Structure of Datasets

MINERAL RESOURCES TASMANIA

August 2014

Department of Infrastructure,
Energy and Resources

Tasmania
Explore the possibilities

Structure of Datasets
MINERAL RESOURCES TASMANIA
April 2011

INTRODUCTION

Mineral Resources Tasmania is custodian of a number of geoscientific datasets. This guide is for the basic geological datasets – geology, structure, alteration, mineral occurrences, construction material occurrences, drilling and geochemistry. If you require information about these datasets in addition to this guide or wish to report any inconsistencies or errors please email info@mrt.tas.gov.au.

The datum for all horizontal coordinates is the Geodetic Datum of Australia 1994 (GDA94). All heights are on the Australian Height Datum (Tasmania, AHD TAS83). Data is supplied in shapefile format.

GEOLOGY DATASETS

Geology data is available at 1:25 000, 1:250 000 and 1:500 000 scales. The rock code (RCODE) field in the polygon data is unique to each scale. Rock units in the 1:25 000 data have a parent rock unit in the 1:250 000 data. Similarly units in the 1:250 000 data have a parent rock unit in the 1:500 000 data.

The 1:25 000 scale dataset is our most detailed geology and consists of 3 layers: polygons, lines and points. Boundaries are accurate to within 12.5m with the type or level of confidence indictaed. The point layer consists of outcrop and float/lag locations. These were previously captured as 'minimum polygons' within the polygon layer. The 1:25 000 data also has a related dataset of alteration (see Alteration Dataset).

The 1:250 000 scale dataset has been compiled from the 1:50 000 and 1:63 360 Geological Atlas Series of maps and the 1:25 000 Digital Geological Atlas where available. As new 1:25 000 data becomes available the 1:250 000 data is subsequently updated. The rock units have been grouped and the boundaries have been generalised to suit 1:250 000 scale.

The 1:500 000 scale data is derived from the 1:250 000 scale data. The rock units have been grouped and the boundaries have been generalised to suit 1:500 000 scale.

1:25 000 Polygon Features – poly_25.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
RCODE	Long Integer	Numeric code used for rock unit
SYMBOL	Text (12)	Letter symbol for the rock unit which appears on the published map. The letter symbols start with those of the parent unit at 1:250 000 scale.
REGION	Text (254)	Tectono-stratigraphic region
SUPERGROUP	Text (254)	Supergroup or major stratigraphic subdivision.
GRP *Group*	Text (254)	Group name or equivalent.
SUBGROUP	Text (50)	Subgroup name or equivalent.
FORMATION	Text (254)	Formation name or equivalent.
MEMBER	Text (254)	Member or equivalent.
ERA	Text (254)	Geological era.
PERIOD	Text (254)	Geological period.
EPOCH	Text (254)	Geological epoch.
AGE	Text (254)	Subdivision of epoch.
MINAGE	Float	Minimum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS minimum age for the time-rock unit is used.

MAXAGE	Float	Maximum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS maximum age for the time-rock unit is used.
DESCRIPT *Description*	Text (254)	Text description of the rock unit.
RCODE_250K	Long Integer	The RCODE for the parent unit at 1:250 000 scale.
SYMB_250K *Symbol 250K*	Text (12)	Letter symbol for the parent rock unit at 1:250 000 scale.

1:25 000 Point Features – point_25.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
RCODE	Long Integer	Numeric code used for rock unit.
SYMBOL	Text (12)	Letter symbol for the rock unit which appears on the published map. The letter symbol starts with those of the parent unit at 1:250 000 scale.
TYPE	Text (10)	Observation type e.g. outcrop or float.
REGION	Text (254)	Tectono-stratigraphic region.
SUPERGROUP	Text (254)	Supergroup or major stratigraphic subdivision.
GRP *Group*	Text (254)	Group name or equivalent.
SUBGROUP	Text (50)	Subgroup name or equivalent.
FORMATION	Text (254)	Formation name or equivalent.
MEMBER	Text (254)	Member or equivalent.
ERA	Text (254)	Geological era.
PERIOD	Text (254)	Geological period.
EPOCH	Text (254)	Geological epoch.
AGE	Text (254)	Subdivision of epoch.
MINAGE	Float	Minimum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS minimum age for the time-rock unit is used.
MAXAGE	Float	Maximum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS maximum age for the time-rock unit is used.
DESCRIPT *Description*	Text (254)	Text description of the rock unit.

RCODE_250K	Long Integer	The RCODE for the parent unit at 1:250 000 scale.
SYMB_250K *Symbol 250K*	Text (12)	Letter symbol for the parent rock unit at 1:250 000 scale.

1:25 000 Line Features – line_25.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
LINECODE	Long Integer	Numeric code used for the line.
TYPE	Text (254)	Description of the line eg. geological boundary or fault.
CLASS	Text (254)	Class of the line e.g. position approximate or concealed.

1:250 000 Polygon Features – poly_250.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
RCODE	Long Integer	Numeric code used for rock unit.
SYMBOL	Text (12)	Letter symbol for the rock unit which appears on the published map. The letter symbol starts with those of the parent unit at 1:250 000 scale.
REGION	Text (254)	Tectono-stratigraphic region.
SUPERGROUP	Text (254)	Supergroup or major stratigraphic subdivision.
GRP *Group*	Text (254)	Group name or equivalent.
SUBGROUP	Text (50)	Subgroup name or equivalent.
FORMATION	Text (254)	Formation name or equivalent.
MEMBER	Text (254)	Member or equivalent.
ERA	Text (254)	Geological era.
PERIOD	Text (254)	Geological period.
EPOCH	Text (254)	Geological epoch.
AGE	Text (254)	Subdivision of epoch.
MINAGE	Float	Minimum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS minimum age for the time-rock unit is used.
MAXAGE	Float	Maximum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS maximum age for the time-rock unit is used.

DESCRIPT *Description*	Text (254)	Text description of the rock unit.
RCODE_500K	Long Integer	The RCODE for the parent unit at 1:500 000 scale.
SYMB_500K *Symbol 500K*	Text (12)	Letter symbol for the parent rock unit at 1:500 000 scale.

1:250 000 Line Features – line_250.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
LINECODE	Long Integer	Numeric code used for the line.
TYPE	Text (254)	Description of the line e.g. geological boundary or fault.

1:500 000 Polygon Features – poly_500.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
RCODE	Long Integer	Numeric code used for rock unit.
SYMBOL	Text (12)	Letter symbol for the rock unit which appears on the published map. The letter symbol starts with those of the parent unit at 1:250 000 scale.
REGION	Text (254)	Tectono-stratigraphic region.
SUPERGROUP	Text (254)	Supergroup or major stratigraphic subdivision.
GRP *Group*	Text (254)	Group name or equivalent.
SUBGROUP	Text (50)	Subgroup name or equivalent.
FORMATION	Text (254)	Formation name or equivalent.
MEMBER	Text (254)	Member or equivalent.
ERA	Text (254)	Geological era.
PERIOD	Text (254)	Geological period.
EPOCH	Text (254)	Geological epoch.
AGE	Text (254)	Subdivision of epoch.
MINAGE	Float	Minimum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS minimum age for the time-rock unit is used.
MAXAGE	Float	Maximum age for the unit in millions of years BP. Where an accurate age is not available, the accepted IUGS maximum

		age for the time-rock unit is used.
DESCRIPT *Description*	Text (254)	Text description of the rock unit.

1:500 000 Line Features – line_500.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
LINECODE	Long Integer	Numeric code used for the line.
TYPE	Text (254)	Description of the line e.g. geological boundary or fault.

ALTERATION DATASET

A separate layer of data has been created to show various types of alteration / metamorphism across the state. This data is only available at 1:25 000 scale.

1:25 000 Alteration Features – altpoly_25.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
ALTCODE	Long Integer	Numeric code used for the alteration type.
DECRIPT *Description*	Text (254)	Description of the type of alteration / metamorphism.

STRUCTURE DATASETS

Structural data has been captured by digitising from compilation sheets or created from coordinate data in a spreadsheet. There is one location for each measurement, thus if numerous measurements have been made at the same location, there will be multiple points in the dataset with the same coordinates.

There are two datasets, 1:25 000 scale and 1:250 000 scale. Location accuracy has been recorded for the 1:25 000 data.

1:25 000 Structure – struc_25.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
CODE	Long Integer	Numeric code for the type of structural measurement.
STRUCTTYPE	Text (3)	Letter symbol used for structure type.
DESCRIPT *Description*	Text (254)	Description of the structure type.
RCODE	Long Integer	Numeric code for rock unit. – used to record the rock or mineral type of veins or dykes.
ANGLE	Long Integer	Rotation angle of structure symbol - used for screen display or hardcopy output.
DIP	Long Integer	The dip or plunge of the feature. Planar features with unspecified or unknown dip, and linear features with unspecified or unknown plunge are encoded as -1.
AZIMUTH *Dip Direction*	Long Integer	The direction (bearing) of dip or plunge of the feature.
ORIGINATOR	Text (4)	Names of the persons / organisations making the measurement if known.
RELIAB *Reliability*	Long Integer	A code for the reliability of the measurement, so that if multiple readings of the same type are made at a single location a priority may be assigned to the readings. The lowest value has highest priority. A value of 0 indicates unknown reliability.
O_SCALE *Output Scale*	Double	Number to indicate at which output scale, structural symbols will be displayed. Value is scale/1000.
LOC_ACC *Location Accuracy*	Long Integer	The estimated location accuracy of the measurement in metres.
FIELD_NO	Text (8)	The field locality number used by the geologist.
FIELD_BOOK	Text (50)	Field book identifier.
SAMPLE_NO	Text (8)	The sample number used by the geologist for a sample

FIELD NAME	FIELD TYPE	DESCRIPTION
		from this location.
REG_NO *Registration Number*	Text (8)	A unique identifier for the sample within the MRT rock catalogue.
COMMENTS	Text (100)	Comments about the measurement.
RL *Reduced Level*	Long Integer	Elevation of the location in metres above AHD TAS83.

1:250 000 Structure – struc_250.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
CODE	Long Integer	Numeric code for the type of structural measurement.
STRUCTTYPE	Text (3)	Letter symbol used for structure type.
DESCRIPT *Description*	Text (254)	Description of the structure type.
DIP	Long Integer	The dip or plunge of the feature. Planar features with unspecified or unknown dip, and linear features with unspecified or unknown plunge are encoded as -1.
AZIMUTH *Dip Direction*	Long Integer	The direction (bearing) of dip or plunge of the feature.
ANGLE	Long Integer	Rotation angle of structure symbol - used for on screen or hardcopy output.
O_SCALE *Output Scale*	Long Integer	Number to indicate at which output scale, structural symbols will be displayed. Value is scale/1000.

GEOLOGY SOURCE DATASETS

Additional datasets have been created for the 1:250 000 and 1:25 000 scale geology in order to record the sources of the information for the geological map, the type of source information and the geologists responsible for preparing the information for data capture. The type of source information has a bearing on the reliability of the information.

1:25 000 Source – src_25.shp

FIELD NAME	FIELD TYPE.	DESCRIPTION
CODE	Long Integer	Code that links the map polygon to the source information.
COMPILER	Text (254)	The geologist/geologists who compiled the mapping.
RELIAB *Reliability*	Text (254)	A description of the source that provides a measure of the quality of the data or data sources.
PUBYEAR *Published Year*	Text (6)	The year of publication of the reference.
TITLE	Text (254)	Title of the reference used as a source when compiling the mapping.
AUTHORNAME	Text (60)	The author of the reference used as a source when compiling the mapping.
SOURCE	Text (254)	The organisation that published the reference and/or the name of the reference.
VOLUME	Text (36)	The volume of the journal that contains the reference.
PAGES	Text (36)	Page number in the journal that contains the reference

1:250 000 Source – src_250.shp

FIELD NAME	FIELD TYPE.	DESCRIPTION
CODE	Long Integer	Code that links the map polygon to the source information.
COMPILER	Text (254)	The geologist/geologists who compiled the mapping.
RELIAB *Reliability*	Text (254)	A description of the source that provides a measure of the quality of the data or data sources.
PUBYEAR *Published Year*	Text (6)	The year of publication of the reference.
TITLE	Text (254)	Title of the reference used as a source when compiling the mapping.
AUTHORNAME	Text (60)	The author of the reference used as a source when compiling the mapping.

SOURCE	Text (254)	The organisation that published the reference and/or the name of the reference.
VOLUME	Text (36)	The volume of the journal that contains the reference.
PAGES	Text (36)	Page number in the journal that contains the reference.

MINERAL DEPOSITS AND CONSTRUCTION MATERIAL DEPOSITS DATASET

This dataset stores information on all known Tasmanian mineral deposits and mineral occurrences of economic interest. Metallic minerals, industrial minerals, fuel minerals, construction materials and gemstones are all included. Approximately 8000 occurrences are recorded, ranging from major operating mines to minor prospects and abandoned quarries.

Mineral Deposits and Construction Material Deposits – deposits.shp

FIELD NAME	FIELD TYPE	DESCRIPTION
DEPOSIT_ID	Long Integer	Unique number for each deposit occurrence location
NAME *Deposit Name*	Text (50)	The name of the deposit where known. Where the name is unknown, the deposit may be given the Mining Lease number, the name of the watercourse (for alluvial workings), name of the relevant prospector, prospecting association, etc. (if known) or simply be titled "Unnamed". If a series of significant deposits with the same name exists in a limited area, they may be appended A, B, C, etc., or a centroid of the deposits given as a single deposit. Alluvial goldfields and other mineral fields may be denoted in this manner.
ALIAS *Aliases*	Text (254)	Other names that the Deposit may be known as.
PARENT_ID *Parent Deposit ID*	Long Integer	Deposit Id number of a broader deposit, e.g. a mineral field, mine, quarry or prospect, of which this deposit is an integral part.
TYPE *Deposit Type*	Text (254)	Type of working: e.g. mine (ore produced); prospect (no production); mineral field (group of related mines); quarry
COMM_TYPE *Commodity Category*	Text (254)	Broad type of commodity (e.g. Construction material, metallic minerals, industrial mineral).
COMMODITYS *Commodities*	Text (254)	All mineral commodities of economic or potential economic value. The major commodity is listed first.
DESCRIPT *Description*	Text (254)	General informal description of the deposit.
LOCALITY	Text (100)	Nearby geographic features (e.g. towns, topographic features).
LOC_ACC *Location accuracy*	Float	Estimated uncertainty in geographic coordinates in metres.
LOC_METHOD *Location Method*	Text (32)	Method used to determine geographic coordinates for the deposit.
RL *Reduced Level*	Float	Nominal elevation of the deposit in metres above AHD TAS83.

RL_ACC *Reduced Level Accuracy (m)*	Float	The accuracy of the deposit RL in metres.
STATUS *Operational Status*	Text (40)	Present status of mines and quarries: operating, occasionally operating; non-operating (mining suspended but still under lease); abandoned or prospect (and an indication of whether reserves are known),
STATUS_DATE *Operational Status Date*	Text (254)	Date the operational status was last verified.
DEP_SIZE *Deposit Size*	Text (50)	Six broad range categories have been defined to estimate the total in situ size of the deposit (in tonnes for hard-rock deposits, or in m3 for placer and alluvial deposits and construction materials).
RESOURCES	Text (1)	Does the deposit have a known resource – Y or N.
FORM	Text (254)	Overall form(s) of the deposit and/or nature of the mineralisation (e.g. vein). Mostly for metallic and industrial minerals.
STRIKE	Text (10)	Orientation of the principal ore body, where applicable: angle (degrees) of the strike of the deposit, in the range 0-359(°T).
DIP	Text (10)	Orientation of the principal ore body, where applicable: angle (degrees) of dip from horizontal in the range 0-90(°T).
LITHOSTRAT *Lithostratigraphy*	Text (254)	Name of the lithostratigraphical unit of the Host Rock.
HOST_AGE *Host Rock Age*	Text (50)	Age of host rock. Broad chronostratigraphic units hosting the deposit. Two or more host rocks may be defined to cater for discordant deposits that traverse these time/stratigraphic boundaries.
LITHOLOGY	Text (254)	Lithologies of the main host rocks to the mineralisation.
ORE_DESCRT *Ore description*	Text (254)	A brief description of the mineralisation
ORE_GENESS *Ore Genesis*	Text (100)	The metallogenic classification of the mineralisation.
MINERALAGE *Mineralisation Age*	Text (254)	Age of the mineralisation. The age of the primary mineralisation is given if the ore has been remobilised. The age is usually inferred.
ORE_MINS *Ore minerals*	Text (254)	Minerals identified at the deposit.
ANOM_ELEM *Anomalous elements*	Text (254)	Other commodities.
GANGUE	Text (254)	That part of an ore body that is not economically desirable.

EXPL_TYPE *Exploration Type*	Text (100)	The type of exploration which has been undertaken on this deposit. Up to five methods may be entered. Prospecting signifies pits, trenches or shafts. Geological mapping refers to detailed surface and/or underground mapping. Geochemical surveys refer to detailed soil sampling as well as systematic chip sampling of mineralisation and host rocks. Geophysical surveys refers to ground-based techniques related to the deposit. Drilling refers to any drill hole intersecting the deposit.
OUTCROPS *Outcropping*	Text (1)	Deposit outcrops – Y or N.
WEATHERED	Text (1)	Is ore is weathered and or gossanous – Y or N.
XTRCTBLTY *Extractability*	Text (20)	How the construction material is extracted (predominantly by backhoe, excavator, bulldozer or blasting).
USES	Text (254)	Most common usages of the commodity (predominantly for construction materials & Industrial minerals).
TESTS	Text (254)	Physical, geochemical and geophysical analyses (e.g. strength properties, grain size analysis, chemical analysis, seismic velocity).
GENETIC	Text (50)	Simple description of origin of deposit (mainly for construction materials).
DATA_MTLGA *Data Metallogenica*	Text (1)	Has the deposit been added to the Data Metallogenica database – Y or N.
REF *Reference Number*	Text (254)	Reference number to MRT publications, unpublished reports, company reports etc.

DRILL HOLE DATASET

This dataset provides information about drill holes of all types drilled by this department and commercial companies. The dataset contains information on over 23,000 drillholes dating from 1882.

Drilling is undertaken to gain information from the subsurface:
- to search for minerals, industrial materials, oil and gas,
- for engineering purposes such as buildings, highways, bridges and dams,
- for research purposes such as geology and paleoclimatology,
- to monitor active landslips and
- to search for groundwater.

The Government is obligated under Part 6 (s. 117 – 126) and s. 187 –191 of the Mineral Resources Development Act 1995 to ensure that records of drilling are collected and maintained by tenement holders. There is no obligation for MRT to store core from engineering, research and landslide projects, but it is policy to do so where practicable. Groundwater drilling records are not maintained by MRT. Only public domain information and core is made available.

Drill Holes – drilling.shp

FIELD NAME	FIELD TYPE.	DESCRIPTION
DRILL_ID	Long Integer	Unique ID number for each drill hole.
NAME_LOC *Name and Location*	Text (50)	Name and project/location e.g. DDH3 Beulah.
LOCALITIES	Text (254)	Nearest locality and region to this drill hole.
ASSOC_TEN *Associated Tenements*	Text (254)	Tenements associated with this drill hole at the time of drilling.
PURPOSE	Text (254)	Drill hole purpose e.g. Metallic minerals.
COMPANY	Text (254)	Company or agency that contracted the drilling.
DRILLERCAT *Driller Category*	Text (254)	The type of organisation that did the drilling e.g. Private contractor, Department of Mines.
DRILL_TYPE	Text (254)	Method used to drill the hole e.g. diamond.
DATE_DRILL *Date Drilled*	Text (254)	The date the drill hole was drilled.
DATE_ACC *Date Accuracy*	Text (5)	Accuracy of the drill date e.g. year.
CORE_LOC *Core Locations*	Text (254)	Location of core.
LENGTH	Float	Length of the drill hole in metres.

AZIMUTH	Float	Azimuth (bearing) of the start of the drill hole from TRUE north (must be between 0 and 360).
DIP	Float	Angle of hole relative to the horizontal (inclination), with negative values for holes directed downwards and positive values for holes directed upwards (must be between -90 and 90)
ACCURACY	Double	The accuracy of the drill hole position in metres.
LOC_METHOD *Location Method*	Text (254)	Method used to derive geographical coordinates of site.
RL *Reduced Level*	Float	Metres above AHD TAS83.
RL_ACC *Reduced Level Accuracy*	Double	The accuracy of the drill hole RL in metres.
PARENTHOLE *Parent Drill Hole*	Long Integer	Parent Drill Hole ID number.
STARTWEDGE *Start Wedge Down Hole*	Float	Depth down parent hole at which wedge starts.
UNDER_GRND *Collared underground*	Text (1)	Is the drill hole collared from underground workings.
INTERSECTS *Intersections*	Text (254)	Intersections description including From and To e.g. 31-33m: 2m @ 3% Zn, 31-33m: sandstone, 31m: S1 045/20SE.
REPORTS *Related Reports*	Text (254)	Related reports e.g. 93_3492, UR1985_62. These relate to the original drilling and subsequent work e.g. re-logging or re-sampling.
CORESTATUS	Text (6)	Can the public view the physical core for this drill hole.

GEOCHEMISTRY DATASET

The geochemistry dataset consists of all open file geochemistry data in the MRT database.

The geochemistry dataset consists of a point for each analysis. Therefore, a sample may appear more than once where it has been analysed more than once, or if repeats have been analysed. In the columns presenting analysis results -99999 represents a null value (i.e. no analysis done on this analyte), all other negative values represent a below detection limit where the negative value is the detection limit multiplied by minus one. The exception being the fields for H2O+, H2O- and LOI where negative values are valid results data.

Geochemistry – geochem.shp

FIELD NAME	FIELD TYPE.	DESCRIPTION
SAMPLE_ID	Long Integer	A number unique to each sample.
FIELD_NO	Text (30)	A number assigned to the sample by the originator.
REG_NO *Registration Number*	Text (32)	A unique identifier for the sample within the MRT rock catalogue.
PROJECT	Text (254)	Name of any internal MRT projects which the sample is associated.
ORIGINATOR	Text (254)	Name of the person who collected the sample.
SAMPLETYPE	Text (254)	The type of sample which is being described (eg. rock, mineralised)
DESCRIPT *Description*	Text (254)	A general description of the sample.
REFERENCES	Text (254)	Information about references holding information about the sample.
LOCALITY	Text (200)	Text description of the location the sample was taken from.
SITE_TYPE	Text(32)	A basic description of the site where the sample was collected.
LOC_ACC *Location accuracy*	Text (32)	Estimated uncertainty in geographic corrdinate.
LOC_METHOD *Location Method*	Text (32)	Method used to derive geographical coordinates of site.
DRILL_ID	Long Integer	Unique ID number for each drill hole.
DEPTH_FROM	Float	Start depth of drill hole sampling interval in metres.
DEPTH_TO	Float	Finish depth of drill hole sampling interval in metres.
CHRONOSTRAT	Text (254)	Chronostratigraphic description of the rock.

LITHOSTRAT *Lithostratigraphy*	Text (254)	Name of the lithostratigrapic unit the sample has been described as belonging to.
LITHOLOGY	Text (254)	The lithology that the sample has been assigned to.
MINERALS	Text (254)	The significant minerals which have been identified in the sample.
ORE	Text (254)	If an ore sample then the ore type is named here.
ANALYSISID *Analysis ID*	Long Integer	Unique identifier for the analysis information in the MRT database.
MEDIUM	Text (254)	The medium analysed (eg. wholerock, pyroxene, feldspar etc).
PROCESS	Text (254)	A description of how the sample was processed prior to analysis (eg. -80#, BLEG, Polished thinsection).
AL2O3_PER	Double	Aluminium Oxide content of the sample reported in percent.
BAO_PER	Double	Barium Oxide content of the sample reported in percent (Microprobe analyses only).
CO2_PER	Double	Carbon Dioxide content of the sample reported in parts per million.
CAO_PER	Double	Calcium Oxide content of the sample reported in percent.
CE2O3_PER	Double	Cerium Oxide content of the sample reported in percent.
COO_PER	Double	Cobalt Oxide content of the sample reported in percent.
CR2O3_PER	Double	Chromium Oxide content of the sample reported in percent (Microprobe analyses only).
FE2O3_PER	Double	Fe2O3 content of the sample reported in percent.
FE2O3T_PER	Double	All Iron calculated as Fe2O3 reported in percent.
FEO_PER	Double	FeO content of the sample reported in percent.
FEOT_PER	Double	All Iron calculated as FeO reported in percent.
H2OPLS_PER	Double	Water remaining in the sample after it has been heated to 105 degrees celcius reported in percent.
H2OMIN_PER	Double	Water driven from the sample when heated to 105 degrees celcius reported in percent.
K2O_PER	Double	Potassium Oxide content of the sample reported in percent.
LA2O3_PER	Double	Lanthanum Oxide content of the sample reported in percent.
LOI_PER	Double	Loss on Ignition of the sample reported in percent.

MGO_PER	Double	Magnesium Oxide content of the sample reported in percent.
MNO_PER	Double	Manganese Oxide content of the sample reported in percent.
NA2O_PER	Double	Sodium Oxide content of the sample reported in percent.
NIO_PER	Double	Nickel Oxide of the sample reported in percent (Microprobe analyses only).
P2O5_PER	Double	Phosphorus pentoxide content of the sample reported in percent.
PBO_PER	Double	Lead Oxide content of the sample reported in percent.
SIO2_PER	Double	Silicon Dioxide content of the sample reported in percent.
SO3_PER	Double	Total sulphate content of the sample reported in percent.
SRO_PER	Double	Strontium Oxide content of the sample reported in percent (Microprobe analyses only).
STOTAL_PER	Double	Total sulphur content of the sample reported in percent.
SPHATE_PER	Double	Sulphur expressed as percent sulphate content of the sample.
SPHIDE_PER	Double	Sulphur expressed as percent sulphide content of the sample.
TIO2_PER	Double	Titanium Dioxide content of the sample reported in percent.
TOTAL_PER	Double	Total of whole rock analysis of the sample reported in percent.
U3O8_PER	Double	Uranium Oxide content of the sample reported in percent.
V2O3_PER	Double	Vanadium Oxide content of the sample reported in percent. (Microprobe analyses only).
WO_PER	Double	Tungsten Oxide content of the sample reported in percent.
WO3_PER	Double	Tungsten Trioxide content of the sample reported in percent.
Y2O3_PER	Double	Yttrium Oxide content of the sample reported in percent.
ZNO_PER	Double	Zinc Oxide content of the sample reported in percent (Microprobe analyses only).
ZRO2_PER	Double	Zirconium Oxide content of the sample reported in percent (Microprobe analyses only).
AG_PPM	Double	Silver content of the sample reported in parts per million.

AL_PPM	Double	Aluminium content of the sample reported in parts per million.
AS_PPM	Double	Arsenic content of the sample reported in parts per million.
AU_PPM	Double	Gold content of the sample reported in parts per million.
B_PPM	Double	Boron content of the sample reported in parts per million.
BA_PPM	Double	Barium content of the sample reported in parts per million.
BE_PPM	Double	Beryllium content of the sample reported in parts per million.
BI_PPM	Double	Bismuth content of the sample reported in parts per million.
BR_PPM	Double	Bromine content of the sample reported in parts per million.
CA_PPM	Double	Calcium content of the sample reported in parts per million.
CD_PPM	Double	Cadnium content of the sample reported in parts per million.
CE_PPM	Double	Cerium content of the sample reported in parts per million.
CL_PPM	Double	Chlorine content of the sample reported in parts per million.
CO_PPM	Double	Cobalt content of the sample reported in parts per million.
CR_PPM	Double	Chromium content of the sample reported in parts per million.
CS_PPM	Double	Caesium content of the sample reported in parts per million.
CU_PPM	Double	Copper content of the sample reported in parts per million.
DY_PPM	Double	Dysprosium content of the sample reported in parts per million.
ER_PPM	Double	Erbium content of the sample reported in parts per million.
EU_PPM	Double	Europium content of the sample reported in parts per million.
F_PPM	Double	Fluorine content of the sample reported in parts per million.
FE_PPM	Double	Iron content of the sample reported in parts per million.
GA_PPM	Double	Gallium content of the sample reported in parts per million.
GD_PPM	Double	Gadolinium content of the sample reported in parts per million.
GE_PPM	Double	Germanium content of the sample reported in parts per million.

HF_PPM	Double	Hafnium content of the sample reported in parts per million.
HG_PPM	Double	Mercury content of the sample reported in parts per million.
HO_PPM	Double	Holmium content of the sample reported in parts per million.
IN_PPM	Double	Indium content of the sample reported in parts per million.
IR_PPM	Double	Iridium content of the sample reported in parts per million.
K_PPM	Double	Cerium content of the sample reported in parts per million.
LA_PPM	Double	Lanthanum content of the sample reported in parts per million.
LI_PPM	Double	Lithium content of the sample reported in parts per million.
LU_PPM	Double	Lutetium content of the sample reported in parts per million.
MG_PPM	Double	Magnesium content of the sample reported in parts per million.
MN_PPM	Double	Manganese content of the sample reported in parts per million.
MO_PPM	Double	Molybdenum content of the sample reported in parts per million.
NA_PPM	Double	Sodium content of the sample reported in parts per million.
NB_PPM	Double	Niobium content of the sample reported in parts per million.
ND_PPM	Double	Neodymium content of the sample reported in parts per million.
NI_PPM	Double	Nickel content of the sample reported in parts per million.
OS_PPM	Double	Osmium content of the sample reported in parts per million.
P_PPM	Double	Phosphorous content of the sample reported in parts per million.
PB_PPM	Double	Lead content of the sample reported in parts per million.
PD_PPM	Double	Palladium content of the sample reported in parts per million.
PR_PPM	Double	Praseodymium content of the sample reported in parts per million.
PT_PPM	Double	Platinum content of the sample reported in parts per million.
RB_PPM	Double	Rubidium content of the sample reported in parts per million.

RE_PPM	Double	Rhenium content of the sample reported in parts per million.
RH_PPM	Double	Rhodium content of the sample reported in parts per million.
RU_PPM	Double	Ruthenium content of the sample reported in parts per million.
S_PPM	Double	Sulphur content of the sample reported in parts per million.
SB_PPM	Double	Antimony content of the sample reported in parts per million.
SC_PPM	Double	Scandium content of the sample reported in parts per million.
SE_PPM	Double	Selenium content of the sample reported in parts per million.
SI_PPM	Double	Silicon content of the sample reported in parts per million.
SM_PPM	Double	Samarium content of the sample reported in parts per million.
SN_PPM	Double	Tin content of the sample reported in parts per million.
SR_PPM	Double	Strontium content of the sample reported in parts per million.
TA_PPM	Double	Tantalum content of the sample reported in parts per million.
TB_PPM	Double	Terbium content of the sample reported in parts per million.
TE_PPM	Double	Tellurium content of the sample reported in parts per million.
TH_PPM	Double	Thorium content of the sample reported in parts per million.
TI_PPM	Double	Titanium content of the sample reported in parts per million.
TL_PPM	Double	Thallium content of the sample reported in parts per million.
TM_PPM	Double	Thulium content of the sample reported in parts per million.
U_PPM	Double	Uranium content of the sample reported in parts per million.
V_PPM	Double	Vanadium content of the sample reported in parts per million.
W_PPM	Double	Tungsten content of the sample reported in parts per million.
Y_PPM	Double	Yttrium content of the sample reported in parts per million.

YB_PPM	Double	Ytterbium content of the sample reported in parts per million.
ZN_PPM	Double	Zinc content of the sample reported in parts per million.
ZR_PPM	Double	Zirconium content of the sample reported in parts per million.

METADATA

1:25 000 Digital Geology and Structure

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=3d4804a2-392c-40f2-819f-d2351e996554

1:250 000 Digital Geology and Structure

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=aa01ba0b-3523-48cd-8e05-fa24f02e381f

1:500 000 Digital Geology

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=1d4998f4-1417-4d33-80d2-9cb828af77bc

1:25 000 Alteration

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=eb03bf25-103b-46b0-a4f6-67a3d0a64c84

1:25 000 Geology Source

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=9fcf0b76-0f43-4ee3-ab37-d70951beadab

1:250 000 Geology Source

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=64a38bbe-4940-46c4-af40-d9e6bb272ae7

1:25 000 Mineral Deposits

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=e9e1b203-0830-490a-8f42-f817946471ea

1:25 000 Drill Holes

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=e9510877-f10b-4395-a96f-351a7e61f759

1:25 000 Geochemistry

https://data.thelist.tas.gov.au/datagn//srv/eng/main.home?uuid=28c64a32-7bcd-454b-a341-e85ffc5378a5