



NORTH CAROLINA Department of Transportation



Getting to Know **GO!NC**

Overview of Products, Administration, Tips and Tricks

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METTS Conference

What is **GO!NC**?

- Online Hub for NCDOT GIS Data and Mapping Applications
- Includes AGOL, Survey123, Collector, Dashboards, WebApps
- GIS data from all of NCDOT, and relevant data from other Organizations



-ArcGIS Online

Survey123-



-Collector

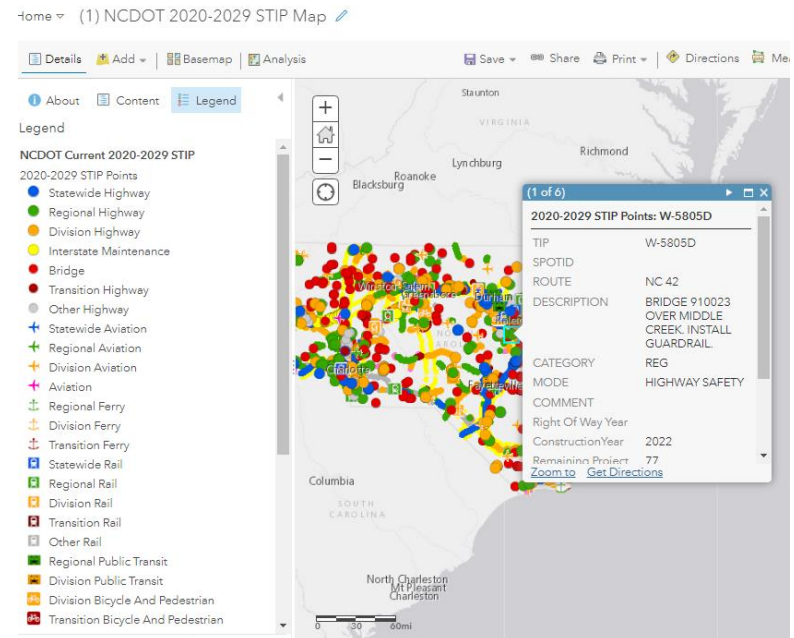
FieldMaps-



ArcGIS Online


ncdot.maps.arcgis.com

- Foundation of GO!NC
- Data storage for layers web maps, web & mobile apps
- Administered with user accounts:
 - Business Unit (Public)
 - StandardUser
 - ContractorLimited




ArcGIS Online- Service Types

Data Service




NCDOT Only


GO!NC  NCDOT.GOV

The Data Service icon features a globe on the left, a small globe in the middle, and two location pins on the right, all connected by lines. The background is a light brown map of North Carolina.

Web Map

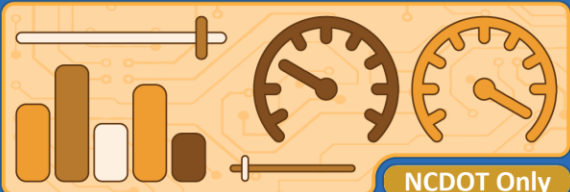


Public

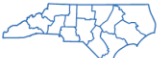
GO!NC  NCDOT.GOV

The Web Map icon shows a blue map with several location pins and a dashed line. The background is a light blue map of North Carolina.

Dashboard



NCDOT Only

GO!NC  NCDOT.GOV

The Dashboard icon features a bar chart, two gauges, and a slider. The background is a light orange map of North Carolina.

Web App

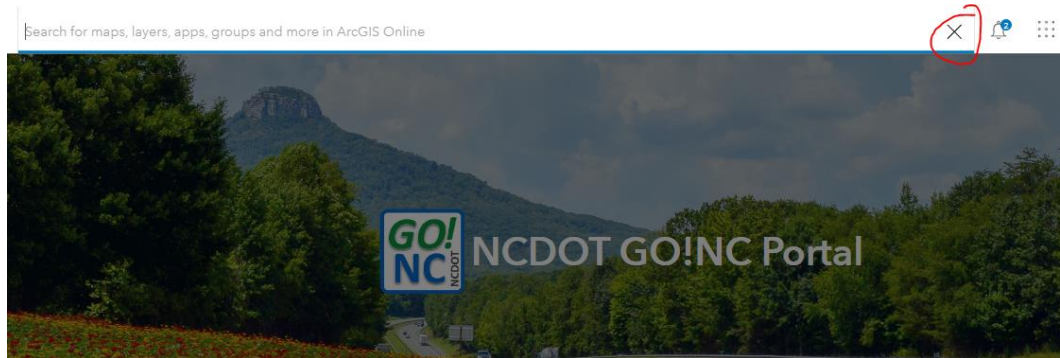


Public

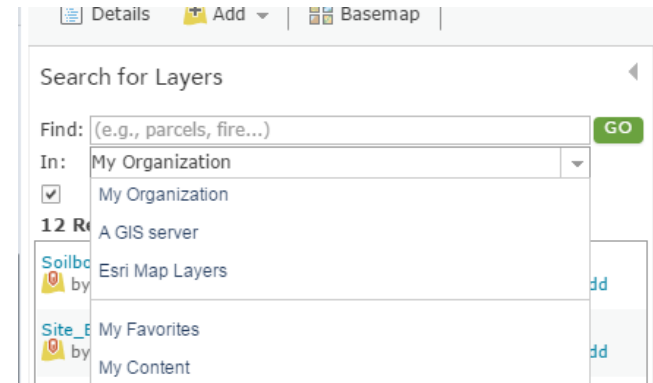
GO!NC  NCDOT.GOV

The Web App icon shows a computer monitor displaying a map with location pins and a mouse. The background is a light brown map of North Carolina.

ArcGIS Online- Searching

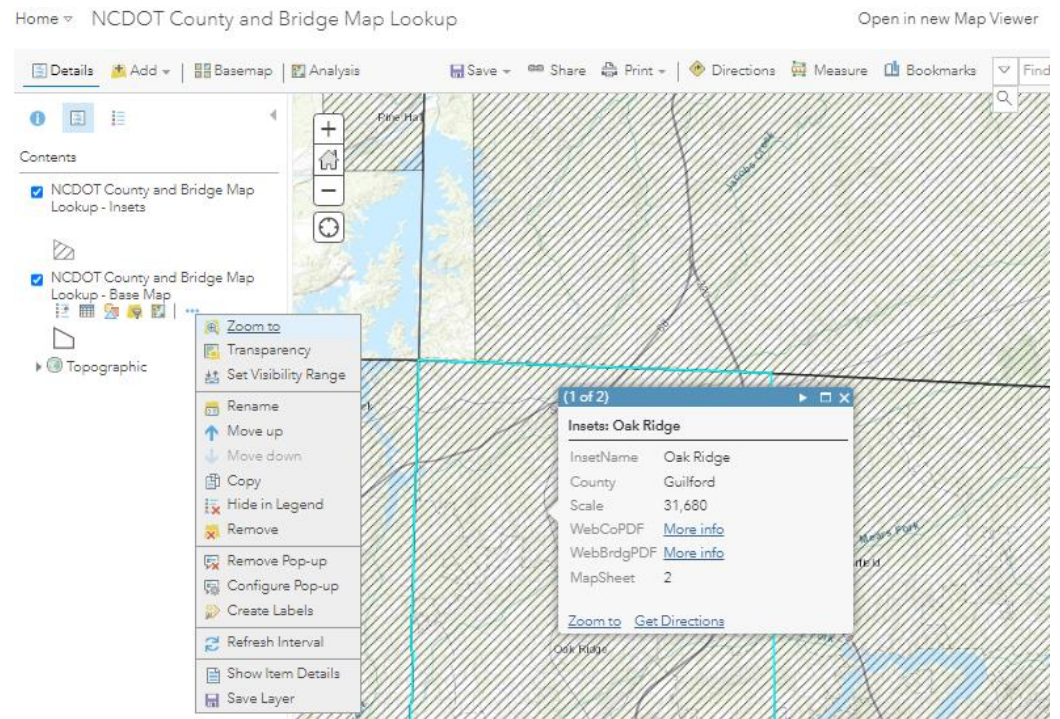


- GO!NC Gallery & Search Bar
- Searching gives the most results, but pay attention to the owner & metadata!
- Add data to web maps using the Add --> Search for Layers option
- Search for existing data before making new data



ArcGIS Online- Map Viewer

- Most of our maps are still in Classic Viewer
- Users can adjust map symbology, labels, filters, scaling, popups etc.
- Hitting “save” makes a copy of the map in your content



ArcGIS Online- Metadata

Click services in search results to view Info page:

The screenshot shows the ArcGIS Online interface. On the left, a search for 'bridge' is performed, resulting in a list of services. The 'NCDOT County and Bridge Map Lookup' service is selected, and its metadata page is displayed on the right. The metadata page includes a description, layers, and item information.

Service: NCDOT County and Bridge Map Lookup
 Feature Layer (hosted) by OPM.NCDOT.GOV
 Created: Jun 2, 2016 Updated: Jan 29, 2021 View Count: 5,103

Description:
 NCDOT's Mapping Section prepares PDF maps quarterly of NCDOT maintained roads and bridges. Links to these maps are found in the attribute tables of features in the individual map layers. The links allow users to access a PDF base map of the county along with inset PDF maps showing areas where infrastructure proximity requires a larger scale map. The intended audience for the map products are NCDOT Division Maintenance staff. The feature service is updated when new insets are added to maps. The PDF maps that are linked from this service, however, are updated quarterly. Please contact Mike Herrmann (mherrmann1@ncdot.gov) with questions about the feature service or data.

Layers:
 Insets Polygon layer
 Base_Map Polygon layer

Item Information:
 Low High
 Details

Administer the data through the info page as well:




- Export to Other Formats
- Create Views
- Sharing to Groups or Organization

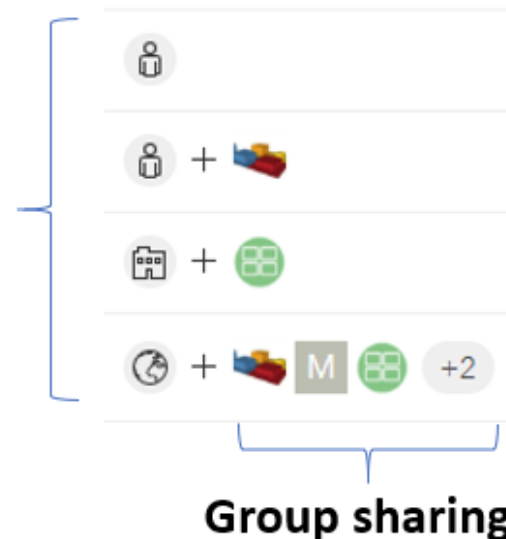
ArcGIS Online- Sharing

Four levels of Sharing:

- **Everyone:** General Public: *Only BU Accounts*
- **Organization:** for Statewide Data ONLY
- **Groups:** Data for specific users
- **Owner:** Not Shared

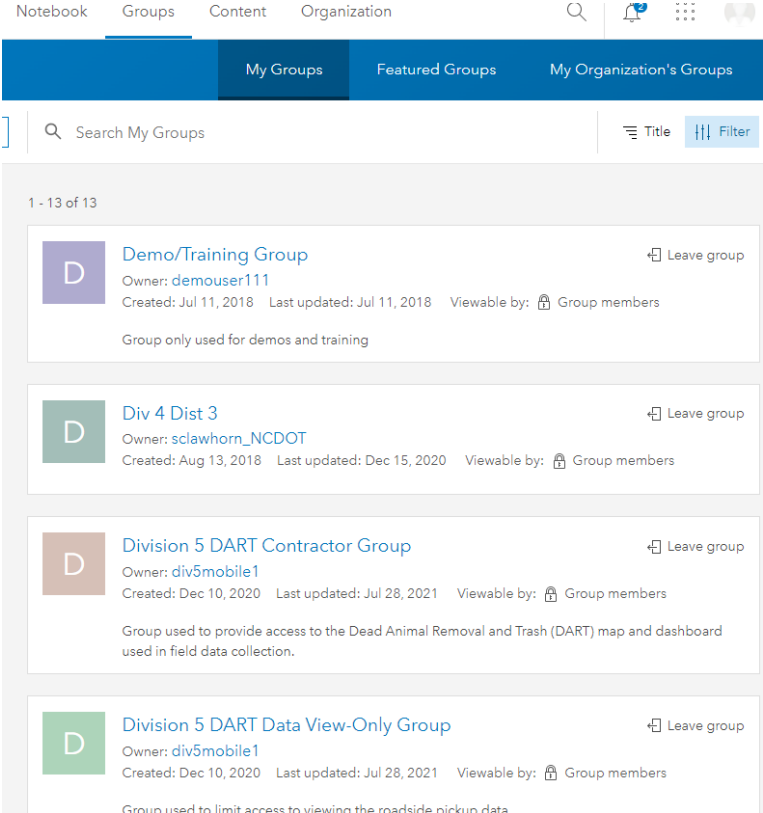
Sharing level

-  Owner
-  Organization, or
-  Everyone



ArcGIS Online- Groups

- Used for organizing content as well as for limiting viewing access to non-relevant other account holders.
- If you are not in the group, you don't see the data when searching
- Share to groups, not the entire Organization unless necessary!



The screenshot displays the ArcGIS Online interface for managing groups. The top navigation bar includes 'Notebook', 'Groups', 'Content', and 'Organization'. Below this, there are tabs for 'My Groups', 'Featured Groups', and 'My Organization's Groups'. A search bar labeled 'Search My Groups' is present, along with a 'Filter' button. The main content area shows a list of groups, with the first four visible:

- Demo/Training Group**
Owner: demouser111
Created: Jul 11, 2018 | Last updated: Jul 11, 2018 | Viewable by: Group members
Group only used for demos and training
- Div 4 Dist 3**
Owner: sclawhorn_NCDOT
Created: Aug 13, 2018 | Last updated: Dec 15, 2020 | Viewable by: Group members
- Division 5 DART Contractor Group**
Owner: div5mobile1
Created: Dec 10, 2020 | Last updated: Jul 28, 2021 | Viewable by: Group members
Group used to provide access to the Dead Animal Removal and Trash (DART) map and dashboard used in field data collection.
- Division 5 DART Data View-Only Group**
Owner: div5mobile1
Created: Dec 10, 2020 | Last updated: Jul 28, 2021 | Viewable by: Group members
Group used to limit access to viewing the roadside oickuo data.

Survey123

- Form-centric solution for creating, sharing and analyzing surveys among user groups
- Can be used to replace paper-based data entry
- Cannot overwrite existing data
- Create survey from web-based tool or Survey123 connect
- Data can be placed in maps and apps for analysis

The screenshot shows the Survey123 mobile app interface for a 'Tree Survey'. The top status bar shows the time as 11:28 and battery level at 74%. The app title is 'Tree Survey'. The form fields are as follows:

- Survey date:** A date picker set to 'Monday, July 6, 2020'.
- Tree location:** A location picker showing coordinates '33°58'N 117°11'W' and a map view with a red pin and a '3 mi' distance indicator. The map shows 'Reels Canyon Rd'.
- Tree ID:** A text input field containing '12345'.
- Health:** A radio button group with four options: 'Excellent' (selected), 'Good', 'Fair', and 'Dead'.

At the bottom of the form, there is a green bar with an information icon and a checkmark icon. The bottom navigation bar shows a back arrow, a home button, and a recent apps button.

Collector

- Map-centric solution for creating, sharing and analyzing GIS data among user groups
- Preferred option if you need to reference information (other layers), or need to create lines or polygons
- Ability to update existing data
- Create surveys from editable webmaps in ArcGIS Online
- Easier to replicate if needed
- Recommend to replace with ESRI FieldMaps



Explorer

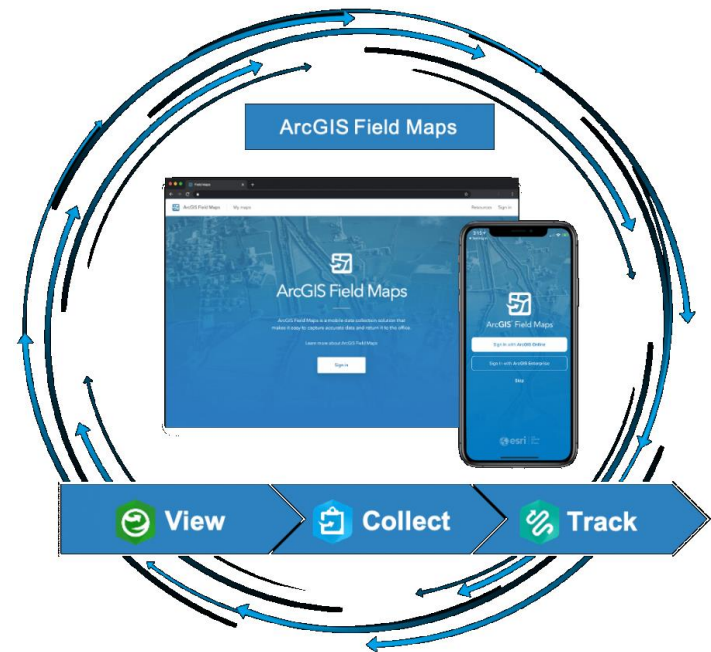
- Similar to Collector, but no editing ability
- Users can see more maps (not restricted to editable maps)
- Used for webmap analysis on mobile apps or as an aid to on-site work that does not require data collection.
- We recommend to replace with ESRI FieldMaps



FieldMaps

Collector and Explorer are deprecated as of 12/31/2021

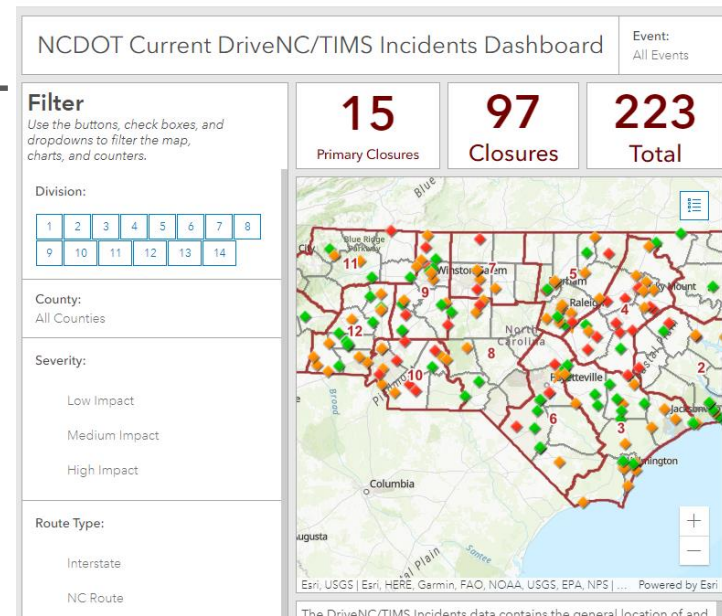
- Newest Mobile Tool from ESRI
- Seamlessly Replaces Collector and Explorer
- Developed to simplify and streamline the ESRI Field Apps suite
- You can download to device with other apps still loaded, so go ahead and get it!



GO!NC Dashboards

Dashboards

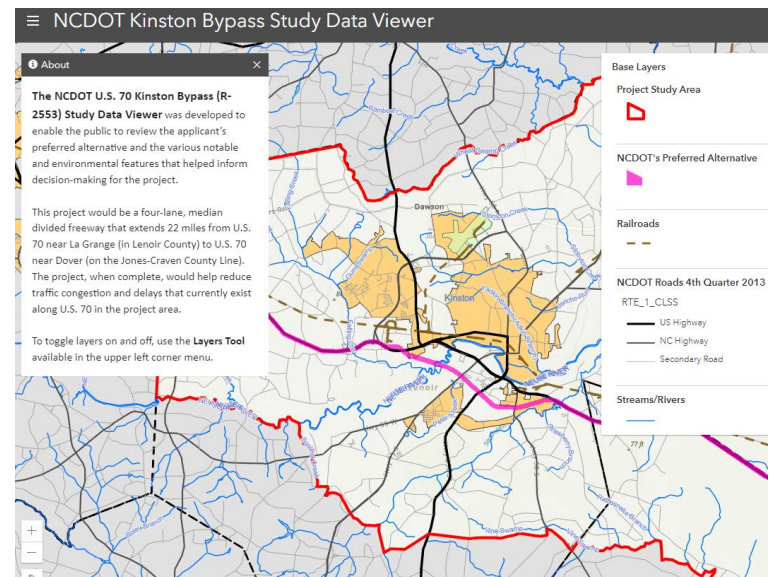
- Create as an app within AGOL
- Usually powered by a web map
- Generate metrics from data created from surveys
- Many different widgets for customizing appearance
- GIS Unit can offer assistance with configuration



GO!NC WebApps

Custom Web Application

- Developed from existing web maps
- Adds abilities to manipulate or view data not offered by standard map
- Requires higher technical knowledge
- GIS Unit is available for help



GO!NC Tips for Sharing Data

- Create un-editable View Layers of Editable Data to minimize risk of unwanted edits
- Contact us about thumbnails for Statewide sharing
- Use descriptive tags and metadata
- Data Filters help when sharing statewide data to regional groups
- You can make data downloadable to others in many different formats

Primary Contacts

User Accounts: GIS Helpdesk

GISHelp@ncdot.gov

GeoServices Group Staff:

Mary Ellen Perko- Supervisor

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Jeremy Aycok

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Jaimie Nevins

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**Thank You
for Listening!**