Labels and Annotation: Efficient And Effective Use of Text On Your Map

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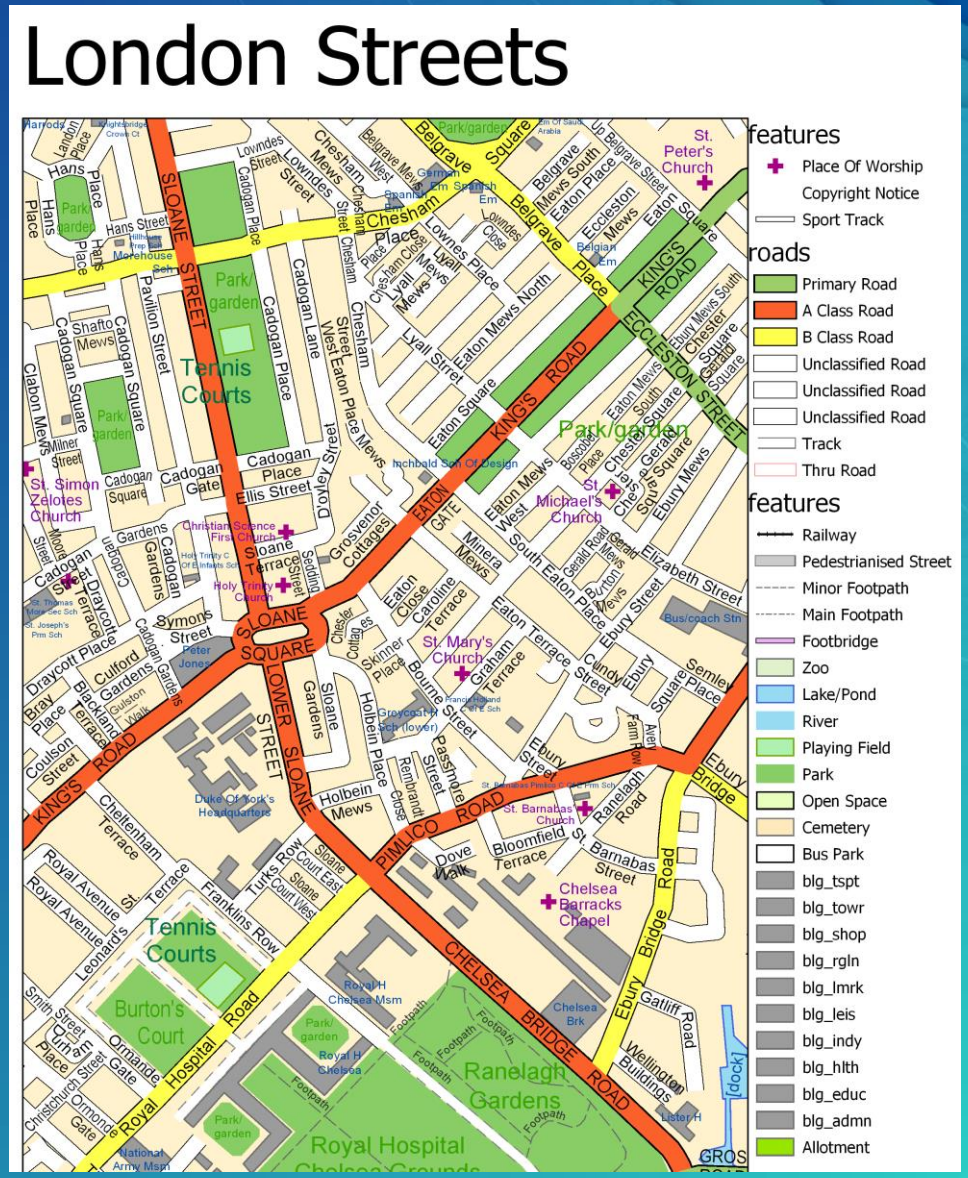
Text

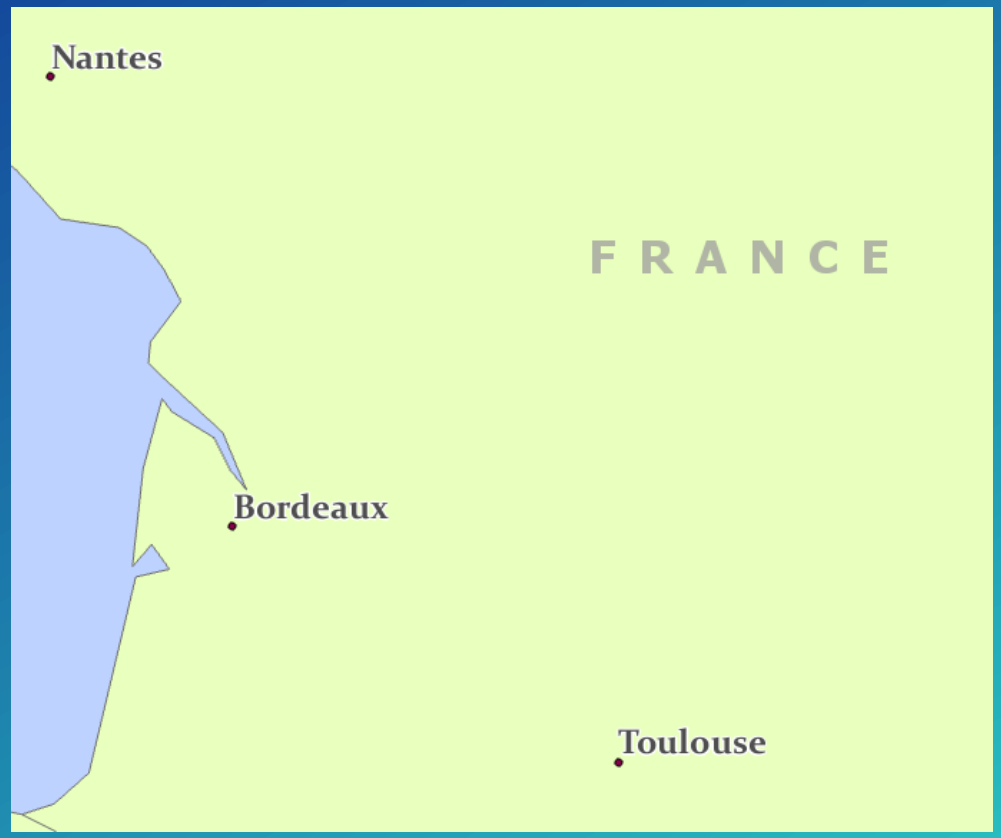
- Map
  - Street names
- Layout
  - Title



Labeling

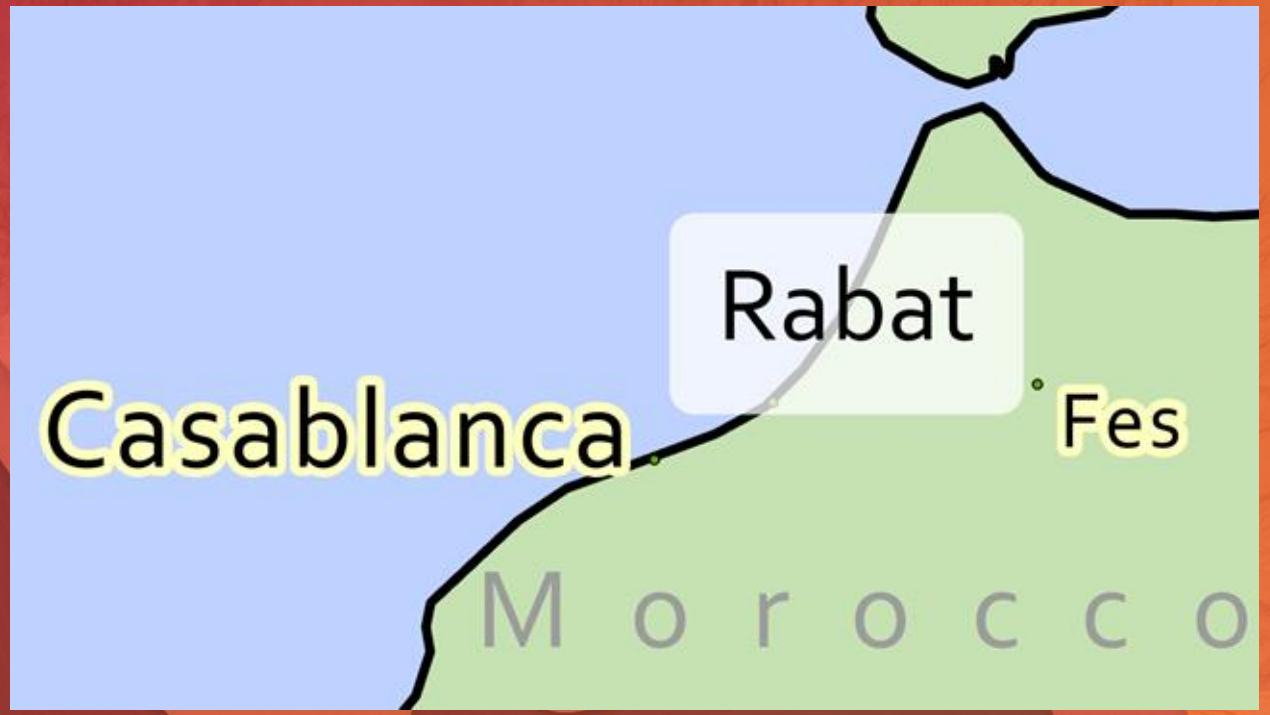
Labels

- Dynamic
- Generated from feature attribute(s)
- Stored in a map or layer file (.lyrx)



Maplex Label Engine

- **Advanced high-quality cartographic text placement engine**
- **End goal of reducing map production time and costs**
- **Numerous options**
  - Position
  - Fitting strategies
  - Conflict resolution

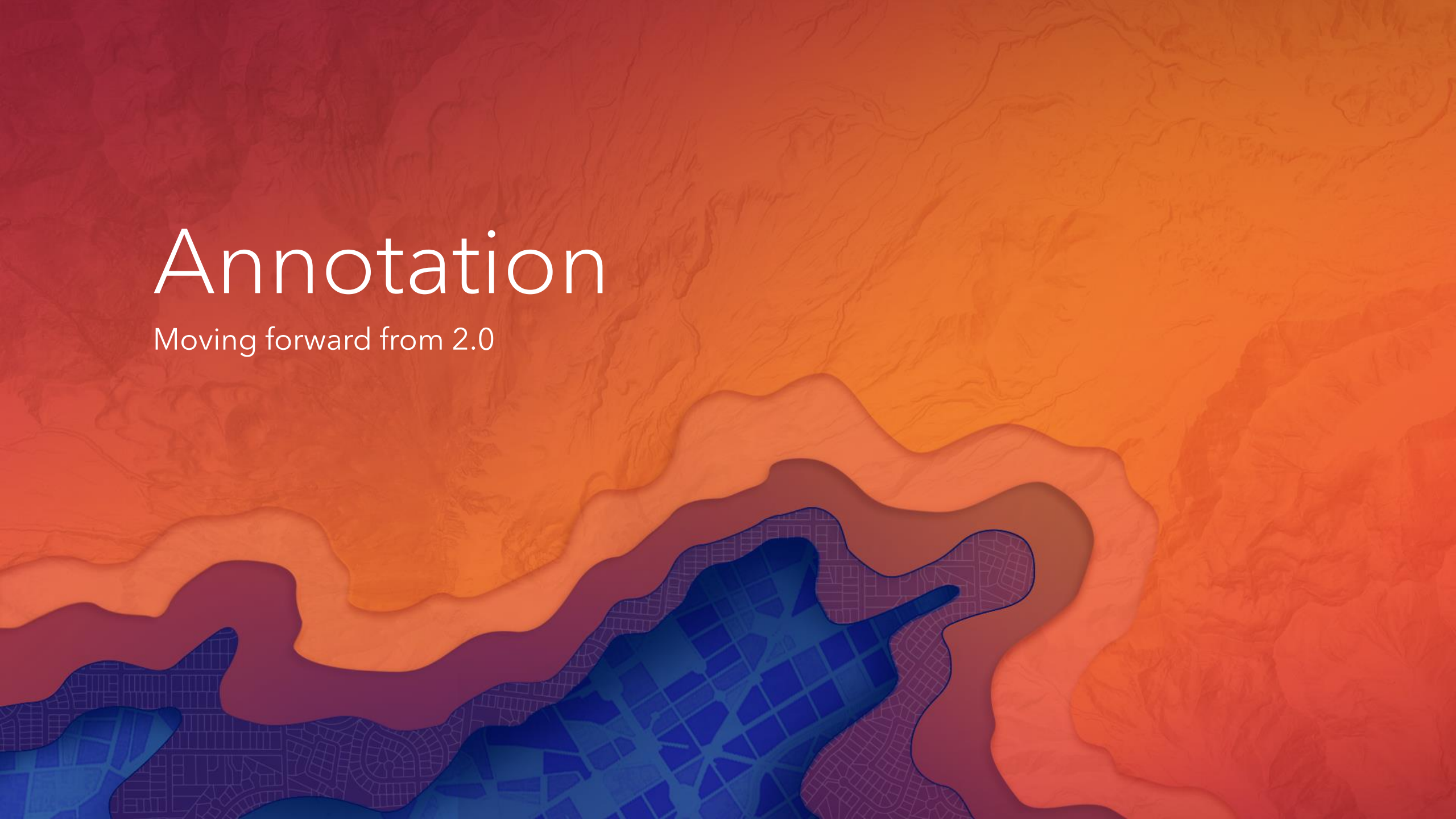


Labeling Demo

Text symbol
Label expression
SQL Query
Placement properties
Scale Range

Annotation

Moving forward from 2.0



Annotation

When should I use it?

- When you need to move individual pieces of text
- When you want to add text manually
- When you want text where there is no feature

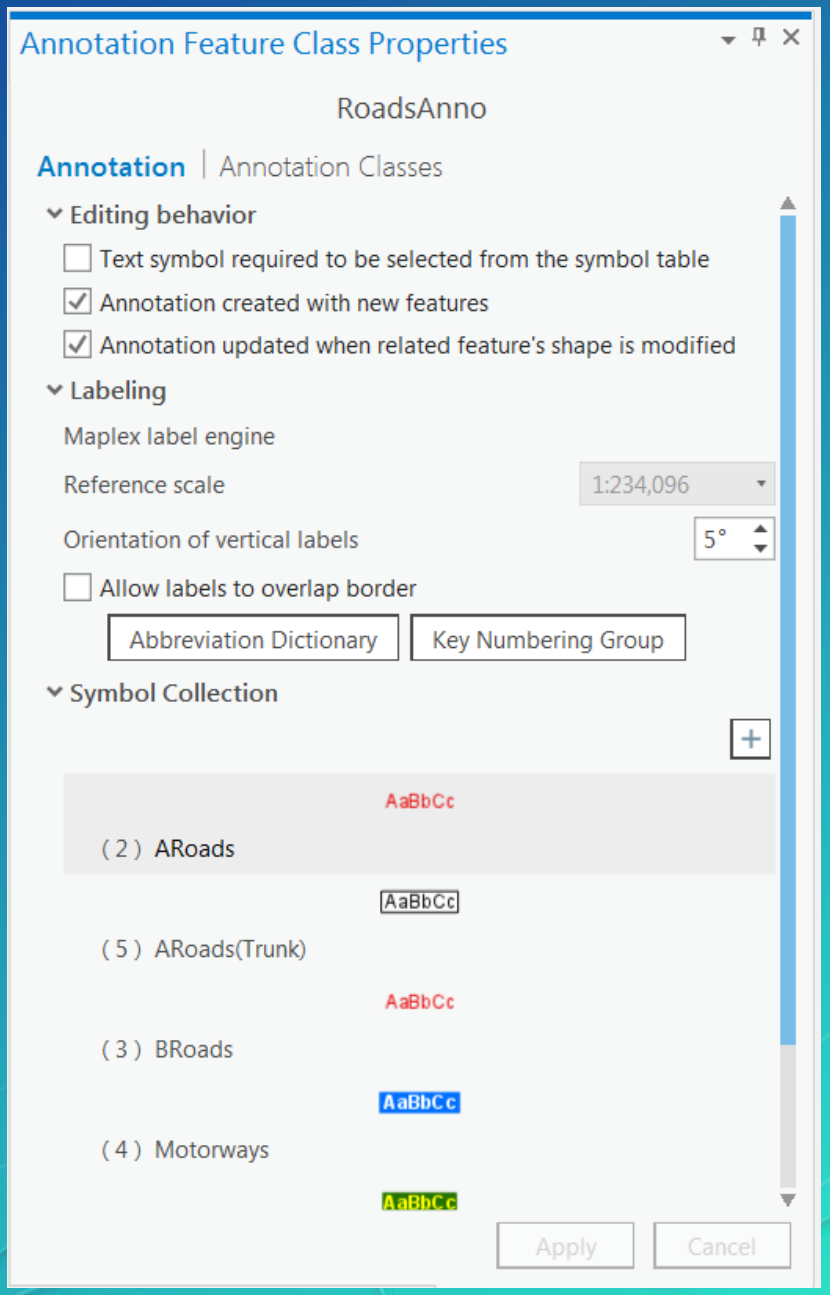
Annotation

What is it?

- Static text
- Text can be edited
- Can be created through converting labels

Unique properties of annotation

- Editing
- Storage
- Symbol Collection



Upgrading annotation

- Use ‘Upgrade dataset’ GP Tool
- Geodatabase annotation from ArcMap can be upgraded
- Map annotation is NOT supported

Backwards compatibility

- New and upgraded annotation is NOT compatible with ArcMap or earlier versions of ArcGIS Pro

Converting Labels to Annotation

Summary

Creation of labels

- Editing of labeling properties
- Creation of label classes

Creation on annotation

- Converting labels to annotation
- Editing
- Sharing annotation

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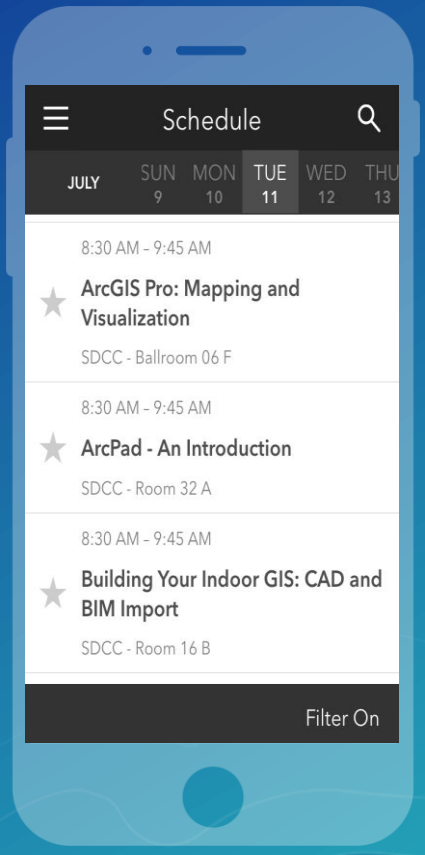
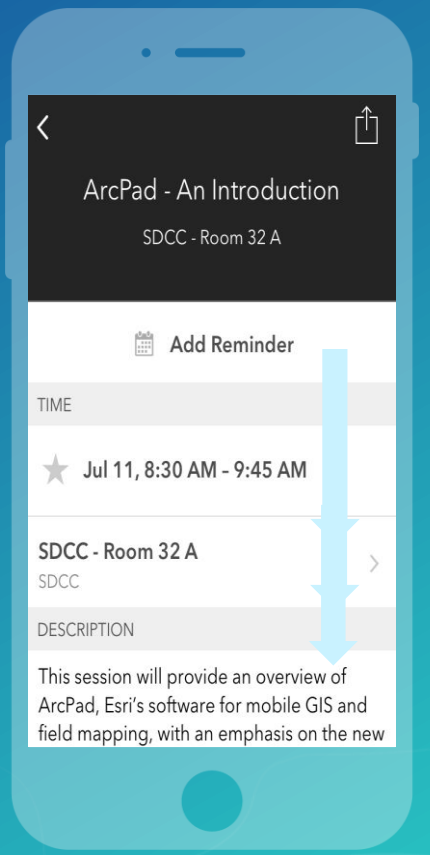
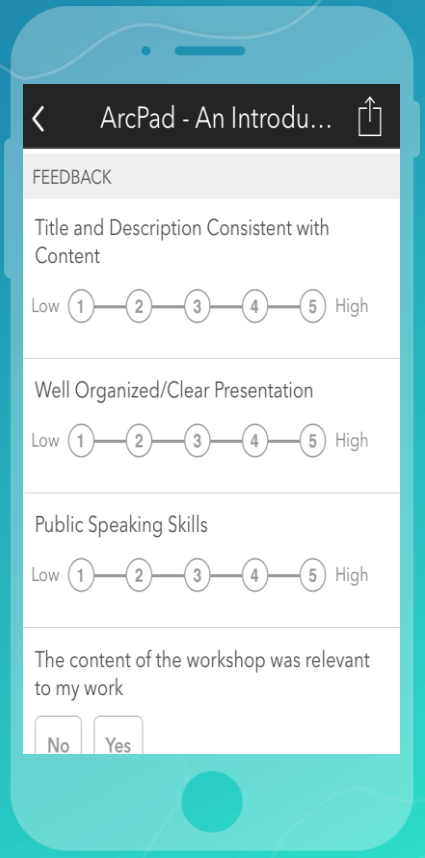


Scroll down to find the survey



Complete Answers and Select "Submit"



Related Presentations

Advanced Map Labeling Using Maplex

Tuesday 11th 3:15 PM - 4:30 PM : Room 03

Thursday 13th 3:15 PM - 4:30 PM : Room 05 A

ArcGIS Pro Editing: An Introduction

Tuesday 11th 10:15 AM - 11:30 AM : Ballroom 06 A

See us at the Mapping & Visualization area - Exhibit Hall B1/B2

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Annotation in ArcGIS Pro 2.0

Creation of annotation feature classes

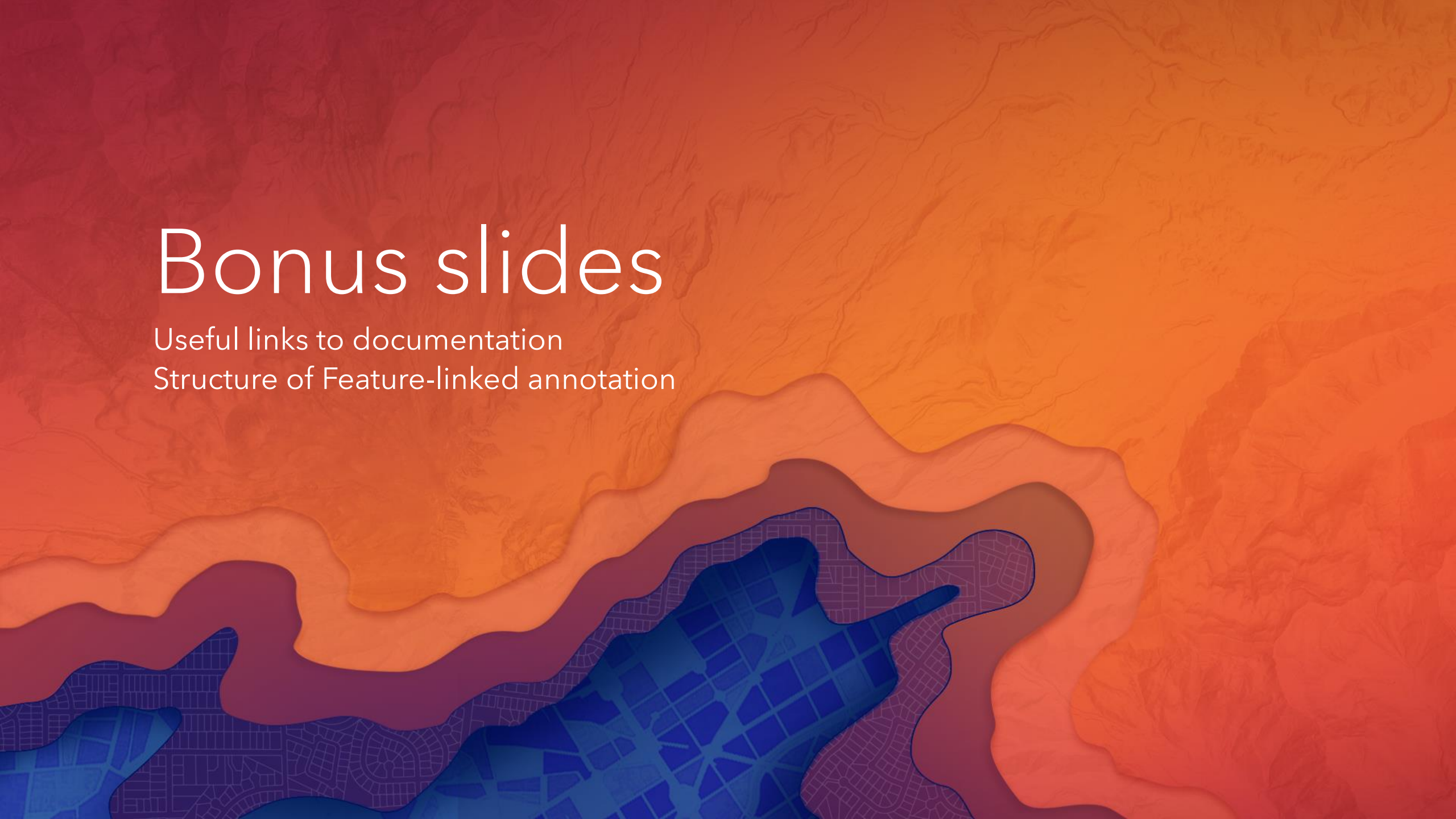
Creation of annotation features

Editing of annotation features

Editing of annotation feature classes

Bonus slides

Useful links to documentation
Structure of Feature-linked annotation



Annotation – Useful Links

General

- **Annotation help**: http://pro.arcgis.com/en/pro-app/help/data/annotation/annotation.htm
- **Create annotation feature classes help**: http://pro.arcgis.com/en/pro-app/help/data/annotation/creating-annotation-feature-classes.htm
- **Annotation feature class properties help**: http://pro.arcgis.com/en/pro-app/help/data/annotation/managing-annotation-feature-class-properties.htm
- **Convert labels to annotation help**: http://pro.arcgis.com/en/pro-app/help/mapping/text/converting-labels-to-annotation.htm
- **Convert labels to annotation tool**: http://pro.arcgis.com/en/pro-app/tool-reference/cartography/convert-labels-to-annotation.htm
- **Symbol substitution**: http://pro.arcgis.com/en/pro-app/help/mapping/text/display-geodatabase-annotation.htm

Annotation – Useful Links

Upgrade

- **Upgrade Annotation help:** http://pro.arcgis.com/en/pro-app/help/data/annotation/managing-annotation-feature-classes.htm#GUID-9035B765-7E33-47A7-854D-40E434FEB6BE
- **Upgrade Annotation warning**: http://pro.arcgis.com/en/pro-app/tool-reference/tool-errors-and-warnings/001001-010000/tool-errors-and-warnings-02126-02150-002145.htm
- **Upgrade Dataset tool**: http://pro.arcgis.com/en/pro-app/tool-reference/data-management/upgrade-dataset.htm

Annotation in ArcGIS Pro 2.0

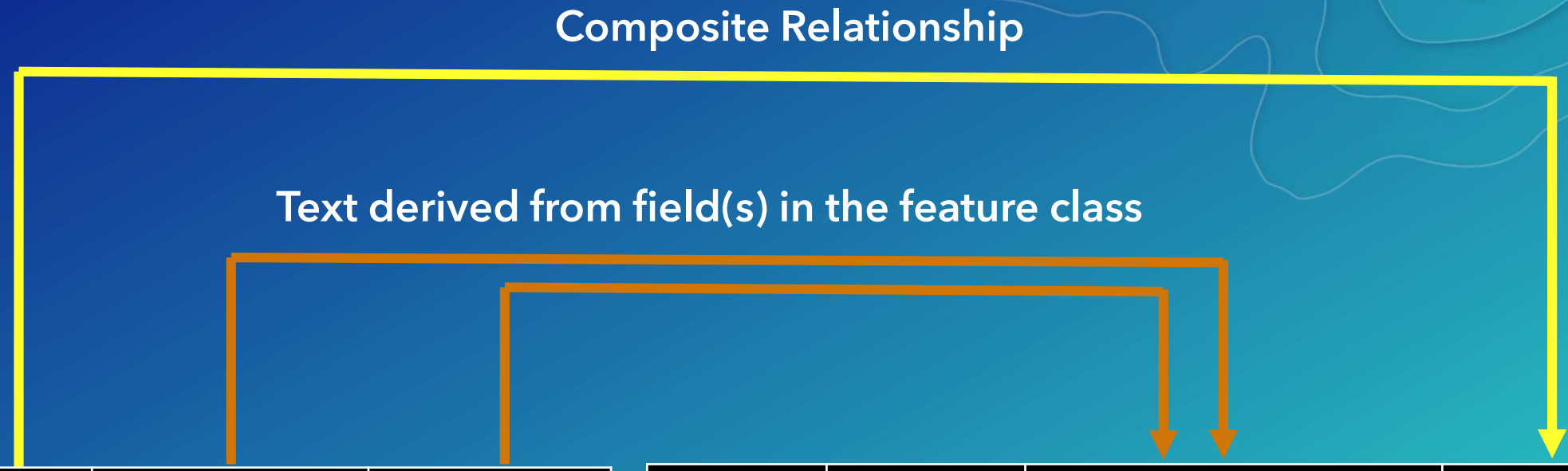
Creation of annotation feature classes	Converting labels to annotation Creating empty feature class from Catalog Pane
Creation of annotation features	Indirectly → Feature-linked updates Directly → Editing tool 'Create Features'
Editing of annotation features	Indirectly → Feature-linked updates Directly → Editing tools, attributes
Editing of annotation feature classes	Annotation feature class properties edited from the catalog pane in ArcGIS Pro

Maintenance of Annotation

Standard vs Feature-linked

- Standard
  - Text with a geographical location
- Feature-linked
  - Associated with another feature class

Feature-linked annotation



Shape	ObjectID	StreetName	TownName
Polyline	27	Cowbridge Rd	Cardiff
Polyline	28	Westgate Rd	Cardiff

Base Feature Class

Shape	ObjectID	TextString	FeatureID
Polygon	1	Cowbridge Rd, Cardiff	27
Polygon	2	Westgate Rd, Cardiff	28

Annotation Feature Class

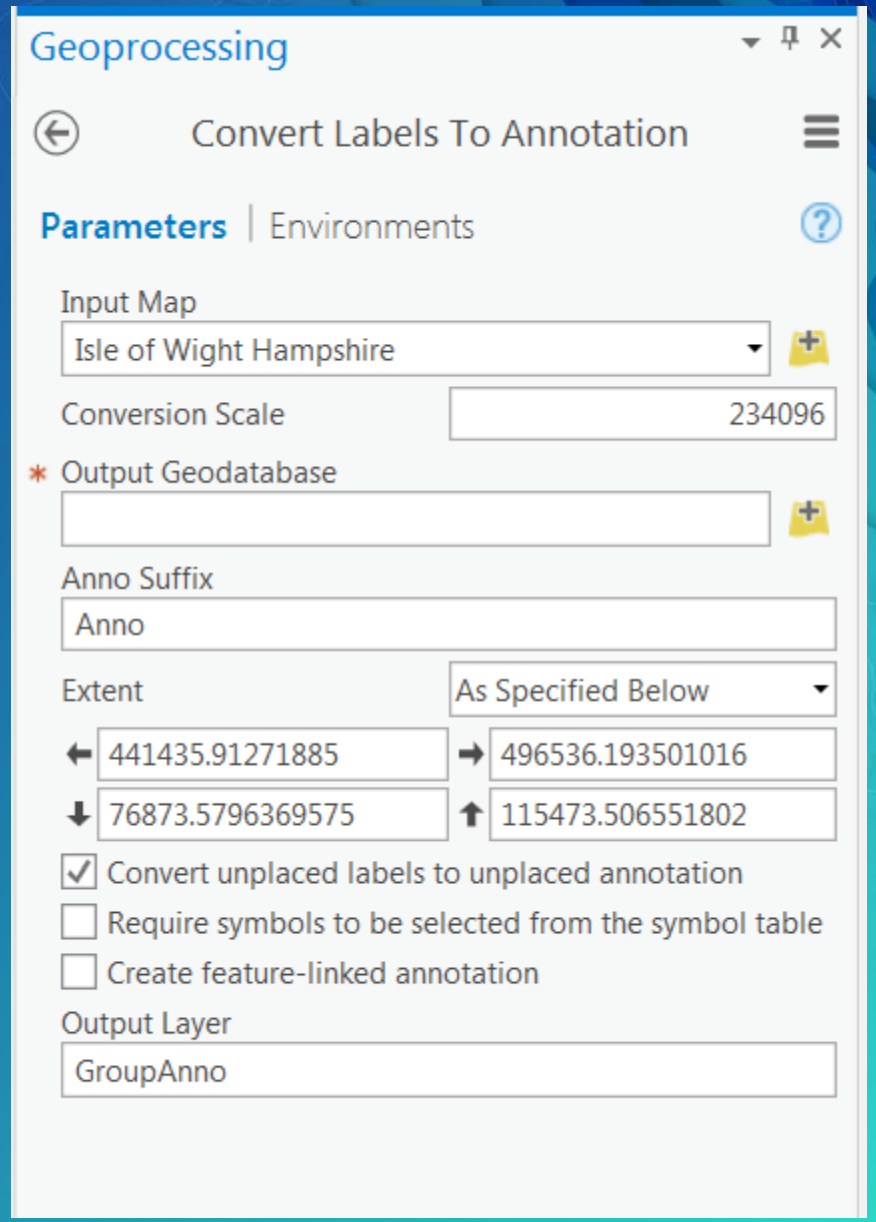
Cowbridge Rd, Cardiff

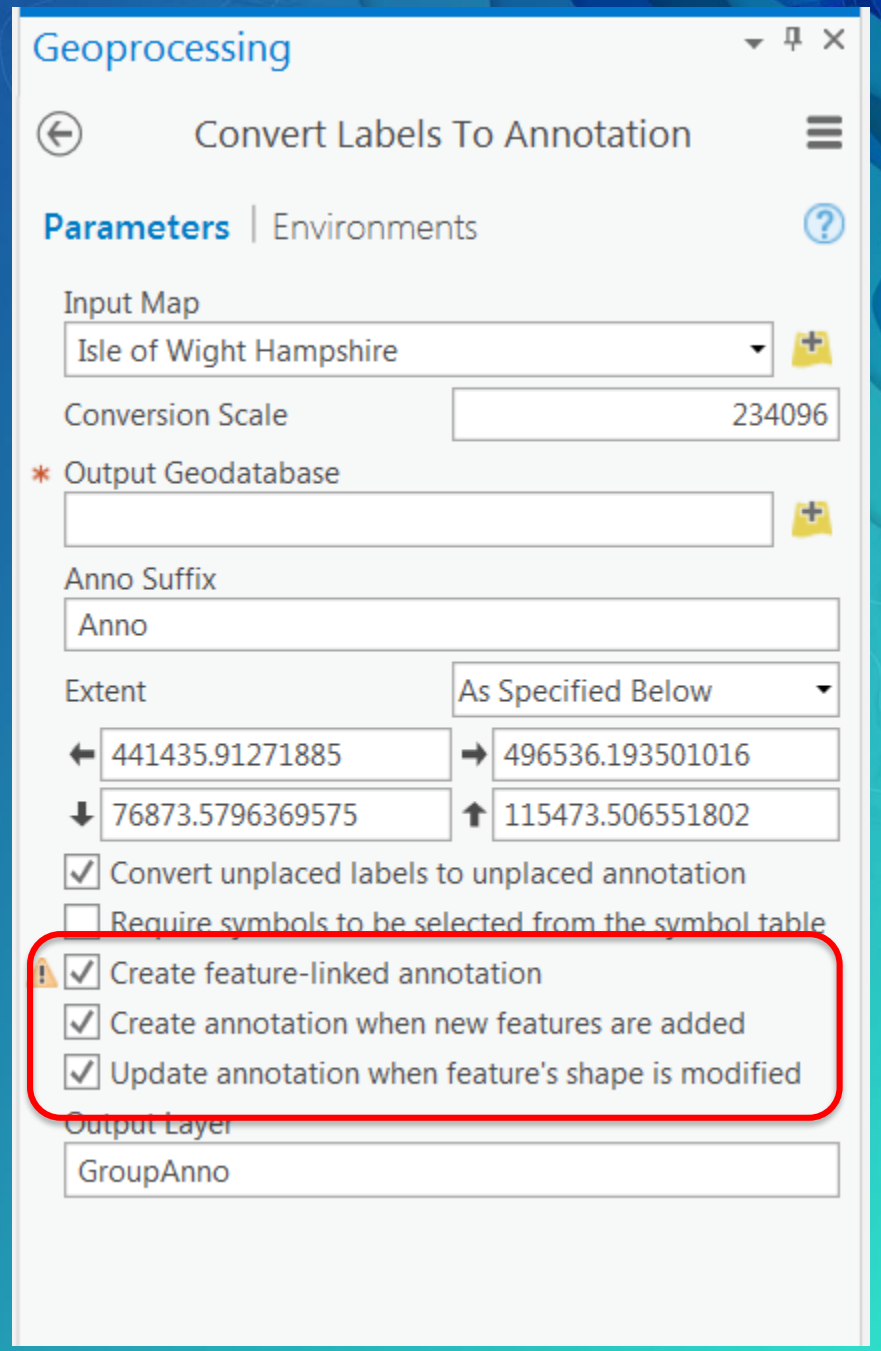
Westgate Rd, Cardiff

Convert Labels to Annotation

Geoprocessing tool

- Output Geodatabase
- Extent
- Feature-linked or standard



Feature-linked annotation

- Annotation updates with linked-feature
- Create annotation when new features are added
- Update annotation when feature's shape is modified