



RI-CHAMP IACT Data Collection and Editing

Field Operations Guide

As of 11/8/2023

Introduction

The RI-CHAMP system is a web-based storm impact hazard prediction system. The system integrates qualitative data into a real-time hazard and impact prediction system for hurricanes and nor'easters. The collected data is referred to as "Hazard Consequence Thresholds."

The Infrastructure Assets Consequence Thresholds (IACT) database is a secure ArcEnterprise database for storing and managing consequence threshold data collected through the web-based survey tool.

This Field Operations Guide (FOG) describes hazard consequence thresholds, how to access and use the Survey123 data collection tool, and how to edit existing data. In addition to this FOG, please also see [these training videos](#).

Contact Information

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Consequence Thresholds

The Infrastructure Assets Consequence Thresholds (IACT) database contains Hazard Consequence Threshold points collected from critical infrastructure around Rhode Island. The components of a consequence threshold are defined below.



Components of a Hazard Consequence Threshold

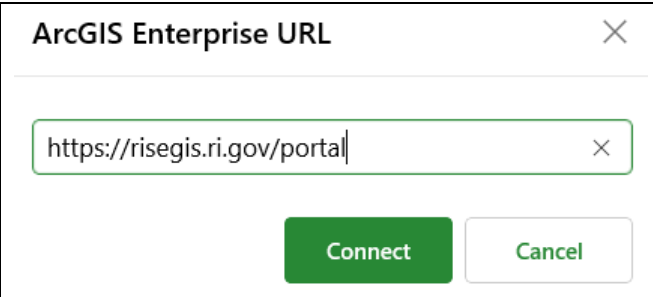
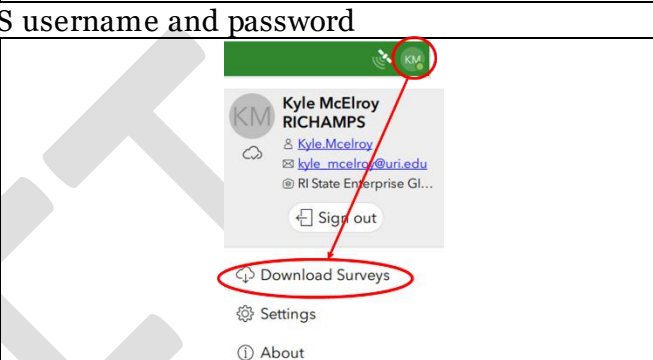
<u>Asset of concern</u>	An asset that is directly impacted by a storm hazard (waves, wind, flooding/surge).
<u>The location of concern</u>	The latitude and longitude of the specified asset.
<u>Hazard</u>	The storm hazard (wind, wave, flooding/surge).
<u>Hazard threshold</u>	The magnitude of the hazard at which the functioning of the specified asset would be compromised.
<u>Consequence(s)</u>	The outcomes if the storm force exceeds the threshold at the location of the asset
<u>Recovery period</u>	The length of time needed to restore the asset of concern functionality.
Example: At 6" of storm surge flooding, a computer server room at x/y is flooded resulting in loss of a communications network statewide and access to critical classified files. Recovery expected to take weeks.	

Accessing the RI-CHAMP Survey123 Collection Tool

The survey123 collection tool is accessible via a browser link or the Survey123 Mobile Application. To access the survey, you will need a RISEGIS account. If you do not have access, please reach out to the provided contact information.

Access via the Survey123 Application (RECOMMENDED)

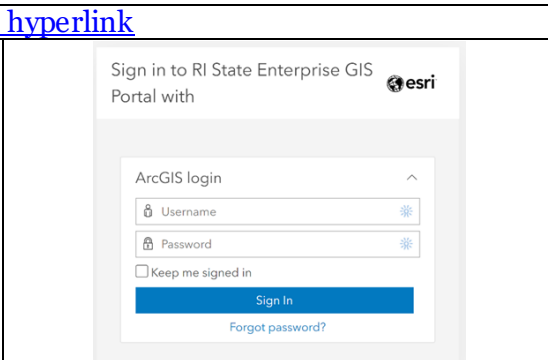
1	Download the Survey123 app from an app store.	
2	<p>After app opens, select sign in with ArcGIS Enterprise.</p> <p>Note: If you have already used this app with an ArcGIS Online Account, you will need to go to "Settings" and add a connection for RISEGIS using the url in Step 3.</p>	

3	When prompted, type in https://risegis.ri.gov/portal for the Enterprise URL.	
4	Sign in with your RISEGIS username and password	
5	Click on the icon in the upper right corner of the application, then select "Download Surveys." The app will show all the surveys available for you to download based on your RISEGIS account permissions.	

Note: It is recommended to collect data using the Survey123 application. Using the Survey123 application allows a user to set certain fields as favorite answers prior to prepopulate fields prior to data collection.

[How to set up favorite answers in the Survey123 application.](#)

Access via a web browser:

1	Open the survey via this hyperlink	
2	When prompted, sign in with your Username and password.	

Collecting New IACT Data

It is recommended to complete data collection for new points in two phases, with different sections of the survey completed during each phase.

Phase 1

Phase 1 involves initial collection of asset locations and images in the field walking around a facility

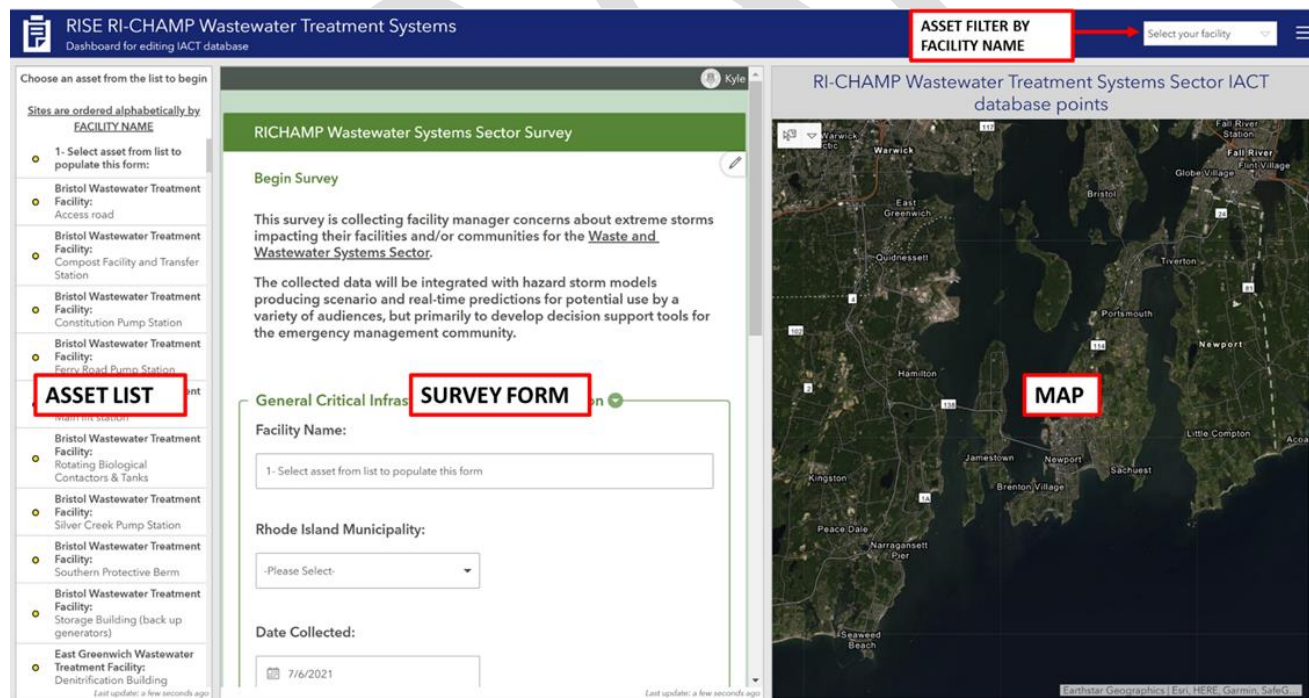
- During Phase 1, it is recommended to complete only the first two survey sections (GENERAL CRITICAL INFRASTRUCTURE FACILITY INFORMATION and FACILITY ASSET INFORMATION) to minimize use of a tablet or phone for qualitative data entry as you walk around your facility.
- Asset names, locations, and photos are recorded in the app while thresholds (i.e., flood levels above the ground that impact assets), the consequences if thresholds are exceeded, and recovery times are discussed and recorded through written notes

Phase 2

Phase 2 involves recording the consequences associated with asset thresholds at a desktop or laptop computer. The two-phase approach is recommended to minimize data entry distractions during facility walk throughs to allow facility managers to focus on consequence threshold observations and discussions.

- Each sector has its own editing dashboard (contact a RI-CHAMP administrator to receive the link to your sector's dashboard). The login information is the same as the RISEGIS username and password used to submit the initial data collected in Phase 1.

Example of an Editing Dashboard



- Through the editing dashboard, you can filter by your facility name to only show the assets for your facility.

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- To edit the assets and add information from written notes taken during Phase 1, click on the asset in the list to left. The map will zoom to the asset highlighted in the list, and the survey form will prepopulate with any data associated with that asset point. A pop up will also appear on the map displaying the facility name, asset name, and any photo associated with that asset.
- Click through the survey form and make revisions as needed. Repeat for each asset.
 - Editing Notes:
 - The location of an asset is only editable through the Survey Form
 - Points cannot be deleted using the editing dashboard. Only RI-CHAMP administrators can delete points. Please edit your point with “DELETE” in asset name and notify an administrator that your facility has points to be deleted.

Asset Name:

DELETE-Example Asset

- When you finish revising the data for an asset point, hit submit.

Editing and Managing the Existing IACT Database

The IACT database should be reviewed and edited once a year by facility managers. RI-CHAMP administrators will organize the annual review of the database and remind facility managers to review and edit their data. The process for facility managers to add new points and edit their existing data is the same as the process detailed previous section.

New points

Any new points should be input via the Survey123 collection tool. See information under [PHASE 1](#) above.

Edit existing points

New points and existing points will be edited using an editing dashboard. See information under [PHASE 2](#) above.