Searching For Data in QGIS

Data layers can be searched in a number of ways. The simple search allows you to search for individual text or numbers that appear in the attributes table of the layer. Search Query Builder and Query Builder both enable increasingly sophisticated searches with the ability to use equations and operators, but vary in the way the search results are displayed.

Simple Search

- 1. Open the attribute table for the required layer by right clicking the layer name and selecting *Open Attribute Table.*
- 2. In the *Look for* text box at the bottom of the screen type the text you are looking for (for example for Lot number 48, type '48'). The function is case and space sensitive unless the *Case sensitive* tick box is turned off.

	DESCRIPTIO	PIN 🛆	LOT_NUMBER	HOUSENO	STNAME	STNAMESFX	IMPROVEMEN	Ľ
0	SCHOOL	1096812	282	282	MURRAY	RD	Rendered concre	
1	SCHOOL	1096812	282	282	MURRAY	RD	Rendered concre	
2	SCHOOL	1096812	282	282	MURRAY	RD	Rendered concre	
3	NULL	1096813	6	1	TUTOR	a	NULL	
4	NULL	1096813	6	1	TUTOR	CL .	NULL	1
5	MQ746	1096814	7	3	TUTOR	CL	NULL	
6	MQ746	1096814	7	3	TUTOR	CL .	NULL	1
7	MQ742	1096815	8	2	SIN SANG	RD	NULL	
8	MQ742	1096815	8	2	SIN SANG	RD	NULL	
9	MQ743	1096816	9	4	SIN SANG	RD	NULL	
10	MQ743	1096816	9	4	SIN SANG	RD	NULL	
11	MQ746	1096817	10	6	SIN SANG	RD	NULL	
12	MQ746	1096817	10	6	SIN SANG	RD	NULL	
13	NULL	1096818	11	5	SIN SANG	RD	NULL	F
•		· · · · · · · · · · · · · · · · · · ·				,	••)
		Q 🖉 💿		Look for 48		in LOT_NUMB	ER 🔻 Search	

3. Select the attribute to search from the in drop-down list. Click Search.

4. The matching entries will be highlighted in the number reference column on the left.

	DESCRIPTIO	PIN 🛆	LOT_NUMBER	HOUSENO	STNAME	STNAMESFX	IMPROVEMEN
132	Open Space/Pad	1096893	288	288	JALAN PANTAI	NULL	NULL
133	Open Space/Pad	1096893	288	288	JALAN PANTAI	NULL	NULL
134	NULL	1096894	326	326	MURRAY	RD	NULL
135	NULL	1096894	326	326	MURRAY	RD	NULL
136	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
137	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
138	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
139	Port Facilities - Ja	1096896	47	NULL	NULL	NULL	Phosphate loadin
140	Port Facilities - Ja	1096896	47	NULL	NULL	NULL	Phosphate loadin
141	Port Facilities - Ja	1096896	47	NULL	NULL	NULL	Phosphate loadin
142	NULL	1096899	272	60	GAZE	RD	NULL
143	NULL	1096899	272	60	GAZE	RD	NULL
144	MUSIC CENTRE	1096900	273	62	GAZE	RD	A 40 year old for
145	MUSIC CENTRE	1096900	273	62	GAZE	RD	A 40 year old for
•	11111			,		,	() ()
		20		Look for 48			ER 💌 Search
Sh	ow selected only	earch selected only	کا تک (ع			Advanced se	

5. If the entries (entry) are not automatically visible, click the box Show selected only at the bottom of the screen. Only the records matching the search will be displayed. Alternatively, click the Move selection to top icon.

🧔 A	ttribute table - c	adastre :: 3 / 15	69 feature(s) se	lected			_ 0	X
	DESCRIPTIO	PIN 🛆	LOT_NUMBER	HOUSENO	STNAME	STNAMESFX	IMPROVEMEN	ι
136	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin	
137	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin	
138	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin	
•							4	
				_				
		220		Look for 48		in LOT_NUMB	ER 💌 <u>S</u> earch	
🗙 Sł	now selected only	Search selected or	nly 🙁 Case sensit	ive		Advanced se	arch ?	

6. To locate the selected entries on your map click the Zoom map to selected rows icon.

💋 Att	tribute table - ca	dastre :: 3 / 156	9 feature(s) sel	ected			
	DESCRIPTIO 🔽	PIN	LOT_NUMBER	HOUSENO	STNAME	STNAMESFX	IMPROVEMEN
7	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
510	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
1113	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
•							
				Look for 48		in LOT_NUMB	ER 🔻 <u>S</u> earch
🗙 Sho	w selected only	Search selected only	/ 🗶 Case sensitiv	/e		Advanced se	arch ?

- 7. To narrow your search down further check the *Search selected records only* box and perform another search.
- 8. To clear the selected entries click the *Deselect features from all layers* icon ¹¹ on the main window menu bar.

Advanced Search Query Builder

Search Query Builder can conduct complex searches. The results are displayed in the attribute table and show up as selected features on the map. This example shows a search to locate "any properties in the suburb of Settlement with a lot number of less than 10" from the Cadastre layer.

1. Open the attribute table of the layer you wish to search. Click the *Advanced search button* at the bottom of the window.

🥖 A1	tribute table - ca	ndastre :: 0 / 156	9 feature(s) sel	ected			
	DESCRIPTIO 🔽	PIN	LOT_NUMBER	HOUSENO	STNAME	STNAMESFX	IMPROVEMEN 📥
0	Forest	11267665	625	NULL	NULL	NULL	NULL
1	Flying Fish Cove	11229790	616	NULL	NULL	NULL	NULL
2	Forest/Coastal cli	11267666	624	NULL	NULL	NULL	NULL
3	Mining port faciliti	11377992	637	NULL	NULL	NULL	NULL
4	Fuel Farm, WARE	11377993	638	NULL	NULL	NULL	Brick shed and fu
5	Mining Port Facilit	1218763	482	NULL	NULL	NULL	NULL
6	Mining Port Facilit	1218766	488	NULL	NULL	NULL	NULL
7	Port Facilities - Ja	1096895	48	NULL	NULL	NULL	Phosphate loadin
8	Port Facilities - Ja	1096896	47	NULL	NULL	NULL	Phosphate loadin
9	Tourist bureau	11417028	3042	1	GAZE	RD	NULL
10	Forest/Escarpment	1357537	559	559	MURRAY	RD	NULL
11	NULL	1096894	326	326	MURRAY	RD	NULL
12	CHRISTMAS ISLA	1097098	111	NULL	NULL	NULL	NULL
13	CHRISTMAS ISLA	1097147	112	NULL	NULL	NULL	NULL 💌
І							• •
		20		Look for		in DESCRIPTIO	▼ <u>S</u> earch
🗌 Sh	ow selected only	Search selected only	/ 🗶 Case sensitiv	'e		Advanced sea	rch ?

- 2. Double click the attribute field you wish to search, in this case SUBURB. The text will be added to the clause bar.
- 3. Click the equals (=) button.

adastre Fields			Valu	les		
DESCRIPTIO PIN LOT_NUMBER HOUSENO STNAME STNAMESFX IMPROVEMEN USAGE_CODE ZONING PURPOSE LOCNO_STR SUBURB SEWER WATER ELECTRICIT TELEPHONE ROAD_ACC						
CENTLONG				Sample		All
Operators =	<	>	LIKE	%	IN	NOT IN
<=	>=	!=	ILIKE	AND	OR	NOT
SQL where clause						
SUBURB =						
					3.6	

4. Either type in the search term, for example *Settlement* (case sensitive), or click the *All* button under *Values* and double-click the required value.

lastre ields			- F	/alues		
DESCRIPTIO PIN LOT_NUMBER HOUSENO STNAME STNAMESFX IMPROVEMEN USAGE_CODE ZONING PURPOSE LOCNO_STR SUBURB SFWER				" 'Drumsite' 'Kampong' 'Phosphate Hill' 'Poon Saan' 'Settlement' 'Silver City' 'Taman Sweetland'		
SEWER WATER		-		Sample All		
perators						
=	<	>	LIKE	%	IN	NOT IN
<=	>=	!=	ILIKE	AND	OR	NOT
QL where clause SUBURB = 'Sett						

Clicking Search at this point would locate all cadastre properties in Settlement.

- 5. To add an extra condition to the search click AND.
- 6. Continue to add terms to the clause bar following the previous steps.

Fields				/alues		
DESCRIPTIO PIN LOT_NUMBER HOUSENO STNAME STNAMESFX IMPROVEMEN USAGE_CODE ZONING PURPOSE				" 'Xampong' 'Phosphate Hill' 'Poon Saan' 'Settlement' 'Silver City' 'Taman Sweetland'		
PURPOSE A				Sample All		
Operators						
_	<	>	LIKE	%	IN	NOT IN
<=	>=	[=	ILIKE	AND	OR	NOT
SQL where clause						
-	ement' AND LOI	_NUMBER < 10				
0.0000000000000000000000000000000000000						

7. Click *Test* to check that the search is valid and to view the number of matching search results.



- 8. Click *OK* to run the search.
- 9. Return to the attribute table to view the results.
- 10. If the entry(s) are not automatically visible, click the box *Show selected records only* at the bottom of the screen. Only the records matching the search will be displayed.

NOTE: The search will not work if the required value is entered in the clause bar with "". For example:

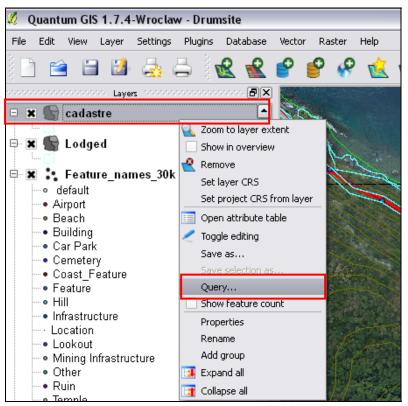
- Incorrect Lot number = "1003"
- Correct Lot number = '1003'

Query Builder

Query Builder works in the same way as the *Search Query Builder* function except only the matching search results remain on the map and in the attribute table after the search is performed.

To access Query Builder:

- 1. Right click on the layer name you wish to search.
- 2. Click Query from the list. The Query Builder will display.



3. Follow the instructions in the Search Query Builder section of this guide to create a query.

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Fields			Valu	Jes			
DESCRIPTIO PIN LOT_NUMBER HOUSENO STNAME STNAMESFX IMPROVEMEN USAGE_CODE ZONING PURPOSE LOCNO_STR			 יי יי יי יי	" 'Drumsite' 'Kampong' 'Phosphate Hill' 'Poon Saan' 'Settlement' 'Silver City' 'Taman Sweetland'			
			3 6	Sample	All		
Operators							
=	<	>	LIKE	%	IN	NOT IN	
<=	>=	[!=	ILIKE	AND	OR	NOT	
5QL where clause	,						
SUBURB = 'Sett	lement' AND LO	[_NUMBER < 10					

- 4. When you are happy with the query, click *OK*. The *Query* Builder window will automatically close and the map will display only those entries that match your search.
- 5. To clear the search (and refresh the data), re-enter the *Query Builder* window and click *Clear*. All the original data from the layer will display.