QGIS Application - Bug report #21045
Unable to add WCS - bad WCS Request
2019-01-20 01:07 PM - Jonathan Moules

Status: Closed
Priority: Normal
Assignee:
Category: Web Services clients/WCS

Affected QGIS version: 3.4.3
Operating System:
Pull Request or Patch supplied:
Crashes QGIS or corrupts data:

Regression?: No
Easy fix?: No
Resolution: fixed/implemented
Copied to github as #: 28864

Description

This WCS:
http://thredds.ucar.edu/thredds/wcs/grib/NCEP/WW3/Regional_US_West_Coast/Best

It doesn't seem to be possible to add the layers. I get:


For some reason, QGIS is making the request with these CRS/RESPONSE_CRS parameters (obviously that's an invalid CRS):

CRS    EPSG:0 [Latitude_Longitude]
RESPONSE_CRS EPSG:0 [Latitude_Longitude]

Related issues:
Related to QGIS Application - Bug report #21046: Unable to add WCS - bad err...
Open 2019-01-20

Associated revisions
Revision 2f7550d1 - 2019-01-29 07:26 AM - Alexander Bruy
[wcs] improve CRS handling when parsing DescribeCoverage responce (refs #21045)

Revision e953141f - 2019-02-04 08:03 AM - Alexander Bruy
Merge pull request #9005 from alexbruy/wcs-fix
fix CRS handling in the DescribeCoverage response (refs #21045) [wcs]

Revision 8b5d50ce - 2019-02-05 07:32 AM - Alexander Bruy
[wcs] improve CRS handling when parsing DescribeCoverage responce (refs #21045)
(cherry picked from commit 2f7550d1a22ad9813786e78c5a23767f253065e7)

History
Ok, if you think it's a duplicate, but they're both using the same error to report two different bugs in QGIS. One is that QGIS cannot connect to the WCS, the other is that QGIS doesn't handle WCS exception reports properly.

Invalid request constructed because QGIS WCS provider handles only requestResponseCRSs element of the DescribeCoverage response. When this element is not found, it tries to get CRS from the RectifiedGrid element.

WCS server mentioned in the ticket reports invalid (?) CRS in that element

```
<gml:RectifiedGrid srsName="EPSG:0 [Latitude_Longitude]" dimension="2">
```

Here is an attempt to fix CRS handling [https://github.com/qgis/QGIS/pull/9005](https://github.com/qgis/QGIS/pull/9005)

PR merged, I think we can close this now.