



LEGEND

Survey control point
Road
Cut line
Track section with spoil
Surface projection of mine entry and working area
Underground access

SYMBOLS

Control (Defined, Assumed)
Building (Inclined, Vertical, Overturned)
Artificial Aerial Traces
Elevation Aerial Traces
Fault at surface, showing dip of plane and sense of movement, where known (Approximate, Assumed)
Fault underground (Approximate)

Actual shaft target
Cut trace
Classed stream
Subsidence hole
Artificial shaft-hole
Drowned shaft-hole
Water shaft-hole

LEGEND 1980, CARMACK'S SOUTH-CARMACKS NORTH
(Colors or Symbols (possible correlations))

3 CARMACK'S GROUP
Blastic and volcanic rocks
Lower Cretaceous and/or Upper Jurassic
2 TANTALUS FORMATION
2a Coal Measures
2b Mudstone, conglomeric mudstone, thin bedded
2c Mudstone, conglomeric mudstone, thin bedded or silty
2d Conglomerate, heavy to fine grained, sandstone, lower mudstone and
2e Conglomerate, conglomeric sandstone, sandstone, lower mudstone
2f Sandstone, conglomeric mudstone and
2g Gritty mudstone
2h Mudstone, conglomeric mudstone and sandstone
2i Mudstone
2j Very fine grained sandstone
2k Conglomerate (heavy to clay pebbled)
2l Sandstone, conglomeric sandstone, lower conglomerate

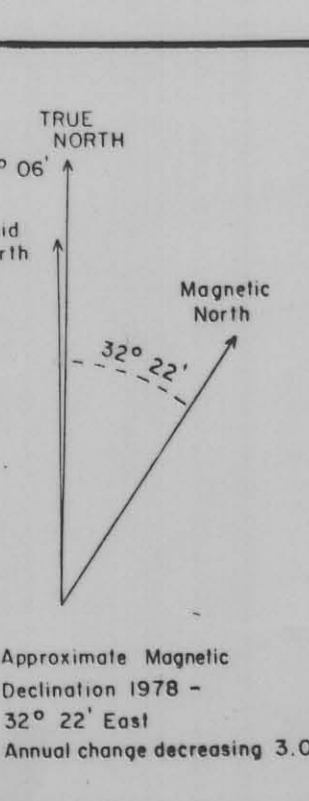
Lower and Middle Jurassic
1 LARSEN GROUP
Impure shales of dark volcanic, granitic rocks, siliceous dark mudstone, shales, mudstone, lower sand

LEGEND 1978-1977

11 Conglomerate and sandy sandstone
12 No. 1 Coal Seam
13 Conglomerate and pebbly sandstone
14 No. 2 Coal Seam
15 Brown mudstones and siltstones
16 Conglomerate and pebbly sandstone
17 No. 3 Coal Seam
18 Thin bedded light gray sandstone and siltstones
19 Dark brown and dark gray sandstone, block conglomerate, mudstone and thin coal seams
20 Conglomerate, pebbly sandstone and clayey green sandstone, mudstone, shales and mudstone, clay shale

LITHOLOGY LEGEND-1978, 1980 BULLDOZER TRENCHES

OVERBURDEN
COAL
CARBONACEOUS MUDSTONE
MUDSTONE & SILTSTONE
GRITTY MUDSTONE
SANDSTONE
CONGLOMERATIC SANDSTONE
CONGLOMERATE



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CARMACKS COAL PROJECT

MAP 3 - TANTALUS BUTTE
GEOLOGICAL MAP OF OPEN PIT AREA

Follows report by Hill, April 1978. Geological interpretation revised by Adomson, November 1980.

PHOTOGRAPHY July 1977
PROJECTION Transverse Mercator
COORDINATES Territorial Plane (feet)

SCALE IN FEET
100 0 100 200
CONTOUR INTERVAL: 5 FEET
Except 10 Feet within open pit

NTS: 115-1-1
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