Cartographic Relief
Linked Data for Libraries Cartographic Materials Working Group
Ontology Modeling Examples -- **Draft Version 2**, May 2018

Ontologies

```
@prefix bf:   <http://id.loc.gov/ontologies/bibframe/> .
@prefix gcro: <http://http://ontology.library.harvard.edu/geo/> .
@prefix rdau: <http://rdaregistry.info/Elements/u/> .
@prefix rdfs:  <http://www.w3.org/2000/01/rdf-schema#> .
```

Classes

gcro:Relief
  subclasses {based primarily on MARC Map format relief codes (008/18-21) /
      (006/01-04)}:
    gcro:LandRelief
      subclasses:
        gcro:Contours
        gcro:Shading
        gcro:GradientTints
        gcro:Hachures
        gcro:FormLines
        gcro:SpotHeights
        gcro:Pictorially
        gcro:LandForms
        gcro:RockDrawings
    gcro:WaterRelief
      subclasses:
        gcro:BathymetricTints
        gcro:BathymetricIsolines
        gcro:BathymetricSoundings
        gcro:BathymetricFormLines
    gcro:NoRelief
      subclasses:
        gcro:NoLandRelief
        gcro:NoWaterRelief
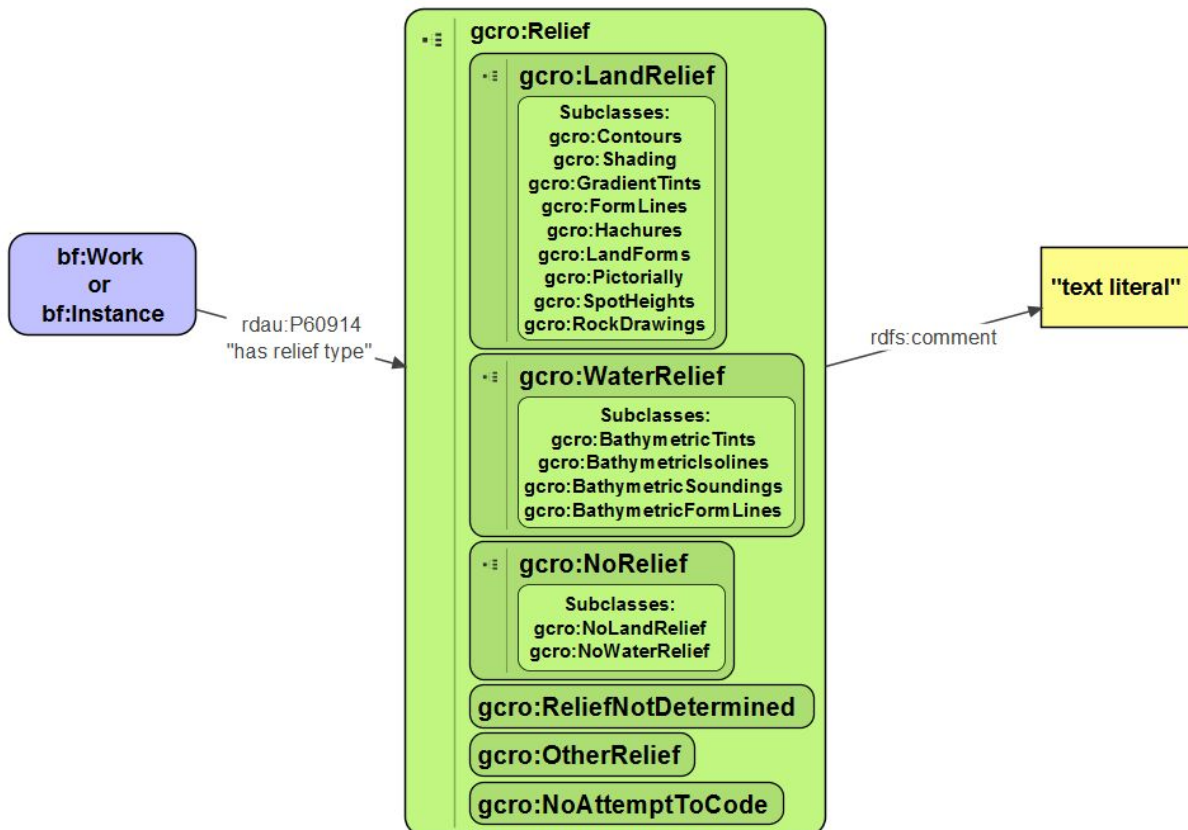   gcro:ReliefNotDetermined

Object Properties

rdau:P60914 ["has relief type"]

Data Properties

rdfs:comment

Illustration

Examples

Example 1 - Relief shown by contours. Contour interval 10 meters.

:work1 rdau:P60914 :relief1 .

```
:relief1 a gcro:Contours ;
        rdfs:comment " Contour interval 10 meters." .
```

Example 2 - Relief shown by hachures and spot heights. Depths shown by soundings.

```
:work2 rdau:P60914 :relief2a, :relief2b, :relief2c .

:relief2a a gcro:Hachures .

:relief2b a gcro:SpotHeights .

:relief2c a gcro:BathymetricSoundings .
```

Example 3 - No Relief shown

```
:work3 rdau:P60914 :relief3 .

:relief3 a gcro:NoRelief .
```

Example 4 - Relief unknown

```
:work4 rdau:P60914 :relief4 .

:relief4 a gcro:ReliefNotDetermined .
```