# QGIS Application - Bug report #1080
# crash when loading GRASS vectors and rasters

2008-05-09 06:04 AM - Paolo Cavallini

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|---|---|---|---|
| **Status:** | Closed | | |
| **Priority:** | Low | | |
| **Assignee:** | nobody - | | |
| **Category:** | GRASS | | |
| **Affected QGIS version:** | | **Regression?:** | No |
| **Operating System:** | Linux | **Easy fix?:** | No |
| **Pull Request or Patch supplied:** | | **Resolution:** | fixed |
| **Crashes QGIS or corrupts data:** | | **Copied to github as #:** | 11140 |

**Description**

I'm unable to load GRASS raster or vectors (0.10 from debian.gfoss.it).
This seems related to the proj k problem pointed out by Maciek.
Seems a major bug, as GRASS is unusable with all projections with a k
parameter (and more).
All the best.
pc===========================
VECTORS

error_routine (fatal = 0): Unable to initialise PROJ.4 with the
following parameter list: +proj=tmerc +lat_0=0 +lon_0=9 +k=0.999600
+x_0=1500000 +y_0=0 +no_defs +a=6378388 +b=6378388
error_routine (fatal = 0): The error message: k <= 0
error_routine (fatal = 0): Can't parse GRASS PROJ_INFO file
Critical: [[QgsSpatialRefSys]]::createFromWkt -- theWkt is uninitialised,
operation failed
Warning: No valid projection. Unable to set map units.
Raster Algebra: renderTest called!
[[QgsGrass]]::vectors()
[[QgsGrass]]::vectors()
[[QgsGrass]]::vectors()
error_routine (fatal = 1): default region is invalid
line 4: <south:     -28513.88928299>
Cannot open GRASS vector: default region is invalid
line 4: <south:     -28513.88928299>

then segfault===========================
RASTERS

Warning: [[QgsSpatialRefSys]]::getRecord failed :  select * from tbl_srs
where parameters='+proj=longlat +a=6378137 +b=6356733.855704698
+towgs84=0.000,0.000,0.000 +no_defs'
Warning: [[QgsSpatialRefSys]]::findMatchingProj will only work if prj acr
ellipsoid acr and proj4string are set!...
Warning: No valid projection. Unable to set map units.
Warning: QPainter::begin: Painter already active
Warning: QPainter::begin: Painter already active
Warning: QPainter::begin: Painter already active
Raster Algebra: renderTest called!
[[QgsGrassPlugin]]::addRaster

[[QgsGrass]]::rasters()
[[QgsGrass]]::rasters()
[[QgsGrass]]::rasters()
ERROR 4:
@/home/Documenti/datigrass//Mondo_LatLong/leo/cellhd/carta_tempo' not
recognised as a supported file format.

then segfault

## History

**#1 - 2008-05-09 06:47 AM - leolami -**

I tried it in QGIS 0.10 for Windows build by Marco Pasetti and it works fine.

I thin the gdal version is the same, rigth?

Any other ideas?


Leonardo


**#2 - 2008-05-21 09:03 AM - Paolo Cavallini**

This may be related to locale: in LOCALE=it_IT, points are replaced with commas in the description of projections, thus qgis does not understand the
projections, and grass plugin crashes.
exporting LANG=C solves the problem. Apparently the same as https://trac.osgeo.org/qgis/ticket/1079


**#3 - 2008-05-21 01:39 PM - Jürgen Fischer**

*- Resolution set to fixed*

*- Status changed from Open to Closed*


Replying to [comment:2 pcav]:

> *This may be related to locale: in LOCALE=it_IT, points are replaced with*
> *commas in the description of projections, thus qgis does not understand the*
> *projections, and grass plugin crashes.  exporting LANG=C solves the problem.*
> *Apparently the same as https://trac.osgeo.org/qgis/ticket/1079*


This diagnosis isn't quite right.  The GRASS libraries QGIS uses are not locale

aware.  GRASS uses standard C library functions to parse numbers in strings,

although these functions expect to see commas for certain locales (like it_IT

and de_DE).

But the GRASS files contain dots (e.g. for the default window) and therefore

the parsing fails.  This lead to a fatal GRASS error which was not catched by

the setjmp/longjmp trick and therefore caused the "crash" (the GRASS routines

terminated the process).

I addressed this in commit:61e3fe93 (SVN r8477) by setting the locale to "C" before calling the GRASS

function to retrieve the SRS.  This should fix this bug, but there are probably

much more places where GRASS functions should be called with locale "C" because

the outerwise break. Maybe we need to wrap each and every GRASS call that way.

**#4 - 2009-08-22 12:54 AM - Anonymous**

Milestone Version 0.9.2 deleted