprint Prog. Supervisor Program Analyst Local Government Administrator Designated Auth. Administrator	Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above.

3.2.8.2 Action Profile Ranking



Roles			Description
Local Action	Designated Auth.		 Local and Designated Authority Submitters view a detailed Ranking list
Submitter	Submitter		showing the ranking scores for each metric of each action in their plan.
NCDEQ Application	NCDEQ Blueprint	NCDEQ Blueprint	 Although these users are not responsible for creating and editing action
Administrator	Prog. Supervisor	Program Analyst	profiles, they have edit access to the functionality listed above.
Local Government Administrator	Designated Auth. Administrator	·	

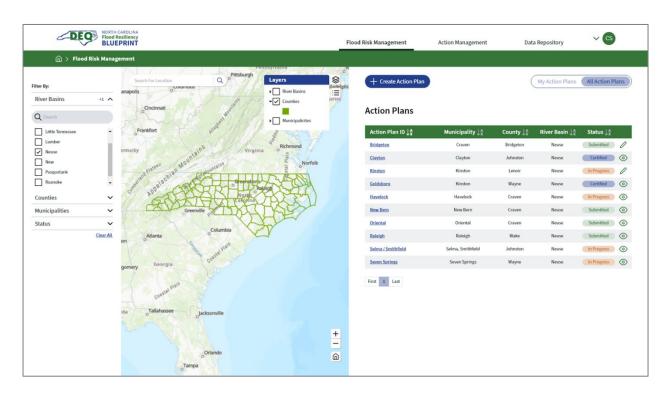
3.2.8.3 Adjusting Weights for Ranking



Roles	Description	
Local Action Submitter Designated Auth. Submitter	Local and Designated Authority Action Submitters can adjust weights that will affect the score based on their goals and priorities.	
Submitter Submitter	 The Local and Designated Authority Action Submitter can save scenarios that can potentially be used to implement local actions using local funding (i.e., creating a community-funded capital improvement program). 	
	 Weighting changes will be available to users within the overall Flood Resiliency Blueprint goals and priorities. 	
NCDEQ Application Administrator Prog. Supervisor Program Analyst	 Although these users are not responsible for creating and editing action profiles, they have edit access to the functionality listed above. 	
Local Government Administrator Designated Auth. Administrator		

3.2.9 View All Action Profiles

3.2.9.1 View All Action Profiles



Roles	Description
NCDEQ Application Administrator NCDEQ Blueprint Prog. Supervisor Program Analyst Administrator NCDEQ Blueprint Program Analyst Administrator Local Government Administrator Submitter Contractor/ Subconsultant	 An Action Profile can be a single resiliency action or a combination of actions. All credentialed users will see a list of all Action Profiles. All credentialed users can view Action Profiles in the system.
Local Action Submitter Designated Auth. Submitter	 Local and Designated Authority Action Submitters can create a new Action Profile or edit their existing Action Profile.
NCDEQ Application Administrator Prog. Supervisor Program Analyst Administrator Designated Auth. Administrator	Although these users are not responsible for creating and editing action profiles, they have edit access.
General Public	 The General Public will see a list of submitted Action Profiles (including actions contained therein) and can view those plans only.

3.3 Resiliency Action Evaluation Module

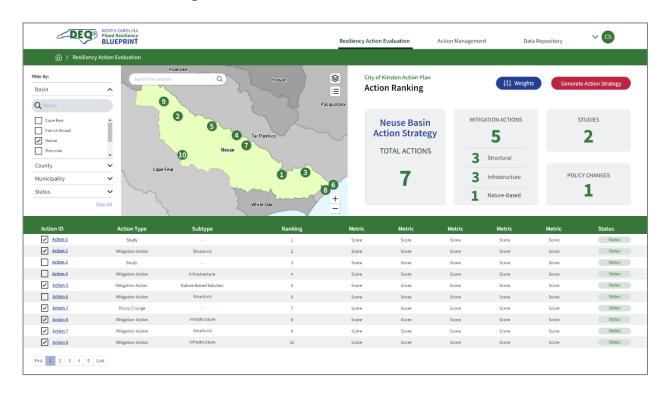
The Resiliency Action Evaluation Module allows NCDEQ officials and members of selected representative organizations to visualize and compare alternative resiliency actions and then select actions to include in the Basin Action Strategy.

RESILIENCY ACTION EVALUATION MODULE

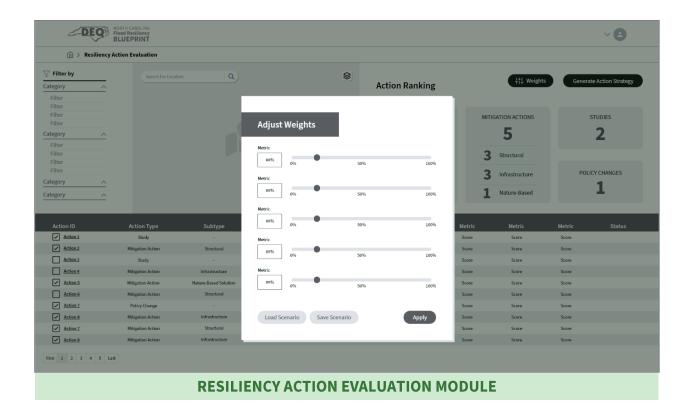
3.3.1 Actions Summary and Ranking

RESILIENCY ACTION EVALUATION MODULE

3.3.1.1 Actions Ranking



Roles	Description
NCDEQ Blueprint Prog. Supervisor NCDEQ Blueprint Program Analyst	 NCDEQ Program Analysts will: Evaluate and compare all resiliency actions through the Ranking screen. Check the checkbox on resiliency actions to approve and include them in the River Basin Action Strategy. Generate a draft report. Save for use in the Basin Action Strategy.
NCDEQ Application Administrator	The NCDEQ Application Administrator has edit access to the functionality listed above.

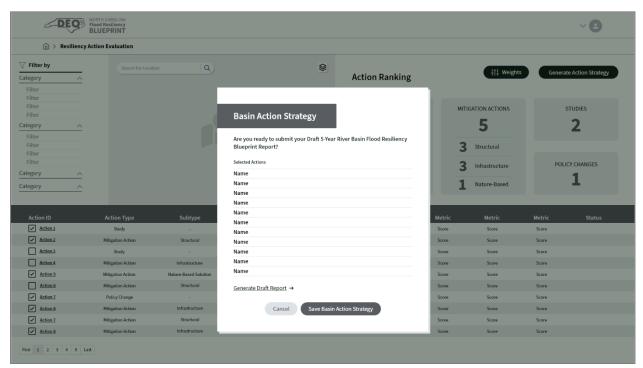


3.3.1.2 Adjust Weights for Ranking

Roles Description	
NCDEQ Blueprint Prog. Supervisor Program Analyst	 To rank the actions selected, NCDEQ can adjust weights and see the associated ranking iteratively.
NCDEQ Application Administrator	The NCDEQ Application Administrator has edit access to the functionality listed above.

RESILIENCY ACTION EVALUATION MODULE

3.3.1.3 Generate River Basin Flood Resiliency Blueprint Action Strategy Report



f

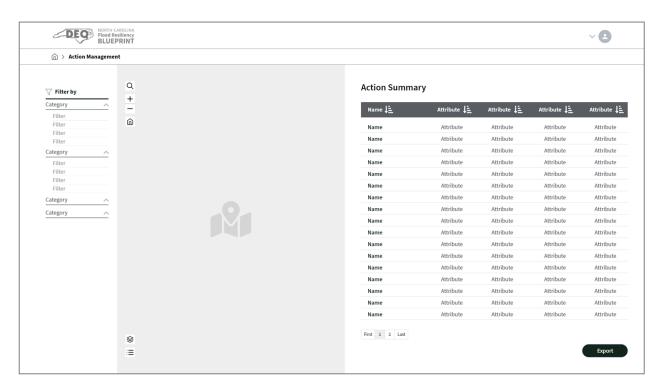
Roles	Description
NCDEQ Blueprint Prog. Supervisor Program Analyst	 NCDEQ Program Analysts can evaluate and compare all resiliency actions of a submitted blueprint through the Action Summary or Ranking screen. They can use the checkboxes to select the resiliency actions to include. Click the Generate Report button to generate a River Basin Flood Resiliency Blueprint Action Strategy.
NCDEQ Application Administrator	The NCDEQ Application Administrator has edit access to the functionality listed above.

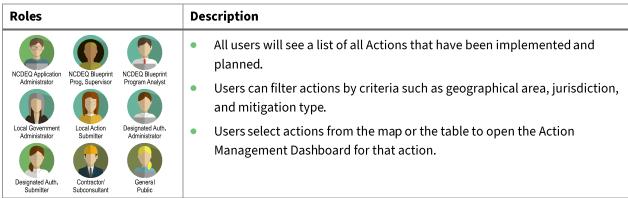
3.4 Action Management Module

The Resiliency Action Management Dashboard is a query-based status, project management, and performance interface for all actions.

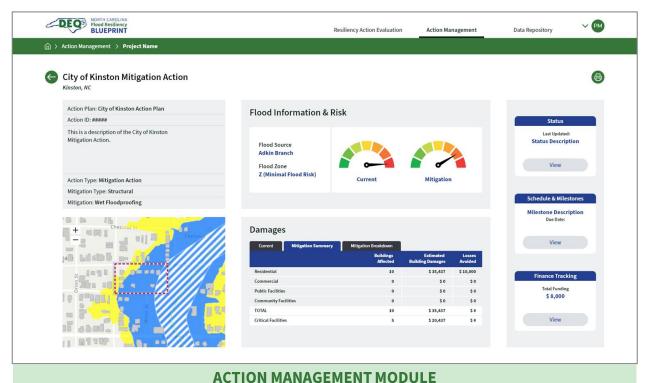
3.4.1 Actions Overview

3.4.1.1 Actions Overview

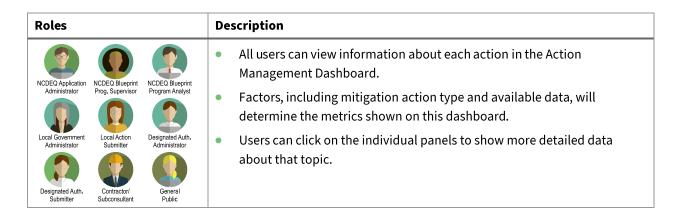




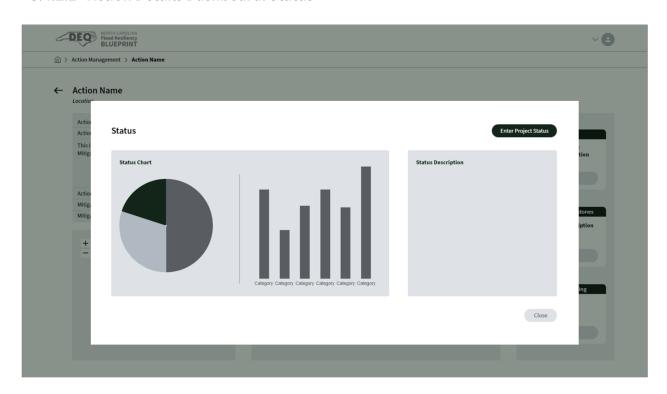
3.4.2 Actions Details Dashboard

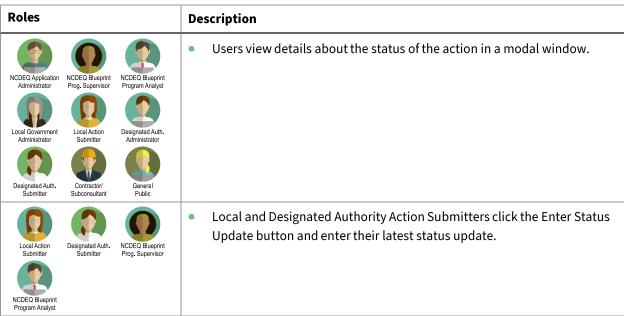


3.4.2.1 Action Management Dashboard

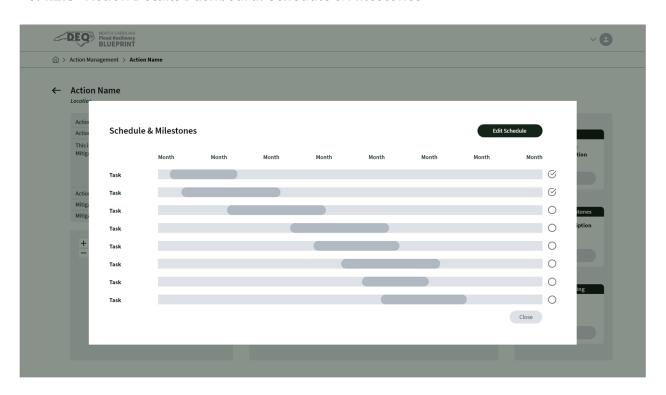


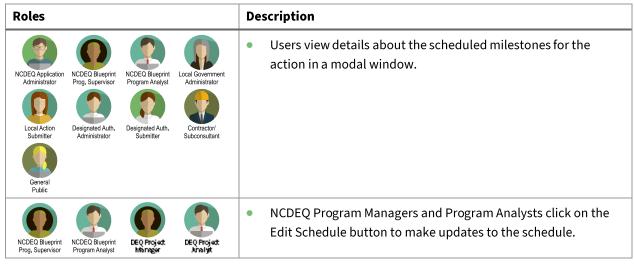
3.4.2.2 Action Details Dashboard: Status



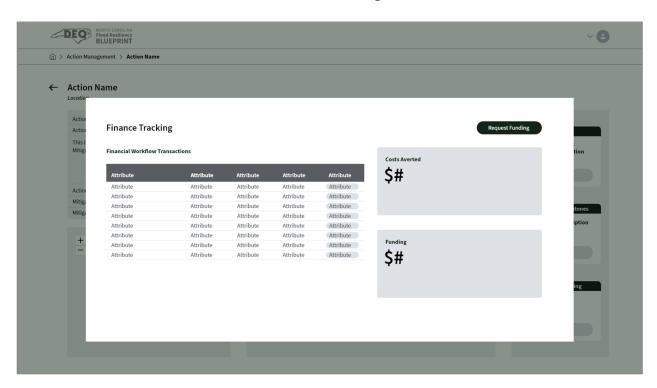


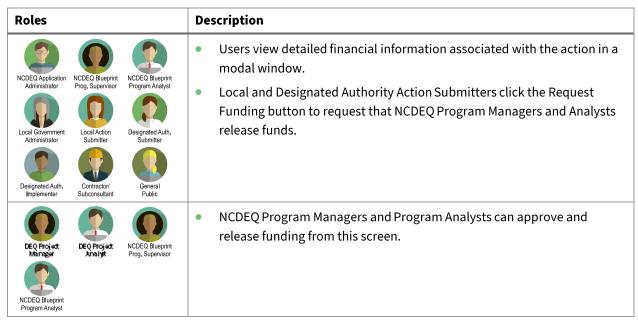
3.4.2.3 Action Details Dashboard: Schedule & Milestones





3.4.2.4 Action Details Dashboard: Finance Tracking





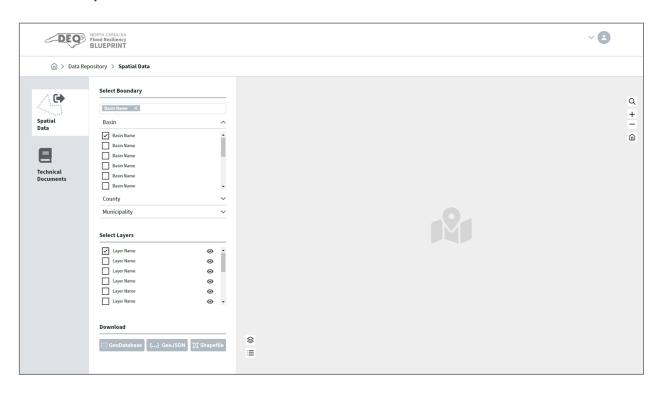
3.5 Data Repository

The Data Repository Module is the central hub for searching, accessing, and downloading publicly available data associated with the Flood Resiliency Blueprint. This hub will contain modeling outputs, spatial data resources, technical reports, and other relevant data to the Blueprint Tool. It will allow administrators to upload and modify existing data in the repository and add and edit metadata for more efficient searching.



3.5.1 Spatial Data

3.5.1.1 Spatial Data



Roles	Description
NCDEQ Application Administrator NCDEQ Blueprint Prog. Supervisor Local Government Administrator Local Action Submitter Designated Auth. Submitter Contractor/ Subconsultant NCDEQ Blueprint Program Analyst Designated Auth. Administrator General Public	 All users can search spatial data associated with the Flood Resiliency Blueprint. Users can download spatial data in various formats, such as Geodatabase, Geographic JavaScript Object Notation (GeoJSON), or shapefiles.
NCDEG Application Administrator	 NCDEQ Application Administrator is responsible for maintaining all spatial data in the Data Repository, including adding, deleting, and updating.

3.5.2 Technical Documents

3.5.2.1 Technical Documents

