

GeoResGlobe

Data layers catalogue

February 2021

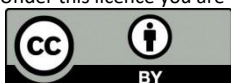


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Exploration permits

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

GSQ Open Data Portal

Report index

Collaborative drilling initiative rounds 1 to 10

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

Petroleum wells

Coal seam gas wells

Mineral boreholes

Stratigraphic boreholes

Coal boreholes

Water bores (P&G Acts/other)

Greenhouse gas wells

Core/cuttings held by Queensland government core facilities

Boreholes with hylogger data

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 routes**
 - Stock route
 - Stock route reserve
 - Proposed stock routes

Administrative boundaries

- Australian census data—statistical area level 3 (SA3)**
- Block and sub-block**
 - Block identification map index
 - Block
 - Sub-block
- 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
Coordinated projects - The Coordinator General
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
- Quarry resource access
- Plantation licence area
- Timber reserve

State heritage place

Strategic cropping land (SCL)

- 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
- Centralian 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
 - Craigilee 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

Geophysical imagery

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

Infrastructure

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

- Atlas map
- Gemfields map
- Geochemistry map
- Geology map
- Geophysical map
- Groundwater map
- Index map
- Industrial rock map
- Mine map
- Mineral occurrence map
- Miscellaneous map
- Permit map
- Resource map

Elevation

- Contours
- Hillshade traditional
- Hillshade multidirectional
- Mountains and ranges**
 - Mountains
 - Ranges

Base maps

- Satellite imagery
- Satellite imagery-ESRI
- Topography
- Queensland basemap grey
- Queensland basemap lite
- Queensland basemap relief
- Queensland place names
- Road
- Railway

Feature Actions

Name	What it does	Layers
Advanced Intersect Report	Finds anything that overlaps your area and creates a report in Excel	All layers
Buffer	Can create a buffer around a boundary between -10,000 and 10,000 metres	All layers
GSQ Open Data Portal	Searches for data and or reports associated with the selected feature/s in the GSQ Open Data Portal .	All permit layers, Report index, Boreholes, Seismic survey 2D, Seismic survey 3D, Seismic survey deep, Airborne geophysics layers, Magnetotelluric survey and Hyperspectral survey
Field Inspection Report	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
Generate short report – Permit template	Creates a short report as a PDF of the attributes of a feature with a link to QDEX Reports	All permit layers except point data under historic production permits
Generate short report – Generic template	Creates a short report as a PDF of the attributes of a feature	All layers except the permit layers as above
Intersect	Finds anything that overlaps your area between -10,000 and 10,000 metres	All layers
Intersect Topics	Uses a topic and any chosen layer/s to show intersections	All topics except the “Topography” one
Open QDEX reports	Opens a specified website - https://qdexquest.dnrm.qld.gov.au/portal/site/qdex/	Historical layers
Resource Authority Report	Creates a report from MyMinesOnline - https://myminesonlineservices.business.qld.gov.au/Web/PublicEnquiryReport.htm?permitType={PermitTypeAbbreviation}&permitNumber={PermitNumber}	All current permit layers
Zoom to feature	Zooms to a feature	All layers

Layer Actions

Name	What it does	Layers
Metadata	A link to sources of data downloads like QSpatial or NNTT	Where available
Hide labels	Can toggle labels on or off	All layers
Query layer attributes	Query layers	All layers
Zoom to layer extent	Zooms to the layer	All layers
Make this the only visible layer	Toggles other layers on or off	All layers
Download seismic survey 2D stations	Opens a specified website - http://qldspatial.information.qld.gov.au/catalogue/custom/search.page?q=%22Seismic	Seismic 2D
Moratorium Area Report	Creates a PDF of relevant sub-blocks up to a specific date	Moratorium area mineral and moratorium area special
Open MyMinesOnline	Opens a specified website - https://myminesonline.business.qld.gov.au/suite/apps	Current and Historical permits

Name	What it does	Layers
Open QDEX reports	Opens a specified website - https://qdexguest.dnrm.qld.gov.au/portal/site/qdex/	Current and historical permits and boreholes
Open QImagery	Opens a specified website - https://qimagery.information.qld.gov.au/	Satellite imagery
Open QTopo	Opens a specified website - http://qtopo.dnrm.qld.gov.au/Mobile/	Topography
Open search for survey plans	Opens a specified website - https://www.business.qld.gov.au/industries/building-property-development/titles-property-surveying/titles-property/searches-copies	Production and infrastructure mining leases and boreholes
Open Web Map Service	A link to a web map service: https://gisservices.information.qld.gov.au/arcgis/rest/services/Imagery/QldBase_AllUsers/ImageServer https://services.arcgisonline.com/ArcGIS/rest/services/World_Imagery/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/Economy/MinesPermitsCurrent/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/Economy/MinesPermitsHistoric/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformationAnalyticalData/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/Boreholes/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/InlandWaters/GroundAndSurfaceWaterMonitoring/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/GeologyDetailed/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/GeologyObservations/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/GeologyRegional/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/GeologyState/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/Geophysics/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/MiningResources/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/GeoscientificInformation/StructuralFramework/MapServer https://gisservices.information.qld.gov.au/arcgis/rest/services/Boundaries/MiningAdministrativeAreas/MapServer	Satellite imagery World imagery – ESRI Current permits Historical permits Analytical data Boreholes Ground and surface water monitoring Geology – Detailed 1:100k Geology - Observation points Geology - Regional 1:500k, 1:1M Geology – State 1:2M Geophysics Resources Structural framework Block identification map index, blocks, sub-blocks, mining districts, mining regions, north west Qld mineral and energy province, survey control-benchmark, land subject to Native Title-indication only, fossicking area, general permission area, miscellaneous notings and mining policy decision
Search for resource authorities (LAMP)	A link to public searches for resource authorities	Current permits, cadastre and local authorities