



Georgia Natural Archaeological Historic Resource Geographic Information System (GNAHRGIS)

Data Group Survey Relevancy Update

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Alpha/Beta site location

<https://alpha.itos.uga.edu/gnahrgis>

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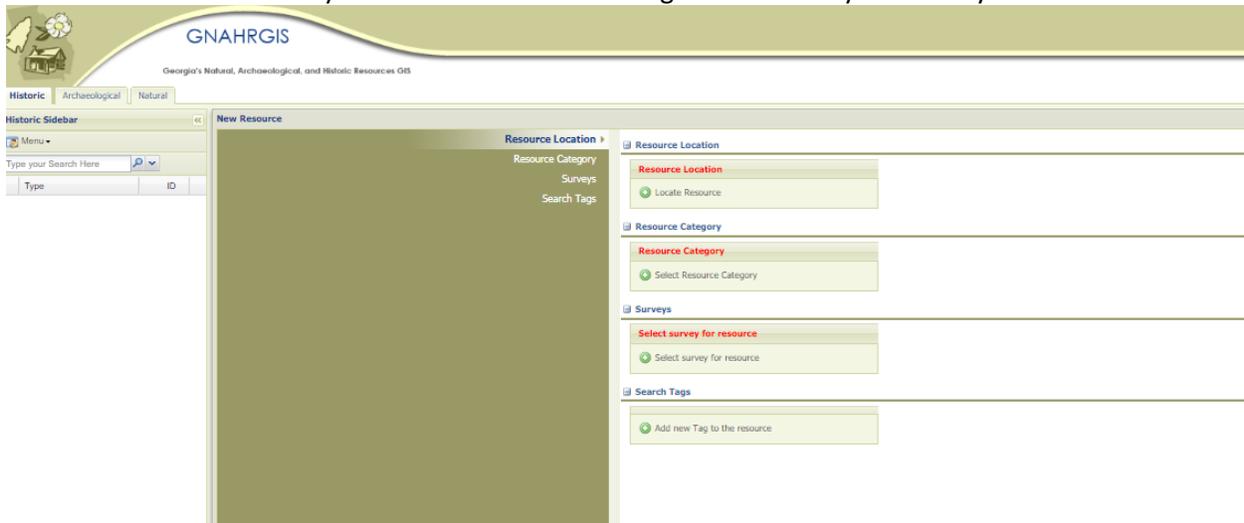
Summary

GNAHRGIS has a long list of data items that may be accessed for resources in groups and not all data items are relevant to every survey. This is because the survey type dictates which data items are relevant for the survey. Currently surveyors see all these in the edit forms, which is unnecessary and cumbersome. As an artifact of working through building the GNAHRGIS history tracking module, a set of features in GNAHRGIS that allow for managing Georgia Department of Transportation (GDOT) surveys of resources more closely with GDOT projects, paring down the list in edit forms to relevancy for the user and their associated surveys only is now available. This document describes this and illustrates several cases of a test user of different roles with different survey associations.

Use Cases Change Behavior

Users only get access to the data groups relevant to their associated surveys.

Here is my test user of surveyor role (adawnflyer@gmail.com) that has no survey association. So, the user does not have a survey created nor is the user assigned to a survey created by another user.



This would rarely happen, however, note the conciseness of the edit screen. The add resource form results in the data groups only that are required of any survey. Previously, the user would have all data groups showing:



The screenshot shows the GNAHRGIS web application interface. At the top, there is a header with the GNAHRGIS logo and the text "Georgia's Natural, Archeological, and Historic Resources GIS". Below the header, there are three tabs: "Historic", "Archeological", and "Natural". The "Historic" tab is selected. On the left side, there is a "Historic Sidebar" with a search bar and a table with columns "Type" and "ID". The main content area is titled "New Resource" and contains a "Resource Location" section. This section is divided into several sub-sections, each with a "Add" button and a "Select" button. The sub-sections are: "Resource Location", "Resource Category", "Surveys", "Form Prepared By", "Basic Resource Information", "National/Georgia Register Status, Current", "Government Preservation Activity", "Use, Original", "Use, Subsequent", "Use, Current", "Date of Construction", "Architectural Style", and "Floor Plan (original)".

Now let's assign an History tracking survey to the user.



Here is the Assign Users form with the History Tracking Survey:

The screenshot shows the GNAHRGIS Survey Manager interface. A dialog box titled "Assign Users for P3000981" is open, displaying a list of users and surveys. The main window shows a list of surveys with columns for ID, Survey Name, Survey Type, and Survey Family.

ID	Survey Name	Survey Type	Survey Family
2228	Capitol View Meter	Local (Local Funding)	Field
2229	Kelly Mill Historic District	Section 108	Environmental Review
2230	Summersville Phase 2 Augusta	HPO grant (HPT)	Field
2231	Summersville Phase 2	HPO grant (HPT)	Field
2232	ITDS National Register Test	National Register	National Register
2233	City of Dublin, Ga	HPO (www.usDE)	Field
2239	Stone Mountain		Field
2245	Finch Washington County		Field
2246	Finch Tappan County		Field
2247	Finch Crawford County		Field
2248	USA Owned Properties		Field
2249	University of Georgia experiment stations		Field
2258	Albany 2014, Reason Park and Reason Circle		Field
2259	Estation 2014		Field
2267	Denton 2014, NP, Historic Districts		Field
2268	Finch Habersham County		Field
2269	AIA Modern Atlanta 2014		Field
2270	Warner Robins 2014 2015		Field
2276	TVA Fannin County Decorative Warehouse Building		Field
2277	Stephens C.F. inst		Field
2302	Moultrie MDA - Northwest Moultrie Residential Area		Field
2303	Pinchard Gul Neighborhood - MDA		Field
2304	Lanes Walker and Buchanan Neighborhoods - MDA		Field
2305	Finch Spalding County		Field
2306	Finch White County		Field
2307	Finch Butts County		Field
2308	Finch Rockdale County		Field
2309	Vanner's Valley - MDA		Field
2310	National Register Tracking		Field
2311	City of Fyffe Island 2015		Field
2314	Camden 2015		Field
2315	Marshallville Phase 1 2015		Field
2316	Toccoa 2015		Field
2320	0502 student survey 2015		Field
2321	Milledgeville County Phase 1 - 2015		Field
2322	Albany 2015	HPO grant (HPT)	Field
2323	Summersville Phase 3 Augusta	HPO grant (HPT)	Field
2324	Osceola Ga 2016	"Travel through USA"	Field
2325	Thomas 2016	HPO contract (state funding)	Field
2326	Survey permissions	National Register	National Register
2327	OSDOT Test 2016	Section 108 - Department of Transportation	Environmental Review
2328	Test	National Register	National Register
2329	HT survey test	History Tracking Item	Environmental Review
2340	History Tracking	History Tracking	History Tracking
2341	Antia Test History Tracking	History Tracking	History Tracking

The user now has an history tracking survey assigned. Only those pertinent data groups show for the form. Now we can access the "Add Resource" menu item and see what data items and data groups are available.

The screenshot shows the GNAHRGIS "New Resource" form. The form is divided into three main sections: Resource Location, Resource Category, and Surveys. Each section has a corresponding button to interact with the data.

The Project, SHPO Concurrence Report data groups are included that are only relevant to the History Tracking surveys. And when creating a History Tracking Resource via the widget:



Add History Tracking Resource

Resource Location

Locate Resource

Resource Category

Select Resource Category

Surveys

Select survey for resource

Select survey for resource

SHPO Concurrence Report

Add SHPO Concurrence Report

Project

Add Project

Only those data groups show as well. The widget is handy for users that are working with history tracking survey resources, but they may use the main add resource form as well to access these data groups. If the user is assigned to a field survey though as well, then they may wish to use the widget, as the other data groups for the field survey will show in the “Add Resource” form.

Now let’s see what is showing when the user owns a field survey:



All data groups pertinent to the field survey are showing.

The screenshot displays the GNAHRGIS 'New Resource' form. The interface is divided into a sidebar on the left and a main content area on the right. The sidebar contains a search bar and a list of data items. The main content area shows a vertical list of these items, each with a corresponding 'Add' button. The items include Resource Location, Resource Category, Surveys, Form Prepared By, Basic Resource Information, Date of Construction, SHPO Concurrence Report, Project, Building Type, Original, Architect/Engineer/Designer/Builder, Architectural Style, Area of Significance (Historical Theme), Carport and/or Garage, Attached/Integral, Chimney Location and Material, Construction System/Technology, Exterior material, Facade Symmetry and Front Door, Floor Plan (original), Foundation Type and Material, Government Preservation Activity, History of the Resource, Plan Shape, Porch, Porta-Cochere, Roof Type and Material, Field Survey Assessment, National/Georgia Register Criteria, Stories, Number of, Supporting Document, Surrounding Environment, Windows, Description of the Resource (additional/optional), Object Type, Outbuildings/Secondary-Auxiliary Buildings (overview), Additional Physical Description, Setting and Grounds -- Relic Structural Features, Setting and Grounds -- Setting, Setting and Grounds -- Yard(s), Site Type, Structure Type, Interior Materials, Use, Current, and Use, Original.

Conclusion

Surveyors may access data items in GNAHRGIS in the “Add Resource” forms that are relevant to their survey assignments only and don’t see extraneous data items they do not have capability to edit in the edit forms. They may see data items for resources they have permission to view that are not part of the survey assignments for them in report forms. Since they don’t have these in their edit forms, the forms are now more tailored toward individual user experiences and improving GNAHRGIS use ability.