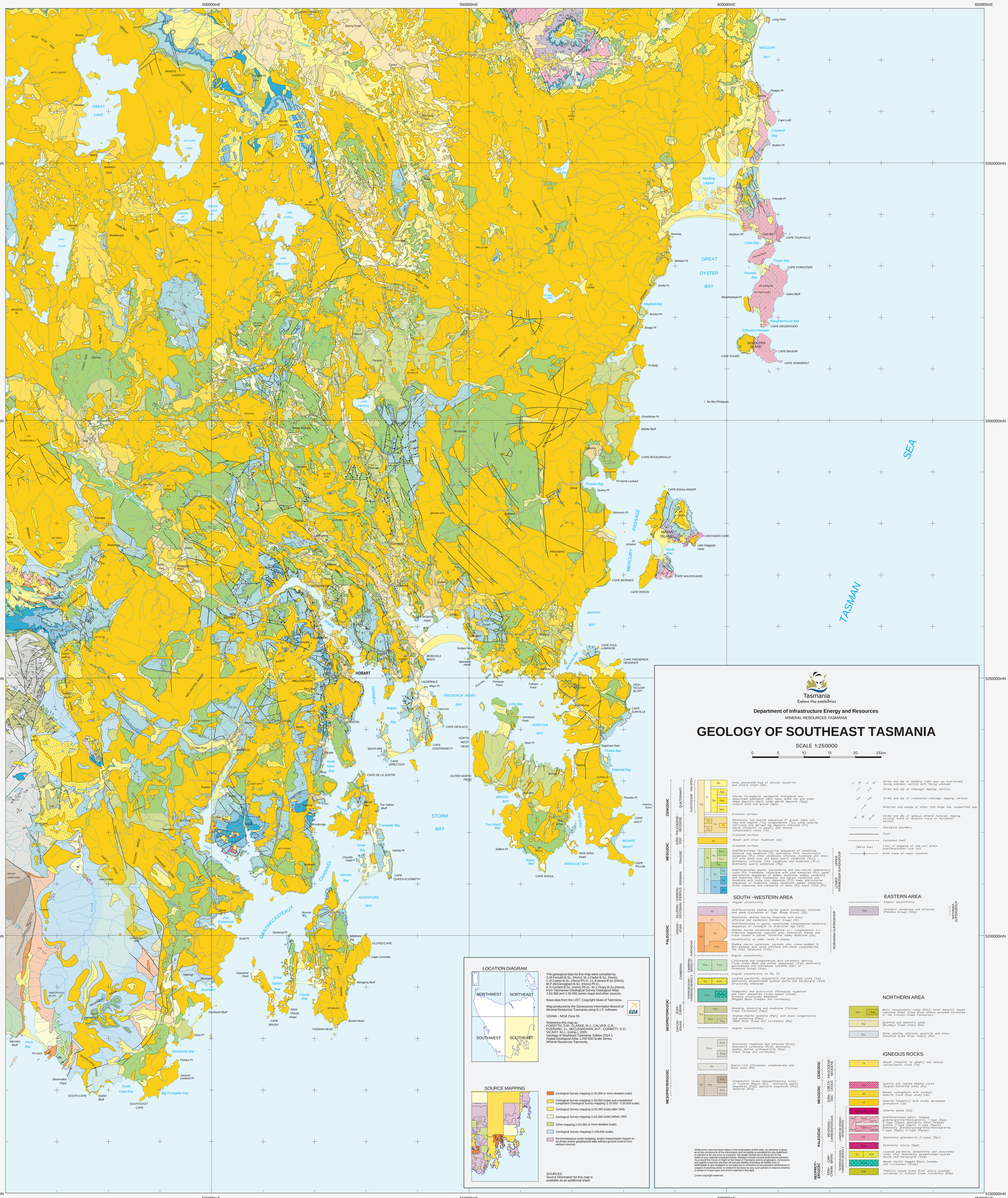
500000mE
550000mE
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5350000mN
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GREAT LAKE
LAKE ECHO
ARTHURS LAKE
LAKE SORELL
LAKE CRESCENT
LAKE TIBERIAS
MACLEAN BAY
GREAT OYSTER BAY
SCHOUTEN ISLAND
MARIA ISLAND
Moulting Lagoon
Prosser Bay
Raoul Bay
MARION BAY
TASMAN SEA
HOBART
DERWENT RIVER
FREDERICK HENRY BAY
NORFOLK BAY
STORM BAY
DENTRECASTEAUX CHANNEL
ADVENTURE BAY
WEDGE BAY
MAINGON BAY
MUNRO BIGHT
Port Arthur
Eaglehawk Neck
Pirates Bay
Waterfall Bay
Two Island Bay
Trumpeter Bay
Great Bay
Port Esperance
Recherche Bay
South Cape Bay
Big Trumpeter Bay
Prion Bay
Cloudy Bay
Hopwood Point
Southport
Eliza Pt
Fishers Pt
Second Lookout Pt
Shoemaker Point
Soldier Bluff
SOUTH CAPE
SOUTH EAST CAPE
Mangana Bluff
Boreel Head
TASMAN HEAD
CAPE BRUNY
West Cloudy Head
Cape Connella
FLUTED CAPE
Adventure Bay
Alonnah
Ventenat Pt
Scott Pt
Dover
Hastings
Bluff Pt
Southport Bluff
Mengles Bluff
Pt Cecil
Franklin
Huonville
Geeveston
Dover
Port Huon
Cygnet
Woodbridge
Kettering
Margate
Sandy Bay
Glenorchy
Bridgewater
Brighton
Sorell
Dodges Ferry
Spectacle Head
SEVEN MILE BEACH
LAUDERDALE
Mays Pt
Primrose Point
Fulham Point
Cremorne
CAPE DESLACS
Ralphs Bay
Lime Bay
Ironstone Point
Deer Pt
CAPE CONTRARIETY
NORTH WEST HEAD
SOUTH ARM
CAPE DIRECTION
North West Bay
CAPE DE LA SORTIE
OUTER NORTH HEAD
The Yellow Bluff
Variety Pt
CAPE QUEEN ELIZABETH
Ishmus Bay
Chuckle Head
Koonya
Port Arthur
Nubeena
Saltars Pt
West Arthur Head
CAPE RAOUL
CAPE PILLAR
CAPE HAUY
Thumbs Pt
Hippolytus Rocks
Ile des Phoques
Grindstone Pt
Middle Bluff
CAPE BOUGAINVILLE
Pt Home Lookout
Quarry Pt
Johnsons Pt
CAPE BOULLANGER
MISTAKEN CAPE
Little Raggedy Head
Raddle Bay
CAPE MAUROUARD
CAPE BERNIER
CAPE PERON
Pt Lesueur
MERCURY PASSAGE
CAPE PAUL LAMANON
CAPE FREDERICK HENDRICK
HIGH YELLOW BLUFF
CAPE SURVILLE
Long Point
Peggys Pt
Cape Lodi
Courland Bay
Butlers Pt
Friendly Pt
Hepburn Pt
Coles Bay
CAPE TOURVILLE
Thouin Bay
CAPE FORESTIER
Promise Bay
Gates Bluff
Slaughterhouse Bay
CAPE DEGERANDO
Schouten Passage
CAPE BALDIN
CAPE SONNERAT
CAPE FAURE
Swansea
Webber Pt
Shelly Pt
Weatherhead Pt
Mayfield Bay
Buxton Pt
Boags Pt
Pt Baily
Tasmania
Explore the possibilities
Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA
GEOLOGY OF SOUTHEAST TASMANIA
SCALE 1:250000
0 5 10 15 20 25km
CENOZOIC
QUATERNARY
HOLOCENE
PLEISTOCENE
Q
Qh
Qp1
Qpg
Qp
Qps
Erosional surface
Dominantly non-marine sequences of gravel, sand, silt, clay and regolith (Ts); conglomerate (Tc); some laterite, ferricrete and derived lag deposits indicated (Tf); basalt (Tb) and related volcaniclastic rocks (Tb).
Erosional surface.
JURA-PALEOGENE-NEOGENE
TQ
Ts
Tb
Tc
MESOZOIC
JURA-CRETACEOUS
Jb
Basalt with minor mudstone (Jb).
Erosional surface.
TRIASSIC
UPPER PARMEENER SUPERGROUP
Undifferentiated fluviolacustrine sequences of sandstone, siltstone and mudstone (Rl); dominantly lithic volcaniclastic sandstone (Rv); lithic sandstone, siltstone, mudstone and felsic tuff with some coal and basal quartz sandstone (Rvc); dominantly siltstone, lithic sandstone and mudstone (Rvs); dominantly quartz sandstone (Rq).
PERMIAN
LOWER PARMEENER SUPERGROUP
Undifferentiated glacial, glaciomarine and non-marine sedimentary rocks; lower fluviolacustrine with coal measures (Pc); upper glaciomarine sequences of pebbly mudstone, pebbly sandstone and limestone (Pu); freshwater and paralic sandstone and mudstone with some coal measures (Pl); lower glaciomarine sequences of mudstone, pebbly mudstone, pebbly sandstone, minor limestone and tasmanite oil shale (Pd); basal tillite (Pt).
PALEOZOIC
SILURIAN-DEVONIAN
DEVONIAN
Angular unconformity.
ORDOVICIAN
FURONGIAN
WURAWINA SUPERGROUP
Undifferentiated shallow marine quartz sandstone, siltstone and shale (correlates of Tiger Range Group) (SD).
Dominantly shallow marine limestone with minor siltstone and sandstone (Gordon Group) (Ol).
Undifferentiated or poorly constrained conglomerate–sandstone sequences of Furongian to Ordovician age (CO).
Shallow marine sandstone–mudstone +/– conglomerate +/– limestone sequences, typically grey, Ordovician fossils and trace fossils in places. Florentine Valley Mudstone (Os).
Unconformity on older rocks in places.
Shallow marine sandstone, typically pink, cross-bedded to thin-bedded, with some siltstone and minor conglomerate. Tim Shea Sandstone (COs).
CAMBRIAN
TERRENEUVIAN-CAMBRIAN SERIES 3
SERIES 3-ST
Angular unconformity.
Lithic wacke and conglomerate with ultramafic detritus (Tyler Creek Beds and similar sequences) (Cs); dominantly quartzwacke and lithicwacke turbidite (part of Ironbound Group) (Ccq).
Angular unconformity on P€w, P€t.
Layered peridotite, serpentinite and associated rocks (Cs); dominantly serpentinised layered dunite and harzburgite (Csd). Structurally emplaced.
Feldspathic and quartz-rich lithicwacke, mudstone and chert sequences (Ccw); basalt (Ccwb). Probably structurally emplaced. (Rogged Basin Complex and correlates).
NEOPROTEROZOIC
EDIACARAN
CRYOGENIAN
Dolomite, diamictite and mudstone (Colcose Creek Formation) (P€c).
Shallow-marine dolomite (P€e); with basal conglomerate and sandstone (P€a). (Weld River Group and correlates) (P€w).
Angular unconformity.
Dominantly mudstone and siltstone (Pcm); dominantly carbonate (Pcd); dominantly shallow marine orthoquartzite (Pcq). (Clark Group and correlates).
MESOPROTEROZOIC
Ph
Quartz-rich lithicwacke, conglomerate and black slate (Ph).
Pt
Greenschist facies metasedimentary rocks of Tyennan Region (Pt); dominantly pelitic sequences (Ptp); quartzite sequences (Pts); dolomite (Ptd).
SOUTH –WESTERN AREA
EASTERN AREA
Angular unconformity.
Turbiditic sandstone and siltstone (Panama Group) (SDp).
Neoproterozoic
WURAWINA SUPERGROUP
NORTHERN AREA
Mafic volcaniclastic rocks (P€e); some tholeiitic basalt indicated (P€b). (Lake River inliers; possible correlates of the Crimson Creek Formation).
Dolomite and dolomitic shale (Brumbys Creek inlier) (P€w).
Slate, phyllite, siltstone, quartzite and minor limestone (Lake River inliers) (P€o).
IGNEOUS ROCKS
Basalt (tholeiitic to alkalic) and related volcaniclastic rocks (Tb).
Syenite and related alkaline rocks (Lyngat-Kettering area) (Rk).
Basalt, comagmatic with Jurassic dolerite (Lune River area) (Jb).
Dolerite (tholeiitic) with locally developed granophyre (Jd).
Dolerite dykes (Dd).
Undifferentiated alkali– feldspar granite/granite/monzogranite, I–type (Dgd); S–type (Dgsd); dominantly granite/syenogranite/monzogranite, I–type (Dgs); S–type (Dgsb).
Dominantly granodiorite (I–type) (Dgr).
Dominantly diorite (Dgd).
Layered peridotite, serpentinite and associated rocks (Cs); dominantly serpentinised layered dunite and harzburgite (Csd).
Basalt (within Rogged Basin Complex and correlates) (Ccwb).
Tholeiitic basalt (Lake River inliers; possible correlates of Crimson Creek Formation) (P€b).
Strike and dip of bedding; right way up; overturned; facing unknown; vertical with facing unknown.
Strike and dip of cleavage; dipping; vertical.
Strike and dip of crenulation cleavage; dipping; vertical.
Direction and plunge of minor fold hinge line, unspecified age.
Strike and dip of igneous mineral foliation; dipping; vertical; trend of foliation trace on horizontal surface.
Geological boundary.
Fault.
Concealed fault.
(White line) Limit of mapping of sub-unit within undifferentiated rock unit.
Axial trace of major synform.
LOCATION DIAGRAM
NORTHWEST
NORTHEAST
SOUTHWEST
SOUTHEAST
The geological data for this map were compiled by S.M.Forsyth B.Sc. (Hons), M.J.Clarke B.Sc. (Hons), C.R.Calver B.Sc. (Hons) Ph.D, J.L.Everard B.Sc.(Hons), M.P.McClenaghan B.Sc. (Hons) Ph.D., K.D.Corbett B.Sc. (Hons) Ph.D., M.J.Vicary B.Sc.(Hons), from Tasmanian Geological Survey Geological Atlas: 1:63 360 and 1:50 000 series maps and other sources.
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GDA94 – MGA Zone 55.
Reference this map as:
FORSYTH, S.M.; CLARKE, M.J.; CALVER, C.R.; EVERARD, J.L; McCLENAGHAN, M.P.; CORBETT, K.D.; VICARY, M.J.; (comp.). 2005.
Geology of Southeast Tasmania. Edition 2014.1.
Digital Geological Atlas 1:250 000 Scale Series.
Mineral Resources Tasmania.
GDA
SOURCE MAPPING
Geological Survey mapping (1:25,000 or more detailed scale).
Geological Survey mapping (1:50,000 scale) and unpublished compilation Geological Survey mapping (1:10,000 – 1:50,000 scale).
Geological Survey mapping (1:63,360 scale) after 1965.
Geological Survey mapping (1:63,360 scale) before 1965.
Other mapping (1:63,360 or more detailed scale).
Geological Survey mapping (1:100,000 scale).
Reconnaissance scale mapping, and/or interpretation based on air photo and/or geophysical data without ground control from various sources.
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BASED ON A STATEWIDE DATASET
Data correct & plotfile generated: 24-JUL-2014
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