

# Infrared Interpreter Map Series in a Fire Complex

## USING MAP SERIES TO EXPORT MULTIPLE FIRE MAPS

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There are at least three methods to export maps using map series:

- Spatial: source layer is the mobile geodatabase
- Spatial: source layer is a feature layer joined to the mobile geodatabase
- Bookmarks

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## Infrared Interpreter – Map Series Workflows

### Map Series – Sourced to Mobile Geodatabase

In the layout > Insert > Map Series  
Layer > IR Heat Perimeter  
Name and Sort Fields > IncidentName

Enable  Help with map series

**Spatial**  
Define a series of pages that span a range of map extents.

▼ Index Layer

Map frame: Layers Map Frame

Layer: IR Heat Perimeter

Name Field: IncidentName

Sort Field: IncidentName

Sort Ascending

> Optional Fields

▼ Map Extent

Best Fit Extent

Margin Size: 60 Percent

Round up scale to nearest: 1000

Center and Maintain Scale

Scale: 1:23,656

Use Scale From Field

Scale Field: <None>

Clip to index feature

OK Cancel

Set the Map Extent to Best Fit and adjust Margin Size as desired, or if the maps can be printed at one scale, set to Center and Maintain Scale and set a scale.

Optionally edit the Map\_Series\_Mobile\_gdb\_Table\_Join in the Default.gdb located in the Tools folder of the template. This will enable the user to set a scale for each fire.



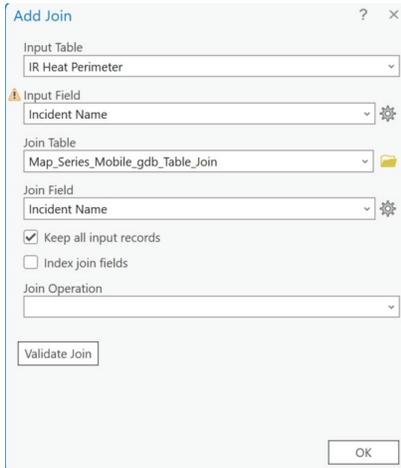
Add a record for each fire, populate the Incident Name and desired Scale.

OBJECTID *	Incident Name	GlobalID *	Scale
1	Fire #1	{8735262A-9292-44A0-BA57-61F01F683A0F}	24000
2	Fire #2	{FB7F1A25-56EA-4C59-8D71-98248709C37E}	38000

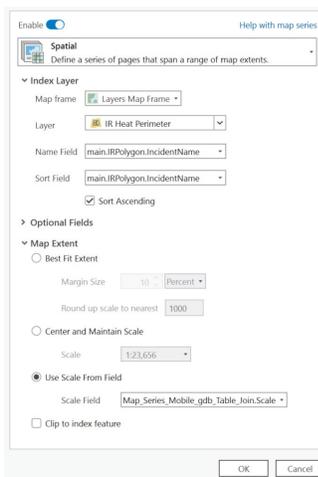
Click to add new row.

## Infrared Interpreter – Map Series Workflows

Join the Map\_Series\_Mobile\_gdb\_Table\_Join to the mobile gdb IR Heat Perimeter layer using Incident Name as the input and join fields and keep all records.

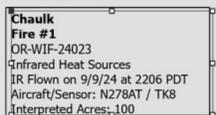


In the Map Series set up, Name Field > Incident Name from the table (only fires from the table will be included in the Map Series but all fires in the mobile gdb will display if they are in the display extent). In “Use Scale From Field”, chose the scale field from the table.



In the Layout, move the mobile gdb dynamic text to the Map Title and text

**Map Series Dynamic Text using attributes from the mobile gdb box below. Enable Map Series to view/edit**



If the dynamic text needs to be rebuilt in the mobile gdb or point feature Map Series, use the Table Attribute > Distinct Value. Query is Map Series Rows

## Infrared Interpreter – Map Series Workflows

**Table Attribute**

**Value**  
*Show the values separated by delimiter.*

**Distinct Values**  
*Show distinct values separated by delimiter.*

**Insert Table Attribute** [X]

Create a dynamic text element to show data from a table.

**Source**

Map frame: Layers Map Frame

Table: IR Heat Perimeter

Query: Visible rows

**Appearance**

Field: Complex Name [X]

Distinct

Sort Field: <None>

Sort Ascending

Delimiter: [ ]

OK Cancel

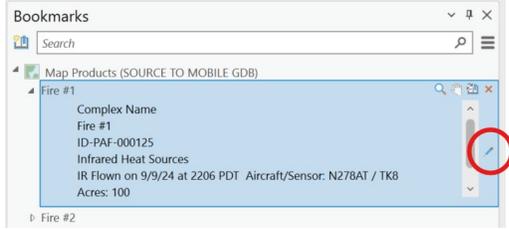
REMOVE ALL TABLE JOINS WHEN DONE EXPORTING

# Infrared Interpreter – Map Series Workflows

## Map Series – Bookmark

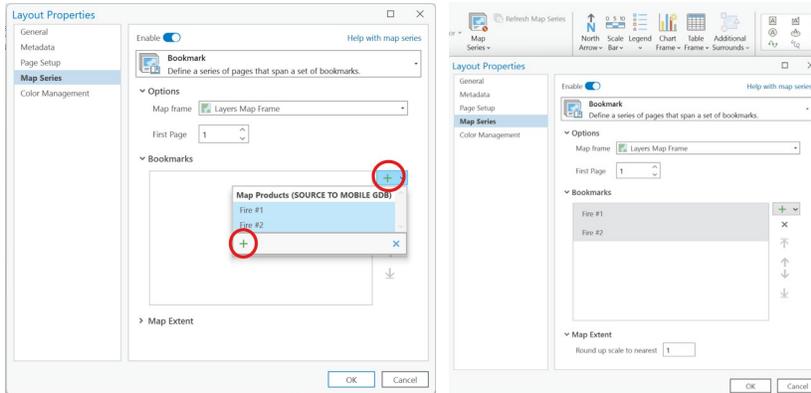
Create bookmarks for each fire

Edit the description in manage bookmarks to include the fire attributes



Enable Bookmark Map Series

Use the “+” buttons to add bookmarks



In the Layout, move the Bookmark dynamic text to the Map Title and text

**Map Series Dynamic Text using attributes from the description in Bookmarks box below. Enable Map Series to view/edit**

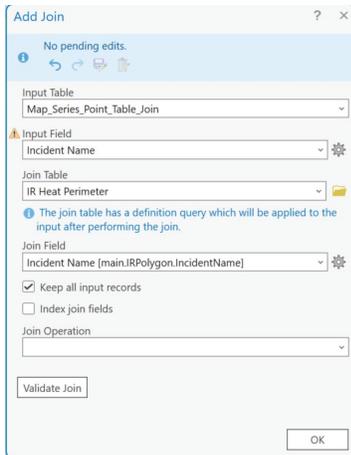
```
Complex Name  
Fire #1  
ID-PAF-000125  
Infrared Heat Sources  
IR Flown on 9/9/24 at 2206 PDT  
Aircraft/Sensor: N278AT / TK8  
Acres: 100  
IRIN: Your Name
```

If the text box has to be rebuilt add the box using Map Series > Description

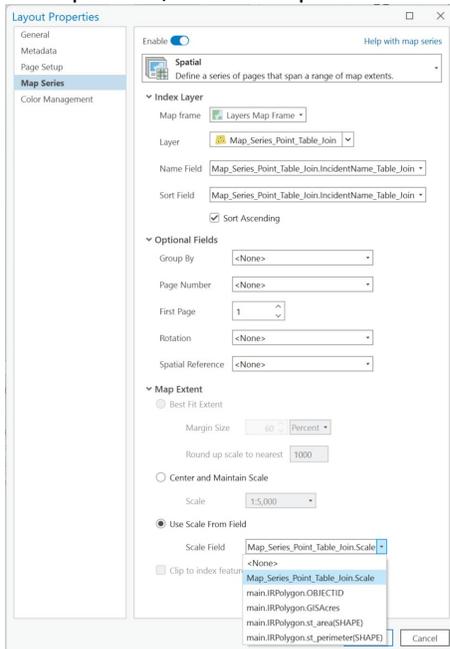
Map Series		
<b>Page Name</b>	<b>Page Number</b>	<b>Page With Count</b>
Fire #1	1	Page 1 of 2
<b>Page Index</b>	<b>Description</b>	
1	Complex Name Fire #1	

## Map Series – Sourced to a point feature in the Default.gdb, in the Tools folder > Map\_Series\_Point\_Table\_Join

Add points to the desired position for each fire (this will be the center point in the map series), enter the Incident Name in the Incident Name field and the desired scale in the Scale field. Join the Map\_Series\_Point\_Table\_Join feature class to the mobile gdb. Only fires included in the point feature class will be included in the map series, but all fires in the mobile gdb will still be displayed if they are within the layout extent.



In map series, chose the point file for the source layer and Scale field for the scale.



In the Layout, move the dynamic text to the Map Title and text

## Infrared Interpreter – Map Series Workflows

### **Map Series Dynamic Text using Map\_Series\_Point feature class joined to mobile gdb.**

**Chaulk**  
**Fire #1**  
Infrared Heat Sources  
IR Flown on 9/9/24 at 2206 PDT  
Aircraft/Sensor: N278AT / TK8  
Interpreted Acres: 100.00  
IRIN: Your Name

REMOVE ALL TABLE JOINS WHEN DONE EXPORTING