7290,000N 230,000E 250 270 290,000E

132°15' 132°30' 132°45' 133°

24°30' 24°45' 25°

N7280,000 N7260,000 N7240,000

LEVI RANGE

PALMER RIVER

LINE SR.A

LINE SR.B

LINE SR.C

SEYMOUR RANGE

PALMER RANGE

LIDDLEY HILLS

BASE CAMP

DESERT OAK TRIG. ST. N.T.S. 271 elevation 2046.9 A.S.L.

A B

7230,000N 230,000E 25 27 290,000E

CAINOZOIC

QUATERNARY

Undifferentiated	Q	Alluvium, sand, travertine, gypsum, conglomerate (section only)
	Qa	Alluvium, river gravel
	Qs	Aeolian sand
	Qt	Evaporites
	Ql	Travertine
	Qg	Gypsum
	Qc	Conglomerate

TERTIARY

Undifferentiated	T	Calcareous, silty sandstone, conglomerate, limestone
	Tl	Limestone containing freshwater gastropods, siltstone and sandstone interbeds
	Tc	Conglomerate
	Tb	Siltcrete (grey billy)
	Te	Laterite, ferricrete
	Ts	Sandstone, siltstone

PALAEOZOIC

DEVONIAN TO CARBONIFEROUS

Pertnjara Group	Undifferentiated	Pzp	Sandstone, pebbly sandstone, siltstone
	Hermannsburg Sandstone	Pzr	Red-brown sandstone, pebbly sandstone, minor silty sandstone
	Parke Siltstone	Pzk	Siltstone, calcareous siltstone, limestone and fine silty sandstone interbeds

SILURIAN? TO DEVONIAN

Mereenie Sandstone	Pzm	White, cross-bedded sandstone

CAMBRIAN TO ORDOVICIAN

Lasseters Group	Undifferentiated	€-Ol	Fossiliferous sandstone, siltstone and limestone
	Carmichael Sandstone	Oc	Red-brown sandstone; siltstone interbeds
	Stokes Siltstone	Os	Siltstone, fossiliferous limestone and sandstone interbeds
	Stairway Sandstone	Oa	Fossiliferous sandstone; siltstone, thin phosphorite and limestone
	Horn Valley Siltstone	Oh	Fossiliferous siltstone; limestone
	Pacoota Sandstone	€-Op	Fossiliferous sandstone; siltstone; pipe-rock

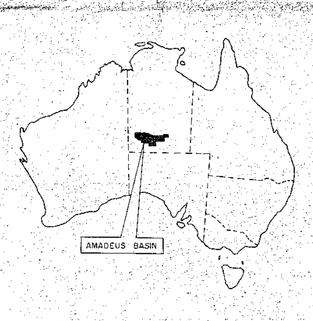
CAMBRIAN

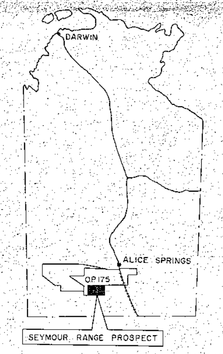
Pertaatataka Group	Undifferentiated	€z	Sandstone, siltstone, shale, limestone
	Goyder Formation	€g	Sandstone, siltstone, dolomite
	Petermann Sandstone	€e	Red-brown sandstone, siltstone, sandy limestone
	Deception Formation	€d	Red-brown siltstone, shale
	Idara Sandstone	€i	Brown sandstone, silty sandstone
	Jay Creek Limestone	€j	Fossiliferous limestone; dolomite, siltstone
	Tempe Formation	€t	Siltstone, shale, interbeds of dolomite, sandstone and fossiliferous limestone
	Chandler Limestone	€c	Limestone and dolomite with chert laminae; halite?
	Eninta Sandstone	€n	Brown sandstone with minor conglomerate, silty sandstone, siltstone
	Quandong Conglomerate	€q	Conglomerate, conglomeratic sandstone

PRECAMBRIAN

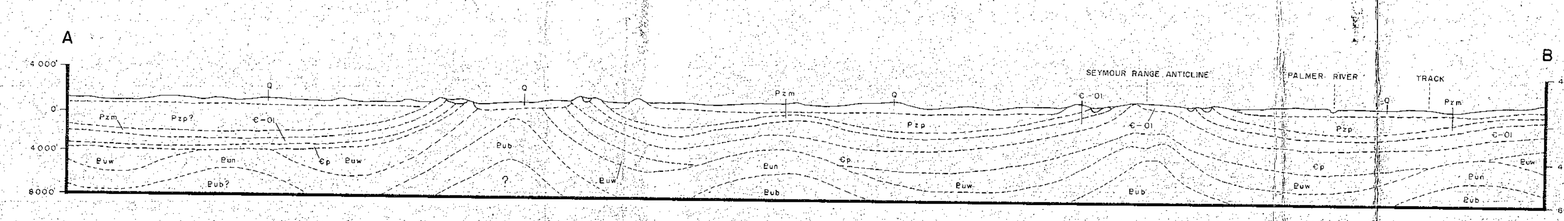
PROTEROZOIC

Winnall Beds	Puw	Sandstone, siltstone, silty sandstone
Pertatataka Formation	Pup	Siltstone, shale, sandstone, limestone
Areyonga Formation	Pua	Tillitic pebbly claystone, siltstone, sandstone
Inindia Beds	Pui	Siltstone, shale; limestone, dolomite, chert, chert breccia, sandstone interbeds
Bitter Springs Formation	Pub	Dolomite, sandy dolomite, limestone, siltstone and sandstone interbeds; halite?





ROAD
TRACK
RIVER



SCALE 1:100,000

METRES 0 2 4 6 8 10 12 14 16 18 20 22,000

YARDS 0 2 4 6 8 10 12 14 16 18 20 22 24,000

KILOMETRES 0 2 4 6 8 10 12 14 16 18 20

MILES 0 2 4 6 8 10 12

10,000 METRE, UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 53 AUSTRALIAN NATIONAL SPHEROID

MAGELLAN PETROLEUM (N.T.) PTY. LTD.

SEISMIC SURVEY

SHOT POINT LOCATION AND ELEVATION

SEYMOUR RANGE PROSPECT

AMADEUS BASIN

NORTHERN TERRITORY

JUNE 1971

Bendix

Austral United Geophysical Pty. Ltd.

SURVEYOR A.J. JONES

DATUM: SEA LEVEL

GEOLOGY & SECTION TAKEN FROM B.M.R. HENBURY SHEET 1960

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PLATE 8