



Part One: Adding layers in ArcGIS Online New Map Viewer

This document contains step-by-step instructions on how to add feature layers to an ArcGIS Online map.

Adding layers

Adding Sketch layers

- Press the Sketch layer.
- (dropdown) button and select Create
- 2. Give your map note a name.
- 3. You can select a point, free-hand line, or area to note on the map.
- 4. Place the 'feature shape' wherever you want it to be located on the map.
- 5. Then, an additional window in the Settings toolbar will appear.
- 6. You can give your map note a title, enable pop ups, edit the symbol by selecting,
- 7. Press **CLOSE** when you are happy with your completed Sketch layer.

The map note will now appear in the Layers window (Contents toolbar in the right), alongside the map layers. You can tick the checkbox toturn the layer on and off.

Adding layers from the Living Atlas

Esri's Living Atlas includes maps, apps, and data layers to support your work. You can explore the Living Atlas with a search function.

1. Press the



Q Browse layers

2. Switch the lookup setting from My Content (Default) to Living Atlas:





My content v

	•	My content			
		My favorites			
e e		My groups			
		My organization			
5	٠	Living Atlas			
		ArcGIS Online			

3. You can search for a term in the **search bar** or **refine content** by category or country.



Living Atlas 🗸 🗸		Refine content ×	¢	
Q Search	나 아 나	Sort		
Recent Earthquakes		> Sort by		
3 July 2024 🥥 🥥		> Sort direction		
Esri +	- Add	Only show content within map area		
USA Short-Term Weather Warnings	A	Filters		
 Feature Layer 3 July 2024 		> Categories		
Fori L	Add	> Regions		
	Add	> Date modified		
Satellite (VIIRS) Thermal Hotspots and Fire Activity		> Date created		
 Feature Layer 3 July 2024 Q Q 		> Item type		
Gen Earl		> Tags		
tesri +	- Add	> Status		
USA Storm Reports				

- 4. If you want to find out more about a layer, you can click on it for more information.
- 5. To add a layer to the map, simply click the + Add icon in the bottom right corner.
- 6. For more information on some useful layers, concerning Human geography and Physical geography, please see the appendix section.

+ Add

Adding layers from your organisation

This search function may be useful if members from your organisation have created their own data layers; this data may be the result of a field survey for instance.

1. Press the

button and select **Browse for Layers**.

- 2. From the drop down, choose **My Organization**.
- 3. To add a layer to the map, simply hit the icon in the bottom right-hand corner.







Adding layers from ArcGIS Online Searching for layers on ArcGIS Online allows you to search for a range of data layers that have been made publicly available. ArcGIS Online has layers specific to local, regional, state, national and international levels.

- 1. Press the button and select **Search for Layers**.
- 2. From the drop down, choose ArcGIS Online.
- 3. To add a layer to the map, simply hit the icon in thebottom right-hand corner.

Add layers from the web

There are a host of open data sources that are available for public use. Data from these sources can be in the form of spreadsheets, tiles and maps.

- 1. Press the button and select **Add Layer from URL**.
- 2. You can add data from the following types of servers and files:
 - ✓ ArcGIS Web Server
 - ✓ WMS Server
 - ✓ WMTS Server
 - ✓ WFS Server
 - ✓ A Tile layer
 - 🗸 A KML
 - ✓ A GeoRSS
 - ✓ A CSV
- 3. Copy the URL* into the space provided.
- 4. Make sure to select the correct server or file from the drop down.
- 5. Click next and the layer will be added to your map.

*Where do I get the URL from?

Open data sources like National Map (<u>https://nationalmap.gov.au/</u>) are a great place to start. Look for the layer information and within this is usually the feature service URL. See if the acronym matches the above list and if so, copy the URL into ArcGIS Online.

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e	My groups	
L	My organization	
•	Living Atlas	
	ArcGIS Online	





Adding layers from a Shapefile

A shapefile is a data storage format. It is a zip file that can contain different extensions (.shp, .shx, .dbf, .prj). Open data sources such as Data.Gov (<u>https://search.data.gov.au/</u>) provide shapefiles as an option to download. Shapefiles are often referred to as SHP.

		Queensland transport regional boundaries
		Transport and Main Roads
		Queensland Transport (former) is broken into 5 operational areas - Northern, Southern, Central, South East Queensland (South), South East Queensland (
		Dataset Updated 17/03/2017 Open Data Quality: ★★★☆☆ ⑦ 🖻 SHP
1.	Press the	+ Add button and select Add Layer from File.
2.	Select to l	ocation where you stored your shapefile, in this case is Your device option.

- 3. Select the compressed folder (ZIP format) in which you stored all the Shapefile components* and press Next. Then assign the saving configurations related to the hosted feature class and then click in: Create and add to map.
- If the Shapefile is too large, you will need to 'host' it in your ArcGIS account. Do this from the Content page of ArcGIS Online (see 'Styling layers' below), then add the layer as a web layer.

Content	
🛨 New item	🔡 Create app



Appendix

Some of our favourite Living Atlas layers:

Human Geography	Physical Geography
Australia Average Household Size	World Distance to Water
 Australia Average Annual Rent 	Urban Water Stress
Australia Population Over 65	Degree of Water Stress
Australia Population Under 15	 Actual Evapotranspiration
 Population Density Around the Globe 	Landforms of The World
Global Human Footprint Index	World lithology
Undernourished Population by Country	 Seamounts, Vents and Seeps
Transit Access	Recent Earthquakes
Armed Conflict Location Event Data	Major Earthquakes
Global Social Progress Index	 World Temperature Change Scenario
World Port Index	World Precipitation Change Scenario
Women as Speaker Of At Least One House of	World Bioclimates
Parliament, 2017	Seafloor Temperature
 Percent of Coast Densely Populated 	Sea Surface Temperature
Malaria Prevalence Among Children in	Tree Cover Loss
Africa, 2015	Biodiversity Hot Spots (2016)
Change in Malaria Prevalence Among	 Percent of High-Impact Coral Bleaching
Children in Africa, 2000 to 2015	Events
Significant Fossil Sites	 Percent of Coral Reefs at Risk
 Highway Access Oceania 	Cold Water Reefs
	Major Global Cyclones 1924-2014
	Major Ocean Currents

Note: Because of the overlap between different units and different subjects, these layers have been split into human and physical geography categories as opposed to year levels.

Found another Living Atlas layer we love? Email <u>education@esriaustalia.com.au</u> to have it added.

Next Steps:

Request a free ArcGIS Online Account for your school:

Australian schools can request a free ArcGIS Online account as part of Esri Australia's Classroom GIS Initiative. A school subscription provides additional map layers, content, features and privacy. Learn more about ArcGIS Online, and apply for your ArcGIS Online School subscription at http://esriaustralia.com.au/education

Speak to Esri Australia's Education Program Manager:

Australian schools can seek additional support or speak to our Education Program Manager by emailing education@esriaustralia.com.au.



Part two: Adding layers in ArcGIS Online Map Viewer Classic

This document contains step-by-step instructions on how to add feature layers to an ArcGIS Online map in the classic Map viewer version.

Adding layers

Adding Map Notes

- 1. Press the ^{Add} button and select Add Map Notes.
- 2. Give your map note a name.
- 3. You can select a point, free-hand line, or area to note on the map.
- 4. Place the 'feature shape' wherever you want it to be located on the map.
- 5. Then, an additional window will appear.
- 6. You can give your map note a title, description, add a website hyperlink or image. You may also edit the symbol by selecting **CHANGE SYMBOL**.
- 7. Press **CLOSE** when you are happy with your completed map note.

Points	
Title	Holland Park West Busway B I U △ マ II マ I 프 프 프 I I Ξ
Description	:= 환호 최 한 영 Students can catch a bus or hop off a bus at the busway.
Image URL Image Link URL	
DELETE	CHANGE SYMBOL CLOSE

The map note will now appear in the Content window, alongside the map layers. You can tick the checkbox to turn the layer on and off.

Adding layers from the Living Atlas

Esri's Living Atlas includes maps, apps, and data layers to support your work. You can explore the Living Atlas with a search function.

- 1. Press the ^{Add} button and select **Browse Living Atlas**.
- 2. You can search for a term in the search bar or filter by category or country.



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Infrastructure (737)

- 3. If you want to find out more about a layer, you can click on it for more information.
- 4. To add a layer to the map, simply click the \oplus icon in the bottom right corner.
- 5. For more information on some useful layers, concerning Human geography and Physical geography, please see the appendix section.

Adding layers from your organisation

This search function may be useful if members from your organisation have created their own data layers; this data may be the result of a field survey for instance.

- 1. Press the Add button and select Search for Layers.
- 2. From the drop down, choose **My Organization**.

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3. To add a layer to the map, simply hit the \bigoplus icon in the bottom right hand corner

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		ArcGIS Online	(Ð



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 - ✓ WMTS Server
 - ✓ WFS Server
 - ✓ A Tile
 - ✓ A KML
 - ✓ A GeoRSS
 - ✓ A CSV
- 3. Copy the URL* into the space provided.
- 4. Make sure to select the correct server or file from the drop down.
- 5. Select Add Layer

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	A WIVIS OGC WED Service		
	A WMTS OGC Web Service		1
	A WFS OGC Web Service		
	A Tile Layer		
	A KML File		
	A GeoRSS File		
	A CSV File		
,	An ArcGIS Server Web Service	-	

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- 1. Press the ^{Add} button, and select **Add Layer from File**.
- 2. Select the Shapefile* and press import.
- 3. If the Shapefile is too large, you will need to 'host' it in your ArcGIS account. Do this from the Content page of ArcGIS Online (see 'Styling layers' below), then add the layer as a web layer.





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