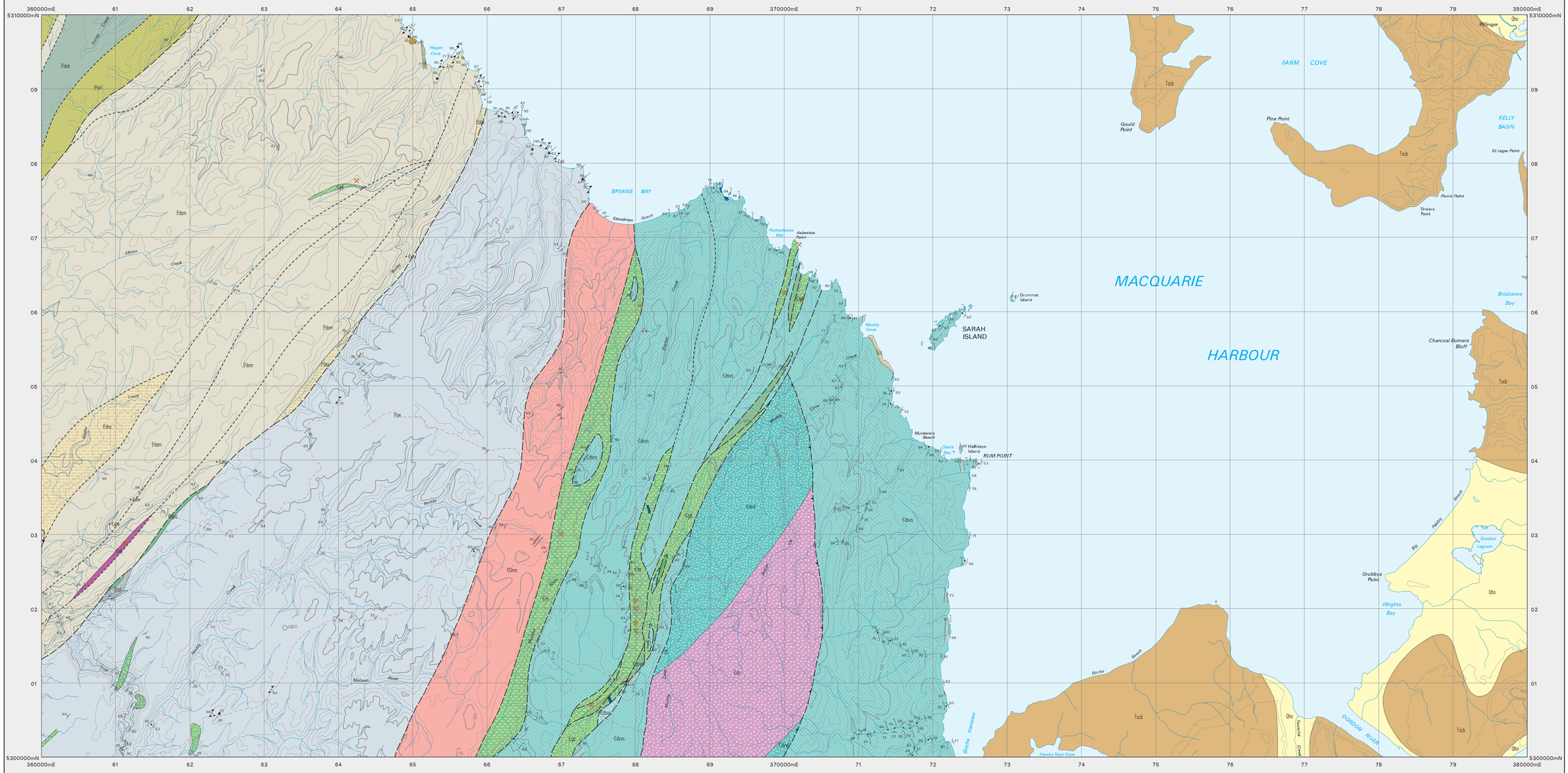
MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
SARAH, SHEET 3630

SARAH

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



CAINOZOIC

QUATERNARY

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

TERTIARY

- **Tcc** — *Siliceous pebble to cobble conglomerate (Tcc).*
- **Tscb** — *Fine to medium grained quartz sandstone with carbonaceous siltstone laminae commonly containing plant stems and leaf impressions (Tscb).*
- **Tfb** — *Silcrete or ferricrete breccia (Tfb).*

PALAEOZOIC

LATE CAMBRIAN

- **Ꞓms** — *Marine sequences of mudstone, siltstone and sandstone with minor conglomerate. Late Cambrian fossils just south of this map sheet at 364500mE 5298200mN (Ꞓms).*
- **Ꞓmsc** — *Dominantly pebble conglomerate (Ꞓmsc).*

CORRELATE OF OVERLAND GROUP

MIDDLE CAMBRIAN

- **Ꞓdsvs** — *Dominantly interbedded grey mudstone and lithicwacke sandstone, with some conglomeratic units. Graded bedding typical. Derivation from metaquartzite and volcanic sources (Ꞓdsvs).*
- **Ꞓdsvc** — *Conglomerate horizons, typically siliciclastic, poorly sorted (Ꞓdsvc).*
- **Ꞓdo** — *Andesitic lavas and breccias, typically feldspar–pyroxene–phyric (part of Noddy Creek Volcanics) (Ꞓdo).*
- **Ꞓdsvl** — *Felsic rhyolitic lavas, typically quartz–feldspar–phyric (part of Noddy Creek Volcanics) (Ꞓdsvl).*
- **Ꞓdsvar** — *Fine–grained rocks of andesite and rhyolite composition, highly sheared in places (Ꞓdsvar).*
- **Ꞓdsvu** — *Schistose possible tuff or lava containing chlorite, quartz and opaques–sheared volcanic rocks of uncertain affinity (Ꞓdsvu).*

CORRELATE OF WESTERN VOLCANOSEDIMENTARY SEQUENCE

CORRELATE OF MOUNT READ VOLCANICS

PROTEROZOIC

NEOPROTEROZOIC

- **Pdvl** — *Mudstone and basaltic lithicwacke sequence (Pdvl).*
- **Pdvb** — *Basalt with minor interbedded basalt breccias, tuffs and sedimentary rocks (‘Lucas Creek Volcanics’) (Pdvb).*

CORRELATE OF CRIMSON CREEK FORMATION

- **Pdsm** — *Variably calcareous mudstone, siltstone and sandstone (Pdsm).*
- **Pdsmc** — *Conglomerate horizons (Pdsmc).*

CORRELATE OF SUCCESS CREEK GROUP

- **Pdsx** — *Sequences of dolomitic mudstone, siltstone and sandstone (Pdsx). (Possible correlate of Black River Dolomite).*

CORRELATE OF ROSEBERY FORMATION

- **Pon** — *Metamorphosed interbedded quartzwacke and mudstone/siltstone (Pon).*
- **Pod** — *Metamorphosed impure dolomite–rich sequences of mudstone, siltstone and sandstone (Pod). (Correlate of Oonah Formation).*

CORRELATE OF OONAH FORMATION

THEGOMAN PROTEROZOIC

- **Pt** — *Metamorphosed interbedded orthoquartzite, mudstone/siltstone (Pt).*

TYENNAN REGIONAL METASEDIMENTS

INTRUSIVE ROCKS

PALAEOZOIC

DEVONIAN

- **Ꞓdi** — *Lamprophyre dykes and intrusive bodies (Ꞓdi).*
- **Ꞓxh** — *Hematite +– pyrite bodies (Ꞓxh), and hematite veins (Ꞓxhv).*

MIDDLE CAMBRIAN

- **Ꞓdo** — *Andesitic lavas and minor intrusives (Ꞓdo).*
- **Ꞓspx** — *Peridotite with amphibole (Ꞓspx).*

AT HEAD OF VOLCANICS

LATE CAMBRIAN

- **Ꞓcg1** — *Gabbro dykes, intrusive bodies and fault–bounded units (Ꞓcg1).*
- **Ꞓspx / Ꞓss** — *Serpentinised pyroxenite (Ꞓspx), including sheared, serpentinite (Ꞓss).*
- **Ꞓt** — *Quartz–epidote–chlorite rock; possibly tonalite (Ꞓt).*

ALLOCHTHONOUS SEQUENCES

- *Geological boundary – position accurate or approximate.*
- *Fault – unspecified type, position accurate or approx.*
- *Fault – unspecified type, inferred.*
- *Fault – position accurate or approx, downthrown side indicated*
- *Thrust fault – position accurate or approximate, teeth on upper plate.*
- *(white line) Limit of mapping of sub–unit within undifferentiated rock unit.*
- *Small outcrop or lag occurence.*

- *Strike and dip of bedding, facing known – right way up.*
- *Strike and dip of bedding, facing unknown – dipping; vertical.*
- *Strike and dip of cleavage, type and relative age unspecified – dipping; vertical.*
- *Strike and dip of cleavage, relative local age S1; S2; S3.*
- *Trend and plunge of hingeline of minor fold; with dip and dip direction of axial surface indicated.*
- *Trend and plunge of hingeline of minor fold, with dip and dip direction of axial surface indicated, relative local age F1; F2; F3.*
- *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.

Compiled by D. C. Green, B.Sc (Hons), Ph.D, 2000 from the following sources (see responsibility diagram):

A. McCLENAGHAN, M.P; FINDLAY R.H.
Geological atlas 1:50 000 series,
sheet 64 (79135) Macquarie Harbour 1989.
Department of Mines, Tasmania.

B. BROWN, A.V; CALVER C.R; CORBETT, K.D; FORSYTH, S.M; GOSCOMBE, B.A; GREEN, G.R; McCLENAGHAN, M.P; PEMBERTON, J; SEYMOUR, D.B. (comp.). 1995
Geological Atlas 1:250,000 digital series.
Geology of Southwest Tasmania.
Tasmanian Geological Survey.

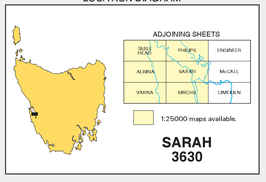
C. Updated by K.D. Corbett, 2004 as part of the Western Tasmanian Regional Minerals Program.

Base data from the LIST, Copyright State of Tasmania.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software. AGD66 - AMG Zone 55. Contour Interval: 20 metres.

RESPONSIBILITY DIAGRAM

LOCATION DIAGRAM



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Data correct & plotfile generated: 22-DEC-2005

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