QGIS Application - Bug report #16812
Saving GeoJson deletes NULL attributes if QGIS is compiled against GDAL 2.2

2017-07-07 07:45 PM - Alex Mandel

Status:	Closed			
Priority:	High			
Assignee:	Even Rouault			
Category:	Data Provider/OGR			
Affected QGIS version:	2.18.10	**Regression?:**	Yes	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:		**Copied to github as #:**	24711	

Description

As described in https://github.com/UCDavisLibrary/ava/issues/270, Saving Geojson removes any attributes that have null values.
This is a new behavior due to a change in GDAL 2.2 https://trac.osgeo.org/gdal/wiki/rfc67_nullfieldvalues which changes how null fields are handled.

Discussing with Even R. in IRC, it seems safer to '<EvenR> "unset as null" could be the default behaviour in QGIS. It should bring back the pre GDAL 2.2 behaviour'

That way any saves made while editing a layer won't remove attributes.
As an option the Save As dialog could allow users to override this behavior, dropping null fields to create a more compact geojson file.

Associated revisions

Revision 7d67b02a - 2017-07-08 02:01 PM - Even Rouault

[OGR] Use OGR_F_SetFieldNull() with GDAL >= 2.2 to avoid GeoJSON fields to be unset (fixes #16812)

Revision fda97b22 - 2017-07-08 02:31 PM - Even Rouault

[OGR] Use OGR_F_SetFieldNull() with GDAL >= 2.2 to avoid GeoJSON fields to be unset (fixes #16812)

Revision fb880711 - 2017-07-08 04:42 PM - Even Rouault

[OGR] Use OGR_F_SetFieldNull() with GDAL >= 2.2 to avoid GeoJSON fields to be unset (fixes #16812)

History

#1 - 2017-07-08 12:46 PM - Giovanni Manghi

- Easy fix? changed from Yes to No

- Operating System deleted (All)

- Priority changed from Normal to High

- Subject changed from Saving GeoJson deletes null attributes to Saving GeoJson deletes NULL attributes if QGIS is compiled against GDAL 2.2

I'm reluctant to tag this as "regression" because technically is not a QGIS issue, point is that QGIS users that will start to hit this change will immediately point to QGIS as the culprit. If setting "unset as null" is trivial I suggest to implement it as soon as possible.

#2 - 2017-07-08 02:01 PM - Even Rouault

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset commit:qgis|7d67b02ae461adf5bbf8cc753ea61a64ec125bbc.

#3 - 2017-07-08 02:57 PM - Even Rouault

- Resolution set to fixed/implemented