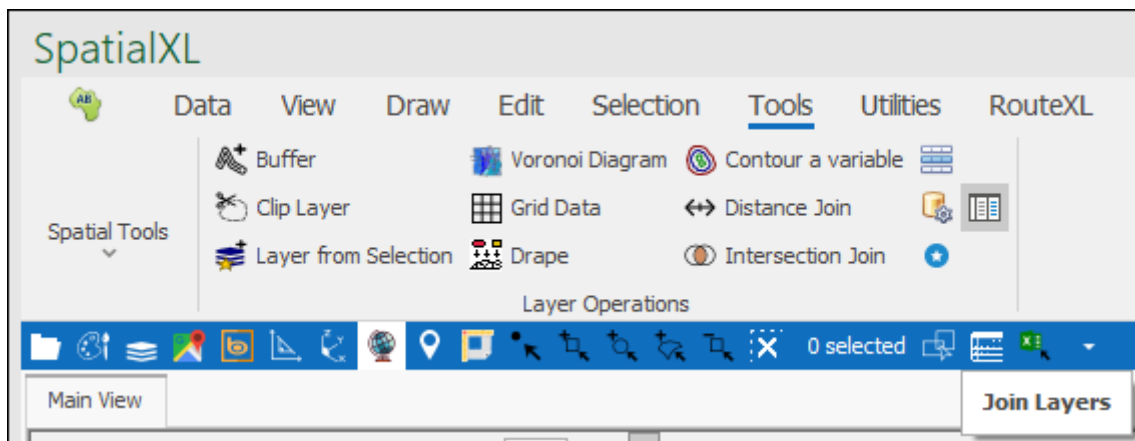




Join Layers User Guide

The **Join Layers** tool is a tool in all our spatial products that allows you to join one layer to another, bringing in whatever data you choose from one layer to the other. It can be found in the following location (It is represented as an icon, on the far right):



Clicking on it brings up the following dialogue:

Join Layers [X]

Layer to Join to: RetailOutlets

☐ Join selected only ☐ Create new layer

Using Layer Using ShapeFile

Layer: RetailOutlets

☐ Use selected features only

Columns to add in join				
	Column	New Column	Use	Link
▼	R B C	R B C	<input checked="" type="checkbox"/>	R B C
▶	ActualGeometry	ActualGeometry	<input type="checkbox"/>	<None>
	Row	Row	<input type="checkbox"/>	<None>
	CODE	CODE	<input type="checkbox"/>	<None>
	CUSTOMER NAME	CUSTOMER NAME	<input type="checkbox"/>	<None>
	LONGITUDE	LONGITUDE	<input type="checkbox"/>	<None>
	LATITUDE	LATITUDE	<input type="checkbox"/>	<None>
	PROVINCE	PROVINCE	<input type="checkbox"/>	<None>

Join

Firstly, select the layer you want to join to by **Layer to Join to:**

Join Layers [X]

Layer to Join to: RetailOutlets

Using Layer Using ShapeFile

Layer: Sub_Places.shp

Next, choose which layer you are using for the join in the **Using Layer** tab by **Layer:**

Using Layer Using ShapeFile

Layer: Sub_Places.shp

Next, you need to specify what columns you want to add in the layer you are using to the layer you are joining to, this is done in the **Columns to add in join** grid under **Use**, tick on the column/s you want:

Columns to add in join				
	Column	New Column	Use	Link
▼	RBC	RBC	<input checked="" type="checkbox"/>	RBC
	MP_CODE	MP_CODE	<input type="checkbox"/>	<None>
	MP_NAME	MP_NAME	<input type="checkbox"/>	<None>
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	<None>
	DISTRICT_M	DISTRICT_M	<input type="checkbox"/>	<None>
	PROVINCE	PROVINCE	<input type="checkbox"/>	<None>
	SP Store_Count	SP Store_Count	<input checked="" type="checkbox"/>	<None>
	TOTAL VOLU	TOTAL VOLU	<input type="checkbox"/>	<None>

Join

Clicking on the square at the top filters out all the columns you haven't selected and clicking on it again filters out all the columns you have selected:

	Column	New Column	Use	Link
▼	RBC	RBC	<input type="checkbox"/>	RBC
	MP_CODE	MP_CODE	<input type="checkbox"/>	<None>
	MP_NAME	MP_NAME	<input type="checkbox"/>	<None>
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	<None>
	DISTRICT_M	DISTRICT_M	<input type="checkbox"/>	<None>
	PROVINCE	PROVINCE	<input type="checkbox"/>	<None>
	TOTAL VOLU	TOTAL VOLU	<input type="checkbox"/>	<None>

X ☒ [Use] = 'Unchecked'
 Edit Filter

	Column	New Column	Use	Link
▼	ABC	ABC	<input checked="" type="checkbox"/>	ABC
	SP Store_Count	SP Store_Count	<input checked="" type="checkbox"/>	<None>
<div> × <input checked="" type="checkbox"/> [Use] = 'Checked' Edit Filter </div>				

Clicking on it once more puts it back to normal:

	Column	New Column	Use	Link
▼	ABC	ABC	<input type="checkbox"/>	ABC
	MP_CODE	MP_CODE	<input type="checkbox"/>	<None>
	MP_NAME	MP_NAME	<input type="checkbox"/>	<None>
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	<None>
	DISTRICT_M	DISTRICT_M	<input type="checkbox"/>	<None>
	PROVINCE	PROVINCE	<input type="checkbox"/>	<None>
	SP Store_Count	SP Store_Count	<input checked="" type="checkbox"/>	<None>
	TOTAL VOLU	TOTAL VOLU	<input type="checkbox"/>	<None>

Under **New Column** you can change the name of the column that will be brought in if you want:

	Column	New Column	Use	Link
▼	ABC	ABC	<input type="checkbox"/>	ABC
	MP_CODE	MP_CODE	<input type="checkbox"/>	<None>
	MP_NAME	MP_NAME	<input type="checkbox"/>	<None>
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	<None>
	DISTRICT_M	DISTRICT_M	<input type="checkbox"/>	<None>
	PROVINCE	PROVINCE	<input type="checkbox"/>	<None>
	SP Store_Count	SubPlace Store_Count	<input checked="" type="checkbox"/>	<None>
	TOTAL VOLU	TOTAL VOLU	<input type="checkbox"/>	<None>

The next thing to do is to specify a link between the two layers, this will be a unique identifier that both layers share, this will enable the columns that are

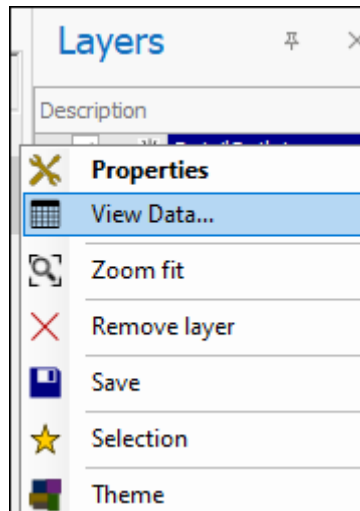
brought in to match up to the columns in the other layer. This is done by clicking under **Link** in the box adjacent to the column that contains the unique identifier and then selecting the corresponding column in the layer you are joining to in the dropdown list:

	Column	New Column	Use	Link
▼	R B C	R B C	<input checked="" type="checkbox"/>	R B C
	Geometry	Geometry	<input type="checkbox"/>	<None>
	OBJECTID	OBJECTID	<input type="checkbox"/>	<None>
	SP_CODE	SP_CODE	<input type="checkbox"/>	SP CODE
	SP_NAME	SP_NAME	<input type="checkbox"/>	REP CODE
	MP_CODE	MP_CODE	<input type="checkbox"/>	CALL DAY
	MP_NAME	MP_NAME	<input type="checkbox"/>	SP CODE
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	SP NAME
				MP CODE

Finally click **Join**:

	Column	New Column	Use	Link
▼	R B C	R B C	<input checked="" type="checkbox"/>	R B C
	Geometry	Geometry	<input type="checkbox"/>	<None>
	OBJECTID	OBJECTID	<input type="checkbox"/>	<None>
	SP_CODE	SP_CODE	<input type="checkbox"/>	SP CODE
	SP_NAME	SP_NAME	<input type="checkbox"/>	<None>
	MP_CODE	MP_CODE	<input type="checkbox"/>	<None>
	MP_NAME	MP_NAME	<input type="checkbox"/>	<None>
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	<None>
				Join

Your layers have now been joined, right click on the layer that you joined to and select **View Data**:



This will bring up the layer data grid and you can then see the columns that were added to the layer in the join:

DOMINANT LSM	DOMINANT RACE	Sub Place Store_Count
=	rac	=
10	WHITE	13
9	WHITE	8
9	WHITE	8
6	COLOURED	55
5	BLACK	12
10	WHITE	30
6	BLACK	2
9	BLACK	9
6	BLACK	71
6	COLOURED	76
10	WHITE	11
10	BLACK	30
7	COLOURED	

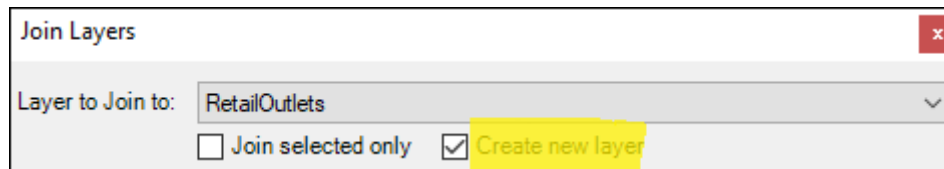
If you only want to join to selected elements in a layer, make sure to have **Join selected only** ticked on:

Join Layers
x

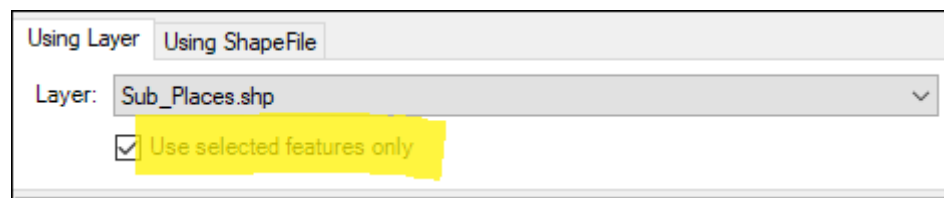
Layer to Join to: RetailOutlets

☒ Join selected only
☐ Create new layer

If you would like a new layer to be created out of the join, then make sure to have **Create new layer** ticked on:



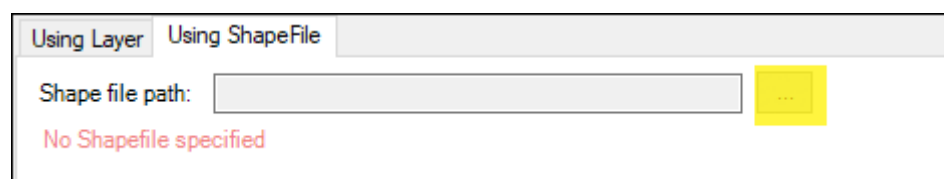
If you want to use selected features only in the join, make sure to have **Use selected features only** ticked on:

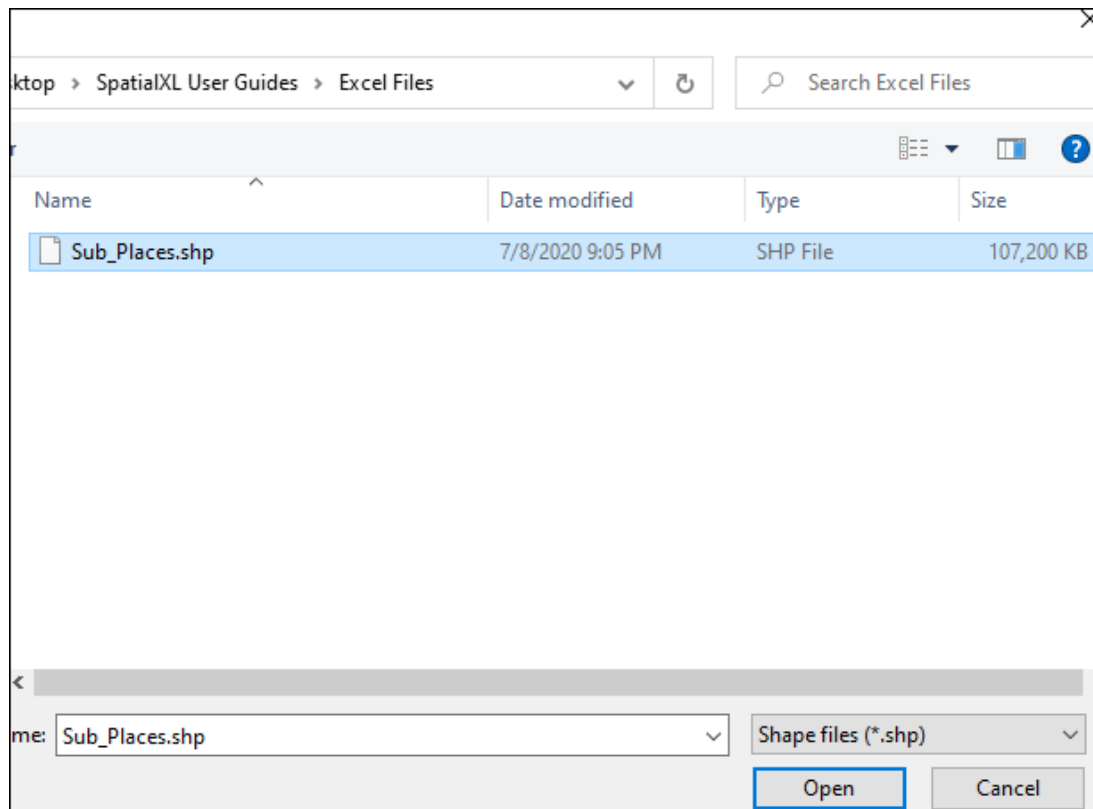


In doing a join you also have the option of joining a layer to a Shapefile, this is done in the **Using Shapefile** tab:

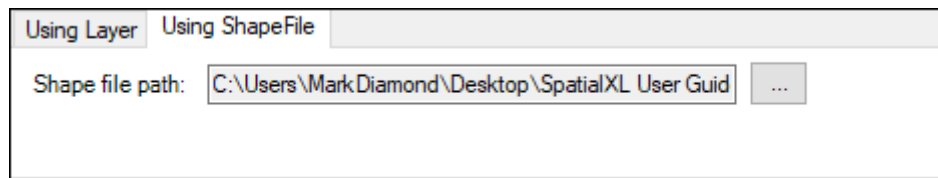


Browse to the Shapefile you want to join to by clicking the little box with the three dots on the right:





And click **Open**.



Then you just follow the same steps as above choosing your columns you'd like to bring in etc.:

Columns to add in join				
	Column	New Column	Use	Link
▼	REC	REC	<input type="checkbox"/>	REC
✎	SP_NAME	SP_NAME	<input type="checkbox"/>	<None>
	MP_CODE	MP_CODE	<input type="checkbox"/>	<None>
	MP_NAME	MP_NAME	<input checked="" type="checkbox"/>	<None>
	LOCAL_MUNI	LOCAL_MUNI	<input type="checkbox"/>	<None>
	DISTRICT_M	DISTRICT_M	<input type="checkbox"/>	<None>
	PROVINCE	PROVINCE	<input checked="" type="checkbox"/>	<None>
	Store_Coun	Store_Coun	<input type="checkbox"/>	<None>

Support

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