

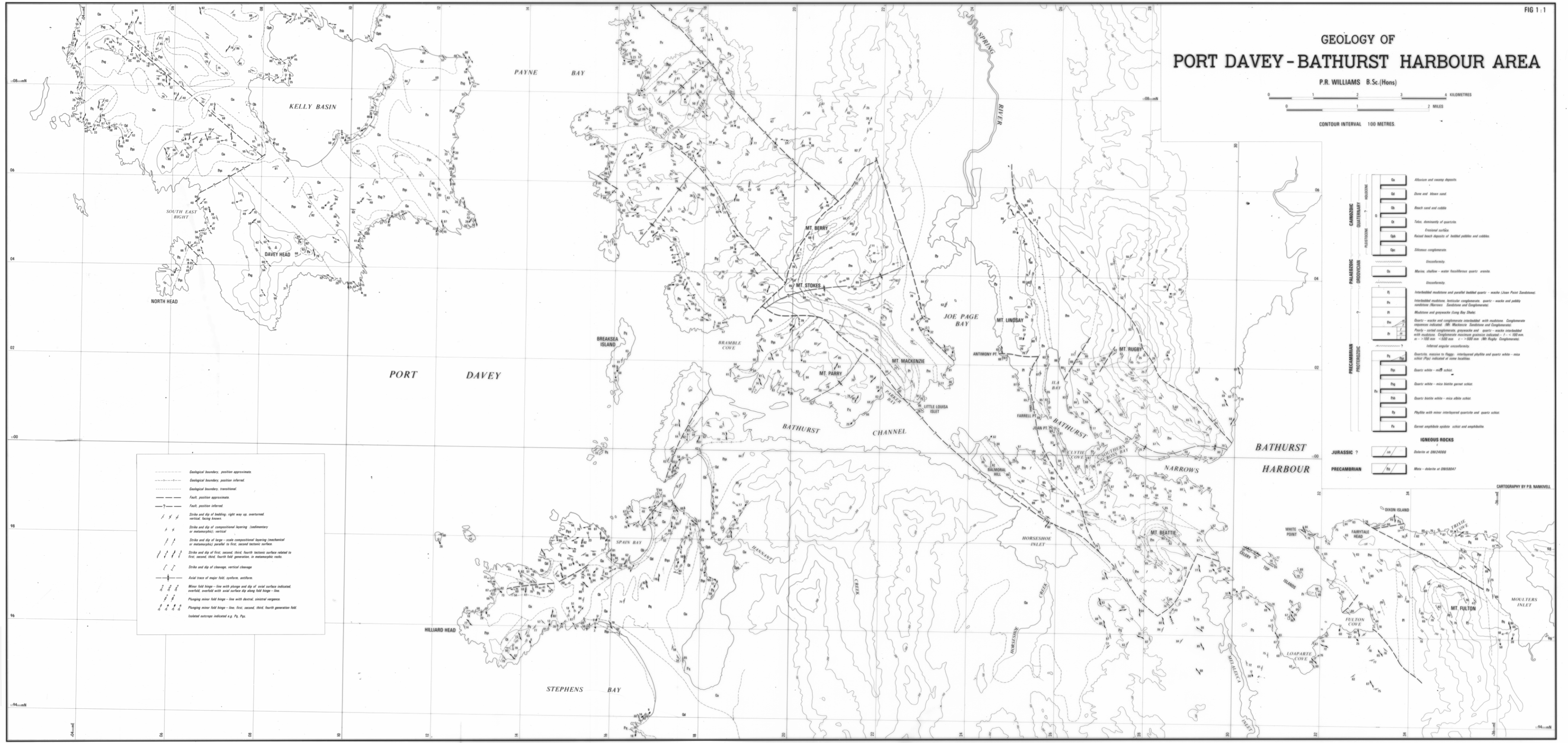
GEOLOGY OF PORT DAVEY - BATHURST HARBOUR AREA

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CONTOUR INTERVAL 100 METRES

FIG 1:1



- Geological boundary, position approximate
- Geological boundary, position inferred
- Geological boundary, transitional
- Fault, position approximate
- Fault, position inferred
- Strike and dip of bedding, right way up, overturned, vertical, facing known
- Strike and dip of compositional layering (sedimentary or metamorphic), vertical
- Strike and dip of large-scale compositional layering (structural or metamorphic) parallel to first, second tectonic surface
- Strike and dip of first, second, third, fourth tectonic surface related to first, second, third, fourth fold generation in metamorphic rocks
- Strike and dip of cleavage, vertical cleavage
- Axial trace of major fold, system, surface
- Minor fold hinge - line with plunge and dip of axial surface indicated, overfold, overfold with axial surface dip along fold hinge - line
- Plunging minor fold hinge - line with axial, axial vergence
- Plunging minor fold hinge - line, first, second, third, fourth generation fold
- Isolated outcrop indicated e.g. Pt. Pys

| | | | |
|-------------------------|--|----------------|---|
| CAMBRIAN QUATERNARY | | Q | Alluvium and swamp deposits |
| | | S | Shale and siliceous sand |
| | | U | Block sand and cobble |
| | | U ₁ | Fine, arenaceous quartzite |
| | | U ₂ | Fractured surface |
| | | U ₃ | Flashed back deposits of bedded pebbles and cobbles |
| | | U ₄ | Siliceous conglomerate |
| | | U ₅ | Disconformity |
| PALAEOZOIC | | M | Mudstone - shallow water facies/low quartz arenite |
| | | M ₁ | Disconformity |
| | | M ₂ | Interbedded mudstone and parallel bedded quartz - waste (Lean Point Sandstone) |
| | | M ₃ | Interbedded mudstone, lenticular conglomerate, quartz - waste and pebbles |
| | | M ₄ | conglomerate (Bathurst Sandstone and Conglomerate) |
| | | M ₅ | Mudstone and greywacke (Long Bay Shale) |
| | | M ₆ | Quartzite - waste and conglomerate interbedded with mudstone. Conglomerate response indicated (Mt. Mackenzie Sandstone and Conglomerate) |
| | | M ₇ | Phyllite - coralline conglomerate, greywacke and quartz - waste interbedded with mudstone. Conglomerate maximum possible indicated: 1 - 100 mm, 2 - 100 mm, 3 - 500 mm, 4 - 500 mm (Mt. Rugby Conglomerate) |
| | | M ₈ | Indirectly inferred unconformity |
| PRECAMBRIAN PROTOLITHIC | | P | Quartzite, massive to blocky, interbedded phyllite and quartz white - mica schist (Pys) indicated at some localities |
| | | P ₁ | Quartz white - mica schist |
| | | P ₂ | Quartz white - mica schist garnet schist |
| | | P ₃ | Quartz white - mica schist garnet schist |
| | | P ₄ | Quartz white - mica schist |
| | | P ₅ | Phyllite with minor interlayered quartzite and quartz schist |
| | | P ₆ | Green amphibole epidote schist and amphibolite |
| JURASSIC ? | | J | Schistite at DIB24000 |
| PRECAMBRIAN | | P | Mica - detritite at DIB20047 |

CARTOGRAPHY BY P.A. MANKVELL