## QGIS Application - Bug report #21567 QGIS intersection reporting incorrect intersections & Unions

2019-03-12 02:52 PM - Glenn Fishbine

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	Processing/QGIS		
Affected QGIS ver	sion:3.6.0	<b>Regression?:</b>	No
Operating System:		Easy fix?:	No
Pull Request or Patch supplied:		Resolution:	invalid
Crashes QGIS or corru <b>pts</b> data:		Copied to github as	#: 29383
Description	· ·		
Issue with both QGI	S Desktop with Grass 3.4.4 amd 3.6.0		
I have two datasets:	The U.S. county shapefile set http://v	vww2.census.gov/geo/tiger/GEN2	Z2017/shp/cb_2017_us_county_500k.zip
and the U.S. Climate	Division shapefile set <u>ftp://ftp.ncdc.nc</u>	oaa.gov/pub/data/cirs/climdiv/CO	NUS_CLIMATE_DIVISIONS.shp.zip
I'm trying to use inter	rsection (or Union) to identify for each	county, what climate division(s) it	is part of.
Climate divisions do	not cross state lines by definition.		
With intersection, my county.	v expectation is that a county will be in	one or more climate divisions sin	ce climate divisions do not always enclose a
When I do the interse	ection I get some strange results.		
Vector>Geoproces	sing Tools>Intersection, input layer i	s counties, overlay layer is Climat	te divisions.
l also havo an orror r	eport of an invalid geometry so I've tur	rpad on ignoro fasturos with invali	id acomptrize
		-	nvalid geometries. There appears to be one
invalid geometry in th	-		nvalid geometries. There appears to be one
Example:			
Barbour County is a	county in Alabama.		
When I look at the re	sulting database from the intersection	or union, I get three records.	
2 of them appear to	be correct in Alabama, and there is a 3	Brd that appears to be incorrect in	Georgia.
When I look at Choc	taw county, which is in Alabama, I get	3 records	
2 of them appear to I	be correct in Alabama, but there is a 3	rd that appears to be incorrect in	Mississippi
Overall there are of 7,404 polygons generated by the intersection, over 1,000 which have a state mismatch.			
History			

## #1 - 2019-03-12 03:12 PM - Giovanni Manghi

- Resolution set to invalid

- Crashes QGIS or corrupts data changed from Yes to No

- Status changed from Open to Closed

Example:

Barbour County is a county in Alabama.

When I look at the resulting database from the intersection or union, I get three records. 2 of them appear to be correct in Alabama, and there is a 3rd that appears to be incorrect in Georgia.

When I look at Choctaw county, which is in Alabama, I get 3 records 2 of them appear to be correct in Alabama, but there is a 3rd that appears to be incorrect in Mississippi

Overall there are of 7,404 polygons generated by the intersection, over 1,000 which have a state mismatch.

there is no error,

the borders of your input layers do not match perfectly, so for example you have small parts of your climate divisions that instead of matching perfectly a state border do overshoot them...