QGIS Application - Bug report #17669
GeoJSON export includes z-dimension even if unticked

2017-12-11 10:55 AM - Johannes Kroeger

Status:	Closed			
Priority:	Normal			
Assignee:	Nyall Dawson			
Category:	Unknown			
Affected QGIS version:	2.18.14	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	
Crashes QGIS or corrupts data:		**Copied to github as #:**	25566

Description

Load the following GeoJSON

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature", "properties": {},
      "geometry": { "type": "Polygon", "coordinates": [[
        [ 0, 0, 0 ],
        [ 1, 0, 0 ],
        [ 1, 1, 0 ],
        [ 0, 1, 0 ],
        [ 0, 0, 0 ]
        ]]
      }
    }
  ]
}
```

and inspect the metadata:

```
Geometry type of the features in this layer
Polygon (WKB type: "PolygonZ")
```

You see it has a z-dimension.

Now save the layer as new GeoJSON file, force the geometry type to Polygon and **untick** "Include z-dimension".

The new file will still include the z coordinates even though we told QGIS to not include it.

This does not happen when saving to Shapefile, I did not try others. The GeoJSON spec allows a third element in the coordinates array so the input seems to be valid.

Associated revisions

Revision 0f22a29b - 2018-10-26 08:57 AM - Nyall Dawson

Fix dropping/adding z dimensions to certain output data types

where the layer geometry type is defined by features, not preset

in advance

Fixes #20220, #17669

History

#1 - 2018-10-26 12:19 AM - Jason Ferrier

This issue is still happening with 3.2.3.

It it not limited to GeoJSON and also affects CSV, so I created a issue for that as well: #20220

#2 - 2018-10-26 02:14 AM - Nyall Dawson

- Assignee set to Nyall Dawson

- Status changed from Open to In Progress

#3 - 2018-10-26 08:57 AM - Nyall Dawson

- % Done changed from 0 to 100

- Status changed from In Progress to Closed

Applied in changeset commit:qgis|0f22a29b9dccd13010d300bf101ab46cda813dc0.