MINERAL DEPOSIT DATA SHEET:

NAME(S):

MINERAL LEASE: **DEPOSIT NO.:**

COMMODITIES:
principal:
minor:

Mineral Chart:
Previous lease/section no.:
Mine plan no.:
Nearest town:
Recorder(s): Data correct to:

Sheet reference:
Grid reference:
Quadrangle (geology):

STATUS:
- ☐ Operating mine
- ☐ Abandoned mine — reserves known
- ☐ Abandoned mine — reserves unknown
- ☐ Prospect — explored
- ☐ Prospect — unexplored
- ☐ Mineralized area
- ☐ Mineral occurrence

METHOD OF WORKING:
- ☐ Open cut ☐ Pits, trenches, etc. ☐ Dredging and/or sluicing
- ☐ Underground — access by: ☐ Shafts ☐ Adits ☐ Still accessible

Extent of workings: Depth m, Length m, Width m

GEOLOGICAL ENVIRONMENT:
Age of host rocks (E=Early, M=Middle, L=Late, X=Undifferentiated):

pЄ	Є	O	S	D	C	P	℞	J	K	Cz	unknown
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Host rocks (specify rock type, shape, environment of formation):
Intrusive:
Volcanic:
Sedimentary:
Metamorphic:
Relative stratigraphic age (proved):
Post-, boundary:
Pre-, boundary:
Radiometric/Palaeontologic age:
Stratigraphic name(s):

Metamorphic grade of host rocks:
- ☐ Regional
- ☐ Zeolite
- ☐ Greenschist
- ☐ Amphibolite / Granulite
- ☐ Contact
- ☐ Albite-epidote
- ☐ Hornblende / Pyroxene
- ☐ Retrograde

PERIODS OF PRODUCTION (and producer):

PRODUCTION, RESERVES AND GRADE:
Recorded production (est.=estimated):
Ore:
Concentrate:
Metal:
Annual production:
Ore reserves and grade (specify status, reference):

DEPOSIT CLASSIFICATION (tonnes of ore):

Very small	Small	Medium	Large	Very large
☐ $<10^2$	☐ 10^2–10^4	☐ 10^4–10^6	☐ 10^6–10^7	☐ $>10^7$

EXPLORATION OF DEPOSIT:
- ☐ Prospecting
- Geological Mapping: ☐ Surface ☐ Underground
- Geochemistry: ☐ Mineralization ☐ Host rock ☐ Soil
- Geophysics: ☐ Magnetic ☐ Electro-mag. ☐ Electrical ☐ Radiometric ☐ Gravity ☐ Seismic ☐ Well-logging
- Drilling: ☐ Diamond ☐ Auger ☐ Percussion ☐ Other

STRUCTURES (affecting deposit):
- ☐ Fault(s) or shear zone(s)
- ☐ Cleavage, schistosity
- ☐ Joint(s)
- ☐ Fold hinge
- ☐ Fold limb
- ☐ Pre-ore
- ☐ Post-ore
- ☐ Contemporaneous

Description (inc. structural data):

BEDDING (host rock) Strike: Dip:

SIZE OF ORE BODIES (or mineralized area):

Dimensions (m): Name	Length	Width	Depth	Orientation: Strike	Dip	Plunge

MINERALIZATION (in order of abundance; estimated percentage)
Metallic minerals:
Major: Primary:
Secondary:
Minor: Primary:
Secondary:
Non-metallic minerals:
Major: Primary:
Secondary:
Minor: Primary:
Secondary:

FORM OF DEPOSIT (gross relation of deposit to host rock):
- ☐ Stratabound, ☐ Stratiform — Concordant
- ☐ Vein
- ☐ Multiple veins
- ☐ Stockwork
- ☐ Pipe
- ☐ Breccia-fill
- ☐ Lenticular massive
- ☐ Irregular massive
- ☐ Dissemination in host rock
  — Discordant
- ☐ Placer
- ☐ Residual
- ☐ Not determined

ORE GRAIN SIZE
- ☐ Very fine (microscopic)
- ☐ Fine (< 0.5 mm)
- ☐ Medium (0.5–2 mm)
- ☐ Coarse (2–10 mm)
- ☐ Very coarse (> 10 mm)
- ☐ Unknown

WEATHERING EFFECTS
- ☐ Economically important
- ☐ Oxidation, depth m
- ☐ Leaching, depth m
- ☐ Supergene enrichment, depth m
- ☐ Residual enrichment, depth m

WALLROCK ALTERATION (pre-, syn-ore; foot wall/hanging wall)

ORE TEXTURES — MACROSCOPIC:

Imposed:
- ☐ Cataclastic
- ☐ Foliated
- ☐ Recrystallized

Inherited:
- ☐ Massive
- ☐ Disseminated
- ☐ Banded
- ☐ Granular
- ☐ Nodular
- ☐ Vein
- ☐ Veinlet (stringer)
- ☐ Open-space filling
- ☐ Breccia filling
- ☐ Colloform
- ☐ Radiating

ORE TEXTURES — MICROSCOPIC (with references):

ORE GENESIS (with references);

REMARKS:

REFERENCES:

AGE OF MINERALIZATION:
L=Late
M=Middle
E=Early

pЄ	Є	O	S	D	C	P	℞	J	K	Cz	Unknown
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Method: Reference:

Geological Survey Branch, Department of Mines, Tasmania.

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