

QGIS Application - Bug report #21560

Multipatch features are not shown anymore

2019-03-12 02:35 AM - Yaniv yaniv

Status:	Open	
Priority:	High	
Assignee:		
Category:	Vectors	
Affected QGIS version:	3.6.0	Regression?: Yes
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 29376
Description		
<p>While with Qgis 2.8 the attached multipatch layer's geometry is recognized as Polygon and the layer can be seen, the layer cannot be seen with v3.6 (unknown geometry).</p> <p>Thanks.</p>		

History

- #1 - 2019-03-12 11:16 AM - Giovanni Manghi
- Subject changed from Multipatch features of this shapefile cannot be seen QGIS v3.6 (unknown geometry). This is a regression from v2.8 to Multipatch features of this shapefile cannot be seen QGIS v3.6 (unknown geometry)
 - Status changed from Open to Feedback
 - Assignee deleted (Yaniv yaniv)

How this shapefile was created? Is this is really a QGIS problem or more a GDAL/OGR one?

- #2 - 2019-03-13 11:09 PM - Yaniv yaniv
- Assignee set to Giovanni Manghi

I'm not sure about how this shapefile was created (a client's file), but after import > export with ArcMap 10.3.1, the layer still cannot be seen.

- #3 - 2019-03-13 11:13 PM - Yaniv yaniv

According to GDAL team (<https://github.com/OSGeo/gdal/issues/1363> closed issue on their side):

This is something that should be fixed in QGIS. GDAL several versions ago has started reported multipatch as TIN or GEOMETRYCOLLECTION of TIN, instead of the improper MULTIPOLYGON as it did before. QGIS should be upgraded to handle those new geometry types.

For example ogrinfo reports

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GEOMETRYCOLLECTION Z (TIN Z (((36587034.5560299 3793637.11402507 298.450988769531,36587034.5560299 3793637.11402507
251.322998046875,36586985.6698492 3793626.85509158 291.41000366211,36587034.5560299 3793637.11402507
298.450988769531))),((36587034.5560299 3793637.11402507 251.322998046875,36586985.6698492 3793626.85509158
291.41000366211,36586985.6698492 3793626.85509158 243.074996948242,36587034.5560299 3793637.11402507
251.322998046875))),TIN Z (((36586985.6698492 3793626.85509158 291.41000366211,36586985.6698492 3793626.85509158
243.074996948242,36587006.4961656 3793675.55801473 294.063995361328,36586985.6698492 3793626.85509158
291.41000366211))),((36586985.6698492 3793626.85509158 243.074996948242,36587006.4961656 3793675.55801473
294.063995361328,36587006.4961656 3793675.55801473 245.207000732422,36586985.6698492 3793626.85509158
```

243.074996948242))),TIN Z (((36587006.4961656 3793675.55801473 294.063995361328,36587006.4961656 3793675.55801473
245.207000732422,36587034.5560299 3793637.11402507 298.450988769531,36587006.4961656 3793675.55801473
294.063995361328)),((36587006.4961656 3793675.55801473 245.207000732422,36587034.5560299 3793637.11402507
298.450988769531,36587034.5560299 3793637.11402507 251.322998046875,36587006.4961656 3793675.55801473
245.207000732422))),TIN Z (((36587034.5560299 3793637.11402507 298.450988769531,36586985.6698492 3793626.85509158
291.41000366211,36587006.4961656 3793675.55801473 294.063995361328,36587034.5560299 3793637.11402507
298.450988769531))),TIN Z (((36587006.4961656 3793675.55801473 245.207000732422,36586985.6698492 3793626.85509158
243.074996948242,36587034.5560299 3793637.11402507 251.322998046875,36587006.4961656 3793675.55801473 245.207000732422))))

#4 - 2019-03-14 12:51 PM - Giovanni Manghi

- Operating System deleted (Windows 10)
- Subject changed from Multipatch features of this shapefile cannot be seen QGIS v3.6 (unknown geometry) to Multipatch features are not shown anymore
- Category changed from Geometry to Vectors
- Status changed from Feedback to Open
- Assignee deleted (Giovanni Manghi)

Files

model.zip	605 KB	2019-03-12	Yaniv yaniv
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