



Proposed lithostratigraphic classification for Tasmanian rock specimens in Departmental collections

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Abstract

A lithostratigraphic classification system for Tasmanian rocks, using geographic and chronological relationships.

DISCUSSION

This classification system was designed to enable coding of major rock units for the Perkin-Elmer minicomputer data bases, including 'TASROCK' and 'DOMINFO'. The stratigraphic terms used are basically those listed in Burrett and Martin (1989), with only a few additions and alterations. The broad time units used are:

- Precambrian
- Eocambrian (late late Precambrian)–Middle Cambrian
- Late Cambrian–Middle Devonian
- Middle Devonian–Early Carboniferous (granitoids)
- Late Carboniferous–Triassic (Parnene Supergroup)
- Jurassic
- Cretaceous–Tertiary

These broad terms are in chronological order but, in general, the units in these lists are not in any strict order.

In the first list (Appendix 1) the stratigraphic units are subdivided by the 1:250 000 map sheets. Geographic subdivisions are used for the Precambrian blocks, and most of the other sequences are subdivided by depositional trough. This proposed system is capable of further subdivision when necessary, but should encompass the needs of all geologists.

The second list (Appendix 2) is based on the first, but has been condensed to provide a generalised stratigraphy for the whole of Tasmania, including offshore basins. Unique codes are at present only provided for the major stratigraphic groups or units. A supplementary list of codes (Appendix 3) for Cretaceous–Quaternary sequences has been provided, primarily for DOMINFO for the engineering geologists.

REFERENCE

BURRETT, C. F.; MARTIN, E. L. (ed.) 1989. Geology and Mineral Resources of Tasmania. *Spec. Publ. geol. Soc. Aust.* 15.

[10 April 1989]

APPENDIX 1

List of stratigraphic units, subdivided by map sheet

PRECAMBRIAN

BURNIE

ROCKY CAPE REGION

ROCKY CAPE GROUP

Jacob Quartzite
 Irby Siltstone
 Detention Subgroup
 Cowrie Siltstone

ROCKY CAPE GROUP CORRELATE

Neasy Quartzite and Slate
 Lawson River Siltstone
 Balfour Slate and Siltstone
 Interview Siltstone
 Rupert Beds

BURNIE FORMATION

OONAH FORMATION

BERNAFAI VOLCANICS

SAVAGE DOLOMITE

ARTHUR METAMORPHIC COMPLEX

Keith Metamorphics
 Whyte Schists

RAMSAY RIVER INLIER

OONAH FORMATION CORRELATE

MT BISCHOFF INLIER

OONAH FORMATION CORRELATE

WELCOME-MONTAGU INLIER

ROCKY CAPE GROUP CORRELATE

BRIANT HILL AND LAKE MIKANY INLIER

ROCKY CAPE GROUP CORRELATE
 Cowrie Siltstone Correlate

GOAT ISLAND INLIER

BURNIE FORMATION CORRELATE
 GOAT ISLAND CONGLOMERATE

FORTH REGION

BURNIE FORMATION CORRELATE
 ULVERSTONE METAMORPHICS
 FORTH METAMORPHICS
 GREAT BEND INLIER

TYENNAN REGION

QUARTZITE-CHLORITIC PELITE ASSEMBLAGE

Fisher Metamorphic Complex

GARNETIFEROUS SCHIST-QUARTZITE ASSEMBLAGE

Dove Metamorphic Complex
 Howell Metamorphic Complex

KING ISLAND

KING ISLAND REGION

WEST COAST GRANITE
 HUNTER GROUP

HOBART

GLOVERS BLUFF INLIER

HASTINGS INLIER

LAUNCESTON

BADGER HEAD REGION
BURNIE FORMATION CORRELATE

AVENUE ROAD INLIER

NATIVE HOP HILL INLIER

QUEENSTOWN

MODDER RIVER INLIER
OONAH FORMATION CORRELATE

CAPE SORELL INLIER

CONCERT HILL INLIER
OONAH FORMATION CORRELATE

TYENNAN REGION**QUARTZITE-CHLORITIC PELITE ASSEMBLAGE**

Scotchfire Metamorphic Complex
Fincham Metamorphic Complex
Mary Metamorphic Complex
Franklin Metamorphic Complex
Joyce Metamorphic Complex
Strathgordon Metamorphic Complex

JANE DOLOMITE**GARNETIFEROUS SCHIST-QUARTZITE ASSEMBLAGE**

Franklin Metamorphic Complex
Joyce Metamorphic Complex

PORT DAVEY**JUBILEE REGION**

WELD RIVER GROUP
MT ANNE GROUP
PANDANI GROUP
CLARK GROUP

EOCAMBRIAN (?LATE PRECAMBRIAN)—MIDDLE CAMBRIAN**BURNIE****DUNDAS TROUGH****DUNDAS GROUP CORRELATES**

Que River Shale
Rosebery Group

HUSKISSON GROUP**MT READ VOLCANICS****BACK PEAK BEDS****TYNDALL GROUP CORRELATES**

Farrell Slates
Sticht Range Beds

DUNDAS GROUP CORRELATES

Que-Hellyer Volcanics

CENTRAL VOLCANIC COMPLEX

North-west of Henty Fault

CLEVELAND-WARATAH ASSOCIATION

Basalt-andesite suite
High-magnesian andesite
Low-titanium tholeiitic basalt

CRIMSON CREEK FORMATION

Basalt suite

SUCCESS CREEK GROUP**MAFIC-ULTRAMAFIC IGNEOUS ROCKS****SMITHTON BASIN****DUNDAS GROUP CORRELATES**

SMITHTON DOLOMITE
 CRIMSON CREEK FORMATION CORRELATE?
 Basalt suite

BLACK RIVER DOLOMITE
 FOREST CONGLOMERATE
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

DIAL RANGE TROUGH
 LOBSTER CREEK VOLCANICS
 MEGABRECCIA
 DUNDAS GROUP CORRELATES
 RADFORD CREEK GROUP
 CATEENA GROUP
 MT READ VOLCANICS CORRELATE
 MOTTON SPILITE
 BARRINGTON CHERT
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

FOSSEY MOUNTAIN TROUGH
 DUNDAS GROUP CORRELATE
 MT READ VOLCANICS CORRELATE
 DOVE GRANITE
 BEULAH FORMATION
 BARRINGTON CHERT
 Bull Creek Formation
 Lorinna Formation
 Minnow Keratophyre
 Gog Range Formation
 Bott Conglomerate
 Sprent Formation
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

BEACONSFIELD AREA
 DUNDAS GROUP CORRELATE
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

KING ISLAND

KING ISLAND
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

QUEENSTOWN

DUNDAS TROUGH
 DUNDAS GROUP
 Misery Conglomerate
 Climie Formation
 Fernflow Formation
 Comet Formation
 Fernfields Formation
 Brewery Junction Formation
 Razorback Conglomerate
 Hedge Slate
 Red Lead Conglomerate
 Judith Formation
 ROSEBERRY GROUP
 DARWIN GRANITE
 ELLIOTT BAY GRANITES
 MURCHISON GRANITE
 MT READ VOLCANICS
 DUNDAS GROUP CORRELATES
 SOUTHWELL SUBGROUP
 WHITE SPUR FORMATION
 ANIMAL CREEK GREYWACKE
 TYNDALL GROUP AND CORRELATES
 COMSTOCK TUFF
 FISH CREEK ASSOCIATION
 STICHT RANGE BEDS
 HENTY FAULT WEDGE
 CENTRAL VOLCANIC COMPLEX
 NORTH-WEST OF HENTY FAULT
 SOUTH-EAST OF HENTY FAULT

King River sequence
 WESTERN SEQUENCE
 Lynchford Association
 Miners Ridge Sandstone
 Lynch Creek Basalt
 CLEVELAND-WARATAH ASSOCIATION
 CRIMSON CREEK FORMATION
 Basalt suite

SUCCESS CREEK GROUP
 Renison Bell Formation
 Dalcoath Formation
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

ADAMSFIELD TROUGH
 TRIAL RIDGE BEDS AND CORRELATES
 UNFOSSILIFEROUS ROCK UNITS
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

SORELL PENINSULA-D'AGUILAR RANGE-ELLIOTT BAY AREA
 DUNDAS GROUP CORRELATE
 MT READ VOLCANICS CORRELATE
 Noddy Creek Volcanics
 Waterloo Creek Group
 Sassy Creek Argillites
 Pleasant Creek Formation
 Wart Hill Pyroclastics
 MAINWARING GROUP
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

OATLANDS

O'CONNORS STATION INLIER

HOBART

SOUTH COAST REGION
 TYLER CREEK BEDS

PORT DAVEY

SORELL PENINSULA-D'AGUILAR RANGE-ELLIOTT BAY AREA
 DUNDAS GROUP CORRELATE
 MT READ VOLCANICS CORRELATE
 Waterloo Creek Group
 Sassy Creek Argillites
 Pleasant Creek Formation
 Wart Hill Pyroclastics
 MAINWARING GROUP
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

BATHURST HARBOUR-SOUTH COAST AREA
 CLYTIE COVE GROUP
 Joan Point Sandstone
 Narrows Formation
 Long Bay Shale
 Mt Mackenzie Formation
 Mt Rugby Conglomerate

ADAMSFIELD TROUGH
 TRIAL RIDGE BEDS CORRELATES
 Island Road Formation
 Boyd River Formation
 RAGGED BASIN COMPLEX
 WELD RIVER GROUP
 MAFIC-ULTRAMAFIC IGNEOUS ROCKS

LATE CAMBRIAN-DEVONIAN

Wurawina Supergroup

QUEENSTOWN

ADAMSFIELD REGION

TIGER RANGE GROUP CORRELATES

McLeod Formation
Currawong Quartzite
Richea Siltstone
Gell Quartzite

GORDON GROUP AND CORRELATES

Ardell Sandstone
Benjamin Limestone
Cashions Creek Limestone
Karmberg Limestone

DENISON GROUP AND CORRELATES

Squirrel Creek Formation and correlate
Reeds Conglomerate and correlate
Great Dome Sandstone
Singing Creek Formation

DUNDAS REGION

ELDON GROUP AND CORRELATES

Bell Shale
Florence Quartzite
Austral Creek Siltstone
Keel Quartzite
Amber Slate
Crotty Quartzite

GORDON GROUP AND CORRELATES

DENISON GROUP CORRELATE

Owen Conglomerate
Pioneer Beds
Newton Creek Sandstone Member
Jukes Breccia

BURNIE

DUNDAS REGION

ELDON GROUP CORRELATE

GORDON GROUP CORRELATE

DENISON GROUP CORRELATE

FOSSEY MOUNTAIN REGION

ELDON GROUP CORRELATE

GORDON GROUP CORRELATE

DENISON GROUP CORRELATE

Moina Sandstone
Roland Conglomerate

DIAL RANGE REGION

ELDON GROUP CORRELATE

GORDON GROUP CORRELATE

DENISON GROUP CORRELATE: DIAL GROUP

Duncan Conglomerate
Gnomon Mudstone

LAUNCESTON

BEACONSFIELD REGION

GORDON GROUP CORRELATE: FLOWERY GULLY LIMESTONE

DENISON GROUP CORRELATE: CABBAGE TREE FORMATION

PORT DAVEY

ADAMSFIELD REGION

ELDON AND TIGER RANGE GROUPS CORRELATE

GORDON GROUP CORRELATE

DENISON GROUP CORRELATE

WESTERN REGION
 ELDON GROUP CORRELATE
 GORDON GROUP CORRELATE
 DENISON GROUP CORRELATE

OATLANDS

ADAMSFIELD REGION
 ELDON AND TIGER RANGE GROUPS CORRELATE
 GORDON GROUP CORRELATE
 DENISON GROUP CORRELATE

HOBART

ADAMSFIELD REGION
 ELDON AND TIGER RANGE GROUPS CORRELATE

 GORDON GROUP CORRELATE
 DENISON GROUP CORRELATE

SOUTH COAST REGION
 ELDON AND TIGER RANGE GROUPS CORRELATE
 GORDON GROUP CORRELATE
 Prior Beach Beds
 DENISON GROUP CORRELATE
 Wierah Formation
 Pt Vivian Formation

Mathinna Beds

LAUNCESTON

BEACONSFIELD REGION

OATLANDS

NORTH-EASTERN REGION

MARIA ISLAND

HOBART

DEVONIAN-CARBONIFEROUS GRANITOIDS

KING ISLAND

GRASSY GRANODIORITE
 BOLD HEAD GRANODIORITE
 SEA ELEPHANT ADAMELLITE
 THREE HUMMOCK ISLAND ADAMELLITE

BURNIE

MEREDITH BATHOLITH
 HOusetop GRANITE
 PIEMAN GRANITE
 INTERVIEW GRANITE
 GRANITE TOR GRANITE
 DOLCOATH GRANITE
 BEULAH GRANITE

QUEENSTOWN

HEEMSKIRK GRANITE
 RENISON COMPLEX

GRANITE TOR GRANITE
 GRANDFATHERS GRANITE
 PORT DAVEY
 COX BIGHT GRANITE
 SOUTH WEST CAPE GRANITE

FLINDERS ISLAND

WYBALENNIA SUITE
 POIMENA SUITE
 LADY BARRON SUITE
 MUSSELROE SUITE
 BOOBYALLA SUITE
 BABEL ISLAND SUITE

LAUNCESTON

SCOTTSDALE BATHOLITH
 DIDDLEUM SUITE
 RUSSELLS ROAD SUITE
 MT STRONACH SUITE

BLUE TIER BATHOLITH
 ST MARYS PORPHYRITE
 PYENGANA SUITE

GARDENS SUITE
 SCAMANDER TIER SUITE
 POIMENA SUITE
 MUSSELROE SUITE
 LOTTAH SUITE
 PICCANINNY GRANITOID

EDDYSTONE BATHOLITH
 MUSSELROE SUITE
 BOOBYALLA SUITE
 MT WILLIAM GRANITOID

BEN LOMOND GRANITOID

OATLANDS

ROYAL GEORGE GRANITOID

BICHENO GRANITOID

COLES BAY GRANITOID

MARIA ISLAND GRANITOID

HOBART

DEEP GLEN BAY GRANITOID

LATE CARBONIFEROUS-TRIASSIC

Lower Parmeener Supergroup

LAUNCESTON

FRANKFORD-BEACONSFIELD REGION
 LYMINGTONIAN STAGE
 BLACKWOOD FORMATION
 MIDDLE ARM GROUP
 WEST ARM GROUP
 BERNACCHIAN STAGE
 WEST ARM GROUP
 LIFFEY GROUP

TAMARIAN STAGE
MASSEY CREEK GROUP

OATLANDS

POATINA-LAKE RIVER-INTERLAKEN REGION
LYMINGTONIAN STAGE
BOGAN GAP GROUP
Blackwood Formation
Palmer Formation
POATINA GROUP
BERNACCHIAN STAGE
LIFFEY GROUP
TAMARIAN STAGE
GOLDEN VALLEY GROUP
QUAMBY FORMATION
STOCKERS FORMATION
HELLYERIAN STAGE
STOCKERS FORMATION

MARIA ISLAND REGION
LYMINGTONIAN STAGE
TOARRA FORMATION
MARRA FORMATION
CASCADE GROUP
COUNSEL CREEK FORMATION
BERNACCHIAN STAGE
CASCADE GROUP
COUNSEL CREEK FORMATION
SKIPPING RIDGE FORMATION
BOULLANGER FORMATION

TAMARIAN STAGE
DARLINGTON LIMESTONE

GRANTON REGION
LYMINGTONIAN STAGE
FERN TREE FORMATION
RISDON FORMATION
MALBINA FORMATION
CASCADES GROUP
BERRIEDALE FORMATION
BERNACCHIAN STAGE
CASCADES GROUP
BERRIEDALE FORMATION
NASSAU FORMATION
FAULKNER GROUP
TAMARIAN STAGE
BUNDELLA FORMATION
WOODY ISLAND FORMATION

MAYDENA REGION

BURNIE

WYNYARD-HELLYER GORGE REGION
LYMINGTONIAN STAGE
FLOWERDALE FORMATION
BERNACCHIAN STAGE
PREOLENNA COAL MEASURES
TAMARIAN STAGE
INGLIS FORMATION
WYNYARD FORMATION
HELLYERIAN STAGE
WYNYARD FORMATION

FISHER RIVER REGION
LYMINGTONIAN STAGE
BOGAN GAP GROUP
POATINA GROUP
BERNACCHIAN STAGE
LIFFEY GROUP

TAMARIAN STAGE
KANSAS CREEK BEDS

LATROBE REGION
LYMINGTONIAN STAGE
KELCEY TIER BEDS
BERNACCHIAN STAGE
MERSEY COAL MEASURES
TAMARIAN STAGE
SPREYTON BEDS

HOBART

GRANTON REGION
LYMINGTONIAN STAGE
FERN TREE FORMATION
RISDON FORMATION
MALBINA FORMATION
CASCADES GROUP
BERRIEDALE FORMATION
BERNACCHIAN STAGE
CASCADES GROUP
BERRIEDALE FORMATION
NASSAU FORMATION
FAULKNER GROUP
TAMARIAN STAGE
BUNDELLA FORMATION
WOODY ISLAND FORMATION

EAGLEHAWK NECK REGION
LYMINGTONIAN STAGE
FERN TREE FORMATION
MALBINA FORMATION

BERNACCHIAN STAGE
TAMARIAN STAGE
BUNDELLA FORMATION
WOODY ISLAND FORMATION

CYGNET-WOODBRIDGE-MARGATE REGION
LYMINGTONIAN STAGE
ABELS BAY FORMATION
RISDON FORMATION
MINNIE POINT FORMATION
DEEP BAY FORMATION
BERNACCHIAN STAGE
HARTS HILL FORMATION
CASCADE GROUP
HICKMAN FORMATION
TAMARIAN STAGE
BUNDELLA FORMATION
WOODY ISLAND FORMATION
TRURO FORMATION
HELLYERIAN STAGE
TRURO FORMATION

MAYDENA REGION
LYMINGTONIAN STAGE
FERN TREE FORMATION
MALBINA FORMATION
BERNACCHIAN STAGE
TAMARIAN STAGE
BUNDELLA FORMATION
WOODY ISLAND FORMATION
HELLYERIAN STAGE

Upper Parmeener Supergroup

LAUNCESTON

POATINA-BEACONSFIELD REGION
UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE

UNIT 2: QUARTZ SANDSTONE SEQUENCE
UNIT 1: UPPER PERMIAN COAL MEASURES
CLOG TOM SANDSTONE—BEACONSFIELD AREA
JACKEY FORMATION—POATINA AREA

ST MARYS REGION
UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
FELSIC TUFFS
UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE
BASALT

OATLANDS

WESTERN REGION
UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
FELSIC TUFFS
UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE
UNIT 2: QUARTZ SANDSTONE SEQUENCE
UNIT 1: UPPER PERMIAN COAL MEASURES
JACKEY FORMATION CORRELATE
CYGNET COAL MEASURES CORRELATE

EASTERN REGION
UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
FELSIC TUFFS
UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE

HOBART

UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE
UNIT 2: QUARTZ SANDSTONE SEQUENCE
UNIT 1: UPPER PERMIAN COAL MEASURES
CYGNET COAL MEASURES AND CORRELATES

QUEENSTOWN

UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE
UNIT 2: QUARTZ SANDSTONE SEQUENCE
UNIT 1: UPPER PERMIAN COAL MEASURES

BURNIE

UNIT 4: VOLCANIC LITHIC SANDSTONE AND COAL SEQUENCE
UNIT 3: QUARTZ & LITHIC SANDSTONE SEQUENCE
UNIT 2: QUARTZ SANDSTONE SEQUENCE
UNIT 1: UPPER PERMIAN COAL MEASURES

JURASSIC

DOLERITE

HOBART

BASALT

CRETACEOUS-QUATERNARY

LAUNCESTON

CAPE PORTLAND REGION
ALKALINE IGNEOUS ROCKS
BOOBYALLA SUB-BASIN
TAMAR GRABEN

DEVONPORT—PORT SORELL SUB-BASIN
SCOTTSDALE SUB-BASIN
LONGFORD SUB-BASIN
BASALT
VENEER DEPOSITS
COAL

BURNIE

DEVONPORT—PORT SORELL SUB-BASIN
BASALT
VENEER DEPOSITS
COAL

QUEENSTOWN

SORELL BASIN
BASALT
VENEER DEPOSITS
COAL

PORT DAVEY

SORELL BASIN
BASALT
VENEER DEPOSITS
COAL

HOBART

DERWENT GRABEN
COAL RIVER GRABEN
BASALT
VENEER DEPOSITS
COAL
ALKALINE IGNEOUS ROCKS—CYGNET

OATLANDS

DERWENT GRABEN
COAL RIVER GRABEN
OYSTER BAY GRABEN
LONGFORD SUB-BASIN

BASALT
VENEER DEPOSITS
COAL

APPENDIX 2

Abbreviations used for geologic and stratigraphic terms

A	PRECAMBRIAN
ARC	ROCKY CAPE AND ASSOCIATED REGIONS
ARCRC	ROCKY CAPE GROUP
ARCRC	Jacob Quartzite
ARCRC	Irby Siltstone
ARCRC	Detention Subgroup
ARCRC	Cowrie Siltstone and Correlates
ARCRC	Briant Hill/Lake Mikany Inlier
ARCRC	ROCKY CAPE GROUP CORRELATES
ARCRC	Neasy Quartzite and Slate
ARCRC	Lawson River Siltstone
ARCRC	Balfour Slate and Siltstone
ARCRC	Interview Siltstone
ARCRC	Rupert Beds
ARCRC	Welcome-Montagu Inlier
ARCRC	Hunter Group of Islands
ARCRC	King Island Region
ARCOO	OONAH FORMATION
ARCOO	OONAH FORMATION CORRELATES
ARCOO	Modder River Inlier
ARCOOC	Concert Hill (Dundas) Inlier
ARCOOC	Concert Schist
ARCOO	Ramsay River Inlier
ARCOO	Mt Bischoff Inlier
ARCBU	BURNIE FORMATION
ARCBU	BURNIE FORMATION CORRELATES
ARCBU	Forth Region
ARCBU	Badger Head Region
ARCBU	Goat Island Inlier
ARCBV	BERNAFAI VOLCANICS
ARCSD	SAVAGE DOLOMITE
ARCAM	ARTHUR METAMORPHIC COMPLEX
ARCAM	Keith Metamorphics
ARCAM	Whyte Schists
ARCG	WEST COAST GRANITE (KING ISLAND)
AFO	FORTH REGION
AFOBU	BURNIE FORMATION CORRELATE
AFOUL	ULVERSTONE METAMORPHIC COMPLEX
AFOFO	FORTH METAMORPHIC COMPLEX
AFOFOG	Goat Island Conglomerate
ATY	TYENNAN REGION
ATYQP	QUARTZITE-CHLORITIC PELITE ASSEMBLAGE
ATYQP	Fisher Metamorphic Complex
ATYQP	Scotchfire Metamorphic Complex
ATYQP	Fincham Metamorphic Complex
ATYQP	Mary Metamorphic Complex
ATYQP	Franklin Metamorphic Complex
ATYQP	Joyce Metamorphic Complex
ATYQP	Strathgordon Metamorphic Complex
ATYJD	JANE DOLOMITE
ATYSQ	GARNETIFEROUS SCHIST-QUARTZITE ASSEMBLAGE
ATYSQ	Dove Metamorphic Complex
ATYSQ	Howell Metamorphic Complex
ATYSQ	Franklin Metamorphic Complex
ATYSQ	Joyce Metamorphic Complex
AJU	JUBILEE REGION
AJUWE	WELD RIVER GROUP
AJUMA	MT ANNE GROUP
AJUPA	PANDANI GROUP
AJUCL	CLARK GROUP
A	MISCELLANEOUS INLIERS
A	CAPE SORELL INLIER
A	AVENUE ROAD INLIER
A	NATIVE HOP HILL INLIER

A	GLOVERS BLUFF INLIER
A	HASTINGS INLIER
A	GREAT BEND INLIER
C	EOCAMBRIAN (LATE PRECAMBRIAN)—CAMBRIAN
CDT	DUNDAS AND FOSSEY MOUNTAIN TROUGHS
CDT DU	DUNDAS GROUP
CDT DU	Misery Conglomerate
CDT DU	Climie Formation
CDT DU	Fernflow Formation
CDT DU	Comet Formation
CDT DU	Fernfields Formation
CDT DU	Brewery Junction Formation
CDT DU	Razorback Conglomerate
CDT DU	Hodge Slate
CDT DU	Red Lead Conglomerate
CDT DU	Judith Formation
CDT MD	MT READ/DUNDAS CORRELATES
CDT MD Q	Que—Hellyer Volcanics
CDT MD	White Spur Formation
CDT MD	Southwell Subgroup
CDT DU	DUNDAS GROUP CORRELATES
CDT DU	Que River Shale
CDT DU H	Huskisson Group
CDT DU R	Rosebery Group
CDT DU	Animal Creek Greywacke
CDT G	CAMBRIAN GRANITES
CDT G	Darwin Granite
CDT G	Murchison Granite
CDT G	Dove Granite
CDT G	Elliott Bay Granites
CDT MR	MT READ VOLCANICS
CDT MR T	Tyndall Group And Correlates
CDT MR T	Comstock Tuff
CDT MR T	Fish Creek Association
CDT MR T	Farrell Slates
CDT MR T	Sticht Range Beds
CDT MR	Back Peak Beds
CDT MR	Henty Fault Wedge
CDT MR C	Central Volcanic Complex
CDT MR C	Northwest Of Henty Fault
CDT MR C	Southeast Of Henty Fault
CDT MR C	King River Association
CDT MR W	Western Sequence
CDT MR W	Lynchford Association
CDT MR W	Miners Ridge Sandstone
CDT MR W	Lynch Creek Basalt
CDT MR	MT READ VOLCANICS CORRELATES (ELLIOTT BAY)
CDT MR	Waterloo Creek Group
CDT MR	Noddy Creek Volcanics
CDT MR	Sassy Creek Argillites
CDT MR	Pleasant Creek Formation
CDT MR	Wart Hill Pyroclastics
CDT CC	CRIMSON CREEK FORMATION
CDT CC	Basalt suite
CDT SC	SUCCESS CREEK GROUP
CDT SC	Renison Bell Formation
CDT SC	Dalcoath Formation
CDT CW	CLEVELAND-WARATAH ASSOCIATION
CDT FM	FOSSEY MOUNTAIN REGION
CDT FM	Motton Spilite
CDT FM	Barrington Chert
CDT FM	Beulah Formation
CDT FM	Bull Creek Formation
CDT FM	Lorinna Formation
CDT FM	Minnow Keratophyre
CDT FM	Gog Range Formation
CDT FM	Bott Conglomerate
CDT FM	Sprent Formation
CDT MA	MAINWARING GROUP
CDT U	MAFIC—ULTRAMAFIC IGNEOUS ROCKS
CDT U HE	Heazlewood River UMC
CDT U MS	Mt Stewart UMC

CDTUWR
CDTUHU
CDTUSH
CDTUDU
CDTUFO
CDTUCS
CDTUSB
CDTUTH
CDTU
CDTU
CSB
CSBDU
CSBSD
CSBCC
CSBCC
CSB
CSB
CSBU
CDR
CDRLC
CDR
CDRDU
CDRDUR
CDRDUC
CDRMR
CBE
CBEDU
CBEU
CBEUAC
CKI
CKIU
COS
CSC
CSC
CSCU
CSCURB
CBH
CBHCY
CBHCY
CBHCY
CBHCY
CBHCY
CBHCY
CAT
CATTR
CATTR
CATTR
CATRB
CATWR
CATU
CATUAD
CATUBO
CAT

Wilson River UMC
Huskisson River UMC
Serpentine Hill UMC
Dundas UMC
Forth UMC
Cape Sorell UMC
Spero Bay UMC
Trial Harbour UMC
McIvors Hill Gabbro
Howards Tram Gabbro
SMITHTON BASIN
Dundas Group Correlates
Smithton Dolomite
Crimson Creek Formation Correlate?
Basalt suite
Black River Dolomite
Forest Conglomerate
Mafic-ultramafic Igneous Rocks
DIAL RANGE TROUGH
Lobster Creek Volcanics
Megabreccia
Dundas Group Correlates
Radford Creek Group
Cateena Group
Mt Read Volcanics Correlate
BEACONSFIELD AREA
Dundas Group Correlate
Mafic-Ultramafic Igneous Rocks
Andersons Creek UMC
KING ISLAND
Mafic-Ultramafic Igneous Rocks
O'CONNORS STATION INLIER
SOUTH COAST REGION
Tyler Creek Beds
Mafic-Ultramafic Igneous Rocks
Rocky Boat Harbour UMC
BATHURST HARBOUR-SOUTH COAST AREA
Clytie Cove Group
Joan Point Sandstone
Narrows Formation
Long Bay Shale
Mt Mackenzie Formation
Mt Rugby Conglomerate
ADAMSFIELD TROUGH
Trial Ridge Beds Correlates
Island Road Formation
Boyd River Formation
Ragged Basin Complex
Weld River Group
Mafic-Ultramafic Igneous Rocks
Adamsfield UMC
Boyes River UMC
Unfossiliferous Rock Units

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LATE CAMBRIAN-DEVONIAN
WURAWINA SUPERGROUP
ELDON GROUP AND CORRELATES
Bell Shale
Florence Quartzite
Austral Creek Siltstone
Keel Quartzite
Amber Slate
Crotty Quartzite
TIGER RANGE GROUP AND CORRELATES
McLeod Formation
Currawong Quartzite
Richea Siltstone
Gell Quartzite
GORDON GROUP AND CORRELATES
Ardell Sandstone
Benjamin Limestone

OWG	Cashions Creek Limestone
OWG	Karmberg Limestone
OWG	Flowery Gully Limestone
OWG	Prior Beach Beds
OWD	DENISON GROUP AND CORRELATES
OWD	Squirrel Creek Formation and correlate
OWD	Reeds Conglomerate and correlate
OWD	Great Dome Sandstone
OWD	Singing Creek Formation
OWDOW	Owen Conglomerate
OWDOW	Pioneer Beds
OWDOW	Volcanics
OWD OW	Newton Creek Sandstone Member
OWD	Jukes Breccia
OWD	Moina Sandstone
OWD	Roland Conglomerate
OWDDI	Dial Group
OWDDI	Duncan Conglomerate
OWDDI	Gnomon Mudstone
OWD	Cabbage Tree Formation
OWD	Wierah Formation
OWD	Pt Vivian Formation
OMA	MATHINNA BEDS

D	DEVONIAN-CARBONIFEROUS GRANTOIDS AND RELATED IGNEOUS ROCKS
D	KING ISLAND
D	GRASSY GRANODIORITE
D	BOLD HEAD GRANODIORITE
D	SEA ELEPHANT ADAMELLITE
D	THREE HUMMOCK ISLAND ADAMELLITE
D	NORTH-WEST TASMANIA
DME	MEREDITH BATHOLITH
D	HOusetop Granite
D	PIEMAN GRANITE
D	INTERVIEW GRANITE
D	GRANITE TOR GRANITE
D	DOLCOATH GRANITE
D	BEULAH GRANITE
D	HEEMSKIRK GRANITE
DRE	RENISON COMPLEX
DRE	Pine Hill Granite
D	GRANITE TOR GRANITE
D	GRANDFATHERS GRANITE
DPD	PORT DAVEY GRANITES
DPD	COX BIGHT GRANITE
DPD	SOUTH WEST CAPE GRANITE
D	FLINDERS ISLAND
D	WYBALENNIA SUITE
D	POIMENA SUITE (FLINDERS ISLAND)
D	LADY BARRON SUITE
D	MUSSELROE SUITE (FLINDERS ISLAND)
D	BOOBYALLA SUITE (FLINDERS ISLAND)
D	BABEL ISLAND SUITE
D	EASTERN TASMANIA
DSC	SCOTTSDALE BATHOLITH
DSC	Diddleum Suite
DSC	Russells Road Suite
DSC	Mt Stronach Suite
DBT	BLUE TIER BATHOLITH
DBT	St Marys Porphyrite
DBT	Pyengana Suite
DBT	Gardens Suite
DBT	Scamander Tier Suite
DBT	Poimena Suite
DBT	Musselroe Suite
DBT	Lottah Suite
DBT	Piccaninny Granitoid
DED	EDDYSTONE BATHOLITH
DED	Musselroe Suite
DED	Boobyalla Suite
DED	Mt William Granitoid

DBL	BEN LOMOND GRANITOID
D	ROYAL GEORGE GRANITOID
D	BICHENO GRANITOID
D	COLES BAY GRANITOID
D	MARIA ISLAND GRANITOID
D	DEEP GLEN BAY GRANITOID
D	ST MARYS PORPHYRITE
DDL	DEVONIAN DOLERITES
P	LATE CARBONIFEROUS-TRIASSIC
PL	LOWER PARMEENER SUPERGROUP
PLL	LYMINGTONIAN STAGE
PLL	Flowerdale Formation
PLL	Kelcey Tier Beds
PLLMA	Middle Arm Group
PLLWA	West Arm Group
PLLBG	Bogan Gap Group
PLLBG	Blackwood Formation
PLLBG	Palmer Formation
PLLPO	Poatina Group
PLL	Toarra Formation
PLL	Marra Formation
PLL	Counsel Creek Formation
PLL	Fern Tree Formation
PLL	Risdon Formation
PLL	Malbina Formation
PLLCA	Cascades Group
PLLCA	Berriedale Formation
PLL	Abels Bay Formation
PLL	Minnie Point Formation
PLL	Deep Bay Formation
PLB	BERNACHIAN STAGE
PLB	Preolenna Coal Measures
PLB	Mersey Coal Measures
PLBWA	West Arm Group
PLBLI	Liffey Group
PLBLI	Counsel Creek Formation
PLBLI	Skipping Ridge Formation
PLBLI	Boullanger Formation
PLBCA	Cascades Group
PLBCA	Berriedale Formation
PLBCA	Nassau Formation
PLBFA	Faulkner Group
PLB	Harts Hill Formation
PLB	Hickman Formation
PLT	TAMARIAN STAGE
PLT	Inglis Formation
PLTWY	Wynyard Formation
PLT	Spreyton Beds
PLT	Kansas Creek Beds
PLTMC	Massey Creek Group
PLTGV	Golden Valley Group
PLT	Quamby Formation
PLTST	Stockers Formation
PLT	Darlington Limestone
PLT	Bundella Formation
PLT	Woody Island Formation
PLTTR	Truro Formation
PLH	HELLYERIAN STAGE
PLHWY	Wynyard Formation
PLHST	Stockers Formation
PLHTR	Truro Formation
PU	UPPER PARMEENER SUPERGROUP
PU4	UNIT 4: VOLCANIC LITHIC SST AND COAL SEQUENCE
PU4	Felsic Tuffs
PU4	Dalmayne Conglomerate
PU3	UNIT 3: QUARTZ AND LITHIC SANDSTONE SEQUENCE
PU3	Tiers Formation
PU3CL	Cluan Formation
PU3	Basalt
PU3	Brady Formation

PU2
 PU2
 PU2CL
 PU2SP
 PU2OS
 PU2GC
 PU2KN
 PU2KN
 PU1
 PU1
 PU1
 PU1CM
 PU1CM
 PU1SP
 PU1GC
 PU1OS

UNIT 2: QUARTZ SANDSTONE SEQUENCE

Ross Formation
 Cluan Formation
 Springs Sandstone
 Ossa Formation
 Gould Conglomerate
 Knocklofty Formation
 Poets Road Member

UNIT 1: UPPER PERMIAN COAL MEASURES

Clog Tom Sandstone-Beaconsfield Area
 Jackey Formation And Correlates
 Cygnet Coal Measures And Correlates
 Adventure Bay Coal Measures
 Springs Sandstone
 Gould Conglomerate
 Ossa Formation

J
 JDL
 J

JURASSIC

DOLERITE
 BASALT-LUNE RIVER

Z
 ZCP
 ZBA
 ZBBO
 ZTA
 ZSC
 ZLO
 ZDP
 ZSO
 ZSOKI
 ZSOST
 ZSOMH
 ZCR
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CRETACEOUS—QUATERNARY

CAPE PORTLAND COMPLEX
 BASS BASIN
 BOOBYALLA SUB-BASIN
 TAMAR GRABEN
 SCOTTSDALE SUB-BASIN
 LONGFORD SUB-BASIN
 DEVONPORT-PORT SORELL SUB-BASIN
 SORELL BASIN
 KING ISLAND SUB-BASIN
 STRAHAN SUB-BASIN
 MACQUARIE HARBOUR SUB-BASIN
 COAL RIVER GRABEN
 CYGNET ALKALINE COMPLEX
 DERWENT GRABEN
 OYSTER BAY GRABEN
 OTWAY BASIN
 BASALT
 COAL
 VENEER DEPOSITS
 GLACIOGENE DEPOSITS

APPENDIX 3

Cretaceous-Quaternary sequences (supplementary list)

A supplementary list of Codes to follow the tectonostratigraphic/lithostratigraphic codes, separated by commas (e.g. *ZBABO,*Tb,*Ts for Tertiary basalt and sediment from the Boobyalla sub-basin). This will not work for TASROCK, as only one code is permitted.

Q	QUATERNARY	
Qh	HOLOCENE	
Qha		Alluvium
Qhd		Dune Sand
Qhg		Gravel
Qp	PLEISTOCENE	
Qpg		Glaciogene
Qpa		Alluvium
Qpt		Talus
Qptd		-dolerite
Qptb		-basalt
Qpf		Fluvioglacial gravel
T	TERTIARY	
Tb		Basalt
Tbd		Basanitic Dolerite
Ts		Sediments
Tsc		Carbonaceous Silt
Tsg		Rounded Gravel
Td		Doleritic Boulder Beds
K	CRETACEOUS	
Ks		Sediment
Ki		Igneous