# QGIS Application - Bug report #7758
## Maximum viewing scale

2013-05-03 04:11 AM - Jonathan Moules

| | | | | |
|---|---|---|---|---|
| **Status:** | Closed | | | |
| **Priority:** | Normal | | | |
| **Assignee:** | | | | |
| **Category:** | Symbology | | | |
| **Affected QGIS version:** | master | **Regression?:** | No | |
| **Operating System:** | | **Easy fix?:** | No | |
| **Pull Request or Patch supplied:** | No | **Resolution:** | end of life | |
| **Crashes QGIS or corrupts data:** | No | **Copied to github as #:** | 16657 | |

### Description

I load a QML file I made with 1.8.0. These are the first two lines:

<!DOCTYPE qgis PUBLIC 'http://mrcc.com/qgis.dtd' 'SYSTEM'>
<qgis version="1.8.0-Lisboa" minimumScale="0" maximumScale="5000" hasScaleBasedVisibilityFlag="1">

However, when I "apply" it, the data disappears and my "Maximum (inclusive)" is: -2147483648:1

Using weekly master build commit:1959182

### Related issues:

| | | |
|---|---|---|
| Related to QGIS Application - Bug report # 8546: default maximum scale shows ... | **Closed** | **2013-09-01** |

## History

**#1 - 2013-05-03 04:11 AM - Jonathan Moules**

*- File Topographic_Area.qml added*

Full QML attached

**#2 - 2013-05-03 07:13 AM - Jürgen Fischer**

*- Subject changed from Maxium viewing scale to Maximum viewing scale*

**#3 - 2013-05-04 02:35 AM - Giovanni Manghi**

*- Category set to Symbology*

It works fine if the qml is saved directly in master?

**#4 - 2013-06-25 04:55 AM - Jonathan Moules**

If the file is created from scratch in master, then reloaded later, it works fine. So it seems to just have issue loading older QML files.

**#5 - 2016-01-10 03:00 PM - Sebastian Dietrich**

This appears to be a bug within the presentation layer. **The style is correctly loaded and applied in current master.**

Your maximum scale of *1:0* actually is a special value meaning *no upper boundary set*, e.g. you can zoom in as much as you want.

This special value can be given to QGIS in many ways:

- 1:0
- -2:1
- -3:1
- ...
- -2147483648:1

However we would expect QGIS to always choose the same representation when it displays this special value, e.g. always display *1:0*.

But QGIS switches its display between *1:0* and *-2147483648:1* with every saving:

- Open the layer properties dialog
- Note the maximum scale of 1:0, but **do not change anything**!
- Hit *OK*, the layer properties dialog closes
- Open the layer properties dialog again
- Note the maximum scale of -2147483648:1, but **do not change anything**!
- Hit *OK*, the layer properties dialog closes
- Goto step 1 :-)

#### #6 - 2016-01-10 07:45 PM - Nyall Dawson

@Sebastian - we should fix this. Make it so instead of showing these nonsense values we use an understandable string like "No maximum set" (or "No minimum set")...

I've also been thinking that QgsScaleRangeWidget should either silently flip the maximum and minimum scales if the user has entered them backwards (easy mistake to make, especially seeing QGIS isn't consistent how these are used (labeling is opposite to symbology)) OR have some little yellow warning icon come up if the scales are backward.

#### #7 - 2016-01-11 04:02 PM - Sebastian Dietrich

@Nyall - agreed. The special value for *no lower boundary set* seems to be *0*, which can also be given as *0:1*. This is saved as maximumScale="inf" to the project file.

> *QGIS isn't consistent*

Yes, sometimes *scale* refers to the actual scale, like 1:5000, and sometimes to the *scale denominator*, like 5000.

Reading code like this makes me shiver:

```
dlg->setMinimumScale( 1.0 / layer->maximumScale() );
dlg->setMaximumScale( 1.0 / layer->minimumScale() );
```

#### #8 - 2017-05-01 01:09 AM - Giovanni Manghi

*- Regression? set to No*

*- Easy fix? set to No*

#### #9 - 2019-03-09 04:04 PM - Giovanni Manghi

*- Resolution set to end of life*

*- Status changed from Open to Closed*

**End of life notice: QGIS 2.18 LTR**

**Source:**

## Files

| | | | |
|---|---|---|---|
| Topographic_Area.qml | 83.5 KB | 2013-05-03 | Jonathan Moules |