

## REFERENCE

Qu	Qa	Qb	Qc	Qd	Qe	Qf	Qg	Qh	Qi	Qj	Qk	Ql	Qm	Qn	Qo	Qp	Qq	Qr	Qs	Qt	Qu	Qv	Qw	Qx	Qy	Qz
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Qu Living coral reefs and beach ridges  
Qa Tidal flat and mangrove swamp - calcareous clay, silt and sand  
Qb Supratidal flat - calcareous clay, silt and sand and subaqueous geyser and superficial algal mats and salt crusts  
Qc Lake salt - gypsumiferous sand, silt and clay, brackish water, brackish water, brackish water (not exposed)  
Qd Brackish geyser deposits, mainly east of Lake Macleod  
Qe Estuarine and, calcareous, commonly geyseriferous and/or clay rich  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Claystone - poorly sorted clay, silt and minor pebbles  
Qa Claystone and minor dunes - clay, silt and sand, minor pebbles  
Qb Dune topography with common dunes - sand, silt and clay  
Qc Dune subject to incision: leading minor dunes and dunes - sand, silt and clay, minor pebbles  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Alluvium - deposits of Gascoyne River - clay, silt, sand and gravel  
Qa Calcrete - lumpy to nodular or massive, authigenic limestone, locally silicified  
Qb Longitudinal and network dunes and residual sand plains - reddish brown to yellowish quartz sand  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Alluvium - deposits of Boddala Channel - clay, silt, sand and gravel  
Qa Beach ridges and dunes associated with sediments of the Brown Delta  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Alluvium - deposits of Brown Channel - clay, silt, sand and gravel  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu BODDALA CALCAREITE - unconsolidated. Calcareous to calcareous, coralline reef deposits, shallow marine, littoral, and minor silt  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Fine to medium grained calcareous with intercalated 7 calcareous units, silt. Dune shape mostly preserved  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Lower marine unit: calcareous to calcareous, coralline reef deposits, shallow marine  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu Upper marine unit: coralline reef deposits, calcareous and calcareous, shallow marine, beach and minor silt  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu (older section, equivalent to part of TAMBORA LIMESTONE)  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
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Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
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Qw  
Qx  
Qy  
Qz

Qu TRELLA LIMESTONE - calcareous to calcareous, commonly fossiliferous minor dolomite, shallow marine to littoral  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

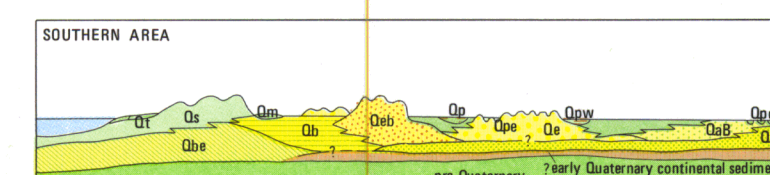
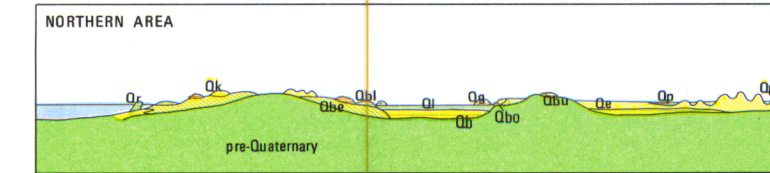
Qu GIRALLA CALCAREITE - calcareous, pale green medium to coarse grained, minor geyserite, common bryozoa, brackish marine  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
Qm  
Qn  
Qo  
Qp  
Qq  
Qr  
Qs  
Qt  
Qu  
Qv  
Qw  
Qx  
Qy  
Qz

Qu KORDIA CALCAREITE - calcareous, white, chalky, common bryozoa, shallow marine  
Qa  
Qb  
Qc  
Qd  
Qe  
Qf  
Qg  
Qh  
Qi  
Qj  
Qk  
Ql  
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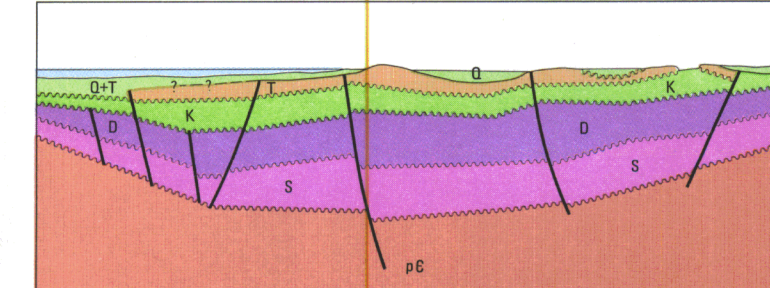
## SYMBOLS

Geological boundary	—
Accretion	—
Approximate	—
Highways with national route marker	—
Formed road	—
Track	—
Homeless	—
Horizontal control - major, minor	—
Beach mark	—
Arch field	—
Landmark	—
Lighthouse	—
Rock	—
Bathymetric contour line, depth in metres	—
Watercourse intermittent	—
Pool	—
Permanant water	—
Well	—
Bore	—
Artesian bore	—
Watercourse	—
Pipeline	—
Tank	—
Dam	—
Abandoned	—
Crack	—
Sand dune	—
Petroleum exploration well	—
Dry hole, abandoned	—

## QUATERNARY ROCK RELATIONSHIPS

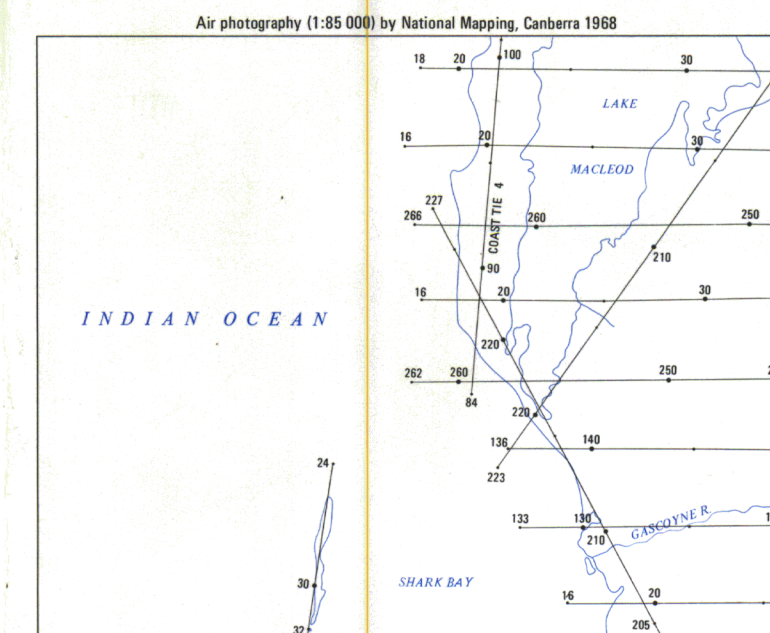


## PRE-QUATERNARY ROCK RELATIONSHIPS



Quaternary	Q
Tertiary	T
Cretaceous	C
Devonian	D
Permian	P
Triassic	Tr
Jurassic	J
Cretaceous	C
Palaeozoic	P
Proterozoic	P
Unconformity	—

## FLIGHT DIAGRAM



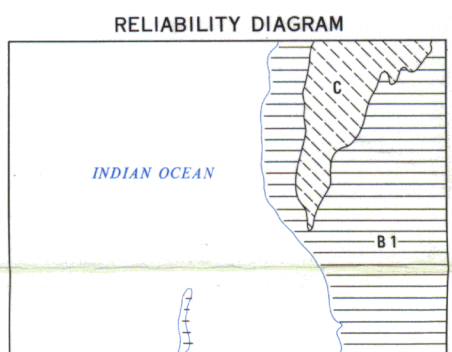
## QUOBBA

SHEET SG 49 - 4

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Printed by the Government Printing Office, Perth.



B 1 Numerical traverse with air photo interpretation  
C Air photo interpretation

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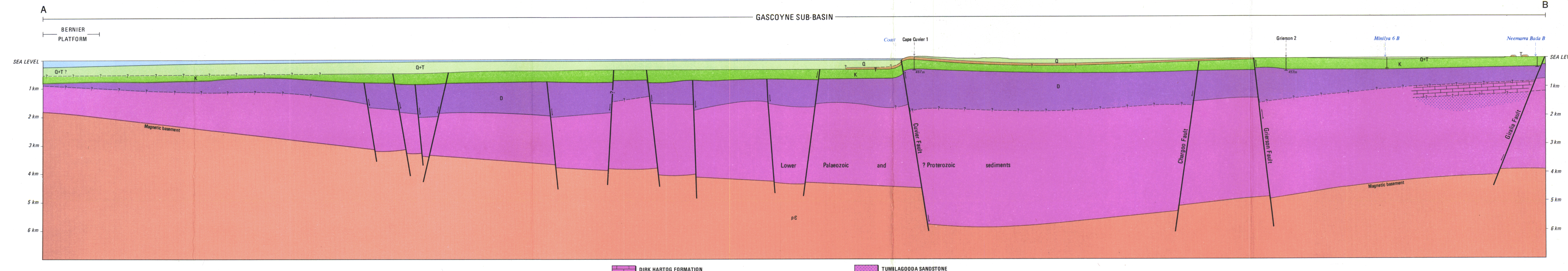
SCALE 1 : 250 000  
TRANSVERSE MERCATOR PROJECTION  
ZONE 49 AUSTRALIAN MAP GRID

## DIAGRAMMATIC SECTION

SCALE 1 : 10 000

SECTION A - B

GASCOYNE SUB-BASIN



DINK HARTOG FORMATION

TUMBLAGOODA SANDSTONE