

# EarthResourceML Features

The EarthResourceML collection of features represent the complex multi-commodity mine and mineral occurrence features.

Schema Info:

EarthResourceML Version	Schema link	Documentation
v2.0	<a href="#">Earth Resource ML v2.0</a>	<a href="#">Documentation</a>

## Mine

Mine contains the following mandatory properties:

- identifier
- shape
- status
- mineName (required by portals)

However, GGIC best practice is to populate as many of the schema elements/attributes as possible where data exists.

Note: If updating from v1 to v2 change the second gml:name into the correct identifier element and keep the first gml:name as the correct one.

eg.

```
<gml:identifier codeSpace="http://www.ietf.org/rfc/rfc2616">http://gsnsw.rrc.csiro.au/resource/feature/gsnsw/mine/101027</gml:identifier>
<gml:name codeSpace="http://www.resources.nsw.gov.au/minerals">Dobroyde Prospect</gml:name>
```

## Complete Mine Example

```

<wfs:FeatureCollection xmlns:wfs="http://www.opengis.net/wfs" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:swe="http://www.opengis.net/swe/2.0" xmlns:gml="http://www.opengis.net/gml" xmlns:ogc="http://www.opengis.net/ogc" xmlns:ows="http://www.opengis.net/ows" xmlns:gsmlu="http://xmlns.geosciml.org/Utilities/3.2" xmlns:er="http://xmlns.earthresourceml.org/EarthResource/2.0" xmlns:ama="http://www.ga.gov.au/" xmlns:gsml="http://xmlns.geosciml.org/GeoSciML-Core/3.2" xmlns:erl="http://xmlns.earthresourceml.org/earthresourceml-lite/1.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" numberOfFeatures="1" timeStamp="2017-09-18T06:50:50.211Z" xsi:schemaLocation="http://xmlns.earthresourceml.org/EarthResource/2.0 http://schemas.earthresourceml.org/2.0/earthresourceml.xsd http://www.opengis.net/wfs http://schemas.opengis.net/wfs/1.1.0/wfs.xsd">
  <gml:featureMembers>
    <er:Mine gml:id="ga.er.mine.333286">
      <gml:identifier xmlns:null="http://www.opengis.net/gml/3.2">http://pid.geoscience.gov.au/feature/ga/er/mine/333286</gml:identifier>
      <er:occurrence>
        <er:MiningFeatureOccurrence>
          <er:positionalAccuracy>
            <swe:Quantity>
              <swe:uom code="m" xlink:href="http://pid.geoscience.gov.au/def/voc/UoM/m" xlink:title="metres"/>
              <swe:value>100.0</swe:value>
            </swe:Quantity>
          </er:positionalAccuracy>
          <er:shape>POINT (147.0912532067 -36.1153878342)</er:shape>
        </er:MiningFeatureOccurrence>
      </er:occurrence>
      <er:mineName>
        <er:MineName>
          <er:mineName>Bethanga</er:mineName>
        </er:MineName>
      </er:mineName>
      <er:status xlink:href="http://resource.geosciml.org/classifier/cgi/mine-status/historic" xlink:title="historic"/>
    </er:Mine>
  </gml:featureMembers>
</wfs:FeatureCollection>

```

mineral occurrence