

REFERENCE

QUATERNARY

- Qa Alluvium, marsh and swamp deposits, mine waste and disturbed ground (Qa)
- Qp Gravel of probable glacial origin
- Qs Fluvial deposits including recent gravels and sands, overlain by fine-grained deposits and 10% silt and clay with common diatoms (Qs)
- Qgl Glacial till and associated colluvium derived from Jurassic diorite (Qgl), Jurassic diorite mixed with Lower Permian rocks (Qgl), Eocene Group (Qgl), Devon conglomerate (Qgl) and Precambrian rock (Qgl)
- Qm Fluvial deposits including recent gravels and sands, overlain by fine-grained deposits and 10% silt and clay with common diatoms (Qm)
- Qn Low angle unconformity

MESOZOIC

JURASSIC

- Jt Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Jc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jc)
- Jp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jp)
- Jm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jm)
- Jn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jn)
- Jp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jp)
- Jm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jm)
- Jn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Jn)

PERMIAN

- Pt Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Pc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pc)
- Pp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pp)
- Pm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pm)
- Pn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pn)

CARBONIFEROUS

- Ct Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Cc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cc)
- Cp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cp)
- Cm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cm)
- Cn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cn)

DEVONIAN

- Dt Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Dc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Dc)
- Dp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Dp)
- Dm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Dm)
- Dn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Dn)

SILURIAN

- St Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Sc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Sc)
- Sp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Sp)
- Sa Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Sa)
- Sb Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Sb)

ORDOVICIAN

- Ot Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Oc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Oc)
- Op Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Op)
- Om Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Om)
- On Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (On)

PALAEZOIC

- Pt Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Pc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pc)
- Pp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pp)
- Pm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pm)
- Pn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pn)

CAMBRIAN

- Ct Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Cc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cc)
- Cp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cp)
- Cm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cm)
- Cn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Cn)

PROTEROZOIC

- Pt Tuffaceous sandstone and siltstone, occasionally carbonaceous (containing Cyprid Coal Measures)
- Pc Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pc)
- Pp Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pp)
- Pm Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pm)
- Pn Sandstone, generally richly fossiliferous siltstone, sandstone and subordinate conglomerate sandstone and siltstone (Pn)

Geological boundary — position approximate

Geological boundary — transitional

Geological boundary — inferred

Fault — position approximate

Fault — inferred

Fault — inferred, does not cut upper plate

Fault — inferred and concealed

As-photos lineaments and bed form lines

Strike and dip of bedding — right way up dipping, overturned, horizontal, facing known vertical, facing unknown vertical, dipping

Strike and dip of compositional bands in igneous and metamorphic rocks, vertical

Minor fold hinge-line with plunge and dip of axial surface shown, related to, later than, and uncorrelated to the dominant cleavage or schistosity

Minor fold hinge-line with vergence (strike down plunge) directed, no vergence, constant

Alial surface trace of major structure, synclinal

In rocks other than P: strike and dip of change, vertical, synchronous cleavage (ignores strike), dipping vertical, locally vector cleavage (dipping in P: rocks, strike and dip of uncorrelated dominant cleavage, schistosity or foliation, vertical, strike and dip of dominant cleavage or schistosity, vertical, possibly probably S, locally S, DPOSS32) and uncorrelated to quartzite S, locally S, S, (P991272) cleavage later than dominant cleavage

Top of cleavage — strike, unconformity, spaced and unspaced

P: Fracture S indicates earlier cleavage schistosity

Dominant lineation — probably intersection of cleavages, or P: rocks generally the intersection of the major cleavage or schistosity and a probably earlier cleavage or schistosity

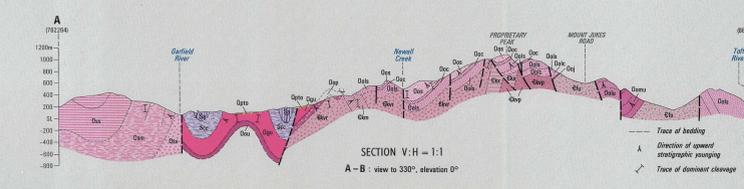
Alial surface trace of major antiform, system in dominant cleavage/schistosity in P: rocks

Field station for adjacent readings on map

Trend and plunge of joint columns

Direction of movement of sediment-bearing masses: sense indicated, and subsense

Trend of gneiss cores



RESPONSIBILITY DIAGRAM

A - J.E. Johnson to 4.	M - 080 to 6.
B - P.W. 4/5, 11.	N - 080.
C - 080.	O - P.W. 2, 3.
D - 080.	P - 080.
E - 080.	Q - 080.
F - 080.	R - 080.
G - 080.	S - 080.
H - 080.	T - 080.
I - 080.	U - 080.
J - 080.	V - 080.
K - 080.	W - 080.
L - 080.	X - 080.
M - 080.	Y - 080.
N - 080.	Z - 080.
O - 080.	AA - 080.
P - 080.	AB - 080.
Q - 080.	AC - 080.
R - 080.	AD - 080.
S - 080.	AE - 080.
T - 080.	AF - 080.
U - 080.	AG - 080.
V - 080.	AH - 080.
W - 080.	AI - 080.
X - 080.	AJ - 080.
Y - 080.	AK - 080.
Z - 080.	AL - 080.
AA - 080.	AM - 080.
AB - 080.	AN - 080.
AC - 080.	AO - 080.
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AG - 080.	AS - 080.
AH - 080.	AT - 080.
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BW - 080.	CI - 080.
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CA - 080.	CM - 080.
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CC - 080.	CO - 080.
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