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REPORT ON EXAMINATION OF
THE AREA BETWEEN
HUDSON RIVER + WART HILL

58-221

REPORT ON EXAMINATION OF
THE AREA BETWEEN HUDSON
RIVER AND WART HILL

COPY 1 of 2

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Hudson R - Wart Hill Area

L.E.E. 28/4/58

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MICROFILMED

To: Mr. G.F. Hudspeh.

28th April,

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REPORT ON EXAMINATION OF THE AREA BETWEENHUDSON RIVER AND WART HILL

Dates of Examination: 13th to 20th February, 1958.
Party Leader: I.M. Paltridge.
Personnel: D.H. Watson.
Man Days in Field: 14
Base Camp: Wart Hill
Transport & Supply: Helicopter.

General Topography

The area is one of generally rolling relief developed on a cut marine terrace at a height of about 200 feet. The main streams are deeply entrenched and bordered by scrub and timber. The plains and also Wart Hill, which rises to a height of some 600 feet, are covered by button grass.

Geological Investigation

The rocks exposed in the area belong to three groups, the middle Cambrian Dundas Group metasediments comparable with those exposed near the mouth of the Lewis River, Owen Conglomerate whose outcrop is covered by heavy timber and Tertiary sediments found between Waterloo Creek and Hudson River.

The Dundas Group, which also includes some exposures of altered, fine-grained, igneous rocks, has a prominent schistosity with a general northerly trend and a steep westerly dip. Bedding is very rarely seen.

(2)

The Owen Conglomerate outcrops in a downfaulted block, which is a continuation of the Osmund Syncline, between Waterloo Creek and Wart Hill.

Between Waterloo Creek and Hudson River lies an outcrop of gravels and sands, probably of Tertiary age, which does not exceed 100 feet in thickness. The gravels consist of well rounded pebbles, mainly quartz but with some pebbles of Dundas Group schists. The sands are medium grained with prominent limonite staining.

Faulting

One possible fault, apart from those forming the Owen/Dundas contact, was found in the Dundas Group.

Mineralisation

The sole evidence of mineralisation seen was some pyritic chloritite in the Dundas Group. Sample 1E 1228 is this chloritite and its country rock.

Michael Patrick