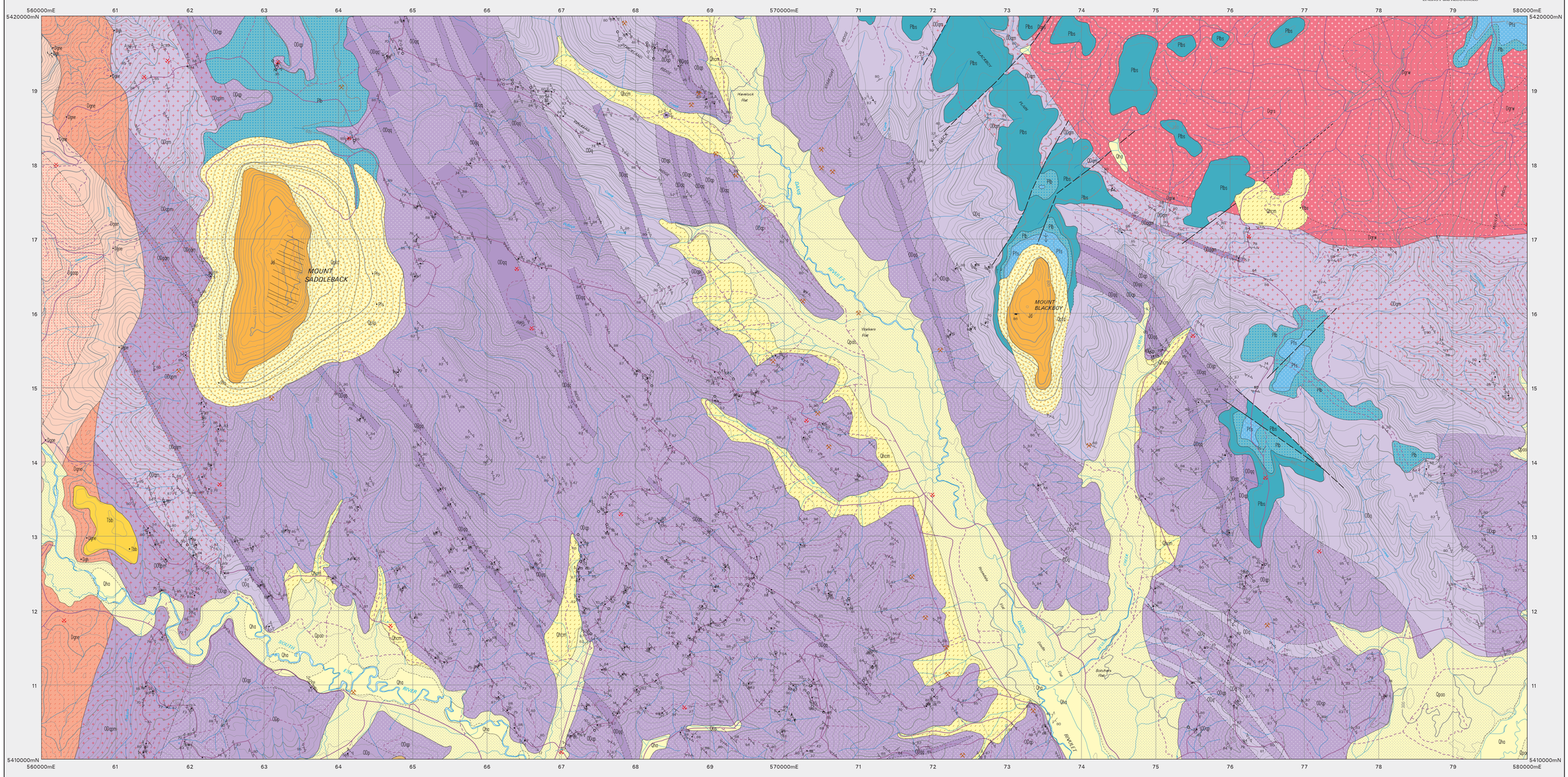
MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
SADDLEBACK, SHEET 5641

SADDLEBACK

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



QUATERNARY

HOLOCENE

Qha — *Stream alluvium, swamp and marsh deposits (Qha).*

Qpao — *Older alluvium of river terraces (Qpao).*

Qhcm — *Colluvium; sand derived from Mathinna Group (Qhcm).*

PLEISTOCENE

Qpt — *Talus consisting dominantly of dolerite boulders (Qptd).*
Talus consisting dominantly of Lower Parmeener rocks (Qptp).

TERTIARY

Tcm — *Conglomerate with rounded clasts of Mathinna Group and very rare weathered dolerite, often partially cemented by iron oxides (Tcm).*

Tbb — *Basanite (Tbb).*

Unconformity

PERMIAN

LOWER PARMEENER SUPERGROUP

Pfs — *Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Pfs).*

Plb — *Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Plb). Dominantly thick-bedded to massive, medium- to coarse-grained quartz sandstone and minor conglomerate (Plbs). (Plb, Plbs: Strickland Gorge Formation).*

Plbs

Unconformity

ORDOVICIAN-SILURIAN (?) -EARLY DEVONIAN

ODq — *Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODq); contact metamorphosed by granitic intrusion (ODqm). Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with significant mudstone (ODqp); contact metamorphosed by granitic intrusion (ODqpm). Quartzite units dominant in quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone (ODqq); contact metamorphosed by granitic intrusion (ODqqm).*

ODqp

ODqpm

ODqq

ODqqm

ODp — *Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with siltstone and mudstone dominant (ODp). (ODq, ODp: Mathinna Group).*

IGNEOUS ROCKS

TERTIARY

Tbb — *Basanite (Tbb).*

JURASSIC

Jd — *Dolerite (Jd).*

MINOR GRANITIC INTRUSIONS

Dgh — *Aplite (Dgh).*

SCOTTSDALE BATHOLITH

DEVONIAN

Dgae — *Generally equigranular medium- to coarse-grained, leucocratic biotite alkali-feldspar granite/adamellite with pale pink feldspar (Dgae).*

Dgaap — *Sparsely to moderately porphyritic (quartz and K-feldspar), fine- to coarse-grained, biotite granite/adamellite (Dgaap). (Dgae, Dgaap: Tombstone Creek pluton).*

Dgne — *Equigranular, coarse to very coarse-grained, biotite +/-hornblende, adamellite/granodiorite with pale pink to white feldspar (Dgne). (Dgne: Russells Road pluton).*

BLUE TIER BATHOLITH

Dgrs — *Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite granodiorite. Locally with a strong grain foliation. Variably but usually strongly magnetic (susceptibility typically .002 to .008 SI) (Dgrs).*

Dgrw — *Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subordinate biotite granodiorite. Locally with a strong grain foliation. Weakly magnetic (susceptibility <. .0005 SI) (Dgrw).*

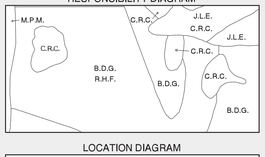
Geological boundary - position approximate
Geological boundary - inferred
Geological boundary - transitional
Fault - position approximate
Fault - inferred
Fault - concealed
Scarp at edge of basalt plateau
Airphoto lineament
Notable small outcrop or float / lag occurrence

Strike and dip of bedding – right way up; overturned; facing unknown.
Strike of vertical bedding, facing unknown.
Generalised palaeocurrent direction, showing sense of movement.
Strike and dip of cleavage – relative local age S1; vertical.
Strike and dip of cleavage or foliation, relative local age S2.
Trend and plunge of bedding/primary cleavage intersection lineation (L1).
Strike and dip of kink band with sense of displacement viewed down plunge of associated kink–folds – dextral; sinistral
Strike of vertical kink band – dextral; sinistral.
Trend and plunge of minor fold hinge line, unspecified relative age.
Strike and dip of dominant joint set.
Strike and dip of dyke or vein with rock or mineral type indicated, vertical.
Trend and plunge of chevron–fold hinge line, unspecified relative age.
Field station for adjacent readings on the map.
Mineral deposit location – hardrock
Mineral deposit location – alluvial
Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
Construction materials location – Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

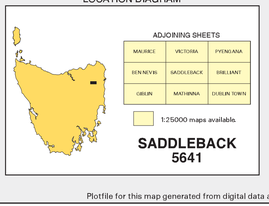
Geology based on:
McCLENAGHAN, M.P.; EVERARD, J.L.; GOSCOMBE, B.D.; FINDLAY, R.H.; CALVER, C.R. 1993.
Geological atlas 1:50 000 series, sheet 40 (8415S). Alberton.
Department of Mines, Tasmania.

Compiled by M.P. McClenaghan.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



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Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.

AGD66 - AMG Zone 55. Contour Interval: 20 metres.

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Plotfile for this map generated from digital data as at: 07-JUN-2007

WARNING: INKS ARE LIGHT SENSITIVE