

WebGeo-processingService

- Provide access to tabular and spatial data in database.
- Request made via SQL/Extensible Markup Language (XML)
 - * `soilDB::SDA_query(q)` - submit a query to the Soil Data Access (SDA) website in SQL.
 - * `GetCDLValue` and `GetCDLFile` service returns XML file.

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https://nassgeodata.gmu.edu/axis2/services/CDLService/GetCDLValue?year=2010&x=1551459.363&y=1909201.537

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<ns1:GetCDLValueResponse xmlns:ns1="http://cropscape.csiss.gmu.edu/CDLService/">
  <Result>
    {x: 1551459.363, y: 1909201.537, value: 5, category: "Soybeans", color: "#267300"}
  </Result>
</ns1:GetCDLValueResponse>
```

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼ <ns1:GetCDLFileResponse xmlns:ns1="http://cropscape.csiss.gmu.edu/CDLService/">
  ▼ <returnURL>
    https://nassgeodata.gmu.edu/webservice/nass_data_cache/CDL_2009_clip_20181017231444_53088329.tif
  </returnURL>
</ns1:GetCDLFileResponse>
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← → ↻ 🏠 <https://nassgeodata.gmu.edu/axis2/services/CDLService/GetCDLFile?year=2009&bbox=130783,2203171,153923,2217961>

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viscover: an R package

■ Installation

- * `devtools::install_github("XiaodanLyu/viscover")`

■ Functions

- * run the interactive tool: `runTool()`

- * fetch CDL data: `GetCDLFile`, `GetCDLValue`

- * CDL color mapping: `cdlpal`

■ Data

- * CDL color scheme: `cdl.dbf`

- * example CDL raster and soil polygon: `tile`, `poly`