QGIS Application - Bug report #9772 QgsMapSettings::setDestinationCrs() does not achieve desired effect

2014-03-12 04:51 PM - Etienne Tourigny

Status:	Closed		
Priority:	Low		
Assignee:	Martin Dobias		
Category:	Map Canvas		
Affected QGIS v	version:master	Regression?:	No
Operating System:		Easy fix?:	No
Pull Request or Patch swipplied:		Resolution:	end of life
Crashes QGIS or corru pils data:		Copied to github a	as #: 18314
Description			
since QgsMapSe	ttings::mapRenderer() is deprecated	l, QgsMapRenderer::setDestination(Crs() should be replaced by
QgsMapSettings:	:setDestinationCrs(), but it seems th	ne implementation is not complete.	
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History

#1 - 2014-03-12 04:58 PM - Jürgen Fischer

- Status changed from Open to Closed
- Resolution set to invalid

Use QgsMapCanvas::setDestinationCrs() instead of QgsMapSettings::setDestinationCrs()

#2 - 2014-03-12 05:40 PM - Larry Shaffer

Jürgen Fischer wrote:

Use QgsMapCanvas::setDestinationCrs() instead of QgsMapSettings::setDestinationCrs()

While that works, I don't think you should have to do that if you already have QgsMapSettings, which should be all you need to do a render (if I understand

its implementation).

I think there should probably be QMapCanvas::setMapSettings(const QgsMapSettings& settings) where one can just apply built-up or manipulated QgsMapSettings. If not, what is the purpose of the QMapCanvas::mapSettings() getter then?

I've outlined this in a recent mailing list post.

Etienne, the reason the following doesn't work, is because a copy of the canvas's QgsMapSettings is being returned, i.e. no direct access: iface.mapCanvas().mapSettings().setDestinationCrs(crs)

#3 - 2014-03-12 08:05 PM - Etienne Tourigny

- Status changed from Closed to Reopened

the situation is a bit confusing... the functions in deprecated class QgsMapRenderer have been replaced by equivalents in QgsMapSettings (as described by a post by Martin Dobias [1]). Why does not use the mapSettings everywhere?

and what is the use of QgsMapSettings::setDestinationCrs() if it has no effect? Might as well remove it...

there are also a few duplicate get/set functions between QgsMapCanvas and QgsMapSettings (e.g. setCrsTransformEnabled) which further add to the confusion.

I am going to insist on re-opening this bug because I think the API needs a bit of cleanup to remove duplicates and make it consistent.

[1] http://osgeo-org.1560.x6.nabble.com/QGIS-Multi-threaded-Rendering-td5093928.html

#4 - 2014-03-17 09:52 AM - Etienne Tourigny

- Assignee set to Martin Dobias

- Priority changed from Normal to Low

I now understand from an email by Martin [1] that QgsMapSettings should be used to query map settings, not set them.

It would be nice to have this documented in the QgsMapSettings or QgsCanvas documentation.

The documentation in QgsMapCanvas::mapSettings reads "Get access to properties used for map rendering" which could be a bit clearer, stating that it should be used for consulting only.

I overlooked that this member returns a const& - probably because pyqt lets you modify the returned object without complaining.

[1] http://comments.gmane.org/gmane.comp.gis.qgis.devel/30592

#5 - 2017-05-01 01:08 AM - Giovanni Manghi

- Regression? set to No
- Easy fix? set to No

#6 - 2019-03-09 04:04 PM - Giovanni Manghi

- Resolution changed from invalid to end of life
- Status changed from Reopened to Closed

Source: http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/