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</table>
Exploration permits

Coal
- EPC application
- EPC granted

Mineral
- EPM application
- EPM granted
- Special
  - EPM special application
  - EPM special granted

Mineral development licence
- MDL application
- MDL permit application
- MDL access application
- MDL granted
- MDL permit granted
- MDL access granted

Petroleum
- ATP application
- ATP granted
- Petroleum PCA application
- Petroleum PCA granted

Geothermal
- EPG application
- EPG granted

Greenhouse gas
- EPQ application
- EPQ granted

Offshore petroleum (source NOPTA)
- OEP application
- OEP granted

Production permits

Mining claim
- MC application
- MC permit application
- MC access application
- MC granted
- MC permit granted
- MC access granted

Mining lease
- ML application
- ML permit application
- ML surface area application
- ML access application
- ML granted
- ML permit granted
- ML surface area granted
ML access granted

**Petroleum lease**
- PL application
- PL granted

**Greenhouse lease**
- QL application
- QL granted

**Geothermal lease**
- GL application
- GL granted

**Infrastructure permits**

**Mining lease infrastructure**
- ML infrastructure application
  - ML infrastructure permit application
  - ML infrastructure surface area application
  - ML infrastructure access application
- ML infrastructure granted
  - ML infrastructure permit granted
  - ML infrastructure surface area granted
  - ML infrastructure access granted

**Pipeline licence area**
- PPL application area
- PPL granted area

**Pipeline licence centre line**
- PPL application centre line
- PPL granted centre line

**Petroleum facility licence**
- PFL application
- PFL granted

**Information permits**

**Petroleum survey licence**
- PSL application
- PSL granted

**Data acquisition authority**

**Permit administration areas**

**Moratorium**
- Moratorium area mineral
- Moratorium area special

**Advertised area**
- Advertised area geothermal
- Advertised area greenhouse gas
- Advertised area petroleum
- Advertised area coal
- Advertised area mineral
Proposed advertised area petroleum
Proposed advertised area coal
Proposed advertised area mineral

**Historical exploration permits**

**Mineral**
- Historical EPM prior to 1961
- Historical EPM 1961 to 1970
- Historical EPM 1971 to 1980
- Historical EPM 1981 to 1990
- Historical EPM 1991 to 2000
- Historical EPM 2001 to 2010
- Historical EPM after 2010

**Coal**
- Historical EPC prior to 1971
- Historical EPC 1971 to 1980
- Historical EPC 1981 to 1990
- Historical EPC 1991 to 2000
- Historical EPC 2001 to 2010
- Historical EPC after 2010

**Historical EPG**

**Historical EPQ**

**Petroleum**
- Historical ATP prior to 1961
- Historical ATP 1961 to 1970
- Historical ATP 1971 to 1980
- Historical ATP 1981 to 1990
- Historical ATP 1991 to 2000
- Historical ATP 2001 to 2010
- Historical ATP after 2010

**Mineral development licence**
- Historical MDL extent
- Historical MDL access

**Historical production permits**

**Historical mining claim**
- Historical MC extent
- Historical MC access

**Historical mining lease**
- Historical ML extent
- Historical ML surface area
- Historical ML access

**Historical mining lease (points)**
- Historical ML application
- Historical ML granted

**Historical mineral freehold selection (points)**
- Historical MFS application
- Historical MFS granted
Historical geothermal lease
Historical greenhouse lease
Historical petroleum lease

**Historical infrastructure permits**

Historical pipeline licence centre line

**Historical permit administration areas**

**Historical advertised area**
  - Historical advertised area geothermal
  - Historical advertised area petroleum
  - Historical advertised area greenhouse gas
  - Historical advertised area coal
  - Historical advertised area mineral

**Boreholes**

**Boreholes by type**
  - Boreholes petroleum
  - Boreholes CSG
  - Boreholes mineral
  - Boreholes stratigraphic
  - Boreholes coal
  - Boreholes water (P&G Act)
  - Boreholes greenhouse gas storage

**Boreholes core, cutting or sidewall held**

**Boreholes hylogged**

**Ground and surface water monitoring**

**Groundwater bores**
  - Registered water bores (DNRME and private)

Groundwater monitoring
  - Current water level monitoring bores (DNRME)
  - Past water monitoring and investigation bores (DNRME)
  - Water monitoring bores with near real time data (DNRME)
  - All mine monitoring water bores (DNRME and private)
  - Mine monitoring water bores with water levels (DNRME and private)
  - CSG monitoring water bores
    - Surat CMA underground water impact reporting monitoring bores (DNRME and private)
    - CSG online monitoring bores (DNRME and private)
    - CSG net monitoring bores (Private)

**Surface water monitoring**
  - DNRME open gauging stations
  - DNRME closed gauging stations
**Cadastre**

- Cadastre (DCDB) parcel
- Cadastre (DCDB) parcel > 1 ha
- Cadastre (DCDB) parcel > 10 ha
- Cadastre (DCDB) parcel > 1000 ha
- Lease and reserve tenure
- Road parcel
- Properties
- Stock route

**Administrative boundaries**

- Australian census data–statistical area level 3 (SA3)
- Block and sub–block
  - Block identification map index
  - Block
  - Sub–block
- Collaborative exploration initiative
- Federal electorate
- Local authority
- Maritime boundary
  - Coastal water
  - Continental shelf
  - Exclusive economic zone
  - Scheduled area–Petroleum (Submerged Lands) Act 1967 (Cth)
  - Territorial sea
  - Torres Strait protected zone
- Mining district
- Mining region
- North West Minerals Province
- North West QLD Mineral and Energy Province
- State electorate

**Survey control**

- CORS sites
- Survey control marks
  - Datum GDA fixed by GNSS
  - Derived GDA fixed by survey
  - Derived GDA fixed by other
- Survey control-benchmark

**Native Title**

- Aboriginal and Torres Strait Islander land
  - ATSIL-freehold land
  - ATSIL-reserve
  - Deed of Grant in Trust
Designated landscape area
Indigenous Land Use Agreement-expired
Indigenous Land Use Agreement-private
Indigenous Land Use Agreement-state
Land subject to Native Title-indication only
Native Title claim determination
Native Title claim application
Representative Aboriginal and Torres Strait Islander Body (RATSIB) area

Unavailable land

Commonwealth acquisition (unavailable)
Conservation park
Fish habitat area A
Forest reserve
Fossicking area
National park
Scientific purposes reserve
Torres Strait protection zone
World heritage area

Constrained land

Commonwealth acquisition (constrained)
Coordinated conservation area
Designated fossicking land
DAF research site
Endangered regional ecosystem
Fish habitat area B
General permission area
Mining policy decision
Miscellaneous noting
Nature refuge
Priority agricultural area
Priority living area
Queensland marine park
Regional open space system
Reserve
Resources reserve
Restricted area
Restricted area 384-urban
State development area
State forest
State forest
State forest feature protection
State forest park
State forest scientific area
Forest consent area
Forest entitlement area A
Forest management area
Quarry resource
Plantation licence area
Timber reserve

State heritage place
Strategic cropping land
SCL criteria zone
SCL criteria sub-zone
SCL trigger map

Strategic environmental area (SEA)
SEA
SEA—designated precinct

Surat Basin transitional area
Wild rivers (repealed)
Wild rivers designated urban management area
Wild rivers special floodplain management area
Wild rivers high preservation area
Wild rivers nominated waterway
Wild rivers preservation area
Wild rivers special floodplain management area
Wild rivers sub-artesian management area

Resources

Coal resource
Coal mine
Coal mine (care and maintenance)
Historical coal workings
Advanced coal project
Coal project
Coal occurrence

Extractive resource (KRA)
Proposed
KRA transport route proposed
KRA transport route separation area proposed
KRA resource/processing area proposed
KRA separation area proposed
Approved
KRA transport route
KRA haulage corridor
KRA transport route separation area
KRA separation area
KRA resource/processing area

Mines and mineral resource (MINOCC)
Mines and mineral occurrence by status
Mines and mineral occurrence by commodity
Operating mine
Care and maintenance
Historical workings
Mineral occurrence
Petroleum resource
Petroleum resource site

Water

Water plan area except GABORA
Groundwater management area except GABORA
GABORA 2017 water plan management area
Drainage basin extent
Drainage basin

Map index

1:100k map index
1:250k map index

Structural framework

Structural framework all
Structural framework by orogen
Jurassic–Cretaceous Basins
  Carpentaria Basin
  Clarence–Moreton Basin
  Eromanga Basin
  Laura Basin
  Maryborough Basin
  Mulgildie Basin
  Nambour Basin
  Styx Basin
  Surat Basin
  Whitsunday Province
Triassic Basins
  Burketown Depression
  Callide Basin
  Canobie Depression
  Esk Basin
  Ipswich Basin
  Tarong Basin
Permian–Triassic Basins
  Bowen Basin
  Calen Basin
  Cooper Basin
  Galilee Basin
  Gamboola Basin
  Lakefield Basin
  Ngarrabullgan Basin
  Olive River Basin
  Cape York–Oriomo Province
Devonian–Carboniferous Basins
  Adavale Basin
Barrolka Depression
Belyando Basin
Bundock Basin
Burdekin Basin
Clarke River Basin
Drummond Basin
Gilberton Basin
Pascoe River Basin
Warrabin Trough
Centrailian Superbasin
Georgina Basin
Basins of unknown age
Inorunie Basin
Millungera Basin
New England Orogen
Gympie Province
Connors–Auburn Province
   Auburn Subprovince
   Connors Subprovince
Yarrol Province
   Berserker Subprovince
   Campwyn Subprovince
   Grantleigh Subprovince
   Nogo Subprovince
   Rockhampton Subprovince
   Stoodleigh Subprovince
Wandilla Province
   Beenleigh Subprovince
   Coastal Subprovince
   North D'Aguilar Subprovince
   South D'Aguilar Subprovince
   Yarraman Subprovince
Woolomin Province
   Silver Spur Subprovince
   Texas Subprovince
Calliope Province
   Awoonga Subprovince
   Capella Subprovince
   Craiglee Subprovince
   Erebus Subprovince
   Philpott Subprovince
Marlborough Province
Silverwood Province
New England Orogen extent
Mossman Orogen
Broken River Province
   Camel Creek Subprovince
   Graveyard Creek Subprovince
Hodgkinson Province
   Chillagoe Subprovince
Palmer–Barron Subprovince
Mossman Orogen extent
Thomson Orogen
Neoproterozoic–Early Paleozoic Provinces
  Anakie Province
  Barnard Province
  Charters Towers Province
  Fork Lagoons Subprovince
  Greenvale Province
  Iron Range Province
  Mount Windsor Subprovince
  Warburton Basin
Thomson Orogen extent
Proterozoic Provinces
  Mesoproterozoic
    South Nicholson Basin
    Croydon Province
    Savannah Province
  Paleoproterozoic-Mesoproterozoic
    Etheridge Province
    McArthur Basin
    Mount Isa Province
    North Australian Craton extent

Geology

Observation points
  Field sites
  Primary structures
  Tectonic structures
  Fossil sites
  Isotopic dating sites
  Other structural measurements
Detailed 1:100k
  Detailed structure
    Detailed geological boundaries
    Detailed faults and shear zones
    Detailed folds
    Detailed dykes, veins or sills
    Detailed markers, marker beds or marker bands
    Detailed lineaments
    Detailed joints and fractures
    Detailed trends and dips
    Detailed volcanic features
    Detailed other natural features
    Detailed other features
  Detailed surface geology extent
  Detailed surface geology
  Detailed solid geology extent
  Detailed solid geology
**Regional 1:500k, 1:1M**
Regional geology extent
  - Regional Bowen Basin extent
  - Regional Burdekin River extent
  - Regional Cape York Peninsula extent
  - Regional Carpentaria-Karumba Basins extent
  - Regional Central Eromanga Basin extent
  - Regional Georgina Basin extent
  - Regional Hodgkinson-Laura Basins extent
  - Regional Moreton Region extent
  - Regional Mount Isa Inlier extent
  - Regional Northern Eromanga Basin extent
  - Regional Northwestern Eromanga Basin extent
  - Regional Southern Thomson Orogen extent
  - Regional Surat Basin extent
  - Regional Torres Strait extent
  - Regional Townsville Hinterland extent
Regional Bowen Basin structure
Regional Bowen Basin solid geology
Regional Burdekin River structure
Regional Burdekin River surface geology
Regional Cape York Peninsula structure
Regional Cape York Peninsula surface geology
Regional Carpentaria-Karumba Basins structure
Regional Carpentaria-Karumba Basins surface geology
Regional Central Eromanga Basin structure
Regional Central Eromanga Basin surface geology
Regional Georgina Basin structure
Regional Georgina Basin surface geology
Regional Hodgkinson-Laura Basins structure
Regional Hodgkinson-Laura Basins surface geology
Regional Moreton Region structure
Regional Moreton Region surface geology
Regional Mount Isa Inlier structure
Regional Mount Isa Inlier surface geology
Regional Northern Eromanga Basin structure
Regional Northern Eromanga Basin surface geology
Regional North western Eromanga Basin structure
Regional North western Eromanga Basin surface geology
Regional Southern Thomson Orogen structure
Regional Southern Thomson Orogen solid geology
Regional Surat Basin structure
Regional Surat Basin surface geology
Regional Torres Strait structure
Regional Torres Strait surface geology
Regional Townsville Hinterland structure
Regional Townsville Hinterland surface geology

**State 1:2M**
State structure
  - State geological boundaries
State faults
State folds
State natural and cartographic features
State surface geology

**Geophysics**

**Airborne geophysical survey**
- Airborne exploration survey-available
- Airborne exploration survey-unavailable
- Airborne state survey
- Airborne federal survey
- Airborne open range survey
- Airborne multi-client survey

**Gravity survey**
- Gravity base station
- Gravity data station
- Regional gravity survey

**Magnetotelluric survey**

**Seismic survey**
- Seismic survey 2D
- Seismic survey 3D
- Seismic survey deep

**Hyperspectral survey**
ASTER map tiles

**Infrastructure**

- Qld TMI magnetic image
- Qld variable RTP image
- Qld variable RTP 1VD image
- Qld radiometric image
- Qld complete BA gravity image
- Seismic survey C horizon

**Power stations**
ENERGEX network
ENERGEX substations
ERGON network
ERGON substations
Transmission network 10km corridor
Transmission network 30km corridor
Gas and water pipelines

**Analytical data**
Clay mineralogy Eromanga Basin
Whole rock mineralogy Eromanga Basin
Whole rock mineralogy Galilee Basin
Whole rock mineralogy Surat Basin

Products

GIS packages
Map products
  Nationwide
  Regional
  Series and special
  Statewide

Base maps

Satellite imagery-ESRI
Satellite imagery
Topography
Queensland basemap grey
Queensland basemap lite
Queensland basemap relief
Queensland place names
Contours
Road
Railway
## Feature Actions

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<th>Name</th>
<th>What it does</th>
<th>Layers</th>
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<tbody>
<tr>
<td>Advanced Intersect Report</td>
<td>Finds anything that overlaps your area and creates a report in Excel</td>
<td>All layers</td>
</tr>
<tr>
<td>Buffer</td>
<td>Can create a buffer around a boundary between -10,000 and 10,000 metres</td>
<td>All layers</td>
</tr>
<tr>
<td>Field Inspection Report</td>
<td>Creates a PDF and/or CSV of the points of an area-can select whether you would like accesses and/or surface areas depending on the layer. Exploration permits-mineral development licence-application and grant Production permits-mining claim-application and grant Production permits-mining lease-application and grant Infrastructure permits-mining lease-application and grant</td>
<td>All layers, Exploration permits, Mineral Development, Mining Claim, Mining Lease, Infrastructure Permit</td>
</tr>
<tr>
<td>Generate short report – Permit template</td>
<td>Creates a short report as a PDF of the attributes of a feature with a link to QDEX Reports. Most permit layers except point data under historic production permits.</td>
<td>All permit layers except point data under historic production permits</td>
</tr>
<tr>
<td>Generate short report – Generic template</td>
<td>Creates a short report as a PDF of the attributes of a feature. Most layers except the permit layers as above.</td>
<td>All layers, Permit layers</td>
</tr>
<tr>
<td>Intersect Topics</td>
<td>Uses a topic and any chosen layer/s to show intersections.</td>
<td>All topics, except the “Topography” one</td>
</tr>
<tr>
<td>Download data (if available)</td>
<td>Opens GSQ open data portal and queries a feature - <a href="https://geoscience.data.qld.gov.au/seismic/%7BSURVEY_NO%7D">https://geoscience.data.qld.gov.au/seismic/{SURVEY_NO}</a></td>
<td>Seismic 2D and 3D</td>
</tr>
<tr>
<td>Open QDEX reports</td>
<td>Opens a specified website - <a href="https://qdexguest.dnr.m.qld.gov.au/portal/site/qdex/">https://qdexguest.dnr.m.qld.gov.au/portal/site/qdex/</a></td>
<td>Historical layers</td>
</tr>
<tr>
<td>Resource Authority Report</td>
<td>Creates a report from MyMinesOnline - <a href="https://myminesonlineservices.business.qld.gov.au/Web/PublicEnquiryReport.htm?permitType=%7BPermitTypeAbbreviation%7D&amp;permitNumber=%7BPermitNumber%7D">https://myminesonlineservices.business.qld.gov.au/Web/PublicEnquiryReport.htm?permitType={PermitTypeAbbreviation}&amp;permitNumber={PermitNumber}</a></td>
<td>All current permit layers</td>
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<tr>
<td>Zoom to feature</td>
<td>Zooms to a feature</td>
<td>All layers</td>
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## Layer Actions

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<th>Layers</th>
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<tbody>
<tr>
<td>Metadata</td>
<td>A link to sources of data downloads like QSpatial or NNTT</td>
<td>Where available</td>
</tr>
<tr>
<td>Hide labels</td>
<td>Can toggle labels on or off</td>
<td>All layers</td>
</tr>
<tr>
<td>Query layer attributes</td>
<td>Query layers</td>
<td>All layers</td>
</tr>
<tr>
<td>Zoom to layer extent</td>
<td>Zooms to the layer</td>
<td>All layers</td>
</tr>
<tr>
<td>Make this the only visible layer</td>
<td>Toggles other layers on or off</td>
<td>All layers</td>
</tr>
<tr>
<td>Name</td>
<td>What it does</td>
<td>Layers</td>
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<tr>
<td>Moratorium Area Report</td>
<td>Creates a PDF of relevant sub-blocks up to a specific date</td>
<td>Moratorium area mineral and moratorium area special</td>
</tr>
<tr>
<td>Open QDEX reports</td>
<td>Opens a specified website - <a href="https://qdexguest.dnrm.qld.gov.au/portal/site/qdex/">https://qdexguest.dnrm.qld.gov.au/portal/site/qdex/</a></td>
<td>Current and historical permits and boreholes</td>
</tr>
<tr>
<td>Open Web Map Service</td>
<td>A link to a web map service: <a href="https://gisservices.information.qld.gov.au/arcgis/rest/services/Imagery/QldBase_AllUsers/ImageServer">https://gisservices.information.qld.gov.au/arcgis/rest/services/Imagery/QldBase_AllUsers/ImageServer</a></td>
<td>Satellite imagery</td>
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<td><a href="https://services.arcgisonline.com/ArcGIS/rest/services/World_Imagery/MapServer">https://services.arcgisonline.com/ArcGIS/rest/services/World_Imagery/MapServer</a></td>
<td>World imagery – ESRI</td>
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<td><a href="https://gisservices.information.qld.gov.au/arcgis/rest/services/Economy/MinesPermitsHistoric/MapServer">https://gisservices.information.qld.gov.au/arcgis/rest/services/Economy/MinesPermitsHistoric/MapServer</a></td>
<td>Historical permits</td>
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<td><a href="https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscienceInformation/AnalyticalData/MapServer">https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscienceInformation/AnalyticalData/MapServer</a></td>
<td>Analytical data</td>
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<td><a href="https://gisservices.information.qld.gov.au/arcgis/rest/services/Boundaries/MiningAdministrativeAreas/MapServer">https://gisservices.information.qld.gov.au/arcgis/rest/services/Boundaries/MiningAdministrativeAreas/MapServer</a></td>
<td>Structural framework</td>
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<tr>
<td>Search for resource authorities (LAMP)</td>
<td>A link to public searches for resource authorities</td>
<td>Current permits, cadastre and local authorities</td>
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