Page Layouts in ArcGIS Pro

What's new in Pro

The biggest change from ArcMap is that layouts are no longer tied to a single map document. Because of the new project structure in Pro, a single map view can be used in many layouts.

This should greatly increase efficiency in map categories such as Operations, which often includes multiple maps of the same content in different areas and scales.
Currently this requires an mxd for each map with its own data links, settings, and layout. Adding or removing content and symbology changes must be done in each mxd separately.
Pro allows a single map view to be created and then inserted in multiple layouts. This will allow a single map to define the symbology and content for all the layouts it is added to.

All the essential layout elements have carried over from ArcMap, but a few have new names (eg Data Driven Pages is now Map Series). For full documentation on Pro Layouts, see the Esri Help pages.

Layouts Included in the Pro Project Template

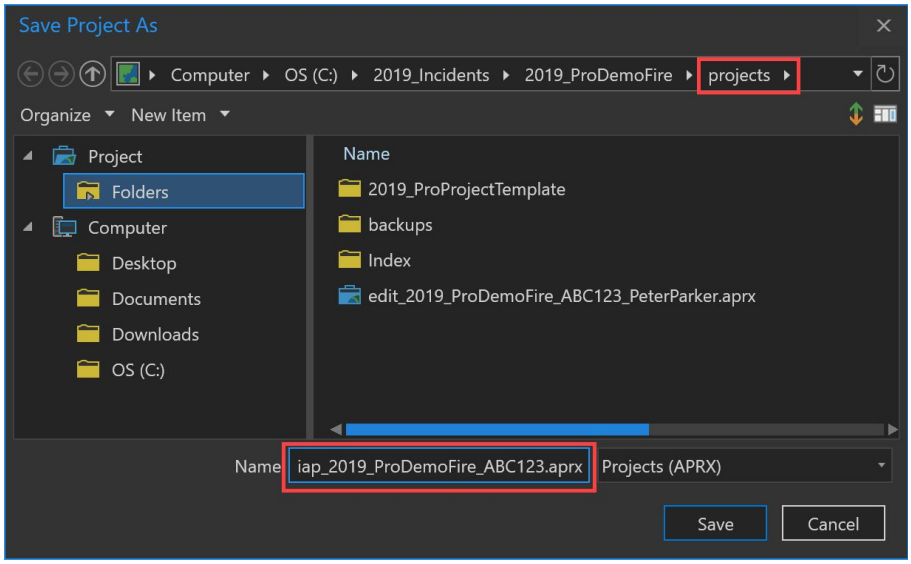
The included *2019_ProProjectTemplate.aprx* in the *projects* folder is already configured with a map view and layouts for the most common page sizes.

All the text elements in these layouts are dynamic. The project specific items (Title, Date and Operational Period, Author) are sourced from map view metadata while incident specific items (Incident Name, Incident ID, Current Acreage) are sourced from the *DynamicTextUpdate* table in the *_other_incident_data.gdb*. This should further reduce time spent updating daily products.

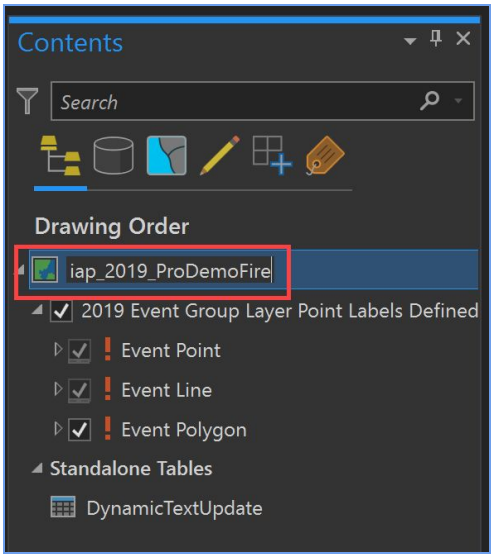
For more information on the initial configuration of the Pro Project Template, see the How-To document Prepare and Configure the Event GDB with ArcGIS Pro.

Creating a New Incident Product

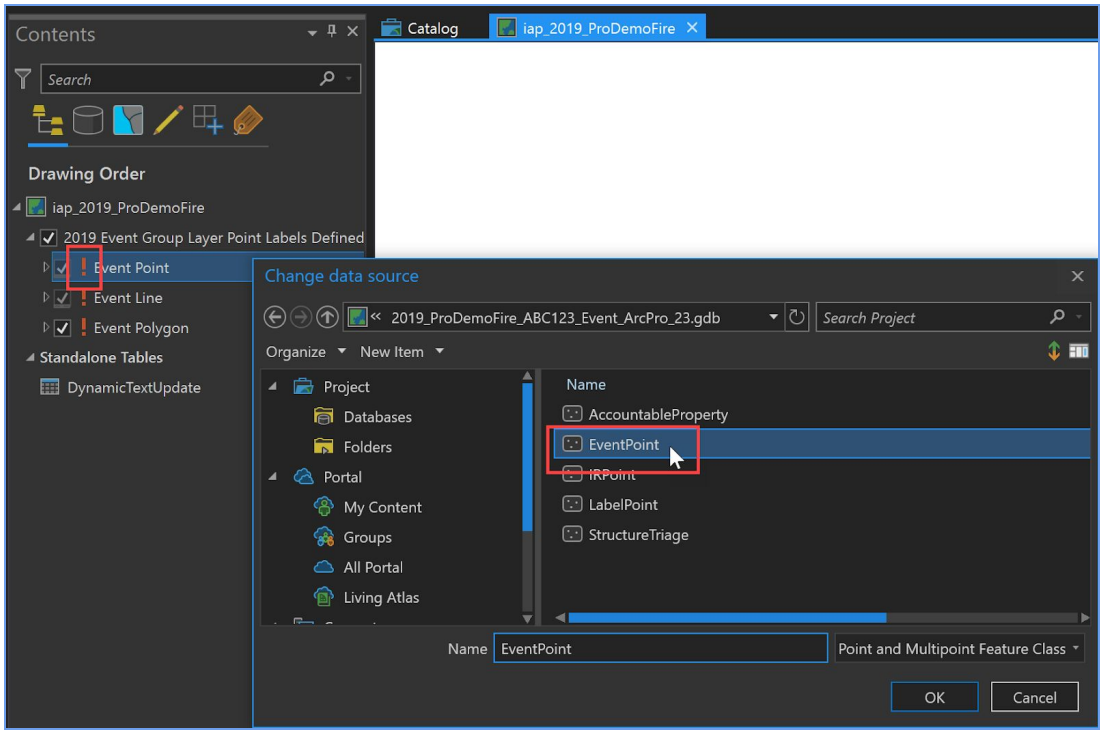
1. Open the Pro Project Template and immediately use Save As to create a new APRX in the *projects* folder (name per GSTOP standards).



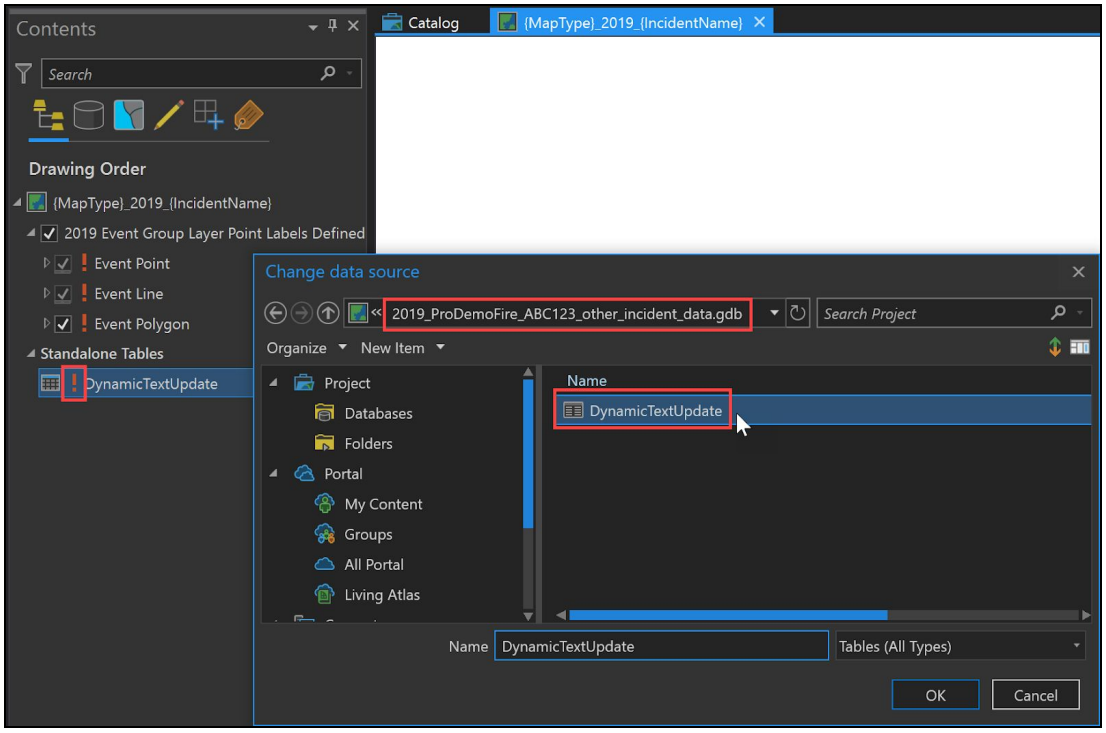
2. Open the *{MapType}_2019_{IncidentName}* map view and rename it to the map type and incident.



3. Click the red exclamation mark on one of the Event features to repair the data source to the **Master Incident GDB**.



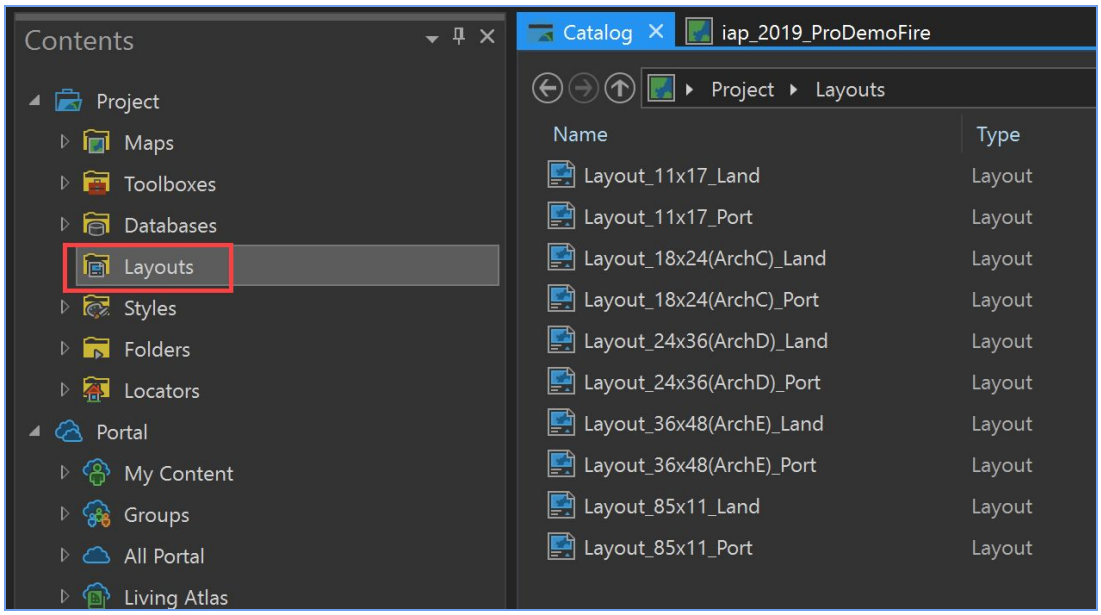
4. Update the source for the DynamicTextUpdate table to the incident's *_other_incident_data.gdb*, if necessary. Some dynamic text will not display if this link is broken.



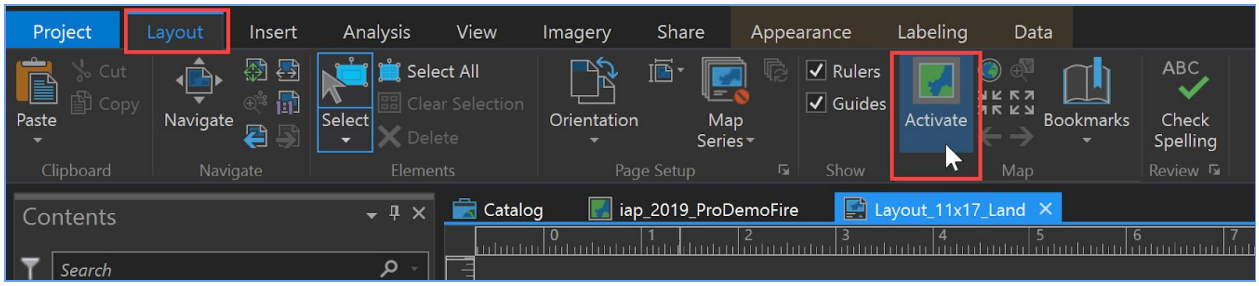
5. If the Acres and Acres Effective Date are incorrect, this and any other projects should be closed and the *DynamicTextUpdate* table should be edited from the **Edit Project**.

6. Add the appropriate base map(s) and any ancillary data necessary for the product.

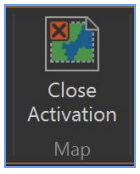
7. From the Contents pane in the Catalog view, open the project Layouts. Select the appropriate size and orientation for the product.



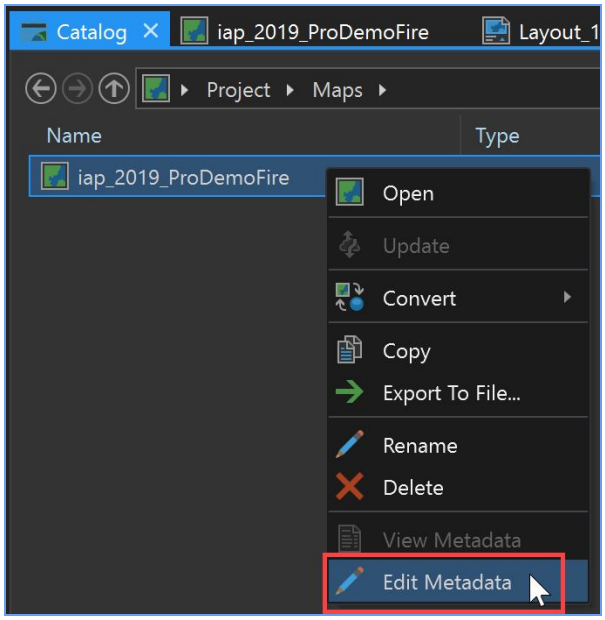
8. Activate the map frame from the Layout ribbon and zoom or pan to the area of interest. This can be done a number of ways including Manually, Zoom to Layer, a Bookmark, and Zoom/Pan to feature. Double-check the scale is correct for the product.



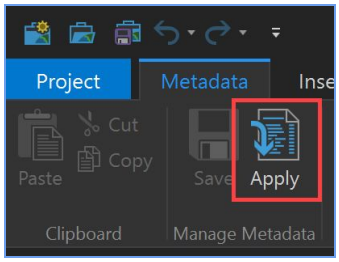
Close the Activation when the map displays the desired area at the appropriate scale.



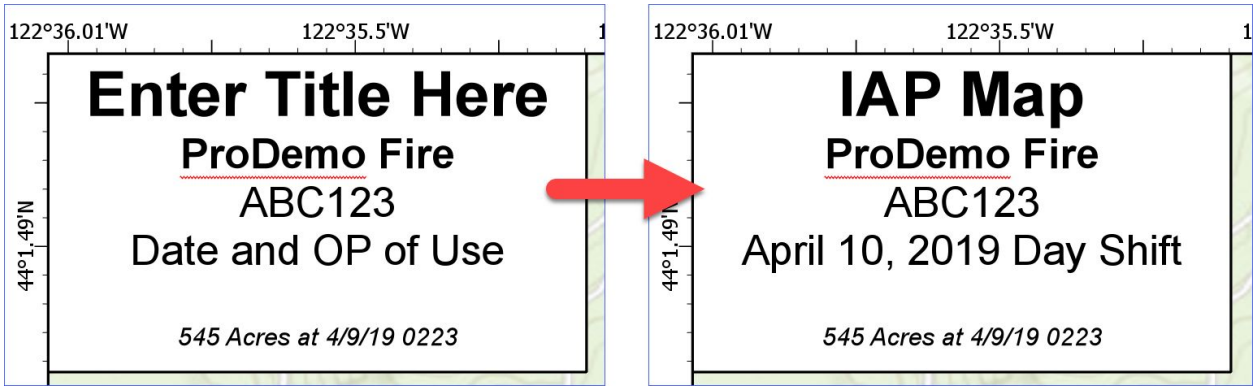
9. From the Catalog view, right-click the map view and select Edit Metadata.



10. Enter the Title under *Summary*.
    Enter the Date and Operational Period under *Description*.
    Enter the Author name or initials under *Credits*.
    Click Apply to save the changes.



The Layout may need to be refreshed for the text to update.



11. Make any final adjustments to layout elements.

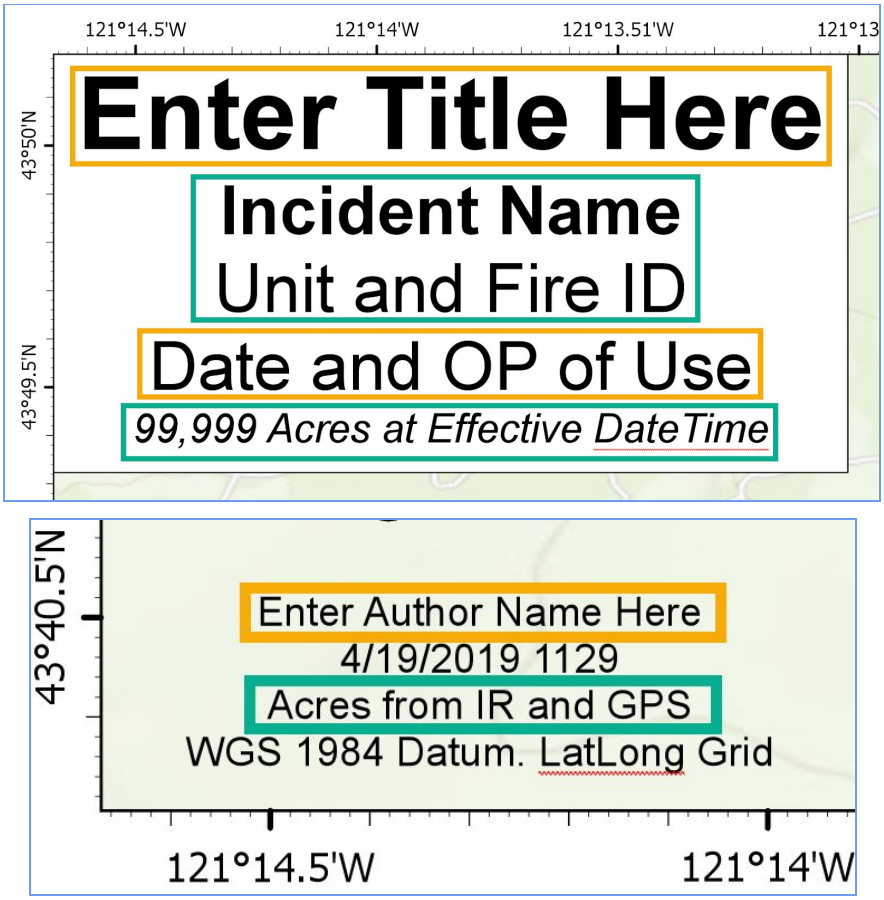
Create Different Size or Area of the same Product

Once a product has been created at one size, to recreate it with different dimensions simply open the desired layout and activate the map frame to set the area and scale.

To create the same product in multiple areas, simply make a copy of the desired layout and activate the map frame to set the desired area and scale.

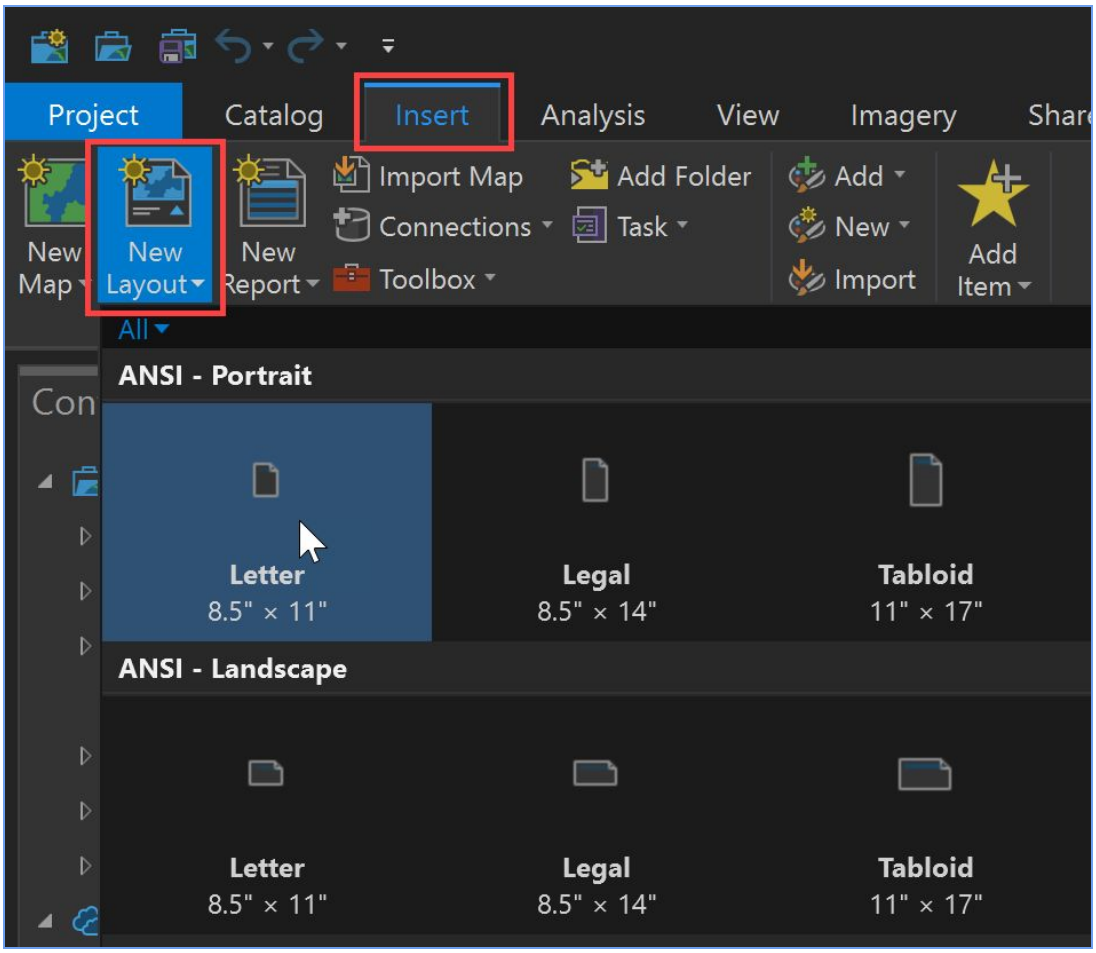
All the map element (symbology, annotation, basemaps, etc) will be the same because they are all tied to the same map view.

All the text elements will be identical and prepopulate because they are all tied to the same dynamic settings.
Elements highlighted in Yellow below are sourced from the Map View Metadata.
Elements highlighted in Green below are sourced from the *DynamicTextUpdate* table.
The date/time and datum are sourced from the system.



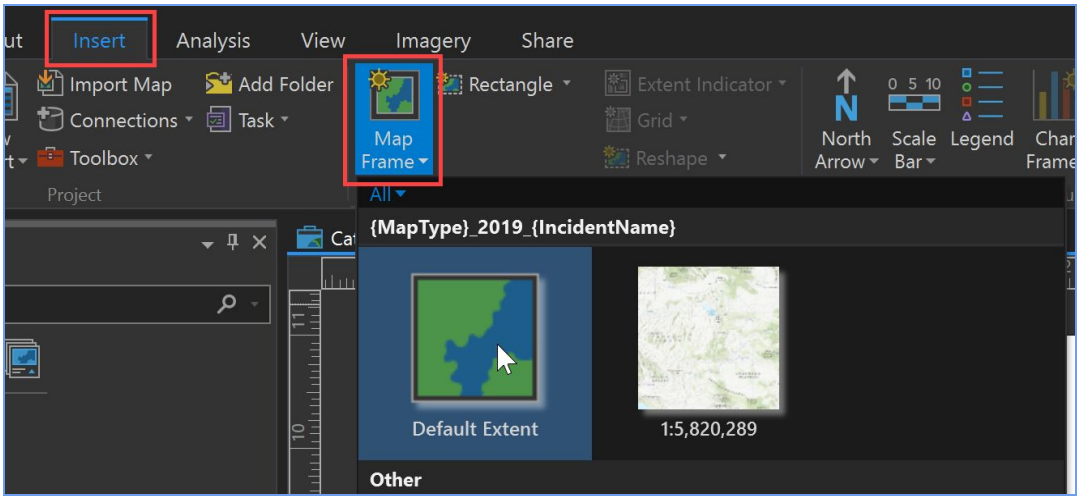
Create a New Layout

Creating a new layout is as simple as clicking the New Layout button on the Insert tab of the ribbon and selecting the page size.

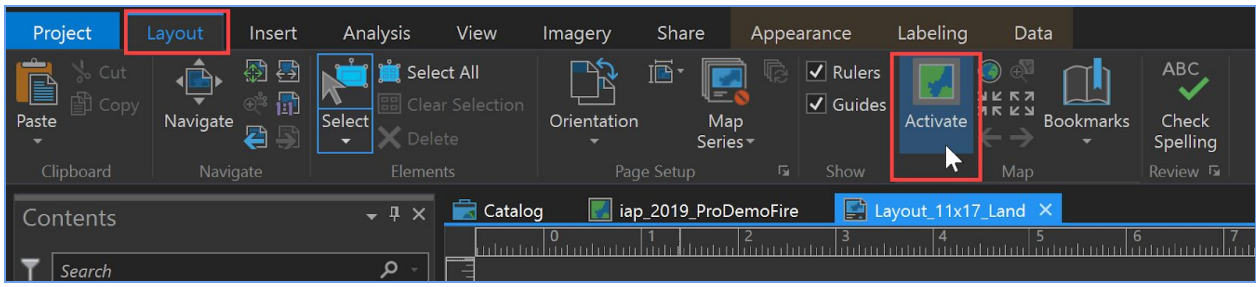


The layout should be renamed following GSTOP standards from the Catalog pane, under Layouts.

In the new layout, the map view can be added from the Map Frame dropdown on the Insert tab of the ribbon. The Insert tab is also where most the standard map elements (north arrow, scale bar, legend, etc) can be found as well.



By clicking the Activate button on the Layout tab of the ribbon, the placement and scale of the map can be set within the layout.

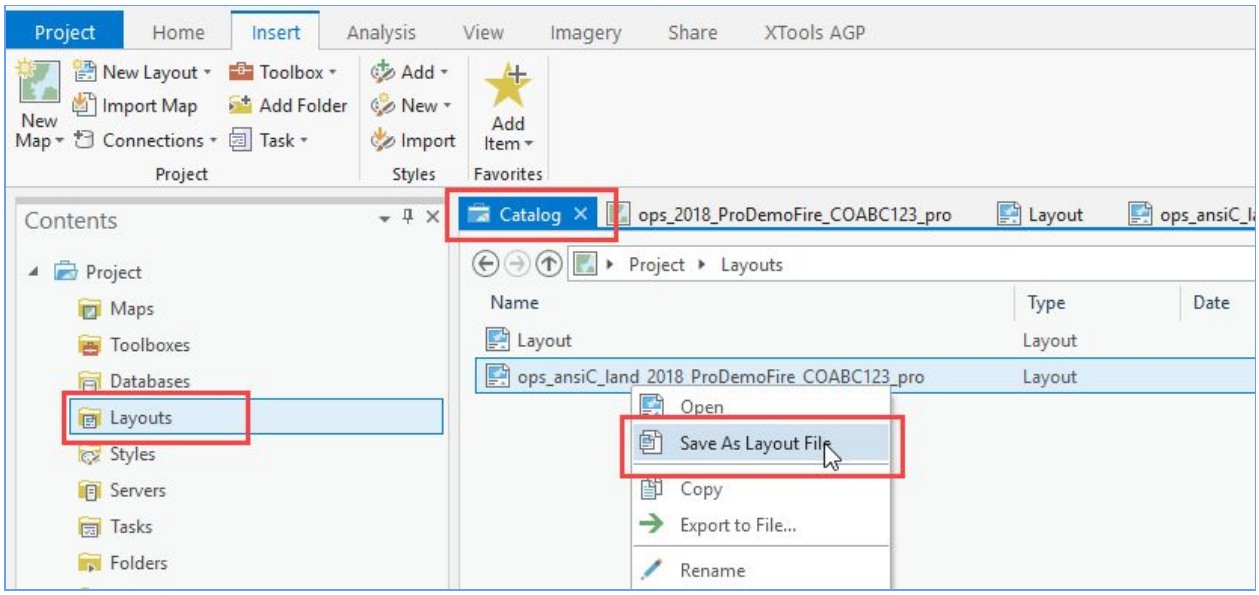


These settings will not be affected by panning or zooming in the Map View. However, any edits, selections, layer visibility, symbology changes, etc **will** be visible in all layouts which contain the Map Frame.

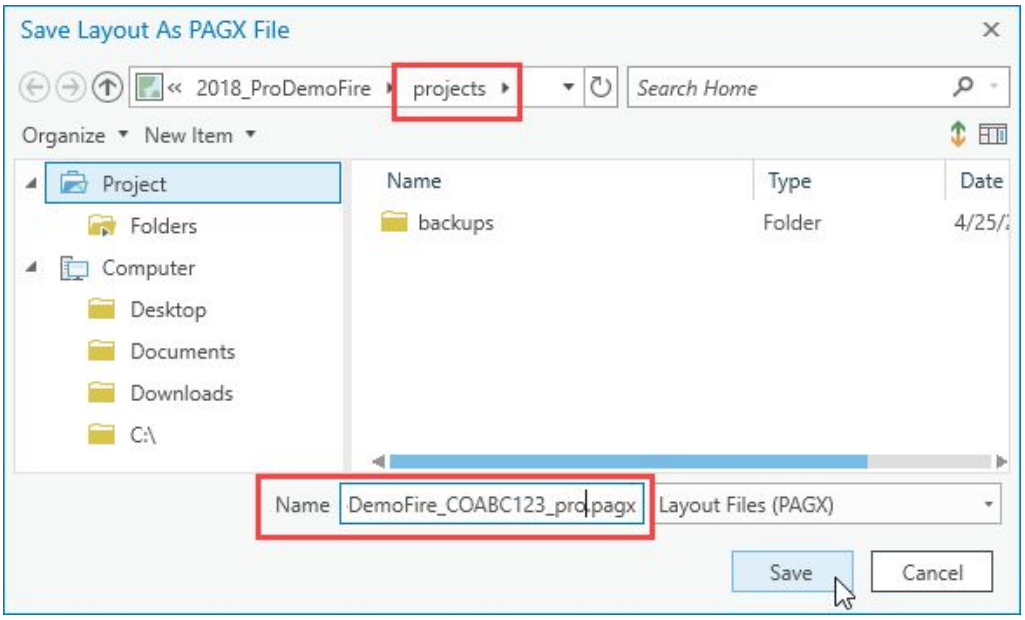
Save as a Layout File

Layouts can be shared as .pagx files, aka a layout file. This will include the all the layout elements as well as any map frames on the page. The data in the map frames is not included, just the path (just like an mxd).

To save a layout as a layout file, from the catalog view or pane, right click the layout and select Save As Layout File.



Save it to the *projects* folder in the incident file structure and name it following GSTOP standards.



Import Layout from Template

Pro supports both the new .pagx layout files as well as ArcMap .mxd files for import.

To import a layout, from the Insert tab on the ribbon, click New Layout and select Import a Layout File from the bottom of the dropdown.