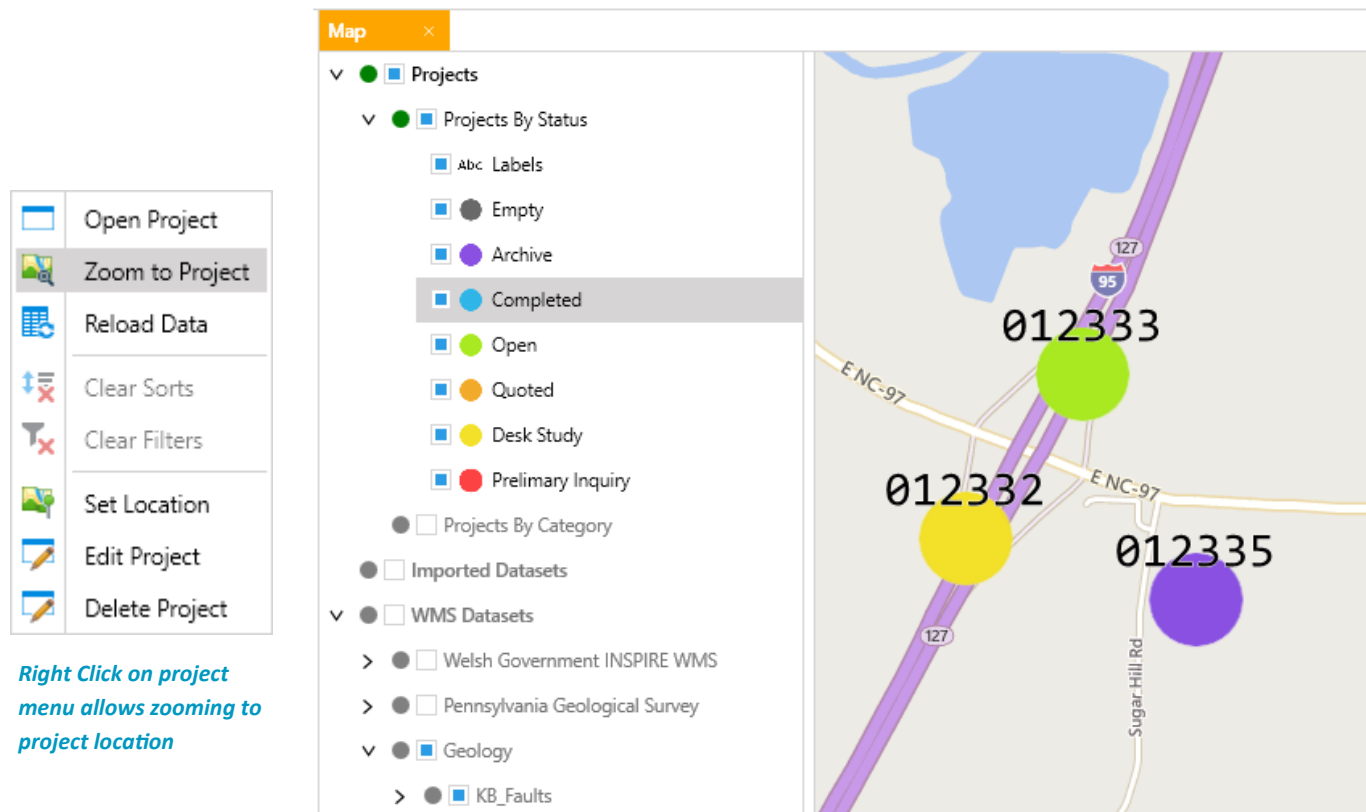


## OpenGround Cloud: Mapping, Plans & Cross-Sections

Mapping and Cross-Sections are generated in the *Professional* app. Mapping options are available at both the database level (overview, relative locations, etc.) and project level (site plans & cross-section generation).

### Database Level Mapping Tools

At the database level, tools exist to review the real-world location of projects as well the possibility to import additional mapping sources for use.

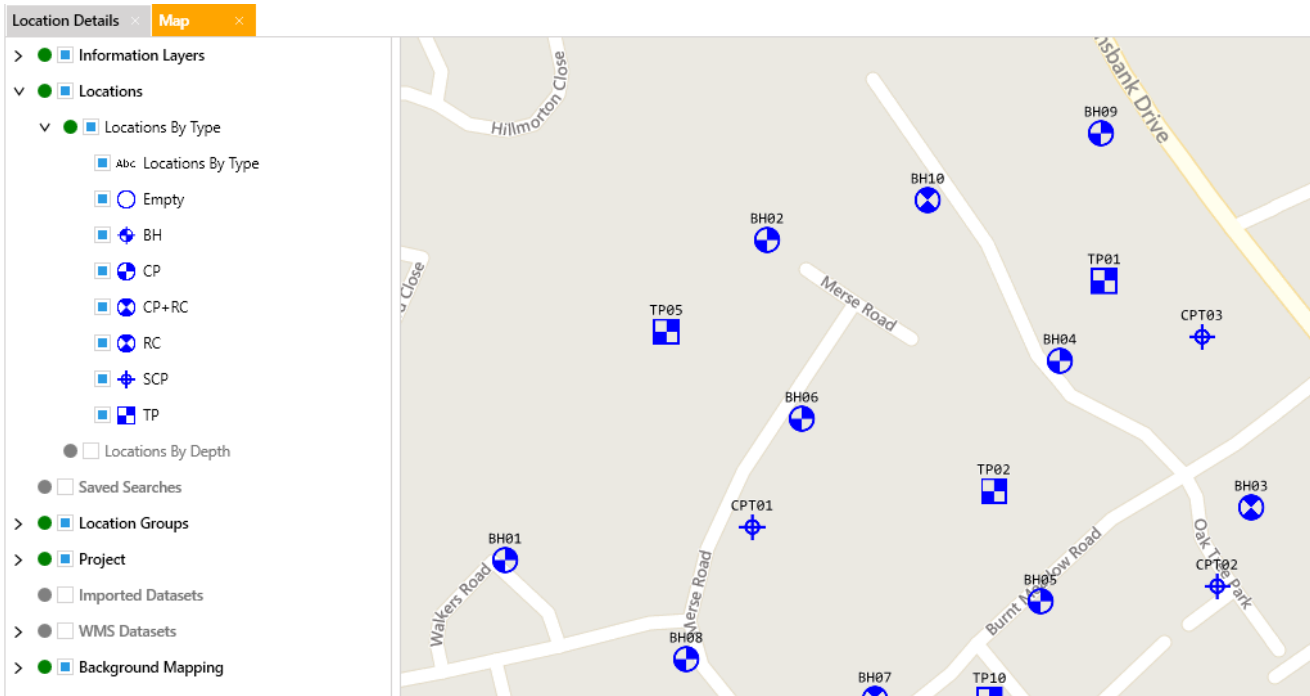


**The map displays the general project location, not individual locations.**

*Note: All boxes above a layer must be enabled for data to show. In the above example, the "Geology" layer will not display until "WMS Datasets" is checked.*

## Project Level Mapping Tools

### Overview

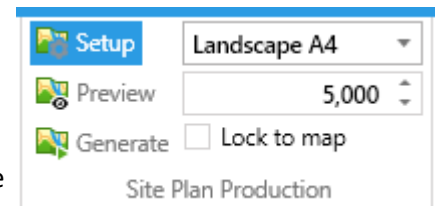


At the project level, mapping is more detailed showing individual locations with theming defined by the config pack. Additional options are present for creating and viewing:

- Location Groups— Defined using mapping tools, “North of River,” “Building Pad” or “Roadway”
- Saved Searches—Defined by data queries within the project, “Contain silt” or “Refusal < 5 ft”

### Site Plan Production

- 1) Click “Setup” to start the site plan process
- 2) The dropdown selects the template “Landscape A4” for example.
- 3) Set the scale using 1:XXX factor (5,000) in this example.
- 4) The map will change to highlight the area to be included on the site plan.
- 5) “Lock to Map” allows you to move the site plan location, this will always re-lock when you preview or generate your site plan.
- 6) Create your Site plan: “Preview” is quicker and at a lower resolution while “Generate” is higher resolution more suitable for final products.
- 7) Both methods allow saving a final product within OpenGround, to PDF as well as adjusting options based on the template chosen and the configuration pack.

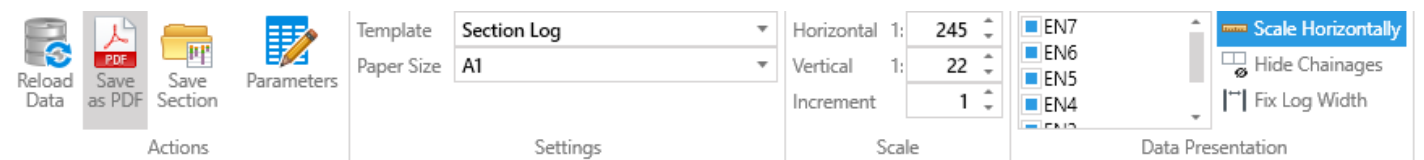
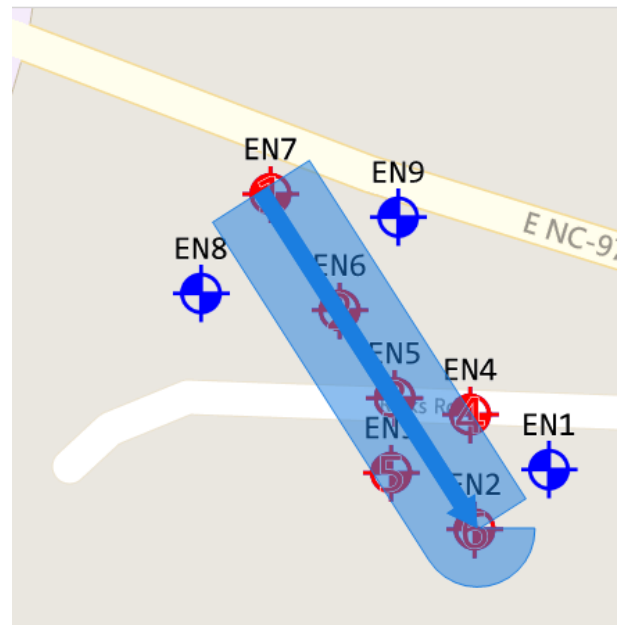
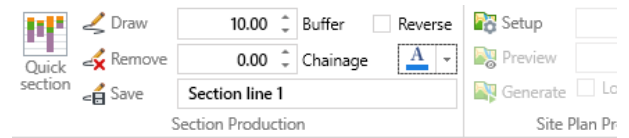


## Project Level Mapping Tools

### Cross-Sections (Quick-Sections or Fences)

#### Alignment Creation & Location Selection

- 1) Cross-Sections start by drawing the alignment to be used.
  - Left Click on first point
  - Left Click at each intersection point
  - Double Click on final location.
- 2) Set the buffer for point selection. This is represented by the blue box surrounding the alignment.
- 3) “Chainage” represents the initial value for the Section.
- 4) The Section line name can be changed.
- 5) Click the “Quick Section” button to generate the quick section view.

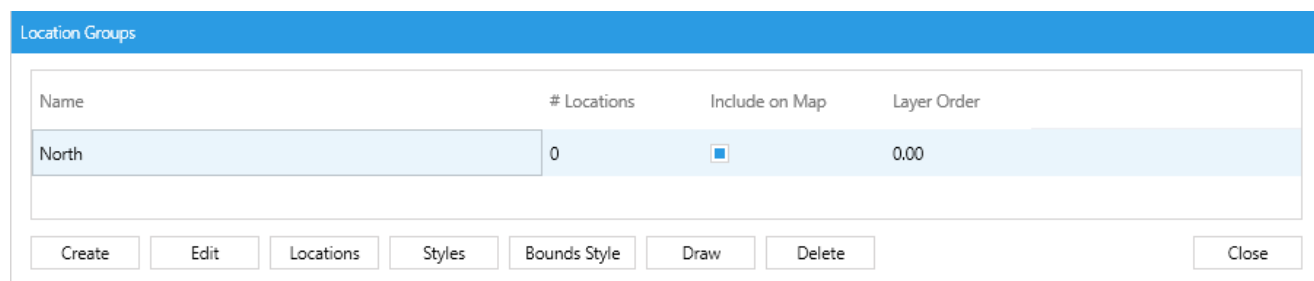


#### Cross-Section View Generation

- 1) Choose your template style (log strip types), and paper size.
- 2) “Reload Data” to generate a preliminary view of the section.
- 3) Scales, Increments and Location inclusion can be adjusted as well.
- 4) The section can either be saved as a PDF or within OpenGround Cloud itself.

### Location Groups

Location groups are managed under the “Data” Ribbon.



- Create generates a new location group.
- Edit allows name changes and draw orders
- Locations button allows filtering by location in a saved manner.
- Styles and Bounds Styles control the theming of the points on the map view.
- Draw allows you to draw a polygon on the map to directly include points based on their real-world location.