QGIS Application - Bug report #9241
QgsVectorDataProvider.minimumValue() and maximumValue() don't work for Date fields

2013-12-20 09:23 AM - Anita Graser

Status:	Closed		
Priority:	Normal		
Assignee:	Matthias Kuhn		
Category:	Data Provider/OGR		
Affected QGIS version:	2.0.1	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	up/downstream
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	17859

Description

minimumValue(idx).toString() and maximumValue(idx).toString() only return empty strings.

The issue popped up because TimeManager currently does not support Date fields:
https://github.com/anitagraser/TimeManager/issues/37

If you need a test dataset try: http://ge.tt/6DBclJh/v/0

To reproduce:

    l=iface.activeLayer()
    p=l.dataProvider()
    idx=p.fieldNameIndex("DATE")
    p.minimumValue(idx).toString()
    p.maximumValue(idx).toString()

Related issues:

Related to QGIS Application - Bug report # 10165: Cannot use "less than"/"gre...	**Closed**	**2014-05-03**

History

#1 - 2013-12-24 02:44 AM - Matthias Kuhn

- Category changed from Data Provider to Data Provider/OGR

This seems to be an upstream OGR issue:

    $
        $ ogrinfo /tmp/test/test2.shp -sql "SELECT MAX('DATE') from test2"
        $
        $ INFO: Open of `/tmp/test/test2.shp'
        $ using driver `ESRI Shapefile' successful.
        $
        $ Layer name: test2
        $ Geometry: 3D Point
        $ Feature Count: 1
        $ Layer SRS WKT:
        $ (unknown)
        $ MAX_DATE: Date (10.0)
        $ OGRFeature(test2):0
        $ MAX_DATE (Date) = (null)

Please open a bug report there

#2 - 2013-12-24 04:30 AM - Anita Graser

Reported: https://trac.osgeo.org/gdal/ticket/5333

#3 - 2013-12-25 02:12 PM - Anita Graser

Should I close the ticket here or wait until the new OGR version is released and included in QGIS downloads?

#4 - 2013-12-25 02:16 PM - Matthias Kuhn

I guess we have the same kind of bug in the generic fallback code as well, so let's keep it open until we are sure it is fixed there as well.

#5 - 2013-12-27 08:03 AM - Anita Graser

The fix has been implemented upstream: http://trac.osgeo.org/gdal/ticket/5333#comment:2

#6 - 2013-12-30 11:37 AM - Jürgen Fischer
- Resolution set to up/downstream

#7 - 2014-01-20 02:31 AM - Anita Graser
- Assignee set to Matthias Kuhn

@Matthias: The OGR side seems to be fixed. Can you have a look at our own code? Or do you know whom to ask? Will QGIS 2.2 use the fixed OGR version?

#8 - 2014-01-20 02:40 AM - Matthias Kuhn

As soon as you install the updated OGR on your machine, QGIS will make use of it, even if you still run QGIS 2.0. The only platforms where we can control this are OSGeo4W and Mac OS X. Best to ping the responsible people there.

For our side, I think I have a branch somewhere which implements this. But this would need to be tested with a provider which uses the fallback code (i.e. which is NOT in the list below) and I am very tight on time right now... I will check the code I have and upload if it's useful.

Provider side implementations for maximumValue:

  - MSSQL
  - OGR
  - Postgres
  - Spatialite
  - SQLAnywhere
  - Oracle

#9 - 2014-05-01 01:54 PM - Anita Graser

Min/max looks fine in master (OSGeo4W) with the new OGR included.

Unfortunately there is still an issue querying date fields: I cannot seem to use < and > operators in queries:

OGR[3] error 1: Type mismatch or improper type of arguments to < operator.

... guess that should be a new ticket?

#10 - 2014-05-01 02:15 PM - Jürgen Fischer

- Status changed from Open to Closed

#11 - 2014-05-03 04:21 PM - Anita Graser

follow-up issue: #10165