

QGIS Application - Bug report #11318

using date fields in QGIS 2.4 query builder

2014-10-03 05:01 AM - Stewart Sinclair

Status: Closed	
Priority: Normal	
Assignee:	
Category: Vectors	
Affected QGIS version: 2.4.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution: invalid
Crashes QGIS or corrupts data:	Copied to github as #: 19614
Description	
In QGIS 2.2 I could use a query such as "Started" > '2014/07/17' to find all records later than the date given. In QGIS 2.4.0 this results in the error: "OGR ³ error 1: Type mismatch or improper type of arguments to > operator."	

History

#1 - 2014-10-03 07:01 AM - Stewart Sinclair

this problem applies to shape files (the expression still works with PostGis files) and comparison between date fields is OK in shape files. The problem seems to be specifying the date constant.

#2 - 2014-10-04 03:59 AM - Stewart Sinclair

Just to clarify:

"Started" > '2014-05-17' will select records in the "Select by expression" window but causes the error when entered into the "Query Builder" for the "Feature subset" filter.

#3 - 2014-10-04 04:06 AM - Giovanni Manghi

- Status changed from Open to Feedback
- Category set to Vectors

Stewart Sinclair wrote:

Just to clarify:

"Started" > '2014-05-17' will select records in the "Select by expression" window but causes the error when entered into the "Query Builder" for the "Feature subset" filter.

but in the query builder used to work until 2.2? Could you please attach sample data?

#4 - 2014-10-04 04:07 AM - Nathan Woodrow

Just note that that query string is passed to ogr to process. The problem might live there rather than in QGIS.

#5 - 2014-10-04 04:20 AM - Giovanni Manghi

Nathan Woodrow wrote:

Just note that that query string is passed to ogr to process. The problem might live there rather than in QGIS.

yes, this is why I asked. It seems strange to me that it worked in previous qgis releases, as the query builder uses ogr.

#6 - 2014-10-04 06:36 AM - Stewart Sinclair

I found that this problem had already been raised but no solution given.

Casting the date field ("Started") works in the Query Builder filter:

```
cast("Started" as character) > '2014/07/05'
```

but not in the select window where it is not required.

See <http://gis.stackexchange.com/questions/99991/how-to-filter-date-values-using-ogr-1-11-0>

#7 - 2014-10-04 08:33 AM - Giovanni Manghi

- Resolution set to invalid

- Status changed from Feedback to Closed

Stewart Sinclair wrote:

I found that this problem had already been raised but no solution given.

Casting the date field ("Started") works in the Query Builder filter:

```
cast("Started" as character) > '2014/07/05'
```

but not in the select window where it is not required.

See <http://gis.stackexchange.com/questions/99991/how-to-filter-date-values-using-ogr-1-11-0>

So as the query builder uses ogr (and now qgis ships with gdal/ogr 1.11 on most platforms) users must use the correct ogr syntax, in this case the one that was described in that page on stackexchange and this ogr ticket <http://trac.osgeo.org/gdal/ticket/5507>