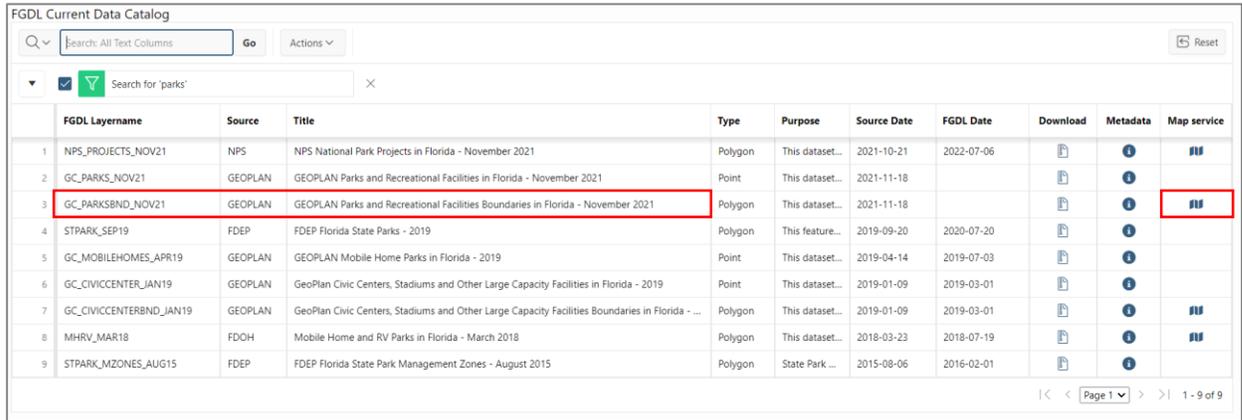


How to Add an FGDL Map Service Connection in QGIS 3.x

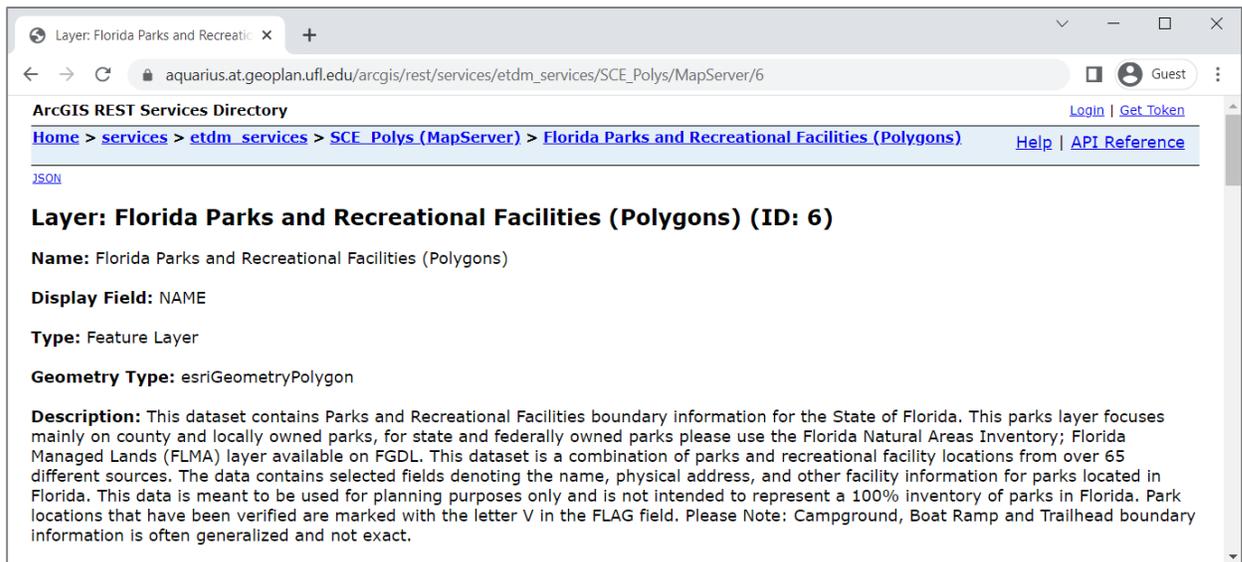
(1) From the FGDL Data Catalog, search for a layer of interest and select the **Map service** icon.



The screenshot shows the 'FGDL Current Data Catalog' interface. A search bar at the top contains 'Search: All Text Columns' and a 'Go' button. Below the search bar, a dropdown menu is set to 'Search for 'parks''. A table lists search results with columns: FGDL Layername, Source, Title, Type, Purpose, Source Date, FGDL Date, Download, Metadata, and Map service. The third row, 'GC_PARKS_BND_NOV21', is highlighted with a red box, and its 'Map service' icon is also highlighted with a red box.

	FGDL Layername	Source	Title	Type	Purpose	Source Date	FGDL Date	Download	Metadata	Map service
1	NPS_PROJECTS_NOV21	NPS	NPS National Park Projects in Florida - November 2021	Polygon	This dataset...	2021-10-21	2022-07-06			
2	GC_PARKS_NOV21	GEOPLAN	GEOPLAN Parks and Recreational Facilities in Florida - November 2021	Point	This dataset...	2021-11-18				
3	GC_PARKS_BND_NOV21	GEOPLAN	GEOPLAN Parks and Recreational Facilities Boundaries in Florida - November 2021	Polygon	This dataset...	2021-11-18				
4	STPARK_SEPT19	FDEP	FDEP Florida State Parks - 2019	Polygon	This feature...	2019-09-20	2020-07-20			
5	GC_MOBILEHOMES_APR19	GEOPLAN	GEOPLAN Mobile Home Parks in Florida - 2019	Point	This dataset...	2019-04-14	2019-07-03			
6	GC_CIVICCENTER_JAN19	GEOPLAN	GeoPlan Civic Centers, Stadiums and Other Large Capacity Facilities in Florida - 2019	Point	This dataset...	2019-01-09	2019-03-01			
7	GC_CIVICCENTERBND_JAN19	GEOPLAN	GeoPlan Civic Centers, Stadiums and Other Large Capacity Facilities Boundaries in Florida - ...	Polygon	This dataset...	2019-01-09	2019-03-01			
8	MHRV_MAR18	FDOH	Mobile Home and RV Parks in Florida - March 2018	Polygon	This dataset...	2018-03-23	2018-07-19			
9	STPARK_MZONES_AUG15	FDEP	FDEP Florida State Park Management Zones - August 2015	Polygon	State Park ...	2015-08-06	2016-02-01			

(2) This will open the layer's **ArcGIS REST Services Directory** in a browser.



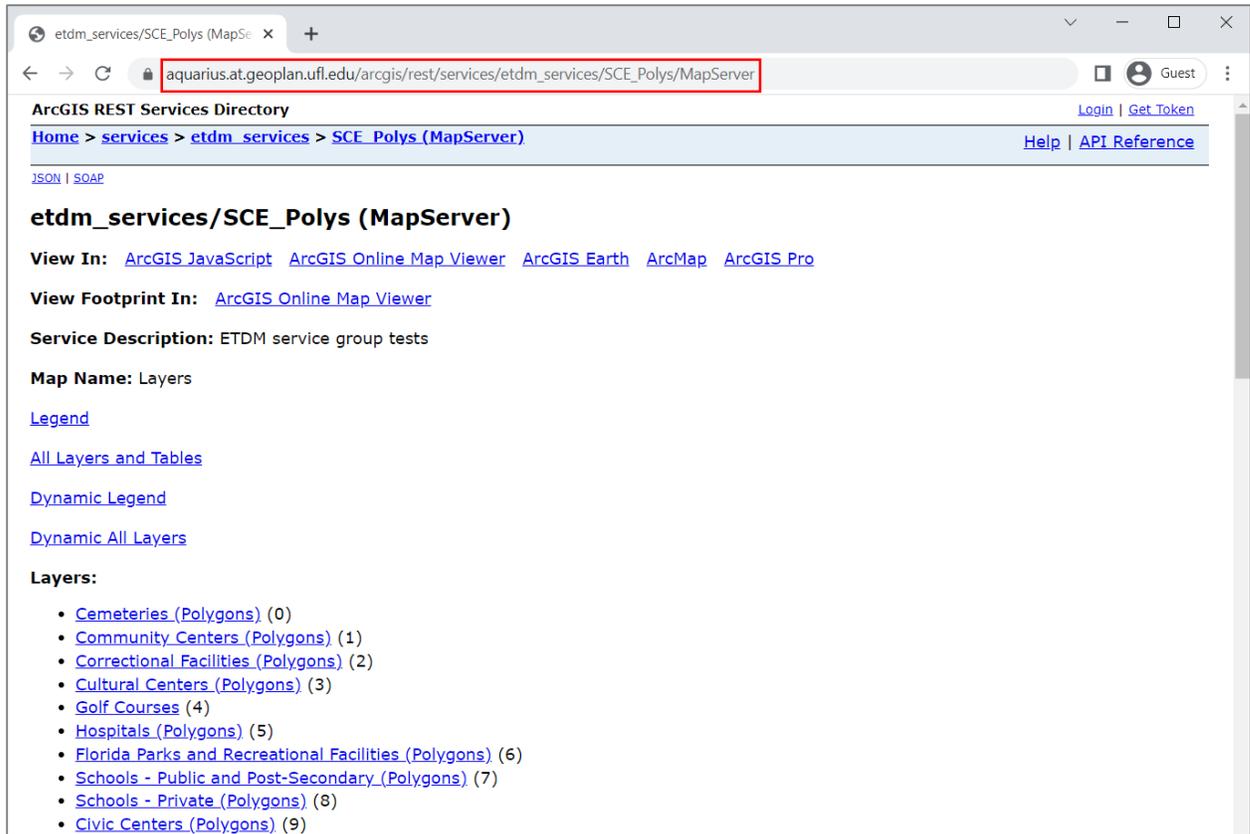
The screenshot shows a web browser window displaying the ArcGIS REST Services Directory. The breadcrumb navigation is: Home > services > etdm_services > SCE_Polys (MapServer) > Florida Parks and Recreational Facilities (Polygons). The page title is 'Layer: Florida Parks and Recreational Facilities (Polygons) (ID: 6)'. The 'Name' is 'Florida Parks and Recreational Facilities (Polygons)', 'Display Field' is 'NAME', 'Type' is 'Feature Layer', and 'Geometry Type' is 'esriGeometryPolygon'. A detailed description follows, explaining the dataset's scope and usage.

(3) Navigate one level up in the ArcGIS REST Services Directory to view the information for the map server that the feature layer belongs to.

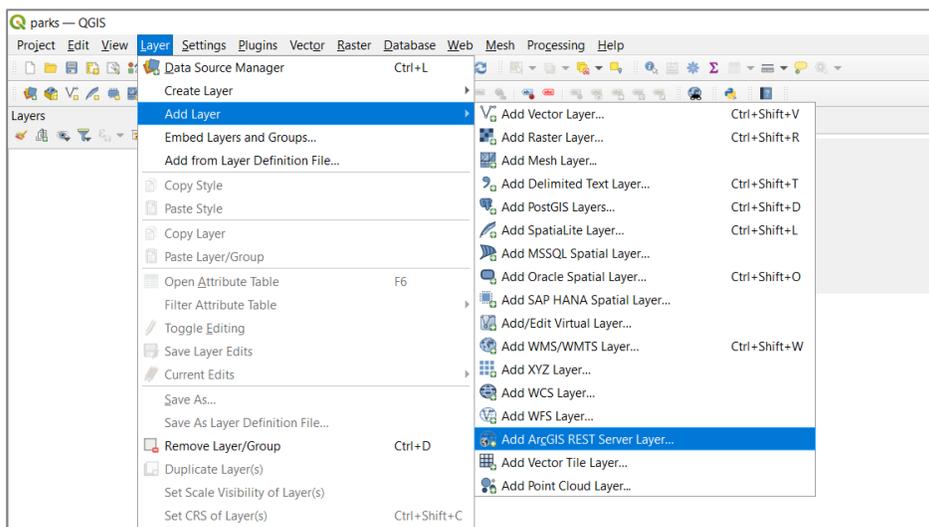


The screenshot shows the ArcGIS REST Services Directory page for the 'SCE_Polys (MapServer)' map server. The breadcrumb navigation is: Home > services > etdm_services > SCE_Polys (MapServer) > Florida Parks and Recreational Facilities (Polygons). The page title is 'Layer: Florida Parks and Recreational Facilities (Polygons) (ID: 6)'. The 'Name' is 'Florida Parks and Recreational Facilities (Polygons)', 'Display Field' is 'NAME', 'Type' is 'Feature Layer', and 'Geometry Type' is 'esriGeometryPolygon'. A detailed description follows, explaining the dataset's scope and usage.

- (4) Notice that the feature layer has an ID number (6), and is one among several feature layers in the map server. The URL of the map server will be used to connect to the feature layer in a later step. Keep this tab open for now.



- (5) In QGIS, open a new project and go to **Layer >> Add Layer >> Add ArcGIS REST Server Layer**



- (6) To create a new connection, give the server connection a name and copy and paste the map server URL (from Step 4 above) into the **URL** field. Next, click **OK**.

Connection Details

Name: Parks

URL: https://aquarius.at.geoplan.ufl.edu/arcgis/rest/services/etdm_services/SCE_Polys/MapServer

ArcGIS Portal Details

Community endpoint URL: https://mysite.com/portal/sharing/rest/community/

Content endpoint URL: https://mysite.com/portal/sharing/rest/content/

Authentication

Configurations Basic

Choose or create an authentication configuration

No Authentication

Configurations store encrypted credentials in the QGIS authentication database.

HTTP

Referer

OK Cancel Help

- (7) From the server connections menu, select the connection and click **Connect**

Data Source Manager | ArcGIS REST Server

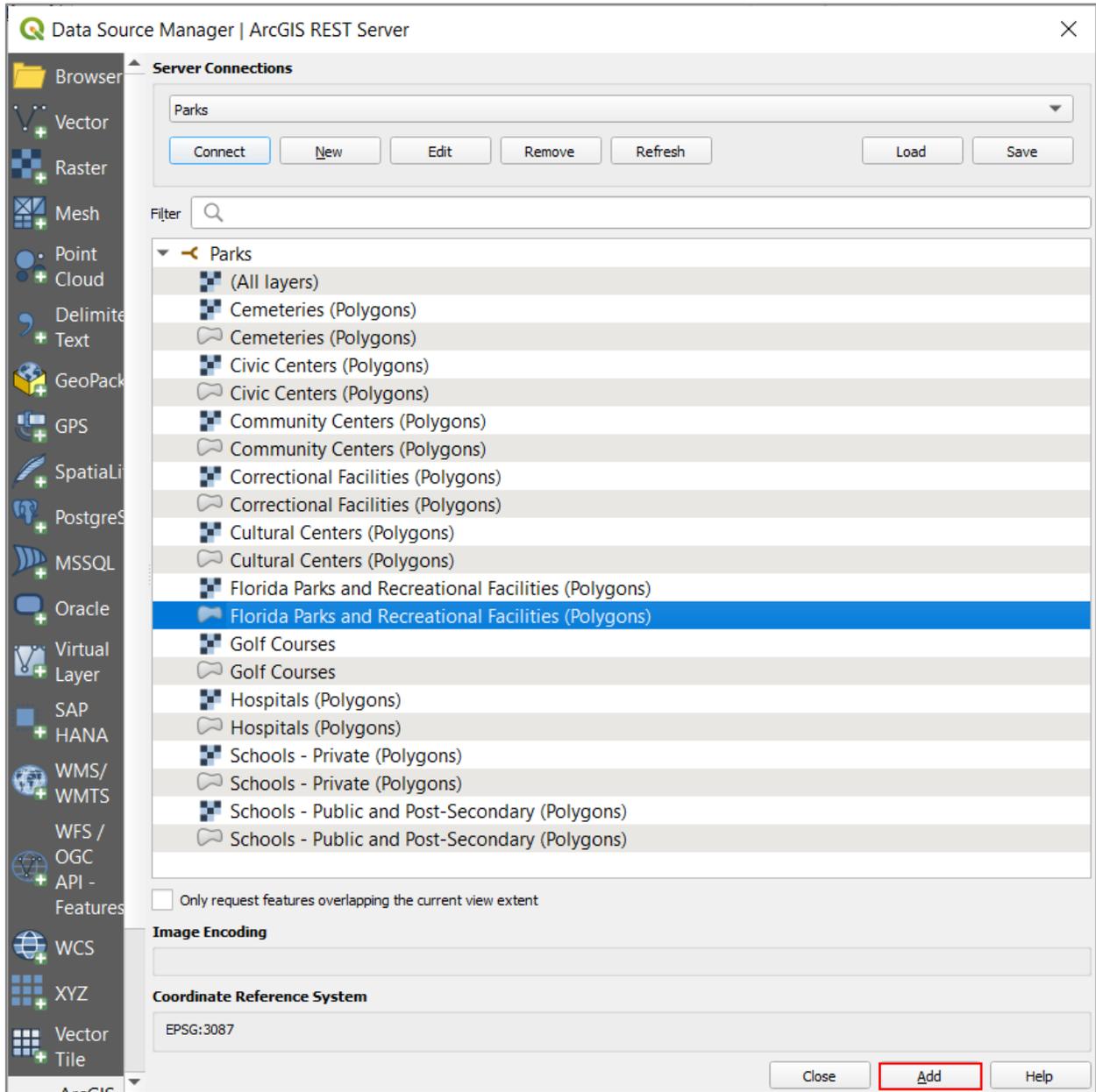
Server Connections

Parks

Connect New Edit Remove Refresh Load Save

Filter

(8) Select the layer of interest in the map server connection and click **Add** to add them to the map.



(9) The layer will then be added to the map

