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Preliminary Mineral Occurrence Data for Cape York Peninsula

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Record 1991/78

by

F.E. von Gnielinski, P.H. Dash, B.G. Elliott, and G.R. Ewers

BMR GEOLOGY AND GEOPHYSICS AUSTRALIA

DEPARTMENT OF RESOURCE INDUSTRIES

A Contribution to the National Geoscience Mapping Accord

NORTH QUEENSLAND PROJECT

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NORTH QUEENSLAND PROJECT

DEPARTMENT OF PRIMARY INDUSTRIES AND ENERGY

Minister: The Hon. Alan Griffiths

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Cape York MINOCC data

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SUMMARY

This record contains preliminary mineral occurrence data for that region of Cape York Peninsula between longitudes 141°00' and 144°00' east and north of latitude 16°00' south. It includes data sheets for 255 mineral occurrences summarizing available information taken mainly from open file company reports released before 1980, a series of tables to assist the reader in searching this information, maps, and appendices which explain the terminology and abbreviations used. A brief overview of the regional geology and mining history for Cape York Peninsula is presented as a background to this information.

The area covered in the record includes the 1:250 000 sheet areas of Thursday Island (SC 54-11), Cape York (SC 54-12), Jardine River (SC 54-15), Orford Bay (SC 54-16), Weipa (SD 54-03), Cape Weymouth (SD 54-04), Aurukun (SD 54-07), Coen (SD 54-08), Holroyd (SD 54-11), Ebagoola (SD 54-12), Rutland Plains (SD 54-15) and Hann River (SD 54-16), which collectively contain 49 1:100 000 sheets.

Mineralisation in the region includes aluminium, antimony, copper, gold, iron, kaolin, lead, manganese, rutile, silica sand, silver, tin, tungsten, uranium, and zircon. Before 1960 alluvial and lode gold and alluvial tin were the main commodities mined; lode tin and tungsten were also produced. Past exploration activities were directed toward the search for alluvial tin and to a lesser extent uranium, copper and mineral sands. Current exploration activities are focussed on gold and heavy mineral sands (ilmenite, monazite, rutile, zircon) and silica sand.

Since the early 1960s bauxite and kaolin have been the major commodities produced from the region. Current mining activity is centered on the world's largest bauxite deposit at Weipa on the west coast of Cape York Peninsula.

KEYWORDS: Regional geology, mineralisation, geochemistry, geophysics, mining history, exploration, MINOCC, MINDEP, Carpentaria Basin, Coen Inlier, Proterozoic, Siluro-Devonian, Permo-Carboniferous, Mesozoic, Cainozoic, gold, tin, tungsten, silver, bauxite, kaolin, uranium, iron, manganese, lead, copper, antimony, rutile, zircon, monazite, silica sand.

INTRODUCTION

In 1989, the Bureau of Mineral Resources, Geology and Geophysics (BMR) began compiling data on mineral occurrences in the Cape York region. This region includes the northern part of the Carpentaria Basin, the Coen Inlier, the Torres Strait Islands, and the Yambo Inlier.

The data were compiled primarily from company reports held on open file at the Department of Resource Industries (DRI) in Brisbane. They cover metallic and some non-metallic mineral occurrences and deposits, but data for coal, petroleum, oil shale, groundwater, and construction materials were not collected.

This work was undertaken as a prelude to the commencement of the National Geoscience Mapping Accord (NGMA) North Queensland project in July, 1990; this is a collaborative project between BMR and the Geological Survey of Queensland (GSQ). The project will provide over the next 6 years a sound geoscientific knowledge base for the development of future management options for the North Queensland region. It will consolidate existing data, and through further regional geological, geochemical, metallogenic, and regolith mapping provide new data that can be used to assess the mineral potential of the region. A preliminary assessment of the mineral potential for Cape York Peninsula has been published recently by Miezitis and Bain (1991).

To facilitate collection of the mineral occurrence data, a BMR officer was temporarily based in Brisbane. Staff of the GSQ Metallogenic Studies Subprogram provided considerable help throughout the compilation process and provided valuable assistance and advice during the data entry and reporting phases of the work. The data contained in this report are of a preliminary nature and have been released now because of their potential benefit to the mineral industry and other users. It is proposed that further information will be added from more recent company reports and other sources (e.g. Annual Reports of the Department of Resource Industries), and that some of the data, particularly as it relates to the locality, will be improved through field checking. Ultimately, an upgraded database will be made available in digital form.

LOCATION AND ACCESS

Figure 1 takes in the Mining Districts of Weipa, Thursday Island, and Cooktown,

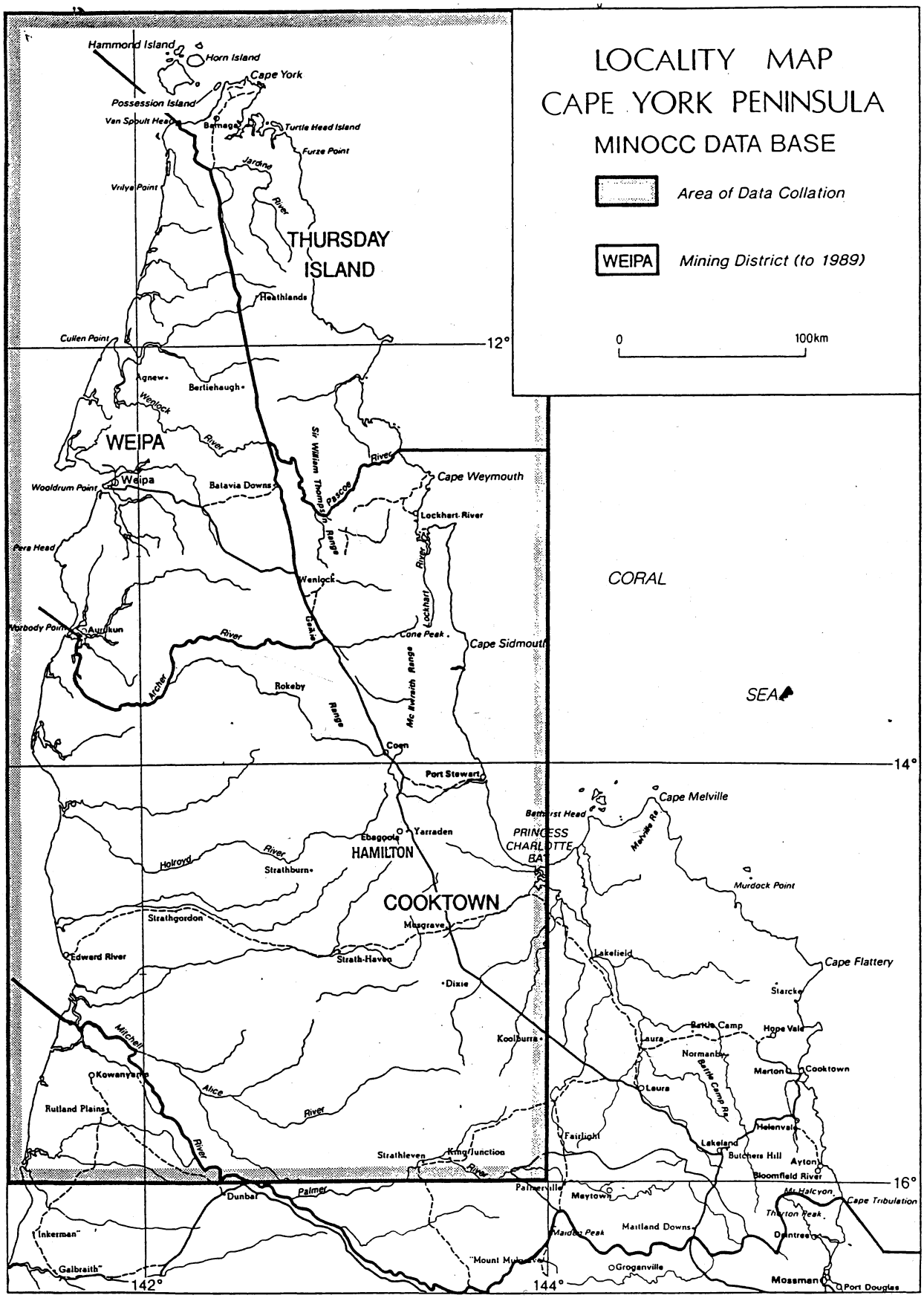

FIGURE 1 Locality Map for Cape York Peninsula

and illustrates the area over which data have been compiled. Access to the northern part of the Cape York Peninsula is by unsealed road from Laura to Coen and Bamaga (Peninsula Developmental Road). Other roads branch from this road to Weipa and to Iron Range/Lockhart River. Elevation ranges up to 700 m above sea level, with vegetation ranging from rain forest to open scrub. Heavy rainfall during the wet season makes roads impassable and limits access to many parts of the region. There are regular air services to Weipa and to the Coen and Lockhart River airstrips.

Figure 2 provides a key to the 1:250 000 and 1:100 000 scale geological maps relevant to the data contained in this record. They include the 1:250 000 sheet areas of Thursday Island (SC 54-11) and Cape York (SC 54-12) in Torres Strait, Jardine River (SC 54-15), Orford Bay (SC 54-16), Weipa (SD 54-03), Cape Weymouth (SD 54-04), Aurukun (SD 54-07), Coen (SD 54-08), Holroyd (SD 54-11), Ebagoola (SD 54-12), Rutland Plains (SD 54-15), and Hann River (SD 54-16). Although 49 1:100 000 scale sheet areas were surveyed, data are reported from the 40 1:100 000 sheet areas shaded in Figure 2.

REGIONAL GEOLOGY

The regional geology outlined is based on the 1:2 500 000-scale Queensland Geology map, the above mentioned 1:250 000-scale geology maps, and information from exploration company reports.

The major structural units in the region are the Coen, Yambo, and Cape York-Oriomo Inliers, and their surrounding basins; the Carpentaria Basin to the west; and the Hodgkinson and Laura Basins to the east.

A generalised stratigraphic sequence for the geology of Cape York Peninsula is shown in Table 1. Proterozoic to Cainozoic rocks crop out in the region. The oldest rocks belong to the Coen and Yambo Inliers; they consist of Proterozoic metamorphic rocks intruded by Siluro-Devonian (and possibly Proterozoic) granitoids belonging to the Cape York Peninsula Batholith and have a dominantly N-S trend. In the northern part of the Coen Inlier, these metamorphic rocks and granitoids are overlain and intruded by Permo-Carboniferous acid volcanics (e.g. Janet Ranges Volcanics, Kangaroo River Volcanics, Cape Grenville Volcanics, Torres Strait Volcanics) and granitoids (e.g. Weymouth Granite, Wolverton Adamellite, Twin Humps Adamellite, and Badu Granite),

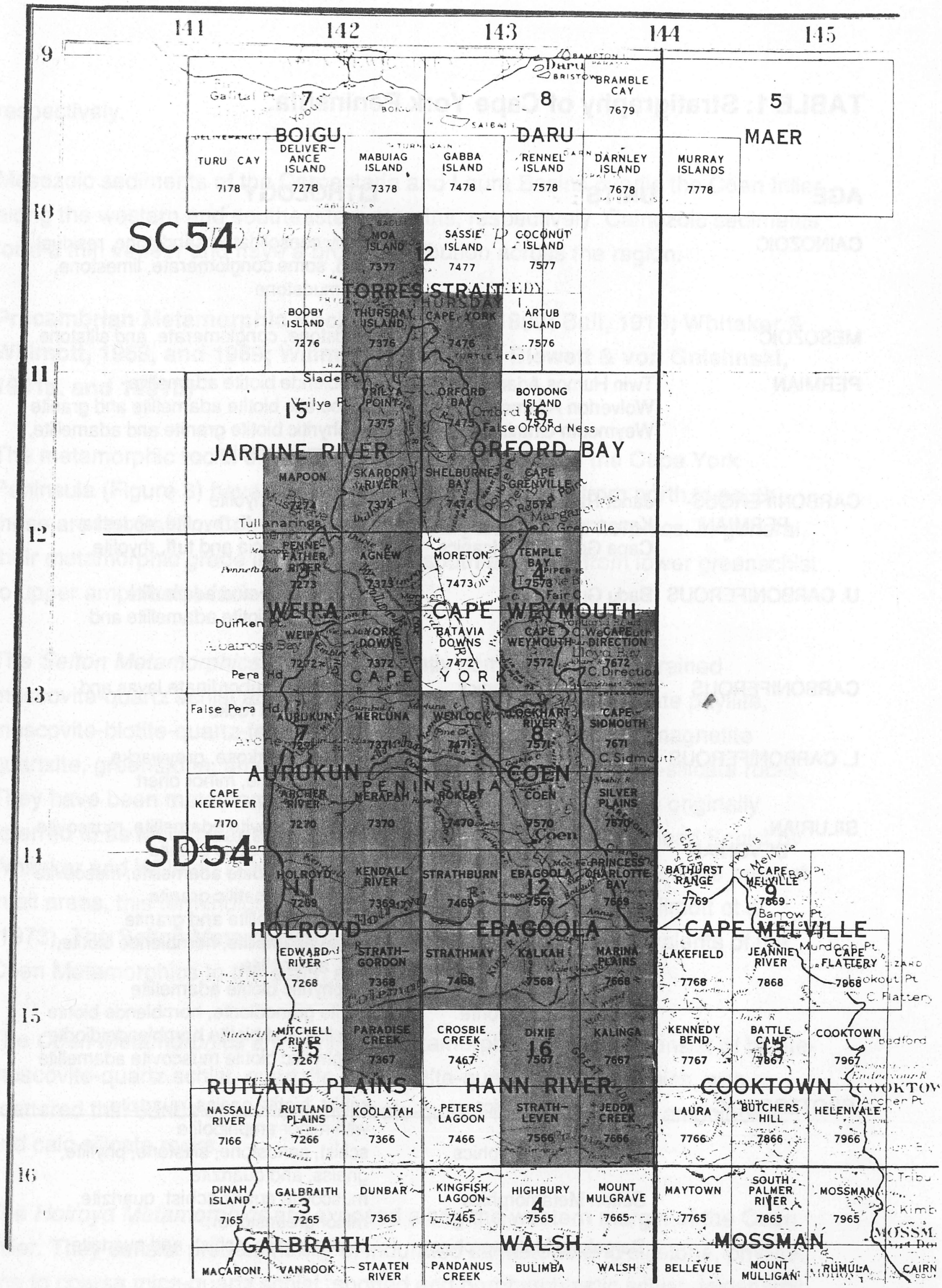

FIGURE 2 **Key to 1:250 000 and 1:100 000 topographic maps (reproduced from Sunmap, Queensland Department of Mapping and Surveying)**

TABLE 1: Stratigraphy of Cape York Peninsula.

AGE	UNITS	LITHOLOGY
CAINOZOIC		poorly consolidated sandstone, residual sand, some conglomerate, limestone, and mudstone
MESOZOIC		sandstone, conglomerate, and siltstone
PERMIAN	Twin Humps Adamellite	hornblende biotite adamellite
	Wolverton Adamellite	leucocratic biotite adamellite and granite
	Weymouth Granite	porphyritic biotite granite and adamellite, some microgranite
CARBONIFEROUS-PERMIAN	Janet Ranges Volcanics	welded tuff, rhyolite
	Kangaroo River Volcanics	acid welded tuff, rhyolite, andesite
	Cape Grenville Volcanics	volcanic breccia and tuff, rhyolite
U. CARBONIFEROUS	Badu Granite	biotite granite and adamellite, hornblende biotite adamellite and granodiorite
CARBONIFEROUS	Torres Strait Volcanics	welded tuff, subordinate lavas and volcaniclastic rocks
L. CARBONIFEROUS	Pascoe River Beds	sandstone, arkose, greywacke, siltstone, shale, minor chert
SILURIAN-DEVONIAN	Kintore Adamellite	biotite muscovite adamellite, muscovite granite, pegmatitic granite
	Lankelly Adamellite	porphyritic biotite adamellite, muscovite granite, pegmatitic granite
	Wigan Adamellite	biotite adamellite and granite
	Blue Mountains Adamellite	biotite adamellite, hornblende biotite, and, adamellite
	Morris Adamellite	porphyritic biotite adamellite
	Flyspeck Granodiorite	biotite granodiorite, hornblende biotite tonalite, and biotite hornblende diorite
	Aralba Adamellite	porphyritic biotite muscovite adamellite
PROTEROZOIC	Coen Metamorphics	schist, biotite gneiss, quartzite, with minor amphibolite
	Holroyd Metamorphics	schist, sandstone, siltstone, phyllite, gneiss, and quartzite
	Sefton Metamorphics	muscovite quartz schist, quartzite, minor greenstone
	Dargalong Metamorphics	biotite gneiss, schist, and quartzite

(modified from Geological 1:250 000 sheets for Torres Strait, Cape Weymouth, Coen, Ebagoola and Hann River)

respectively.

Mesozoic sediments of the Carpentaria and Laura Basins overlie the Coen Inlier along the western and southeastern margins, respectively. Cainozoic sediments form a thin veneer and have a broad distribution across the region.

Precambrian Metamorphic Rocks (Skertchly, 1899; Ball, 1918; Whitaker & Willmott, 1968, and 1969; Willmott et al., 1973; Blewett & von Gnielinski, 1991a, and 1991b)

The metamorphic rocks of the Coen and Yambo Inliers of the Cape York Peninsula (Figure 3) have been divided into four groups; from north to south these are the Sefton, Coen, Holroyd, and Dargalong Metamorphics. In general, their metamorphic grade increases to the south and east from lower greenschist to upper amphibolite facies.

The *Sefton Metamorphics* are predominantly composed of fine-grained muscovite-quartz schist and quartzite interbanded with subordinate phyllite, muscovite-biotite-quartz-feldspar schist, hematite-quartz schist, magnetite quartzite, greenstone, amphibolite, schistose limestone, and calc-silicate rocks. They have been metamorphosed to greenschist facies, and were originally referred to as Mount Carter Schist, Iron Range Schist, and Bolt Head Schist by Whitaker and Willmott (1969). However, because similar rock types are present in all areas, this terminolgoy was subsequently abandoned by Willmott et al. (1973). The Sefton Metamorphics were probably low-grade equivalents of the Coen Metamorphics to the south and east.

The *Coen Metamorphics* are of higher metamorphic grade and consist of biotite-muscovite-quartz schist, quartzite, and biotite-quartz-feldspar gneiss, with scattered thin bands of garnet-amphibole-quartz-feldspar gneiss, amphibolite, and calc-silicate rocks.

The *Holroyd Metamorphics* are exposed along the western margin of the Coen Inlier. They consist predominantly of indurated sandstone and siltstone, phyllite, fine to coarse mica-quartz schist, spotted and porphyroblastic schist, feldspathic schist, quartzite, gneiss, greenstone, and amphibolite. In general, the grainsize and metamorphic grade increase towards the east.

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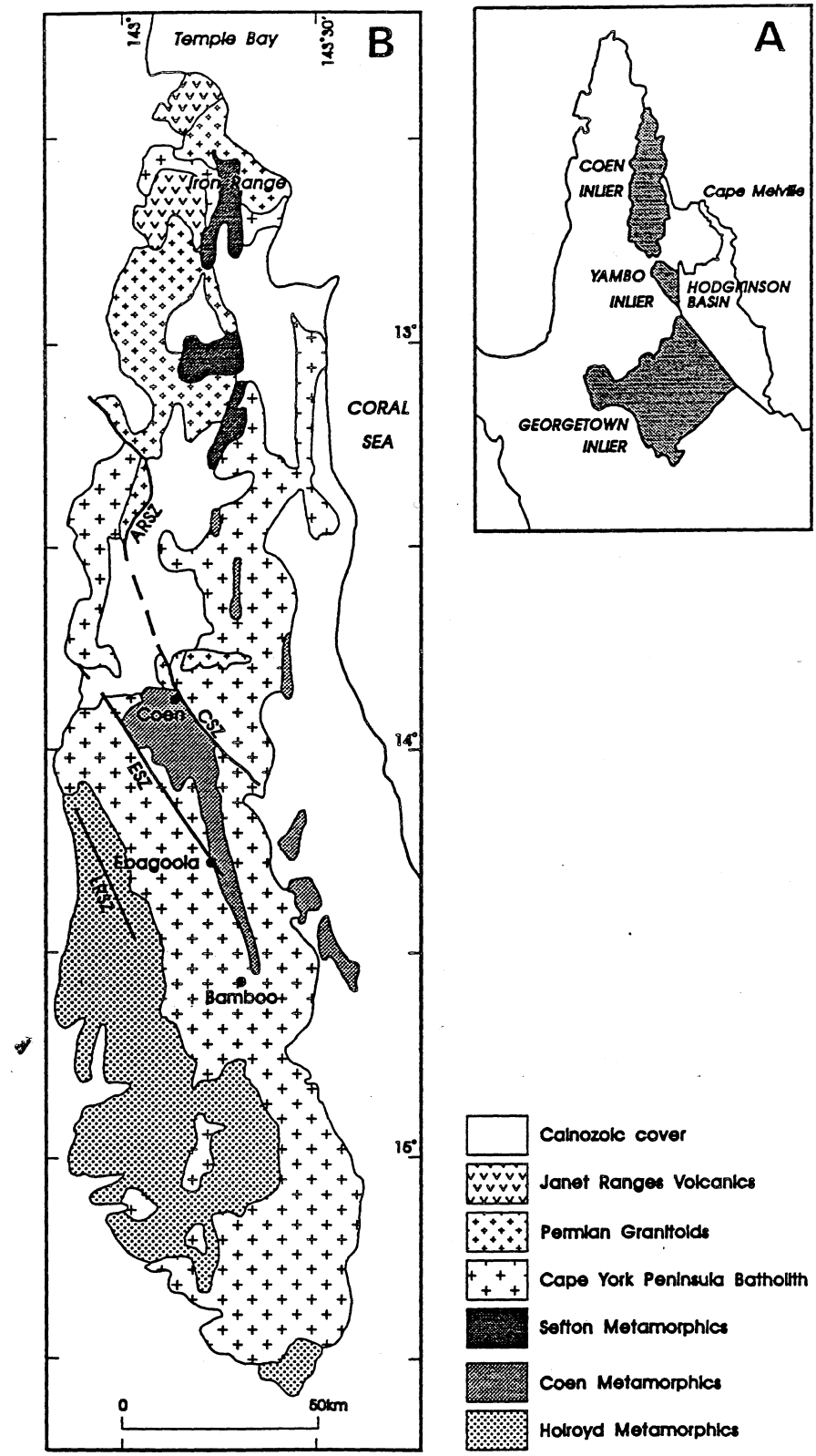

FIGURE 3 **Geology of North Queensland showing the Proterozoic Coen, Yambo, and Georgetown Inliers (A), and a simplified geology of the Coen Inlier with the Coen (CSZ), Ebagoola (ESZ), Archer River (ARSZ), and Lukin River (LRSZ) shear zones marked (B) (from Blewett & von Gnielinski, 1991b).**

The *Dargalong Metamorphics* crop out in the Yambo Inlier (Figure 3) and are also known from the Chillagoe area further to the south. They consist of biotite-plagioclase-quartz gneiss, plagioclase-muscovite-biotite-quartz schist, muscovite-quartz schist, quartzite, amphibolite, and rare bands of amphibole- and diopside-bearing gneiss.

Siluro-Devonian Cape York Peninsula Batholith (Whitaker and Willmott, 1968, and 1969; Willmott et al., 1973; Cooper et al., 1975; Richards, 1980)

The Siluro-Devonian *Cape York Peninsula Batholith* (Figure 3) is composed of a number of regionally concordant intrusions which contain remnants of the older metamorphic rocks. Seven intrusive units have been recognised: the Kintore Adamellite, Flyspeck Granodiorite, Blue Mountains Adamellite, Morris Adamellite, Wigan Adamellite, Lankelly Adamellite and Aralba Adamellite. Collectively they form a northerly trending belt about 400 km long and between 2 and 60 km wide and crop out in the Coen and Yambo Inliers. The Aralba Adamellite is confined to the Yambo Inlier.

The granitoids are composed predominantly of muscovite and/or biotite-rich granite, adamellite, and granodiorite, and have been regarded as dominantly S-type. The hornblende-bearing granitoids (Flyspeck Granodiorite and Blue Mountains Adamellite) are I-type. There is considerable variation in composition and texture within most of the units.

The *Kintore Adamellite* is regarded as a major component and outcrops along the full extent of the batholith. Typically, this unit has high Al_2O_3 and K_2O, with SiO_2 ranging between 71% and 75%. Garnet-muscovite granites and associated pegmatites and layered aplites near or intruding the Coen Metamorphics are also interpreted as belonging to the Kintore Adamellite. Rocks regarded as belonging to the *Flyspeck Granodiorite* have lower SiO_2 contents (56% to 69%). The remaining plutons (*Lankelly, Blue Mountains, Aralba, Morris, and Wigan Adamellites*) consist mainly of biotite adamellite. Their muscovite content varies markedly, but commonly they all contain around 70 to 75% SiO_2, and have high Al_2O_3 and K_2O.

Carboniferous - Permian Sedimentary and Volcanic rocks (Whitaker and Willmott, 1973)

The northern section of the Coen Inlier is overlain by a poorly exposed sequence of Carboniferous fresh-water sediments (*Pascoe River Beds*) and by extensive Carboniferous-Permian acid pyroclastic rocks and lavas (*Janet Ranges, Kangaroo River, and Cape Grenville Volcanics*). The volcanic units unconformably overlie the Pascoe River Beds and have been intruded by the Permian granitic rocks (Figure 3) belonging to the *Weymouth Granite, Twin Humps Adamellite*, and *Wolverton Adamellite*. The Weymouth Granite has been described as a medium- to coarse-grained hornblende biotite granite or adamellite and the Twin Humps Adamellite is typically a coarse-grained, grey, hornblende-biotite adamellite which includes a subordinate, pink leucocratic variety. The Wolverton Adamellite is a fine- to medium-grained grey to pink leucocratic biotite adamellite and granite.

In Torres Strait, this period of igneous activity is represented by the *Torres Strait Volcanics* which are intruded by the *Badu Granite*.

Mesozoic Sediments

Mesozoic sediments overlap the Coen Inlier to the west, south and east. The main stratigraphic units are the Early Cretaceous *Rolling Downs Group*, a formation comprising mudstone and siltstone with minor labile and glauconitic quartzose sandstone, the Late Jurassic to Early Cretaceous *Gilbert River Formation*, with slightly clayey quartztose sandstone, minor mudstone and conglomerate, and the Late Jurassic *Dalrymple Sandstone*, a very quartzose sandstone with minor shale and siltstone.

Cainozoic Sediments

The surficial Cainozoic deposits include river alluvium and marine sediments in coastal regions, and residual sand, which covers large areas of the batholith and Mesozoic sediments.

THE MINERAL OCCURRENCE DATA MANAGEMENT SYSTEM [MINOCC]

GSQ is developing its **Min**eral **Occ**urrence Data Management System (MINOCC) to facilitate the storage, manipulation, and reporting of data and their presentation as data sheets and maps. It provides a standardised format for recording data. As far as possible, data for occurrences in Cape York were compiled to meet both DRI's data standards and those of BMR's comprehensive **Min**eral **Dep**osits database (MINDEP).

MINOCC data sheets, which are the substance of this report and are given in Appendix 1, contain information on commodity, location, status, and method of workings, production, mining and exploration history, geological setting, and deposit characteristics (including general remarks) for each mineral occurrence and deposit. The data compiled for 255 mineral occurrences were extracted mainly from open file company reports dated between 1969 and 1980. Data could not be included from post-1980 reports because of the limited time available to carry out the work. However for selected areas data were obtained from more recent material and these are cited in the references section on each data sheet. Confidential data have been omitted from the compilation.

Appendices 2, 3, and 4 provide an explanation of the terminology and abbreviations used in the data sheets reported in Appendix 1. Appendix 2 gives an overview of the Mineral Occurrence Data Management System with a description and explanation of the data fields used in the MINOCC data sheets. Alphabetical and numerical codes shown after the company name in the "exploration summary" field indicate the method(s) of exploration used in the vicinity of the occurrence; they also indicate the type of samples taken from the area and the number of samples collected. Appendix 3 provides a key to the meaning of these codes.

Two letter codes preceded by "#" (hash) identify and classify certain types of information in the "remarks" field. These codes will be of assistance in transferring the data to specific fields in BMR's MINDEP database.

Data on ore genesis and geological descriptions tend to be minimal and regional in coverage for most company reports, applying more to Authorities to Prospect (ATP, now called Exploration Permit for Minerals) and Mining Leases (ML) than to specific occurrences. Quantitative information on production and resources

are seldom given and the dimensions of mineralisation are usually unknown. Information available from other sources will be added at a later stage.

The accuracy of the localities is totally dependent on the quality of information in the company reports. Some reports give very comprehensive information on the positions of the occurrence (locality description or detailed map); others show rough or incorrect plans. Field verification was not possible when this report was prepared but is being followed up under the joint National Geoscience Mapping Accord Project in North Queensland by the Metallogenic Studies Subprogram at GSQ.

Each mineral occurrence in this database describes either an old working or a major mineral occurrence defined by outcrop of mineralisation, major anomalies or geochemistry. Mineral occurrence reference numbers are derived from the Australian National Spheroid Grid Values on the topographical 1:100 000 sheets. Unless stated otherwise, a single orebody is treated as a separate mineral occurrence. Deposits with a large areal extent have been treated as polygons and the centroid of this polygon marks the grid reference. For example iron and manganese occurrences in the Iron Range region (company report CR 6598), have been grouped together. In other areas, minor unnamed occurrences have been grouped in areas of 1 - 2 kms radius and the centroid used as grid reference point.

A plan or map extracted from the relevant company report has been placed on the facing page for most data sheets. Users should find these maps of assistance in locating a given mineral occurrence. BMR's MINLOC database contains information on the locations of Australian mineral occurrences and deposits and can be used to generate maps at different scales showing their distribution. However, for Cape York Peninsula, we have chosen not to illustrate these data in this way because of the very large area involved and the concentration of localities which cannot be resolved without excessive clustering in a given mineral field.

A series of Tables with summary information have been generated to facilitate access to the information contained on the data sheets, and to enable a rapid search to be carried out on selected criteria. Table 2 provides an alphabetical listing of all of the mineral occurrences compiled in this report, and Tables 3, 4, and 5 list mineral occurrences by commodity, 1:100 000 sheet area and

geological formation, and commodity, respectively. Table 6 summarizes mineral exploration activity under Authorities to Prospect in Cape York Peninsula for the period 1968-1980. Some confidential company reports are noted in relation to some Authorities to Prospect, but this is only for completeness and no information from them has been used in this report.

MINING HISTORY AND PRODUCTION (Whitaker, 1975; Dugdale, 1991)

Most of the following information has been drawn from Whitaker (1975), Willmott et al. (1973), and Dugdale (1991), and should be cross referenced to Figure 4.

Gold mining in the Coen Inlier

Although gold was first discovered in an alluvial deposit at Coen in 1876, production from the Coen Inlier was restricted essentially to the period 1884 to 1914. Production came from several small fields with a recorded total output of 6843 kg of gold.

The major sources of gold were quartz-fissure reefs and acid dykes within the Siluro-Devonian Cape York Peninsula Batholith. Many of the lodes are associated with shearing near the contact with Proterozoic metasedimentary rocks. Sulphides associated with the gold, include traces of stibnite, arsenopyrite and galena.

By 1914 most of the smaller reefs were exhausted and other mines were having difficulties in treating primary sulphide-bearing ore. The discovery in later years of Wenlock (1922) and Iron Range in the Claudie River mining field (1930s) resulted in only minor increases in production.

The main goldfields established on the Coen Inlier were Alice River, Hamilton, Coen, Rocky River, Wenlock, and Claudie River (Figure 4).

In the *Alice River Goldfield*, mining was confined to two NNW-trending vertical quartz reefs in Kintore Adamellite (Alice Queen and Peninsula King). The total production from 1903 to 1917 was about 93 kg of gold from 2845 t of ore, plus 14 kg of alluvial gold.

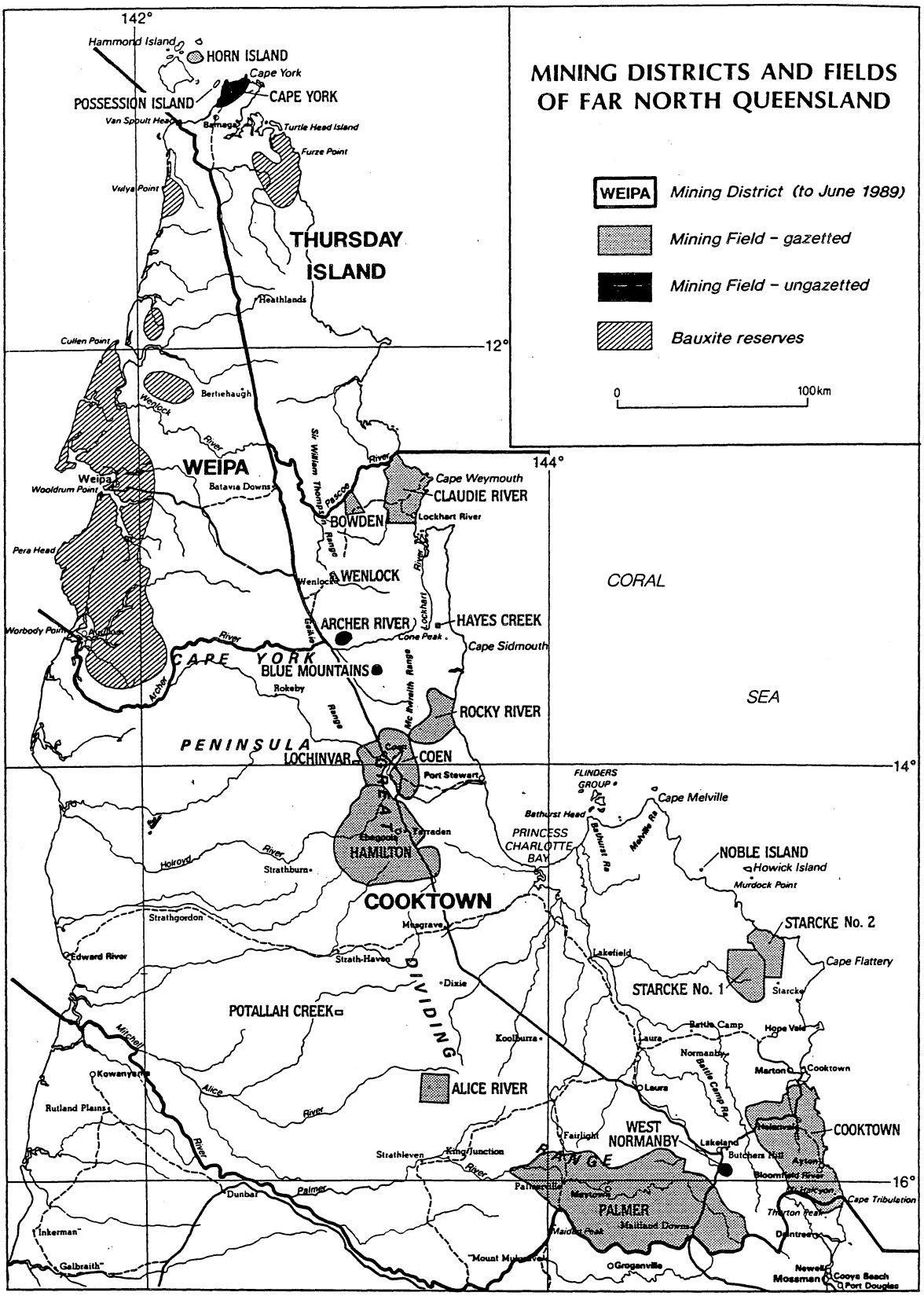

FIGURE 4 Mining districts and fields in Far North Queensland

In the *Hamilton Goldfield*, gold is associated with N-striking quartz reefs; some fissure reefs occupy shears along the contact between granite and the Coen Metamorphics and other compound fissure veins are associated with acid dykes or with beds of quartzite. Towards the south, the reefs occur within the Flyspeck Granodiorite. Gold was discovered by John Dickie at Ebagoola in 1900 and further south near the Lukin River in the following year. Total production to 1951 was 2292 kg of gold, comprising 1372 kg of reef gold from 34196 t of ore, 682 kg of alluvial gold, and 238 kg from treatment of 19256 t of tailings.

Productive reef mining within or adjacent to the Coen Shear Zone (CSZ; see Figure 4B) on the SW margin of the Lankelly Adamellite did not commence in the *Coen Goldfield* until 1892, even though alluvial gold was discovered at Coen in 1876 . Total recorded production from 1892 to 1916 amounted to 2333 kg of gold from 28950 t of ore, of which nearly 2180 kg of gold came from 26200 t of ore from the Great Northern mine.

In the *Rocky River field*, total production was 149 kg of gold from about 1000 t of ore comprising mainly alluvial material.

In the *Wenlock Goldfield*, alluvial deposits, quartz reefs in Kintore Adamellite, and deep leads in overlying Mesozoic conglomerates and sandstone were mined. About 93 kg of alluvial gold were produced prior to the discovery of a lode deposit at Plutoville in 1910. Plutoville eventually yielded an estimated 187 kg of gold.

Gold mining was active between 1933 and 1942 at three localities in the *Claudie River Goldfield*. Total recorded production from 1934 to 1942 at Iron Range, Scrubby Creek and Packers Creek, was 333 kg of gold. Average grade was 15.9 g/t. The Iron Range Mine was the most productive mine in the field, with most of the gold associated with quartz veins in hematite schist of the Sefton Metamorphics. Ore shoots are associated with faults in the schist and some reefs, both parallel with and discordant to the schistosity, appear to be stratabound. The small reefs at Scrubby and Packers Creeks occur in the Permian Weymouth Granite.

Minor gold has also been produced from small workings at *Potallah Creek*, *Lochinvar*, the *Blue Mountains* (nearly 34 kg of gold from about 950 t of ore to 1951) and *Hayes Creek* (about 20 kg of gold to 1938).

Gold, tin and tungsten mining in the Torres Strait area

Mineralisation in the Cape York-Oriomo Inlier appears to be related to the Late Carboniferous Badu Granite and acid volcanics of the Torres Strait Volcanics. About 332 kg of gold were produced from quartz reefs on Possession Island and Horn Island, and a further 31 kg were produced from alluvials on Horn Island.

Alluvial and vein cassiterite has been mined from altered volcanics on the northern tip of Cape York at Punsand Bay and Laradeenya Creek (12 to 14 t of concentrate) and Hollands Reef, 3 km south of Punsand Bay (10 to 12 t of concentrate).

Eighty four tonnes of wolfram concentrate were produced from quartz lodes in Badu Granite and hornfelsed Torres Strait Volcanics on Moa Island (Banks Island).

Minor copper and lead associated with gold-bearing quartz reefs have been identified at several localities in Torres Strait.

Other metals mined or prospected in the Coen Inlier

Tin

Small quantities of alluvial cassiterite were mined at Granite Creek (1906-1931; 118 t of concentrate) and Tin Creek and Stony Point, north of the Pascoe River (14 t of concentrate).

Tungsten (and molybdenum)

Wolframite was mined from the Bowden field (1905-1916; 71 t of concentrate). The wolframite occurs as bunches in quartz lodes in faulted mica schist close to the contact with the Weymouth Granite.

Iron and manganese

The iron and manganese deposits of Iron Range contain "indicated reserves" of 1 000 000 t with grades of 54 to 62% combined iron and manganese, and "inferred reserves" of 300 000 t containing between 45 to 55% iron and manganese (Canavan, 1965). The deposits, consisting of steeply-dipping lenses of magnetite and hematite-rich schist and quartzite, are considered to be sub-

economic.

Antimony

Stibnite occurs associated with pyrite, arsenopyrite, and galena in gold-bearing quartz reefs in the Alice River and Hamilton Goldfields. An antimony deposit was reported to have been discovered by John Dickie in 1907, 30 km east of the Alice River Goldfield, but no antimony production figures have been recorded from the region.

Bauxite and kaolin mining in Cape York Peninsula

The high-grade aluminium-rich laterites of Cape York Peninsula form one of the largest single deposits of bauxite in the world. The red cliffs along the western coastline were noted by M. Flinders in 1802, R.L. Jack in 1880, and C.V. Jackson in 1902, but their extent (see Figure 4) and economic potential was first recognised by H.J. Evans in 1955. Commercial shipment of bauxite from Weipa began in 1963. By the 1970s, annual shipments reached 7 Mt. Comalco's current reserves of proven, probable, and possible ore exceed 3 000 Mt of recoverable bauxite. Exploration is continuing to prove up mineable ore.

Kaolin is mined also from clay lenses, and occurs in the pallid zone underlying the bauxite. Thickness averages 4.5 m with about 6.5 m of overburden. Proven and probable ore reserves are 17.8 Mt with a further 5.7 Mt as possible ore reserves (Schapp, 1990).

MINERAL EXPLORATION

A summary of mineral exploration carried out in Cape York Peninsula between 1969 and 1990 is currently being prepared for early release as a QDRI Record by the QDRI Metallogenic Studies Subprogram. As mentioned, Table 6 summarizes mineral exploration activity under Authorities to Prospect in Cape York Peninsula for the period 1968-1980, as it relates to this report.

Table 7 provides separate listings of both non-company (published and unpublished) and open file company reports consulted in the production of this Record.

ACKNOWLEDGEMENTS

W. Willmott of the Mineral Resources Development Program, and L. Culpeper of the Metallogenic Studies Subprogram, Department of Resource Industries, Brisbane, provided considerable assistance and advice throughout the compilation, data entry, and reporting phases of the work. P. Punter of the Computer Services Subprogram, Department of Resource Industries provided the data entry program for the modified mineral occurrence database, and K. Porritt (BMR) provided advice and assistance with data structure. D.M. Hoatson, J.W. Sheraton, and J.H.C. Bain are thanked for their constructive comments on earlier drafts of the manuscript. J. Haldane (BMR) desktop published the contents of Table 6.

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TABLE 2

ALPHABETICAL LIST OF MINERAL OCCURRENCES

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INDEX TO OCCURRENCE NAMES

NAME	1:100 000 SHEET	LOCALITY	REF.NO.	PAGE
A 1	KALINGA	S Great Dividing Range	700966	1
A 2	JEDDA CREEK	S Great Div.Range/N "The Desert"	704819	2
A 3	JEDDA CREEK	S Great Div.Range/N "The Desert"	706811	3
A 4	JEDDA CREEK	S Great Div.Range/N "The Desert"	694831	4
A 5	STRATHLEVEN	S GREAT DIV.RANGE/N "The Desert"	665835	5
A 6	DIXIE	S Great Div.Range/N "The Desert"	670896	6
A 7	DIXIE	S Great Div.Range/N "The Desert"	670894	7
A 9	DIXIE	S Great Div.Range/N "The Desert"	681893	8
A10	KALINGA	S Great Dividing Range	686892	9
A11	KALINGA	S Great Dividing Range	687887	10
A12	DIXIE	S Great Dividing Range	671877	11
A13	DIXIE	S Great Div.Range/N "The Desert"	651850	12
Alice Queen	DIXIE	S COLEMAN RIVER	450924	13
All Nations (Hit or Miss Line)	EBAGOOLA	Great Dividing Range	439173A	14
Andoom	WEIPA	WEIPA/ NW of Mission River inlet	903136A	16
Area 1(Area A)	AGNEW	N of Upper Wenlock River	319365	18
Area 2(Area B)	YORK DOWNS	S of Upper Wenlock River	375170	19
At Mullhollands House(Gibson's Prospect)	THURSDAY ISLAND	E Peak Hill, Punsand Bay.	592144A	20
Bairdville	WENLOCK	S WENLOCK CREEK	152418A	22
Beetle No.1	CAPE WEYMOUTH	IRON RANGE/Scrubby Creek Mining A	535032A	24
Beetle No.2	CAPE WEYMOUTH	IRON RANGE/Scrubby Creek Mining A	536030	26
Block 4-5	MERAPAH	S ARCHER RIVER	290730	27
Block 52-72	MERAPAH	S ARCHER RIVER	510650	28
Block 70-90	MERAPAH	S ARCHER RIVER	440610	29
Block 91	MERAPAH	S ARCHER RIVER	490610	30
Bluff Quarry	THURSDAY ISLAND	2.5km SE PEAK HILL	592133A	31
Booty Hill Pits	THURSDAY ISLAND	SSE PEAK HILL	587104A	33
Boyd	CAPE WEYMOUTH	IRON RANGE	501899	35
Buthen Buthen Group-Battery Hill Buthen	LOCKHART RIVER	SW HOWARD RANGE	667229	36
Buthen Buthen Group-Buthen Buthen Mine(Leo Prospect,Theodore Buthen)	LOCKHART RIVER	Howard Range	667228	37
Buthen Buthen Group-Hidden Treasure	LOCKHART RIVER	SW Howard Range	642219	38
Buthen Buthen Group-Woolan Munga Mine	LOCKHART RIVER	SW Howard Range	657219	39
COM - Area	WEIPA	South of Weipa	950795	40
CT - Area	WEIPA	South of Weipa	920690	41
Caledonia	EBAGOOLA	Great Dividing Range	438177A	42
Camp Egmont	PENNEFATHER RIV	Westcoast/S of Wenlock River	043320	44
Chandogga Point Area	CAPE YORK	Eastcoast Newcastle Bay	725061	45
Choc-A-Block Creek	WENLOCK	NE WENLOCK RIVER	123576	46
Coconut Pod	AURUKUN	AURUKUN	830610	47
Companimano Creek	LOCKHART RIVER	S Howard Range, Hayes Creek.	671214	48
Conical Hill	CAPE GRENVILLE	SHELBURNE BAY	290790	49
Cook Tin Mine(Tin Gully)	WENLOCK	E Granite (Tin) Creek	154200A	50
Cook's Prospect	CAPE WEYMOUTH	IRON RANGE	456901	52
Cook's Prospect	CAPE WEYMOUTH	IRON RANGE	466910	53
Copper Prospect	STRATHLEVEN	S GREAT DIV.RANGE/ N "The Desert"	663848	54
Creek 766 Skarn	LOCKHART RIVER	N GEIKIE RIVER	253254A	55
Creek 783 Skarn	LOCKHART RIVER	N GEIKIE RIVER	253247	57
Creek 895 Skarn	LOCKHART RIVER	N GEIKIE RIVER	254242	58
Creek 896 Skarn	LOCKHART RIVER	N GEIKIE RIVER	257240A	59
Creek 901 Skarn	LOCKHART RIVER	N GEIKIE RIVER	260232	61
Day to Day Workings	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	189812A	62
Dickies	DIXIE	S COLEMAN RIVER	456903	64

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NAME	1:100 000 SHEET	LOCALITY	REF.NO.	PAGE
Dickies No. 1	DIXIE	S GREAT DIVIDING RANGE	673881	65
Dickies No. 2	KALINGA	S GREAT DIVIDING RANGE	690877	66
Dickies No. 3/4(Airstrip lodes)	KALINGA	S GREAT DIVIDING RANGE	702858	67
Downs Gully	WENLOCK	NE WENLOCK RIVER	122527A	68
EET Hill	MOA ISLAND	MOA ISLAND	AA	70
ER - Area	YORK DOWNS	South of Weipa	140820	71
Eastern Granite Skarn	LOCKHART RIVER	N GEIKIE RIVER	265242A	72
Eastern Line Group-Hidden Treasure	EBAGOOLA	Great Dividing Range	448173A	74
Eastern Line Group-Queenslander	EBAGOOLA	Great Dividing Range	452155A	76
Ely East	PENNEFATHER RIV	Westcoast/S of Wenlock River	006280	78
Ely North	PENNEFATHER RIV	Westcoast/S of Wenlock River	978330	79
Ely South	PENNEFATHER RIV	Westcoast/S of Wenlock River	965224	80
Emu Creek	ROKEBY	NE OF COEN RIVER/S GEIKIE RANGE	118858	81
Eureka	DIXIE	S GREAT DIVIDING RANGE	454911	82
FD - Area	MERLUNA	South of Watson River	112228	83
Federal	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	191819A	84
Fortunate Favour				
Sunset				
Bowden				
GHR 1	WENLOCK	N GEIKIE RANGE	136133	86
GHR 2	WENLOCK	N GEIKIE RANGE	143140	87
GHR 3	WENLOCK	N GEIKIE RANGE	151143	88
GHR 4	WENLOCK	N GEIKIE RANGE	155137	89
GHR 5 (Northern outcrop)	LOCKHART RIVER	E GEIKIE RANGE	218275	90
GHR 5 (Southern outcrop)	LOCKHART RIVER	E GEIKIE RANGE	218261	91
GHR 6	WENLOCK	N GEIKIE RANGE	125128	92
GHR 7	WENLOCK	N GEIKIE RANGE	147130	93
GHR 8	WENLOCK	N GEIKIE RANGE	074197	94
GHR 9	WENLOCK	N GEIKIE RANGE	048280	95
GHR10	WENLOCK	N GEIKIE RANGE	994350	96
GHR11	WENLOCK	N GEIKIE RANGE	032351	97
GHR12	WENLOCK	W GEIKIE RANGE	985295	98
GHR13	WENLOCK	W GEIKIE RANGE	974298	99
GHR14	WENLOCK	N GEIKIE RANGE	038193	100
GHR15	WENLOCK	N GEIKIE RANGE	115122	101
GHR16	WENLOCK	N GEIKIE RANGE	153117	102
GHR17	WENLOCK	N GEIKIE RANGE	138099	103
GHR18	ROKEBY	N GEIKIE RANGE	087992	104
GHR19	ROKEBY	N GEIKIE RANGE	146060	105
GHR20	ROKEBY	SW GEIKIE RANGE	010992	106
GHR21	ROKEBY	SW GEIKIE RANGE	006967	107
GHR22	ROKEBY	SW GEIKIE RANGE	078996	108
GHR23	ROKEBY	SW GEIKIE RANGE	043035	109
GHR24	ROKEBY	SW GEIKIE RANGE	046034	110
GHR25	ROKEBY	N GEIKIE RANGE	048038	111
Ginger Dick	THURSDAY ISLAND	3.5km SE PEAK HILL	598125A	112
Gleeson's Gully	WENLOCK	NE WENLOCK RIVER	124525A	114
Goanna Creek	STRATHBURN	N Holroyd River	100238	116
Gold Mount	EBAGOOLA	Great Dividing R./N Lukin River	495064	117
Golden King North	EBAGOOLA	Great Dividing Range	470014A	118
Golden King South 1&2	EBAGOOLA	Great Dividing Range	468008A	120
Gordons	CAPE WEYMOUTH	IRON RANGE	498931	122
Gossan	DIXIE	S Coleman River	234205A	123

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HR - Area	WEIPA	South of Weipa	060830	125
Haikai Mine	EBAGOOLA	Great Dividing Range/ Lukin River	BB	126
Hill Area Skarn	LOCKHART RIVER	N GEIKIE RIVER	255245	127
Hillview	CAPE WEYMOUTH	IRON RANGE	497925	128
Hit or Miss	EBAGOOLA	Great Dividing Range	451156	129
Hit or Miss Line Group-May Queen	EBAGOOLA	Great Dividing Range	446164A	130
Horn Island	THURSDAY ISLAND	Horn Island	439269	132
Imperial Group	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	185817A	133
Iron Clad	CAPE WEYMOUTH	IRON RANGE	498925	135
Iron Hope	CAPE WEYMOUTH	IRON RANGE	497924	136
Johnsons Lode(Johnstons Lode)	CAPE WEYMOUTH	IRON RANGE	498934	137
Jubilee	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	188810A	138
Lapunya Mount	KALKAH	Great Dividing Range	508876	140
Laradeenya Creek	THURSDAY ISLAND	SSE PEAK HILL	543083A	141
Leek Creek(Sandy Creek)	LOCKHART RIVER	N GEIKIE RIVER	306178	143
Leo Creek Mine	COEN	NE-McIlwraith Range	572793	144
Lower Camp-Wenlock	WENLOCK	N-WENLOCK RIVER	108523A	145
Lukin King(Lukin Star)	EBAGOOLA	Great Dividing Range	493041	147
MA 1	KALINGA	"The Desert"	742863	148
MA 2	STRATHLEVEN	N of "THE DESERT"	608790	149
Maula Lode	THURSDAY ISLAND	4.8km S PEAK HILL	570102A	150
Mirian Hill	CAPE WEYMOUTH	IRON RANGE	513952	152
Moody Flat	THURSDAY ISLAND	S PEAK HILL	570096A	153
Mt. Isa	THURSDAY ISLAND	SSE PEAK HILL	591094A	155
Mullhollands Lode	THURSDAY ISLAND	4.1km SSE PEAK HILL	583109A	157
Nilburg Group	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	192821A	159
No.1	KALINGA		DD	161
No.2	KALINGA		719004	162
No.3	KALINGA		720015	163
No.4	KALINGA		708042	164
No.5	KALINGA		717012	165
No.6	KALINGA		717016	166
No.7	KALINGA		721019	167
North Phillip	CAPE WEYMOUTH	IRON RANGE	507917	168
North Queen(Northern)	CAPE WEYMOUTH	IRON RANGE	499949	169
Northern Anomaly-Tadpole Grid	EBAGOOLA	CRA Hill, E of Tadpole Creek	244466A	170
Orford Ness	ORFORD BAY	S of ORFORD NESS (Cape)	998382	172
Packers	CAPE WEYMOUTH	CAPE WEYMOUTH	589025	173
Packsaddle No.1	DIXIE	S GREAT DIVIDING RANGE	672883	174
Packsaddle No.2	KALINGA	S GREAT DIVIDING RANGE	688865	175
Packsaddle No.3	JEDDA CREEK	S Great Dividing Range	684844	176
Pascoe	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	188816A	177
Cremer				
Passed Over 2	CAPE WEYMOUTH	IRON RANGE	508913	179
Peninsula King	DIXIE	S COLEMAN RIVER	457908	180
Penninsula Hope	CAPE WEYMOUTH	IRON RANGE	501943	181
Possum Pod	AURUKUN	AURUKUN	880480	182
Pottalah Creek(Perserverance Mines,70 Mile)	DIXIE	S COLEMAN RIVER	200250A	183
Pratt Tin Mine	LOCKHART RIVER	N GEIKIE RIVER	208188A	185
Rocky River	COEN	E McIlwraith Range-Coast	698730	187
Round Point	CAPE GRENVILLE	SHELBURNE BAY	260775	188
SHB 13	SHELBURNE BAY	SHELBURNE BAY	024019	189
Saddle Hill	CAPE GRENVILLE	SHELBURNE BAY	315770	190

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Scrubby Creek	CAPE WEYMOUTH	CAPE WEYMOUTH	539020	193
Socialist	CAPE WEYMOUTH	W GREAT DIVIDING RANGE	191811A	194
Hereford				
South Philip	CAPE WEYMOUTH	IRON RANGE, Boyd Traverse.	500897	196
South Phillip	CAPE WEYMOUTH	IRON RANGE	507909	197
South Quartzite	CAPE WEYMOUTH	IRON RANGE	509904	198
Southern(Kokialah Area)	AURUKUN	AURUKUN	980240	199
Spion Kop	KALKAH	Great Dividing Range	482945A	200
Stormont	PENNEFATHER RIV	Westcoast/S of Wenlock River	044290	202
TIP- Area	WEIPA	South of Weipa	970630	203
Tappelbang Pod	AURUKUN	AURUKUN	860540	204
Top Camp-Wenlock(Plutoville)	WENLOCK	N-WENLOCK RIVER	121499A	205
Tunnel Gully	WENLOCK	NE WENLOCK RIVER/ 3.4 km NNW old	119526A	207
Turtle Head Island	CAPE YORK	TURTLE HEAD ISLAND	849899	209
Violet Area(Golden King,Savannah)	EBAGOOLA	Great Dividing Range	478100	210
Vrilya Point	VRILYA	Westcoast, Gulf of Carpentaria	270570	211
Ward Gully	WENLOCK	NE WENLOCK RIVER/	CC	212
Weipa	WEIPA	WEIPA	980000A	213
Weisses Gully	WENLOCK	NE WENLOCK RIVER	113510A	215
Wet Creek	LOCKHART RIVER	N GEIKIE RIVER	185166A	217
White Point	SHELBURNE BAY	SHELBURNE BAY	163794	219
Wolverton Bluffs(Upper Granite Creek)	LOCKHART RIVER	N GEIKIE RIVER	168272A	220
Wool Mill	CAPE WEYMOUTH	IRON RANGE	500928	222
Wrights Creek(Ringtail Creek)	LOCKHART RIVER	N GEIKIE RIVER	252184A	223
Yoohoo Creek Skarn	LOCKHART RIVER	N GEIKIE RIVER	254251A	225
_Unnamed	AGNEW	E of Port Musgrave	120590	227
_Unnamed	AGNEW		370520	228
_Unnamed	AURUKUN	AURUKUN	880400	229
_Unnamed	CAPE WEYMOUTH	IRON RANGE	459090	230
_Unnamed	CAPE WEYMOUTH	IRON RANGE	465036	231
_Unnamed	CAPE WEYMOUTH	IRON RANGE	466089	232
_Unnamed	CAPE WEYMOUTH	IRON RANGE	470083	233
_Unnamed	CAPE WEYMOUTH	IRON RANGE	471078	234
_Unnamed	CAPE WEYMOUTH	IRON RANGE	475070	235
_Unnamed	CAPE WEYMOUTH	IRON RANGE	476060	236
_Unnamed	CAPE WEYMOUTH	IRON RANGE	476064	237
_Unnamed	CAPE WEYMOUTH	IRON RANGE	481045	238
_Unnamed	CAPE WEYMOUTH	IRON RANGE	481052	239
_Unnamed	CAPE WEYMOUTH	IRON RANGE	482972	240
_Unnamed	CAPE WEYMOUTH	IRON RANGE	486045	241
_Unnamed	CAPE WEYMOUTH	IRON RANGE	490003	242
_Unnamed	CAPE WEYMOUTH	IRON RANGE	490967	243
_Unnamed	CAPE WEYMOUTH	IRON RANGE	491853	244
_Unnamed	CAPE WEYMOUTH	IRON RANGE	492975	245
_Unnamed (Lammond Hill/Iron Clad)	CAPE WEYMOUTH	IRON RANGE	494924	246
_Unnamed	CAPE WEYMOUTH	IRON RANGE	497916	247
_Unnamed	CAPE WEYMOUTH	IRON RANGE	497963	248
_Unnamed	CAPE WEYMOUTH	IRON RANGE	498947	249
_Unnamed	CAPE WEYMOUTH	IRON RANGE	498961	250
_Unnamed (Golden Gate?)	CAPE WEYMOUTH	IRON RANGE	499903	251
_Unnamed	CAPE WEYMOUTH	IRON RANGE	499906	252
_Unnamed	CAPE WEYMOUTH	IRON RANGE	499955	253

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NAME	1:100 000 SHEET	LOCALITY	REF.NO.	PAGE
_Unnamed	CAPE WEYMOUTH	IRON RANGE	507900	254
_Unnamed	CAPE WEYMOUTH	IRON RANGE	507925	255
_Unnamed	CAPE WEYMOUTH	IRON RANGE	507988	256
_Unnamed (Passed Over 1)	CAPE WEYMOUTH	IRON RANGE	508915	257
_Unnamed	CAPE WEYMOUTH	IRON RANGE	509901	258
_Unnamed	CAPE WEYMOUTH	IRON RANGE	510867	259
_Unnamed	CAPE WEYMOUTH	IRON RANGE	510949	260
_Unnamed	CAPE WEYMOUTH	IRON RANGE	515939	261
_Unnamed	CAPE WEYMOUTH	IRON RANGE	522855	262
_Unnamed	CAPE YORK	N end Cape York	667169	263
_Unnamed	CAPE YORK	CAPE YORK/ N of Turtle Island	880850	264
_Unnamed	COEN	N BLUE MOUNTAINS	358040	265
_Unnamed	DIXIE	S GREAT DIVIDING RANGE	669853	266
_Unnamed	KENDALL RIVER	N Upper Kendall River	438504	267
_Unnamed	LOCKHART RIVER	N GEIKIE RIVER	192208A	268
_Unnamed	LOCKHART RIVER	S Wenlock Creek	195463	270
_Unnamed	LOCKHART RIVER	MACROSSAN RANGE	645175	271
_Unnamed	LOCKHART RIVER	S HOWARD RANGE	662141	272
_Unnamed	MOA ISLAND	MOA ISLAND	355710	273
_Unnamed	PRINC.CHARL.BAY	Princess Charlotte Bay	945175	274
_Unnamed	SHELBURNE BAY	SHELBURNE BAY	015947	275
_Unnamed	SHELBURNE BAY	SHELBURNE BAY	016181	276
_Unnamed	SHELBURNE BAY	SHELBURNE BAY	016904A	277
_Unnamed	SHELBURNE BAY	SHELBURNE BAY	018153	279
_Unnamed	SHELBURNE BAY	SHELBURNE BAY	022997	280
_Unnamed	SKARDON RIVER	NE of Port Musgrave	270870	281
_Unnamed	STRATHLEVEN	N of "The Desert"	597825	282
_Unnamed	STRATHLEVEN	N of "The Desert"	628827	283
_Unnamed	THURSDAY ISLAND	NE Tip of GOODE ISLAND	267319	284
_Unnamed	THURSDAY ISLAND	NE Tip of GOODE ISLAND	280327	285
_Unnamed	THURSDAY ISLAND	HAMMOND ISLAND	327342	286
_Unnamed	THURSDAY ISLAND	NW Possesion Island.	520146	287
_Unnamed	THURSDAY ISLAND	NW Possesion Island.	520147	288
_Unnamed	THURSDAY ISLAND	NW POSSESION ISLAND	521148	289
_Unnamed	THURSDAY ISLAND	NW POSSESION ISLAND	521149	290
_Unnamed	THURSDAY ISLAND	NW POSSESION ISLAND	522149	291
_Unnamed	THURSDAY ISLAND	NW POSSESION ISLAND	524148	292
_Unnamed	THURSDAY ISLAND	NW POSSESION ISLAND	526151	293
_Unnamed (1,2 + 3 Mile Flats)	THURSDAY ISLAND	3.5km SSW PEAK HILL	565115A	294
_Unnamed	THURSDAY ISLAND	2.0km SE PEAK HILL	585134A	296
_Unnamed	THURSDAY ISLAND	3.2km SE PEAK HILL	592124A	298
_Unnamed	VRILYA POINT	Westcoast, Gulf of Carpentaria	330480	300
_Unnamed	VRILYA POINT	Westcoast, Gulf of Carpentaria	363643	301
_Unnamed	VRILYA POINT	Westcoast Cape York	445367	302
_Unnamed	VRILYA POINT	Westcoast Cape York	450535	303
_Unnamed	VRILYA POINT	Westcoast Cape York	585899	304
_Unnamed	WENLOCK	N GEIKIE RIVER	135235A	305
_Unnamed	WENLOCK	S WENLOCK CREEK	139465A	307
_Unnamed	WENLOCK	S WENLOCK CREEK	141423A	309

TABLE 3

MINERAL OCCURRENCES LISTED BY COMMODITY

COMMODITY/MINERAL OCCURRENCE LISTING
CAPE YORK PENINSULA

COMMODITIES	REF.NO.	NAME	LOCALITY	PAGE
ALUMINIUM	319365	Area 1(Area A)	N of Upper Wenlock River	18
ALUMINIUM	375170	Area 2(Area B)	S of Upper Wenlock River	19
ALUMINIUM	290730	Block 4-5	S ARCHER RIVER	27
ALUMINIUM	510650	Block 52-72	S ARCHER RIVER	28
ALUMINIUM	440610	Block 70-90	S ARCHER RIVER	29
ALUMINIUM	490610	Block 91	S ARCHER RIVER	30
ALUMINIUM	950795	COM - Area	South of Weipa	40
ALUMINIUM	920690	CT - Area	South of Weipa	41
ALUMINIUM	043320	Camp Egmont	Westcoast/S of Wenlock River	44
ALUMINIUM	830610	Coconut Pod	AURUKUN	47
ALUMINIUM	140820	ER - Area	South of Weipa	71
ALUMINIUM	006280	Ely East	Westcoast/S of Wenlock River	78
ALUMINIUM	978330	Ely North	Westcoast/S of Wenlock River	79
ALUMINIUM	965224	Ely South	Westcoast/S of Wenlock River	80
ALUMINIUM	112228	FD - Area	South of Watson River	83
ALUMINIUM	060830	HR - Area	South of Weipa	125
ALUMINIUM	880480	Possum Pod	AURUKUN	182
ALUMINIUM	980240	Southern(Kokialah Area)	AURUKUN	199
ALUMINIUM	044290	Stormont	Westcoast/S of Wenlock River	202
ALUMINIUM	970630	TIP- Area	South of Weipa	203
ALUMINIUM	860540	Tappelbang Pod	AURUKUN	204
ALUMINIUM	270570	Vrilya Point	Westcoast, Gulf of Carpentaria	211
ALUMINIUM	120590	_Unnamed	E of Port Musgrave	227
ALUMINIUM	270870	_Unnamed	NE of Port Musgrave	281
ALUMINIUM	330480	_Unnamed	Westcoast, Gulf of Carpentaria	300
ALUMINIUM	363643	_Unnamed	Westcoast, Gulf of Carpentaria	301
ALUMINIUM	370520	_Unnamed		228
ALUMINIUM	445367	_Unnamed	Westcoast Cape York	302
ALUMINIUM	450535	_Unnamed	Westcoast Cape York	303
ALUMINIUM	585899	_Unnamed	Westcoast Cape York	304
ALUMINIUM	880400	_Unnamed	AURUKUN	229
ALUMINIUM	880850	_Unnamed	CAPE YORK/ N of Turtle Island	264
ALUMINIUM KAOLIN	903136A	Andoom	WEIPA/ NW of Mission River inlet	16
ALUMINIUM KAOLIN	980000A	Weipa	WEIPA	213
ANTIMONY	700966	A 1	S Great Dividing Range	1
ANTIMONY	704819	A 2	S Great Div.Range/N "The Desert"	2
ANTIMONY	706811	A 3	S Great Div.Range/N "The Desert"	3
ANTIMONY	694831	A 4	S Great Div.Range/N "The Desert"	4
ANTIMONY	665835	A 5	S GREAT DIV.RANGE/N "The Desert"	5
ANTIMONY	670896	A 6	S Great Div.Range/N "The Desert"	6
ANTIMONY	670894	A 7	S Great Div.Range/N "The Desert"	7
ANTIMONY	681893	A 9	S Great Div.Range/N "The Desert"	8
ANTIMONY	686892	A10	S Great Dividing Range	9
ANTIMONY	687887	A11	S Great Dividing Range	10
ANTIMONY	671877	A12	S Great Dividing Range	11
ANTIMONY	651850	A13	S Great Div.Range/N "The Desert"	12
ANTIMONY	690877	Dickies No. 2	S GREAT DIVIDING RANGE	66
ANTIMONY	702858	Dickies No. 3/4(Airstrip lodes)	S GREAT DIVIDING RANGE	67
ANTIMONY	708042	No.4		164
ANTIMONY	717016	No.6		166
ANTIMONY	688865	Packsaddle No.2	S GREAT DIVIDING RANGE	175
ANTIMONY	684844	Packsaddle No.3	S Great Dividing Range	176

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CAPE YORK PENINSULA

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ANTIMONY	628827	_Unnamed	N of "The Desert"	283
ANTIMONY GOLD	456903	Dickies	S COLEMAN RIVER	64
ANTIMONY GOLD	457908	Peninsula King	S COLEMAN RIVER	180
ANTIMONY GOLD SILVER	673881	Dickies No. 1	S GREAT DIVIDING RANGE	65
ANTIMONY GOLD SILVER	672883	Packsaddle No.1	S GREAT DIVIDING RANGE	174
ANTIMONY SILVER	DD	No.1		161
ANTIMONY SILVER	719004	No.2		162
ANTIMONY SILVER	720015	No.3		163
ANTIMONY SILVER	717012	No.5		165
ANTIMONY SILVER	721019	No.7		167
ASBESTOS COPPER NICKEL	742863	MA 1	"The Desert"	148
COPPER	456901	Cook's Prospect	IRON RANGE	52
COPPER	521148	_Unnamed	NW POSSESION ISLAND	289
COPPER	521149	_Unnamed	NW POSSESION ISLAND	290
COPPER	669853	_Unnamed	S GREAT DIVIDING RANGE	266
COPPER?	663848	Copper Prospect	S GREAT DIV.RANGE/ N "The Desert"	54
FLUORITE	520146	_Unnamed	NW Possesion Island.	287
FLUORITE	520147	_Unnamed	NW Possesion Island.	288
GOLD	439173A	All Nations (Hit or Miss Line)	Great Dividing Range	14
GOLD	152418A	Bairdville	S WENLOCK CREEK	22
GOLD	535032A	Beetle No.1	IRON RANGE/Scrubby Creek Mining A	24
GOLD	536030	Beetle No.2	IRON RANGE/Scrubby Creek Mining A	26
GOLD	501899	Boyd	IRON RANGE	35
GOLD	667229	Buthen Buthen Group-Battery Hill Buthen	SW HOWARD RANGE	36
GOLD	667228	Buthen Buthen Group-Buthen Buthen Mine(Leo Prospect,Theodore Buthen)	Howard Range	37
GOLD	642219	Buthen Buthen Group-Hidden Treasure	SW Howard Range	38
GOLD	657219	Buthen Buthen Group-Woolan Munga Mine	SW Howard Range	39
GOLD	438177A	Caledonia	Great Dividing Range	42
GOLD	123576	Choc-A-Block Creek	NE WENLOCK RIVER	46
GOLD	671214	Companimano Creek	S Howard Range, Hayes Creek.	48
GOLD	122527A	Downs Gully	NE WENLOCK RIVER	68
GOLD	448173A	Eastern Line Group-Hidden Treasure	Great Dividing Range	74
GOLD	452155A	Eastern Line Group-Queenslander	Great Dividing Range	76
GOLD	454911	Eureka	S GREAT DIVIDING RANGE	82
GOLD	124525A	Gleeson's Gully	NE WENLOCK RIVER	114
GOLD	495064	Gold Mount	Great Dividing R./N Lukin River	117
GOLD	470014A	Golden King North	Great Dividing Range	118
GOLD	468008A	Golden King South 1&2	Great Dividing Range	120
GOLD	BB	Haikai Mine	Great Dividing Range/ Lukin River	126
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GOLD	451156	Hit or Miss	Great Dividing Range	129
GOLD	446164A	Hit or Miss Line Group-May Queen	Great Dividing Range	130
GOLD	498925	Iron Clad	IRON RANGE	135
GOLD	497924	Iron Hope	IRON RANGE	136
GOLD	498934	Johnsons Lode(Johnstons Lode)	IRON RANGE	137
GOLD	508876	Lapunya Mount	Great Dividing Range	140
GOLD	572793	Leo Creek Mine	NE-McIlwraith Range	144
GOLD	108523A	Lower Camp-Wenlock	N-WENLOCK RIVER	145
GOLD	493041	Lukin King(Lukin Star)	Great Dividing Range	147
GOLD	507917	North Phillip	IRON RANGE	168

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GOLD	589025	Packers	CAPE WEYMOUTH	173
GOLD	508913	Passed Over 2	IRON RANGE	179
GOLD	501943	Penninsula Hope	IRON RANGE	181
GOLD	698730	Rocky River	E McIlwraith Range-Coast	187
GOLD	472008A	Savannah	Great Dividing Range	191
GOLD	539020	Scrubby Creek	CAPE WEYMOUTH	193
GOLD	507909	South Phillip	IRON RANGE	197
GOLD	509904	South Quartzite	IRON RANGE	198
GOLD	482945A	Spion Kop	Great Dividing Range	200
GOLD	121499A	Top Camp-Wenlock(Plutoville)	N-WENLOCK RIVER	205
GOLD	119526A	Tunnel Gully	NE WENLOCK RIVER/ 3.4 km NNW old	207
GOLD	478100	Violet Area(Golden King,Savannah)	Great Dividing Range	210
GOLD	CC	Ward Gully	NE WENLOCK RIVER/	212
GOLD	113510A	Weisses Gully	NE WENLOCK RIVER	215
GOLD	500928	Wool Mill	IRON RANGE	222
GOLD	139465A	_Unnamed	S WENLOCK CREEK	307
GOLD	141423A	_Unnamed	S WENLOCK CREEK	309
GOLD	195463	_Unnamed	S Wenlock Creek	270
GOLD	327342	_Unnamed	HAMMOND ISLAND	286
GOLD	358040	_Unnamed	N BLUE MOUNTAINS	265
GOLD	492975	_Unnamed	IRON RANGE	245
GOLD	497916	_Unnamed	IRON RANGE	247
GOLD	497963	_Unnamed	IRON RANGE	248
GOLD	499906	_Unnamed	IRON RANGE	252
GOLD	499955	_Unnamed	IRON RANGE	253
GOLD	507900	_Unnamed	IRON RANGE	254
GOLD	507925	_Unnamed	IRON RANGE	255
GOLD	507988	_Unnamed	IRON RANGE	256
GOLD	509901	_Unnamed	IRON RANGE	258
GOLD	522149	_Unnamed	NW POSSESION ISLAND	291
GOLD	524148	_Unnamed	NW POSSESION ISLAND	292
GOLD	526151	_Unnamed	NW POSSESION ISLAND	293
GOLD	662141	_Unnamed	S HOWARD RANGE	272
GOLD	499903	_Unnamed (Golden Gate?)	IRON RANGE	251
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GOLD?	280327	_Unnamed	NE Tip of GOODE ISLAND	285
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IRON	465036	_Unnamed	IRON RANGE	231
IRON	470083	_Unnamed	IRON RANGE	233
IRON	476064	_Unnamed	IRON RANGE	237
IRON	486045	_Unnamed	IRON RANGE	241

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IRON	498961	_Unnamed	IRON RANGE	250
IRON	510867	_Unnamed	IRON RANGE	259
IRON	515939	_Unnamed	IRON RANGE	261
IRON	522855	_Unnamed	IRON RANGE	262
IRON	494924	_Unnamed (Lammond Hill/Iron Clad)	IRON RANGE	246
KAOLIN	438504	_Unnamed	N Upper Kendall River	267
LEAD COPPER	466910	Cook's Prospect	IRON RANGE	53
LEAD SILVER GOLD?	143140	GHR 2	N GEIKIE RANGE	87
LEAD SILVER GOLD?	151143	GHR 3	N GEIKIE RANGE	88
LEAD SILVER GOLD?	155137	GHR 4	N GEIKIE RANGE	89
LEAD SILVER GOLD?	218275	GHR 5 {Northern outcrop}	E GEIKIE RANGE	90
LEAD SILVER GOLD?	218261	GHR 5 {Southern outcrop}	E GEIKIE RANGE	91
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LEAD SILVER GOLD?	032351	GHR11	N GEIKIE RANGE	97
LEAD SILVER GOLD?	985295	GHR12	W GEIKIE RANGE	98
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LEAD SILVER GOLD?	153117	GHR16	N GEIKIE RANGE	102
LEAD SILVER GOLD?	138099	GHR17	N GEIKIE RANGE	103
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LEAD SILVER GOLD?	048038	GHR25	N GEIKIE RANGE	111
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MANGANESE IRON	466089	_Unnamed	IRON RANGE	232
MANGANESE IRON	471078	_Unnamed	IRON RANGE	234
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MANGANESE IRON	481045	_Unnamed	IRON RANGE	238
MANGANESE IRON	481052	_Unnamed	IRON RANGE	239
MANGANESE IRON	482972	_Unnamed	IRON RANGE	240
MANGANESE IRON	510949	_Unnamed	IRON RANGE	260
RUTILE ZIRCON	725061	Chandogga Point Area	Eastcoast Newcastle Bay	45
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SILICA SAND	315770	Saddle Hill	SHELBURNE BAY	190
SILICA SAND	163794	White Point	SHELBURNE BAY	219
SILICA SAND	945175	_Unnamed	Princess Charlotte Bay	274
TIN	592144A	At Mullhollands House(Gibson's Prospect)	E Peak Hill, Punsand Bay.	20
TIN	592133A	Bluff Quarry	2.5km SE PEAK HILL	31
TIN	587104A	Booty Hill Pits	SSE PEAK HILL	33
TIN	598125A	Ginger Dick	3.5km SE PEAK HILL	112
TIN	100238	Goanna Creek	N Holroyd River	116
TIN	543083A	Laradeenya Creek	SSE PEAK HILL	141
TIN	570102A	Maula Lode	4.8km S PEAK HILL	150
TIN	570096A	Moody Flat	S PEAK HILL	153
TIN	591094A	Mt. Isa	SSE PEAK HILL	155
TIN	583109A	Mullhollands Lode	4.1km SSE PEAK HILL	157
TIN	208188A	Pratt Tin Mine	N GEIKIE RIVER	185
TIN	168272A	Wolverton Bluffs(Upper Granite Creek)	N GEIKIE RIVER	220
TIN	252184A	Wrights Creek(Ringtail Creek)	N GEIKIE RIVER	223
TIN	135235A	_Unnamed	N GEIKIE RIVER	305
TIN	192208A	_Unnamed	N GEIKIE RIVER	268
TIN	585134A	_Unnamed	2.0km SE PEAK HILL	296
TIN	592124A	_Unnamed	3.2km SE PEAK HILL	298
TIN	565115A	_Unnamed (1,2 + 3 Mile Flats)	3.5km SSW PEAK HILL	294
TIN GOLD?	154200A	Cook Tin Mine(Tin Gully)	E Granite (Tin) Creek	50
TIN TIN	185166A	Wet Creek	N GEIKIE RIVER	217
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		Sunset		
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TUNGSTEN ARSENIC BISMUTH?	185817A	Imperial Group	W GREAT DIVIDING RANGE	133
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TUNGSTEN TIN	253254A	Creek 766 Skarn	N GEIKIE RIVER	55
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TUNGSTEN TIN	257240A	Creek 896 Skarn	N GEIKIE RIVER	59
TUNGSTEN TIN	260232	Creek 901 Skarn	N GEIKIE RIVER	61
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AURUKUN	880480	Possum Pod	182
AURUKUN	980240	Southern(Kokialah Area)	199
AURUKUN	860540	Tappelbang Pod	204
AURUKUN	880400	_Unnamed	229
CAPE GRENVILLE	290790	Conical Hill	49
CAPE GRENVILLE	260775	Round Point	188
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CAPE WEYMOUTH	536030	Beetle No.2	26
CAPE WEYMOUTH	501899	Boyd	35
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CAPE WEYMOUTH	510867	_Unnamed	259
CAPE WEYMOUTH	510949	_Unnamed	260
CAPE WEYMOUTH	515939	_Unnamed	261
CAPE WEYMOUTH	522855	_Unnamed	262
CAPE WEYMOUTH	499903	_Unnamed (Golden Gate?)	251
CAPE WEYMOUTH	494924	_Unnamed (Lammond Hill/Iron Clad)	246
CAPE WEYMOUTH	508915	_Unnamed (Passed Over 1)	257
CAPE YORK	725061	Chandogga Point Area	45
CAPE YORK	849899	Turtle Head Island	209
CAPE YORK	667169	_Unnamed	263
CAPE YORK	880850	_Unnamed	264
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COEN	698730	Rocky River	187
COEN	358040	_Unnamed	265
DIXIE	670896	A 6	6
DIXIE	670894	A 7	7
DIXIE	681893	A 9	8
DIXIE	671877	A12	11
DIXIE	651850	A13	12
DIXIE	450924	Alice Queen	13
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DIXIE	457908	Peninsula King	180
DIXIE	200250A	Pottalah Creek(Perserverance Mines,70 Mile)	183
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EBAGOOLA	438177A	Caledonia	42
EBAGOOLA	448173A	Eastern Line Group-Hidden Treasure	74
EBAGOOLA	452155A	Eastern Line Group-Queenslander	76
EBAGOOLA	495064	Gold Mount	117
EBAGOOLA	470014A	Golden King North	118
EBAGOOLA	468008A	Golden King South 1&2	120
EBAGOOLA	BB	Haikai Mine	126
EBAGOOLA	451156	Hit or Miss	129
EBAGOOLA	446164A	Hit or Miss Line Group-May Queen	130
EBAGOOLA	493041	Lukin King(Lukin Star)	147
EBAGOOLA	244466A	Northern Anomaly-Tadpole Grid	170
EBAGOOLA	472008A	Savannah	191
EBAGOOLA	478100	Violet Area(Golden King,Savannah)	210

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JEDDA CREEK	706811	A 3	3
JEDDA CREEK	694831	A 4	4
JEDDA CREEK	684844	Packsaddle No.3	176
KALINGA	700966	A 1	1
KALINGA	686892	A10	9
KALINGA	687887	A11	10
KALINGA	690877	Dickies No. 2	66
KALINGA	702858	Dickies No. 3/4(Airstrip lodes)	67
KALINGA	742863	MA 1	148
KALINGA	DD	No.1	161
KALINGA	719004	No.2	162
KALINGA	720015	No.3	163
KALINGA	708042	No.4	164
KALINGA	717012	No.5	165
KALINGA	717016	No.6	166
KALINGA	721019	No.7	167
KALINGA	688865	Packsaddle No.2	175
KALKAH	508876	Lapunya Mount	140
KALKAH	482945A	Spion Kop	200
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LOCKHART RIVER	667228	Buthen Buthen Group-Buthen Buthen Mine(Leo Prospect,Theodore Buthen)	37
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LOCKHART RIVER	253254A	Creek 766 Skarn	55
LOCKHART RIVER	253247	Creek 783 Skarn	57
LOCKHART RIVER	254242	Creek 895 Skarn	58
LOCKHART RIVER	257240A	Creek 896 Skarn	59
LOCKHART RIVER	260232	Creek 901 Skarn	61
LOCKHART RIVER	265242A	Eastern Granite Skarn	72
LOCKHART RIVER	218275	GHR 5 {Northern outcrop}	90
LOCKHART RIVER	218261	GHR 5 {Southern outcrop}	91
LOCKHART RIVER	255245	Hill Area Skarn	127
LOCKHART RIVER	306178	Leek Creek(Sandy Creek)	143
LOCKHART RIVER	208188A	Pratt Tin Mine	185
LOCKHART RIVER	185166A	Wet Creek	217
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LOCKHART RIVER	645175	_Unnamed	271
LOCKHART RIVER	662141	_Unnamed	272
MERAPAH	290730	Block 4-5	27
MERAPAH	510650	Block 52-72	28
MERAPAH	440610	Block 70-90	29
MERAPAH	490610	Block 91	30
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PRINC.CHARL.BAY	945175	_Unnamed	274
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ROKEBY	087992	GHR18	104
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ROKEBY	006967	GHR21	107
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SHELBURNE BAY	163794	White Point	219
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SHELBURNE BAY	016181	_Unnamed	276
SHELBURNE BAY	016904A	_Unnamed	277
SHELBURNE BAY	018153	_Unnamed	279
SHELBURNE BAY	022997	_Unnamed	280
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STRATHBURN	100238	Goanna Creek	116
STRATHLEVEN	665835	A 5	5
STRATHLEVEN	663848	Copper Prospect	54
STRATHLEVEN	608790	MA 2	149
STRATHLEVEN	597825	_Unnamed	282
STRATHLEVEN	628827	_Unnamed	283
THURSDAY ISLAND	592144A	At Mullhollands House(Gibson's Prospect)	20
THURSDAY ISLAND	592133A	Bluff Quarry	31
THURSDAY ISLAND	587104A	Booty Hill Pits	33
THURSDAY ISLAND	598125A	Ginger Dick	112
THURSDAY ISLAND	439269	Horn Island	132
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THURSDAY ISLAND	570102A	Maula Lode	150
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THURSDAY ISLAND	583109A	Mullhollands Lode	157
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THURSDAY ISLAND	280327	_Unnamed	285
THURSDAY ISLAND	327342	_Unnamed	286
THURSDAY ISLAND	520146	_Unnamed	287
THURSDAY ISLAND	520147	_Unnamed	288
THURSDAY ISLAND	521148	_Unnamed	289
THURSDAY ISLAND	521149	_Unnamed	290
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THURSDAY ISLAND	524148	_Unnamed	292
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VRILYA POINT	363643	_Unnamed	301
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WEIPA	920690	CT - Area	41
WEIPA	060830	HR - Area	125
WEIPA	970630	TIP- Area	203
WEIPA	980000A	Weipa	213
WENLOCK	152418A	Bairdville	22
WENLOCK	123576	Choc-A-Block Creek	46
WENLOCK	154200A	Cook Tin Mine(Tin Gully)	50
WENLOCK	122527A	Downs Gully	68
WENLOCK	136133	GHR 1	86
WENLOCK	143140	GHR 2	87
WENLOCK	151143	GHR 3	88
WENLOCK	155137	GHR 4	89
WENLOCK	125128	GHR 6	92
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WENLOCK	153117	GHR16	102
WENLOCK	138099	GHR17	103
WENLOCK	124525A	Gleeson's Gully	114
WENLOCK	108523A	Lower Camp-Wenlock	145
WENLOCK	121499A	Top Camp-Wenlock(Plutoville)	205
WENLOCK	119526A	Tunnel Gully	207
WENLOCK	CC	Ward Gully	212
WENLOCK	113510A	Weisses Gully	215
WENLOCK	135235A	_Unnamed	305
WENLOCK	139465A	_Unnamed	307
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TABLE 5

SELECTED MINERAL OCCURRENCE ATTRIBUTES LISTED BY GEOLOGICAL FORMATION AND COMMODITY

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COMMODITIES	NAME	REF.No.	HOST ROCK TYPE	ORE MINERALS	GANGUE MINERALS	DEPOSIT FORM	STRUCTURE	WALL ROCK ALTERATION	PAGE
** FORMATION BADU GRANITE									
TUNGSTEN	EET Hill	AA	Granite	W, PY,ASPY,CPY.LIM,GOET.	Q (SILICA),CHL.	Veins	Fracture	Sericitic, Unknown	70
GOLD COPPER LEAD TUNGSTEN?	Horn Island	439269	Porphyritic microgranite.	PY,AU,GAL,SPL,CPY.MAL.	Q,(FL),(TC).	Veins, Stockwork, Disseminated	Fracture	Sericitic, Unknown	132
** FORMATION COEN METAMORPHICS									
ANTIMONY	Dickies No. 2	690877	Metagranite, gneiss	STIB,PYSTBC	Q.	Veins	Fault/shear zone		66
ANTIMONY	Dickies No. 3/4	702858	Metagranite, gneiss, schist	STIB,PYSTBC	Q.	Veins	Fault/shear zone		67
ANTIMONY	No.4	708042	Metagranite, gneiss, schist	STIBSTBC	Q.	Veins	Fault/shear zone		164
ANTIMONY	No.6	717016	Metagranite, gneiss, schist	STIB	Q.	Veins, Disseminated			166
ANTIMONY	Packsaddle No.2	688865	Granite, gneiss, schist.	STIB	Q	Veins, Stockwork, Irregular	Fault/shear zone, Joint(s)	Silicification, Unknown	175
ANTIMONY	Packsaddle No.3	684844	Metagranite, gneiss	STIB	Q.	Veins			176
ANTIMONY GOLD SILVER	Dickies No. 1	673881	Granite, gneiss, schist.	STIB,PY,CPY,AUSTBC,VAL,MAL	Q,FL	Veins, Breccia-fill	Fault/shear zone, Joint(s)	Silicification, Unknown	65
ANTIMONY GOLD SILVER	Packsaddle No.1	672883	Granite, gneiss, schist.	STIB,PY,CPY,AUSTBC,VAL,MAL	Q,FL	Veins, Breccia-fill	Fault/shear zone, Joint(s)	Silicification, Unknown	174
ANTIMONY SILVER	No.1	DD	Metagranite, gneiss, schist	STIB	Q.	Veins	Fault/shear zone		161
ANTIMONY SILVER	No.2	719004	Metagranite, gneiss, schist	STIB	Q.	Veins, Breccia-fill	Fault/shear zone		162
ANTIMONY SILVER	No.3	720015	Metagranite, gneiss, schist	STIBSTBC, VAL	Q.	Veins	Fault/shear zone		163
ANTIMONY SILVER	No.5	717012	Metagranite, gneiss, schist	STIB, PYHEM, LIM	Q.	Veins, Disseminated			165
ANTIMONY SILVER	No.7	721019	Metagranite, gneiss, schist	STIB	Q.	Veins, Disseminated			167
GOLD	All Nations	439173	Granite.	AU,AG.	Q.	Veins	Fracture	Sericitic	14
GOLD	Caledonia	438177	Granite.	AU,AG.	Q.	Veins	Fracture	Sericitic	42
GOLD	Hidden Treasure	448173	Granite.	AU,AG.	Q.	Veins	Fracture	Sericitic	74
GOLD	Hit or Miss	451156	Granite.	AU,AG.	Q.	Veins	Fracture	Sericitic	129
GOLD	May Queen	446164	Granite.	AU,AG.	Q.	Veins	Fracture	Sericitic	130
GOLD	Queenslander	452155	Granite.	AU,AG,PY,ASPY.	Q.	Veins	Fracture	Sericitic	76
** FORMATION DARGALONG METAMORPHICS									
ANTIMONY	A 1	700966	Metagranite, gneiss	STIB, PY	Q.				1
ANTIMONY	A 2	704819	Metagranite, gneiss	STIB, PY	Q.				2
ANTIMONY	A 3	706811	Metagranite, gneiss	STIB, PY	Q.				3
ANTIMONY	A 4	694831	Metagranite, gneiss	STIB, PY	Q.				4
ANTIMONY	A 5	665835	Metagranite, gneiss.		Q.				5

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ANTIMONY	A 6	670896	Metagranite, gneiss	STIB, PY	Q.				6
ANTIMONY	A 7	670894	Metagranite, gneiss	STIB, PY	Q.				7
ANTIMONY	A 9	681893	Metagranite, gneiss	STIB, PY	Q.				8
ANTIMONY	A10	686892	Metagranite, gneiss	STIB, PY	Q.				9
ANTIMONY	A11	687887	Metagranite, gneiss	STIB, PY	Q.				10
ANTIMONY	A12	671877	Metagranite, gneiss	STIB, PY	Q.				11
ANTIMONY	A13	651850	Metagranite, gneiss	STIB, PY	Q.				12
ANTIMONY	_Unnamed	597825	Metagranite, gneiss.		Q.				282
ANTIMONY	_Unnamed	628827	Metagranite, gneiss		Q.				283
ASBESTOS COPPER NICKEL	MA 1	742863	Altered ultrabasics/ gneiss intruded by quartzite.		Q.				148
COPPER?	Copper Prospect	663848	Metagranite, gneiss		Q.				54
GRAPHITE	MA 2	608790	micaceous, graphite hematite schists/ gneisses/ quarzites	GR,MUS,HEM					149
** FORMATION ENDEAVOUR STRAIT IGNIMBRITE									
COPPER	_Unnamed	521148	Ignimbrite (dacite, rhyodacite and dellenite welded tuff)	CPY, PY, GAL, SPL.	Q (SILICEOUS)	Veins	Fracture	Silicification	289
COPPER	_Unnamed	521149	Ignimbrite (dacite, rhyodacite and dellenite welded tuff)	MAL, AZ.	Q (SILICEOUS)	Veins	Fracture	Silicification	290
FLUORITE	_Unnamed	520146	Ignimbrite.	FL.		Veins	Fracture		287
FLUORITE	_Unnamed	520147	Ignimbrite.	FL.		Veins	Fracture		288
GOLD	_Unnamed	522149	Ignimbrite.	PY, (AU).	Q (SILICEOUS)	Veins, Stockwork, Disseminated	Fracture	Sericitic, Silicification	291
GOLD	_Unnamed	524148	Ignimbrite.	PY, (AU).	Q (SILICEOUS)	Veins, Stockwork, Disseminated	Fracture	Sericitic, Silicification	292
GOLD	_Unnamed	526151	Ignimbrite.	PY, (AU).	Q (SILICEOUS)	Veins, Stockwork, Disseminated	Fracture	Sericitic, Silicification	293
TIN	Bluff Quarry	592133	Ignimbrites (partly altered) welded tuffs.	CST, (PY),(CPY),(ASPY).LIM, JAR.	Q,(TOU),(FL).	Veins	Fracture, Fault/shear zone	Argillic, Sericitic, Silicification, Unknown	31
TIN	Ginger Dick	598125	Ignimbrites (partly altered) welded tuffs.	CST, (PY),(CPY),(ASPY).LIM, JAR.	Q,(TOU),(FL).	Veins	Fracture, Fault/shear zone	Argillic, Sericitic, Silicification, Unknown	112
TIN	Maula Lode	570102	Ignimbrites (partly altered) welded tuffs.	CST, (PY),(CPY),(ASPY).LIM, JAR.	Q,(TOU),(FL).	Veins	Fracture, Fault/shear zone	Argillic, Sericitic, Silicification, Unknown	150
TIN	Mullhollands Lode	583109	Ignimbrites (partly altered) welded tuffs.	CST, (PY),(CPY),(ASPY).LIM, JAR.	Q,(TOU),(FL).	Veins	Fracture, Fault/shear zone	Argillic, Sericitic, Silicification, Unknown	157
TIN	_Unnamed	565115	Ignimbrites (partly altered) welded tuffs.	CST, (PY),(CPY),(ASPY).LIM, JAR.	Q,(TOU),(FL).	Veins	Fracture, Fault/shear zone	Argillic, Sericitic, Silicification, Unknown	294
TIN	_Unnamed	585134	Ignimbrites (partly altered)	CST, (PY),(CPY),(ASPY).LIM,	Q,(TOU),(FL).	Veins	Fracture,	Argillic, Sericitic,	296

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			welded tuffs.	JAR.			Fault/shear zone	Silicification, Unknown	
** FORMATION FALLOCH BEDS									
HEAVY MINE TIN	Leek Creek	306178	conglomerates - gravel.	(CST),(MOLY),(W),(MT), (GA),(ZR),(MONAZITE).LIM, HEM, GOET.	Q.	Placer		Argillic	143
TIN	Wrights Creek	252184	conglomerates - gravel.	CST,(MOLY),(W),(MT),(GA),(ZR),(MONAZITE).LIM, HEM, GOET.	Q.	Placer		Argillic	223
TIN	_Unnamed	192208	conglomerates.	CST,(GA),(ZR),(MOLY),(W),(MO NAZITE),(MT).	Q, TOU.	Placer			268
TIN TIN	Wet Creek	185166	conglomerates - gravel.	CST,(MOLY),(W),(MT), (GA),(ZR),(MONAZITE).LIM, HEM, GOET.	Q.	Placer		Argillic	217
** FORMATION FLYSPECK GRANODIORITE									
GOLD	Gold Mount	495064	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		117
GOLD	Golden King North	470014	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		118
GOLD	Golden King South 1&2	468008	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		120
GOLD	Haikai Mine	BB	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		126
GOLD	Lapunya Mount	508876	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		140
GOLD	Lukin King	493041	Biotite granodiorite/ sheared: Q-FS-CHL schist. Q-MUS-schist	AU, PY, ASPY.	Q,FS,CHL,(GT).	Veins	Fracture		147
GOLD	Savannah	472008	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture	Sericitic	191
GOLD	Spion Kop	482945	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		200
GOLD	Violet Area	478100	Biotite granodiorite/ sheared	AU, PY, ASPY.	Q.	Veins	Fracture		210
URANIUM	Emu Creek	118858	Granodiorite.	U,(AU).		Stratabound			81
** FORMATION GILBERT RIVER FORMATION									
GOLD	Bairdville	152418	Sandstones/ conglomerates.	AU.		Veins, Placer			22
GOLD	Downs Gully	122527	Quartztose sandstone/ conglomerate	AU.	Q.	Placer, Residual			68
GOLD	Gleeson's Gully	124525	Quartztose sandstone/ conglomerate	AU.	Q.	Placer, Residual			114
GOLD	Lower Camp-Wenlock	108523	Slightly clayey quartztose sandstone.	AU,PY, (ASPY).	Q (SILICA), FL,GT.	Veins, Breccia-fill, Placer	Fracture, Fault/shear zone	Sericitic, Silicification, Unknown	145
GOLD	Top Camp-Wenlock	121499	Slightly clayey quartztose sandstone.	PY,GT,(ASPY).	FL,Q (SILICA), (SER).	Veins, Breccia-fill, Placer, Residual	Fracture, Fault/shear zone	Sericitic, Silicification, Unknown	205
GOLD	Tunnel Gully	119526	Quartztose sandstone/ conglomerate	AU.	Q.	Placer, Residual			207
GOLD	Ward Gully	CC	Quartztose sandstone/ conglomerate	AU.	Q.	Placer, Residual			212
GOLD	Weisses Gully	113510	Quartztose sandstone/ conglomerate	AU.	Q.	Placer, Residual			215
GOLD	_Unnamed	139465	Sandstones//conglomerates.	AU.		Placer			307
GOLD	_Unnamed	141423	Sandstones/ conglomerates.	AU.		Placer			309

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GOLD	_Unnamed	195463	Sandstones/ conglomerates.	AU.					270
LEAD SILVER GOLD?	GHR 8	074197	Slightly clayey quartztose sandstone.	AU.	Q.	Veins			94
LEAD SILVER GOLD?	GHR 9	048280	silty clayey sandstone.	AU.	Q.	Veins			95
LEAD SILVER GOLD?	GHR14	038193	Slightly clayey quartztose sandstone.	AU.	Q.	Veins			100
** FORMATION GOODES ISLAND IGNIMBRITE									
GOLD?	_Unnamed	267319	Ignimbrite (dacite, rhyodacite and dellenite welded tuff)	AU?					284
GOLD?	_Unnamed	280327	Ignimbrite (dacite, rhyodacite and dellenite welded tuff)	AU?					285
** FORMATION HOLROYD METAMORPHICS									
TIN	Goanna Creek	100238	Metasediments with pegmatites.	CST	Q	Veins, Placer, Residual	Contemporaneous		116
** FORMATION KINTORE ADAMELLITE									
GOLD	Battery Hill Buthen	667229	granite.	AU, PY.	Q.	Veins	Fault/shear zone		36
GOLD	Buthen Buthen Mine	667228	pegmatite intrusives along faults in granite.	AU, PY.	Q.	Veins	Fault/shear zone		37
GOLD	Choc-A-Block Creek	123576	Decomposed granitic material.	AU.		Residual			46
GOLD	Hidden Treasure	642219	Granite.	AU, PY.	Q.	Veins	Fault/shear zone		38
GOLD	Leo Creek Mine	572793	granite.			Veins	Fault/shear zone		144
GOLD	Woolan Munga Mine	657219	granite.	AU, PY.	Q.	Veins	Fault/shear zone		39
GOLD?	_Unnamed	645175	Biotite-Muskovite Adamellite??						271
TIN GOLD?	Cook Tin Mine	154200	Altered granite.	CST,MOLY,(W),(MT),(GA),(ZR), (MONAZITE),(AU)	Q.	Veins, Placer			50
TUNGSTEN TIN	Creek 766 Skarn	253254	Altered granite skarn.	SCHE,CST.	Q, (CARB).	Veins, Stockwork	Fracture, Fault/shear zone		55
TUNGSTEN TIN	Creek 783 Skarn	253247	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone		57
TUNGSTEN TIN	Creek 895 Skarn	254242	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone	Silicification	58
TUNGSTEN TIN	Creek 896 Skarn	257240	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone		59

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COMMODITIES	NAME	REF.No.	HOST ROCK TYPE	ORE MINERALS	GANGUE MINERALS	DEPOSIT FORM	STRUCTURE	WALL ROCK ALTERATION	PAGE
TUNGSTEN TIN	Creek 901 Skarn	260232	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone		61
TUNGSTEN TIN	Eastern Granite Skarn	265242	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone		72
TUNGSTEN TIN	Hill Area Skarn	255245	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone		127
TUNGSTEN TIN	Yoohoo Creek Skarn	254251	Altered granite skarn.	SCHE,CST.	Q.	Veins, Stockwork	Fracture, Fault/shear zone		225
URANIUM GOLD	Northern Anomaly-Tadpole Grid	244466	shear zone schists.	AU, (URANINITE?).METATORBERNITE, (AUTUNITE?), (CARNOTITE?).	Q.	Stratabound	Fracture		170
** FORMATION LILYDALE BEDS									
GOLD	Companimano Creek	671214	Clayey, quartztose sands, sandy clay	AU,PY,GAL,ASPY.	Q.	Placer, Residual			48
GOLD	_Unnamed	662141	Clayey, quartztose sands, sandy clay	AU.	Q.	Placer, Residual			272
** FORMATION MORRIS ADAMELLITE									
LEAD SILVER GOLD? ARSENIC?	GHR 1	136133	Porphyry biotite adamellite.	AU.	Q.	Veins			86
LEAD SILVER (GOLD)	GHR 2	143140	Porphyry biotite adamellite.	AU.	Q.	Veins			87
LEAD SILVER GOLD?	GHR 3	151143	Porphyry biotite adamellite.	AU.	Q.	Veins			88
LEAD SILVER GOLD?	GHR 4	155137	Porphyry biotite adamellite.	AU.	Q.	Veins			89
LEAD SILVER GOLD?	GHR 5 {Northern outcrop}	218275	Porphyry biotite adamellite.	AU.	Q.	Veins			90
LEAD SILVER GOLD?	GHR 5 {Southern outcrop}	218261	Porphyry biotite adamellite.	AU.	Q.	Veins			91
LEAD SILVER GOLD?	GHR 6	125128	Porphyry biotite adamellite.	AU.	Q.	Veins			92
LEAD SILVER GOLD?	GHR 7	147130	Porphyry biotite adamellite.	AU.	Q.	Veins			93
LEAD SILVER GOLD?	GHR15	115122	Porphyry biotite adamellite.	AU.	Q.	Veins			101
LEAD SILVER GOLD?	GHR16	153117	Porphyry biotite adamellite.	AU.	Q.	Veins			102
LEAD SILVER GOLD?	GHR17	138099	Porphyry biotite adamellite.	AU.	Q.	Veins			103
LEAD SILVER GOLD?	GHR19	146060	Porphyric biotite adamellite	AU.	Q.	Veins			105
LEAD SILVER GOLD?	GHR25	048038	Porphyry biotite adamellite.	AU.	Q.	Veins			111
TIN	Pratt Tin Mine	208188	Altered granite/ conglomerates.	CST,(GA),(ZR),(MOLY),(W),(MONAZITE),(MT).	Q, TOU.	Veins, Placer			185
TIN	Wolverton Bluffs	168272	Altered granite/ conglomerates.	CST,(MT),(GA),(ZR),(MOLY),(W),(MONAZITE).	Q, TOU.	Veins, Placer			220

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TIN	_Unnamed	135235	Altered granite/ conglomerates.	CST, (GA),(ZR),(MT),(MOLY),(W),(MONAZITE).	Q, TOU.	Veins, Placer			305
** FORMATION ROLLING DOWNS GROUP									
LEAD SILVER GOLD?	GHR10	994350	silty clayey quartztose sandstone.	AU.	Q.	Veins			96
LEAD SILVER GOLD?	GHR11	032351	Silty clayey quartztose sandstone.	AU.	Q.	Veins			97
LEAD SILVER GOLD?	GHR12	985295	Silty clayey quartztose sandstone.	AU.	Q.	Veins			98
LEAD SILVER GOLD?	GHR13	974298	Silty clayey quartztose sandstone.	AU.	Q.	Veins			99
** FORMATION SEFTON METAMORPHICS									
COPPER	Cook's Prospect	456901	Greenstone metamorphics.	(PY),(CPY).MAL,AZ.					52
GOLD	Boyd	501899	Carbonate muskovite schist.	HEM,MT,(AU).	Q, (CARB).	Stratabound	Fault/shear zone		35
GOLD	Hillview	497925	Carbonate muskovite schist.	HEM,MT,(AU).	Q (SILICEOUS), (CARB).	Stratabound			128
GOLD	Iron Clad	498925	Muskovite/ carbonate muskovite schist.	HEM,MT,(AU).	Q (SILICEOUS), (CARB).	Stratabound			135
GOLD	Iron Hope	497924	Muskovite carbonate schist.	HEM,MT,(AU).	Q (SILICEOUS), (CARB).	Stratabound			136
GOLD	Johnsons Lode	498934	Muskovite carbonate (HEM) schist.	HEM,MT,(AU),LIM.	Q (SILICEOUS), (CARB).	Stratabound, Veins	Fracture, Fold hinge, Fold limb	Silicification	137
GOLD	North Phillip	507917	Muskovite quartzite schist.	HEM,MT,(AU).	Q.	Stratabound			168
GOLD	North Queen	499949	Muskovite carbonate/ muskovite quartzite schist.	HEM,MT,(AU), MN,LIM.	Q (SILICEOUS), (CARB).	Stratabound, Veins	Fold hinge, Fold limb		169
GOLD	Passed Over 2	508913	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound			179
GOLD	Penninsula Hope	501943	Carbonate muskovite schists.	HEM,MT,(AU),PY,ASPY.	Q.	Stratabound, Veins	Fold hinge, Fold limb		181
GOLD	South Phillip	507909	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound, Veins	Fault/shear zone		197
GOLD	South Quartzite	509904	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound	Fault/shear zone		198
GOLD	Wool Mill	500928	Carbonate muskovite schist.	HEM,MT,(AU).	Q (SILICEOUS),(CARB).	Stratabound			222
GOLD	_Unnamed	492975	Muskovite schists.	HEM,MT,(AU).	Q.	Stratabound			245
GOLD	_Unnamed	497916	Carbonate muskovite schist.	HEM,MT,(AU).	Q (SILICEOUS), (CARB).	Stratabound			247
GOLD	_Unnamed	497963	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound			248
GOLD	_Unnamed	499903	Carbonate muskovite schist.	HEM,MT,(AU).	Q, (CARB).	Stratabound	Fault/shear zone		251
GOLD	_Unnamed	499906	Carbonate muskovite schist.	HEM,MT,(AU).	Q, (CARB).	Stratabound	Fault/shear zone		252

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GOLD	_Unnamed	499955	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound			253
GOLD	_Unnamed	507900	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound			254
GOLD	_Unnamed	507925	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound			255
GOLD	_Unnamed	507988	Hematite/magnetite quarzite and carbonate schists	HEM,MT,(AU).	Q.	Stratabound			256
GOLD	_Unnamed	508915	Muskovite quartzite schist.	HEM,MT,(AU).	Q.	Stratabound			257
GOLD	_Unnamed	509901	Muskovite schist.	HEM,MT,(AU).	Q.	Stratabound	Fault/shear zone		258
GOLD SILVER	Gordons	498931	Carbonate muskovite (chlorit) schist.	HEM,MT,(AU),LIM.	Q (SILICEOUS), (CARB).	Stratabound, Veins	Fault/shear zone, Fold hinge, Fold limb	Silicification	122
IRON	Mirian Hill	513952	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			152
IRON	South Philip	500897	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			196
IRON	_Unnamed	465036	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			231
IRON	_Unnamed	470083	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			233
IRON	_Unnamed	476064	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			237
IRON	_Unnamed	486045	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			241
IRON	_Unnamed	490003	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			242
IRON	_Unnamed	490967	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			243
IRON	_Unnamed	491853	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			244
IRON	_Unnamed	494924	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			246
IRON	_Unnamed	498947	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			249
IRON	_Unnamed	498961	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			250
IRON	_Unnamed	510867	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			259
IRON	_Unnamed	515939	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			261
IRON	_Unnamed	522855	Hematite quartz schists.	HEM, (MT).	CHDY.	Stratabound			262
LEAD COPPER	Cook's Prospect	466910	Muskovite quartz micaschists.	GAL.GOET,JAR,HEM.	Q.			Silicification	53
MANGANESE IRON	_Unnamed	459090	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			230
MANGANESE IRON	_Unnamed	466089	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			232
MANGANESE IRON	_Unnamed	471078	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			234
MANGANESE IRON	_Unnamed	475070	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			235
MANGANESE IRON	_Unnamed	476060	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			236
MANGANESE IRON	_Unnamed	481045	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			238
MANGANESE IRON	_Unnamed	481052	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			239
MANGANESE IRON	_Unnamed	482972	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			240
MANGANESE IRON	_Unnamed	510949	Quarz (hematite) schists.	MN-ORES, HEM.	Q.	Stratabound			260
TUNGSTEN ARSENIC BISMUTH?	Day to Day Workings	189812	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork, Residual	Fault/shear zone	Silicification, Unknown	62
TUNGSTEN ARSENIC BISMUTH?	Federal Fortunate Favour Sunset Bowden	191819	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork, Residual		Silicification, Unknown	84
TUNGSTEN ARSENIC	Imperial Group	185817	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork		Silicification,	133

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BISMUTH?								Unknown	
TUNGSTEN ARSENIC BISMUTH?	Jubilee	188810	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork		Silicification, Unknown	138
TUNGSTEN ARSENIC BISMUTH?	Nilburg Group	192821	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork		Silicification, Unknown	159
TUNGSTEN ARSENIC BISMUTH?	Pascoe Cremer	188816	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork		Silicification, Unknown	177
TUNGSTEN ARSENIC BISMUTH?	Socialist Hereford	191811	Quartz micaschists and quarzites.	WOLF,SCHE,ASPY,GAL,PY.	Q.	Veins, Stockwork	Fracture	Silicification, Unknown	194
** FORMATION TORRES STRAIT VOLCANICS									
GOLD	_Unnamed	327342	Ignimbrites.	ASPY,(AU).	Q.	Veins, Stockwork	Fracture	Argillic, Sericitic, Unknown	286
TUNGSTEN	_Unnamed	355710		W.		Veins			273
** FORMATION WEYMOUTH GRANITE									
GOLD	Beetle No.1	535032	Granite.	AU,(PY),(ASPY).LIM	Q	Irregular	Fracture, Fault/shear zone, Contemporaneous	Unknown	24
GOLD	Beetle No.2	536030	Granite.	AU,(PY),(ASPY).LIM	Q	Veins, Irregular	Fracture, Fault/shear zone, Contemporaneous	Unknown	26
GOLD	Packers	589025	Biotite granite.	GAL, AU	Q	Veins			173
GOLD	Scrubby Creek	539020	Biotite granite/ Diorite.			Veins			193
** FORMATION _Unnamed/unknown									
ALUMINIUM	Area 1	319365	pisolitic bauxite	BX,BHM		Stratabound, Residual			18
ALUMINIUM	Area 2	375170	pisolitic bauxite	BX,BHM		Stratabound, Residual			19
ALUMINIUM	Block 4-5	290730	piisolitic bauxite and laterite	BX,	Q,KAO,GBS,BHM,(FS)				27
ALUMINIUM	Block 52-72	510650	piisolitic bauxite and laterite	BX,	Q,KAO,GBS,BHM,(FS)				28
ALUMINIUM	Block 70-90	440610	piisolitic bauxite and laterite	BX,	Q,KAO,GBS,BHM,(FS)				29
ALUMINIUM	Block 91	490610	piisolitic bauxite and laterite	BX,	Q,KAO,GBS,BHM,(FS)				30
ALUMINIUM	COM - Area	950795	pisolitic bauxite and laterite.	BX					40
ALUMINIUM	CT - Area	920690	pisolitic bauxite and laterite.	BX					41
ALUMINIUM	Camp Egmont	043320	ferruginous laterite with pisolitic bauxite.	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			44

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ALUMINIUM	Coconut Pod	830610	pisolitic bauxite and laterite/ arkose sandstones.	BX, GBS	Q,KAO,	Stratabound, Residual			47
ALUMINIUM	ER - Area	140820	pisolitic bauxite and laterite.	BX					71
ALUMINIUM	Ely East	006280	ferruginous laterite with pisolitic bauxite.	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			78
ALUMINIUM	Ely North	978330	ferruginous laterite with pisolitic bauxite.	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			79
ALUMINIUM	Ely South	965224	ferruginous laterite with pisolitic bauxite.	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			80
ALUMINIUM	FD - Area	112228	pisolitic bauxite and laterite.	BX					83
ALUMINIUM	HR - Area	060830	pisolitic bauxite and laterite.	BX					125
ALUMINIUM	Possum Pod	880480	pisolitic bauxite and laterite/ arkose sandstones.	BX, GBS	Q,KAO,	Stratabound, Residual			182
ALUMINIUM	Southern	980240	pisolitic bauxite and laterite/ arkose sandstones.	BX, GBS	Q,KAO,	Stratabound, Residual			199
ALUMINIUM	Stormont	044290	ferruginous laterite with pisolitic bauxite.	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			202
ALUMINIUM	TIP- Area	970630	pisolitic bauxite and laterite.	BX					203
ALUMINIUM	Tappelbang Pod	860540	pisolitic bauxite and laterite/ arkose sandstones.	BX, GBS	Q,KAO,	Stratabound, Residual			204
ALUMINIUM	Vrilya Point	270570	Aluminous laterite including pisolitic bauxite.	BX,GBS,BHM,GOET	Q,KAO,AMORPHUS SILICA	Residual			211
ALUMINIUM	_Unnamed	120590	Feruginous laterite with pisolitic bauxite	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			227
ALUMINIUM	_Unnamed	270870	Feruginous laterite with pisolitic bauxite	BX,GOET,KAO	SILICA, FE-OXIDES	Residual			281
ALUMINIUM	_Unnamed	330480	Aluminous laterite including pisolitic bauxite.	BX,GBS,BHM,GOET	Q,KAO,AMORPHUS SILICA	Residual			300
ALUMINIUM	_Unnamed	363643	Aluminous laterite including pisolitic bauxite.	BX,GBS,BHM,GOET,HEM	Q,KAO,AMORPHUS SILICA	Residual			301
ALUMINIUM	_Unnamed	370520	ferruginous laterite, pisolitic bauxite	BX,GBS,BHM		Residual			228
ALUMINIUM	_Unnamed	445367	Aluminius laterite including bauxite	BX,BHM,GOET,GBS,MT	SILICA, KAO,CLAY MINERALS	Stratabound, Residual		Unknown	302
ALUMINIUM	_Unnamed	450535	Aluminius laterite including bauxite	BX,BHM,GOET,GBS,MT	SILICA, KAO,CLAY MINERALS	Stratabound, Residual		Unknown	303
ALUMINIUM	_Unnamed	585899	Aluminius laterite including bauxite	BX,BHM,GOET,GBS,MT	SILICA, KAO,CLAY MINERALS	Stratabound, Residual		Unknown	304
ALUMINIUM	_Unnamed	880400	pisolitic bauxite and laterite/ arkose sandstones.	BX, GBS	Q,KAO,	Stratabound, Residual			229
ALUMINIUM	_Unnamed	880850	ferricrete and ironstone gravel	BX	Q	Residual			264

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ALUMINIUM KAOLIN	Andoom	903136	pisolitic bauxite and laterite	BX, GBS, BHM	Q,KAO	Residual		Unknown	16
ALUMINIUM KAOLIN	Weipa	980000	pisolitic bauxite and laterite	BX, GBS, BHM	Q,KAO	Residual		Unknown	213
ANTIMONY GOLD	Dickies	456903	Adamellite, schist.	GAL,ASPY	Q	Veins, Breccia-fill	Fracture, Fault/shear zone	Silicification	64
ANTIMONY GOLD	Peninsula King	457908	Adamellite, schist.	GAL,ASPY,AU	Q	Veins, Breccia-fill	Fracture, Fault/shear zone	Silicification	180
COPPER	_Unnamed	669853	Granite, adamellite.						266
GOLD	Eureka	454911	Adamellite, schist.	AU	Q	Breccia-fill, Lenticular	Fracture, Others, Contemporaneous		82
GOLD	Rocky River	698730	slates and quartzites.	AU.	Q.	Placer			187
GOLD	_Unnamed	358040		AU.					265
GOLD ANTIMONY	Alice Queen	450924	Adamellite, schist.	GAL,ASPY	Q	Veins, Breccia-fill	Fracture, Fault/shear zone	Silicification	13
GOLD ZINC LEAD	Gossan	234205		PY,ASPY,CPY,GAL,SPL.	Q,TC	Breccia-fill, Irregular, Disseminated	Fracture, Fault/shear zone, Contemporaneous		123
KAOLIN	_Unnamed	438504	ferruginous laterite/ argillaceous sandstone	KAO, GOET,GBS, BHM	CLAY MINERALS,Q	Residual			267
LEAD SILVER GOLD?	GHR18	087992		AU.	Q.	Veins			104
LEAD SILVER GOLD?	GHR20	010992		AU.	Q.	Veins			106
LEAD SILVER GOLD?	GHR21	006967		AU.	Q.	Veins			107
LEAD SILVER GOLD?	GHR22	078996		AU.	Q.	Veins			108
LEAD SILVER GOLD?	GHR23	043035		AU.	Q.	Veins			109
LEAD SILVER GOLD?	GHR24	046034		AU.	Q.	Veins			110
RUTILE ZIRCON	Chandogga Point Area	725061	Quartztose sand,minor calcareous sand.	RUT,ZR, LEUCOXENE	Q.	Residual			45
RUTILE ZIRCON	SHB 13	024019	sands.	RUT,ZR.	Q.	Placer			189
RUTILE ZIRCON	Turtle Head Island	849899	Quartz sand.	RUT,ZR, LEUCOXENE	Q.	Residual			209
RUTILE ZIRCON	_Unnamed	015947	sands.	RUT,ZR.	Q.	Placer			275
RUTILE ZIRCON	_Unnamed	016181	sands.	RUT,ZR.	Q.	Placer			276
RUTILE ZIRCON	_Unnamed	016904	snads.	RUT,ZR.	Q.	Placer			277
RUTILE ZIRCON	_Unnamed	018153	snads.	RUT,ZR.	Q.	Placer			279
RUTILE ZIRCON	_Unnamed	022997	sands.	RUT,ZR.	Q.	Placer			280
SILICA SAN	Conical Hill	290790	Quartztose sands.	SILICA.	Q.	Placer			49
SILICA SAN	Orford Ness	998382	Dune sands.		SILICA SANDS.				172
SILICA SAN	Round Point	260775	Quartztose sands.	SILICA.	Q.	Placer			188
SILICA SAN	Saddle Hill	315770	Quartztose sands.	SILICA.	Q.	Placer			190
SILICA SAN	White Point	163794	Quartztose sands.	SILICA.	Q.	Placer			219
SILICA SAN	_Unnamed	945175		IM,MT,(RUT),(ZR).	Q.	Residual			274

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TIN	At Mullhollands House	592144	Quartztose sands minor silt.	CST, (ZR),(IM),(MT),(RUT).	Q,TOU.	Placer, Residual			20
TIN	Booty Hill Pits	587104	Quartztose sands/minor silt.	CST, (ZR),(IM),(MT),(RUT).	Q,TOU.	Placer, Residual			33
TIN	Laradeenya Creek	543083	Quartztose sands /older beach ridges.	CST, (ZR),(IM),(MT),(RUT).	Q,TOU.	Placer, Residual			141
TIN	Moody Flat	570096		CST, (ZR),(IM),(MT),(RUT).	Q,TOU.	Placer			153
TIN	Mt. Isa	591094		CST, (ZR),(IM),(MT),(RUT).	Q,TOU.	Placer			155
TIN	_Unnamed	592124	Quartztose sands /older beach ridges.	CST, (ZR),(IM),(MT),(RUT).	Q,TOU.	Placer, Residual			298
TIN ZIRCON RUTILE	_Unnamed	667169	Sand, shelly and quartzose.	CST, ZR,RUT	Q	Placer			263
ZINC LEAD GOLD?	Pottalah Creek	200250	Greenschists/ Lukin type schist/slate.	GAL,CPY,PY,SPL,ASPY.	Q.	Veins	Fracture	Sericitic, Unknown	183

TABLE 6

SUMMARY OF MINERAL EXPLORATION ACTIVITY UNDER AUTHORITY TO PROSPECT, CAPE YORK PENINSULA

1968-1980

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250 000 area			GL	GP	GC	D	R
53M	Aluminium Laboratories Corp Ltd	31/8/56	11/3/65	Port Musgrave Wenlock River	SD54-03 SD54-15	Bauxite	142,215,381,408, 752,865	CE		ce	l	q
95M	Australian Aquitane Petroleum Pty Ltd	27/3/65	not available	Coen - Thursday Island	SC54-11/12	Seismic Survey Petroleum	1827	C	LNG HIQ			
320M	Comalco Ind Pty Ltd	21/3/66	21/3/67	Ward & Watson Rivers	SD54-07	Bauxite	3363				l	
460M	Mt Isa Mines Ltd	1/1/68	31/8/70	Palmer River	SD54-16	Alluvial Au	2832,3229		Q	q	lj	
468M	Metals Exploration N.L	1/1/68	31/12/69	Shelburne Bay	SC54-16	Heavy minerals, silica sands	2503, 2623	AB		al		
493M	T.L.E.C./Holland Aluminium Compaynie Pechiney joint venture	1/4/68	1/4/71	Aurukun Mission	SD54-07	Bauxite	2971, 5695,5696	C		T bce	lfk	ost
503M	Murphyores Inc. Pty Ltd	1/5/68	7/12/68	Nesbit River	SD54-08		No report					
511M	Consolidated Mining Industries Ltd	1/6/68	31/5/72	Lockhart River Iron Range	SD54-04 SD54-08	Au, base metals	3140, 3322, 3408, 4213	BC	GHIJK NOR	bdce	fghl	
512M	Consolidated Mining Industries Ltd	1/6/68	31/5/70	Coen Ebagoola	SD54-08 SD54-12	Au	3418, 3419					
513M	Consolidated Mining Industries Ltd	1/8/68	31/7/70	Coleman River	SD54-16		3169, 3428, 3687	E	GIKN	ab e		
515M	Consolidated Mining Industries Ltd	1/8/68	31/7/70	Bowden area	SD54-04	W	3025, 3399	AB	J	bad		q
519M	Mid East Minerals N.L.	1/6/68	13/11/69	Weymouth Bay Cape Sidmouth	SD54-04	Heavy minerals, (Au,Sb,Zn)	2887	(C)		dy	l	
520M	Consolidated Mining Industries Ltd	1/9/68	30/12/72	Coleman River	SD54-16	Au,Sb	3059, 3507, 3961, 4400	AB	GIJ	uabc de	fhli	
521M	Kennecott Explorations Australia Pty Ltd	1/9/68	31/8/69	West of Iron Range Pascoe River	SD54-04	Cu	3164	BCE		dbc		q
526M	Consolidated Mining Industries Ltd	1/9/68	31/8/70	Cape York	SC54-11	Sn	3113, 3343	AB		ae	fhjk	
527M	Consolidated Mining Industries Ltd	1/9/68	30/11/70	Mcllwraith Range	SD54-08	Au, base metals	3299, 3634	BC	GIJ NMO	Yadc	jh	
549M	T.L.E.C./Holland Aluminium Compaynie Pechiney joint venture	1/1168	1/11/71	Aurukun Mission	SD54-07	Bauxite	4243,4244,5695, 5696,	BC		T e	lfk	ost
570M	Consolidated Mining Industries Ltd	1/4/69	1/2/70	North of Wenlock	SD54-08		No report					

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250000 area			GL	GP	GC	D	R
580M	Noranda Australia Ltd	1/3/69	24/4/70	Torres Strait Islands	SC54-11	Au, Ag, base metals	3145	BC		bd	I	
597M	Laskan Minerals Pty Ltd	1/4/69	12/6/70	Palmer River	SD54-16	Heavy minerals	3541			bd		
602M	Signal Pacific Company	1/2/69	12/6/70	Orford Bay	SC54-16	Silica sand	3509	C		ce		no
628M	H.Rose,B.Rose, S.Ribich, B.Ribich	1/4/69	30/9/71	Rocky River	SD54-08	Alluvial Au	2962	AE		ad		uos
716M	Consolidated Mining Industries Ltd	1/9/69	30/4/70	Cape York offshore	SC54-11	Sn , heavy minerals	3186			eYU		
718M	Consolidated Mining Industries Ltd	1/3/70	28/2/72	Coleman River	SD54-16	W base metal	3723, 4128, 4129, 4401	B	GIJ	d		
719M	Kimba Mining Pty Ltd	1/3/70	28/2/72	Coleman River	SD54-16	Sb	3825, 3826, 4242	AB				
720M	Kimba Mining Pty Ltd	1/3/70	28/2/72	Morehead River	SD54-16	Sb	3539, 3900, 4097, 4216	AB				
721M	F.R. Beggs, E.R. Hudson	1/1/70	31/12/70	Mitchell River	SE54-04	Alluvial Au	3721,3536,3790	C			i	
733M	F.R. Beggs, E.R. Hudson	1/8/70	31/7/71	Mitchell River	SE54-04	Alluvial Au	3536,3790	C			i	
734M	F.R. Beggs, E.R. Hudson	1/8/70	31/7/71	Mitchell River	SE54-04	Alluvial Au	3536,3790	C			i	
773M	Consolidated Mining Industries Ltd	1/4/70	12/1/72	Nesbit River	SD54-08	Au, Sn, base metal	3440, 4189	AB	Aerial survey	ad	h	ng
796M	Marine Minerals Pty Ltd	1/7/70	4/8/72	offshore Gulf Carpentaria (Weipa)	SD54-03	Bauxite	3793, 3424		Q	U ce	hjm	q
812M	Laskan Minerals Pty Ltd	1/7/70	23/7/71	Geikie Range Archer River	SD54-08	Au, Ag, Sn, base metals	3800	AB	O	fbad		r
818M	Altarama Search Pty Ltd	22/8/70	14/4/72	Orford Bay	SC54-16	Heavy minerals silica & bauxite	4044	B	HI		I	
827M	Pacimex Pty Ltd/ Altarama Search Pty Ltd	22/8/70	22/1/72	S Vrilya Point Doughboy River	SC54-15	Bauxite	4107	CA	IG	T e	If	
828M	Pacimex Pty Ltd/ Altarama Search Pty Ltd	22/8/70	15/5/72	N Vrilya Point Jackey Jackey Airstrip	SC54-15	Bauxite	4100	C	IG	T e	If	
833M	Altarama Search Pty Ltd	22/8/70	17/8/71	Mt Mulgrave	SE54-04	Base metals	3748,4100,4107					
838M	Austral Pacific Mining Co. Ltd	1/6/70?	2/2/72	South of Weipa	SD54-03 SD54-07	Bauxite	4557	CE		ce	I	qo

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250 000area			GL	GP	GC	D	R
845M	Latec Finance Pty Ltd	1/9/70	1/9/72	Holroyd River	SD54-11		7269					
870M	Pacimex Pty Ltd/ Altarama Search Pty Ltd	1/04/71	15/5/72	Archer-Holroyd River	SD54-07 SD54-11	Bauxite	4045, 4046, 4047	C	GI	T e	lf	
874M	Pacimex Pty Ltd	1/12/70	not available	Coleman-Holroyd River	SD54-11	Bauxite	4220	C	JO	U	f	q
881M	CRA Exploration Pty Ltd	1/2/71?	not available	Wenlock River	SD54-03	Bauxite	3873, 4086, 4087, 4431, 4700, 5087	BC		e	l	nvo
921M	Torres Strait Wolfram Pty Ltd	30/3/71	30/3/73	Moa Island	SC54-11	W	4121	AC		ae	fg	o
923M	Broken Hill Pty Co Ltd	8/4/71	29/3/73	offshore Skardon River	SC54-15	Bauxite	4408	C		Ub	hjk	
924M	Pacimex Pty Ltd	24/3/71	24/3/73	Holroyd River	SD54-11	Bauxite	4220	C	JO	U	f	qu
925M	Pacimex Pty Ltd	2/4/71	2/4/73	Kendall River	SD54-11	Bauxite	4220	C	JO	U	f	qu
926M	Pacimex Pty Ltd	2/4/71	2/4/73	Kendall - Holroyd River	SD54-11	Bauxite Kao	4220	C	JO	U	f	qu
927M	Pacimex Pty Ltd	2/4/71	2/4/73	Kendall River	SD54-11	Bauxite	4220	C	JO	U	f	qu
941M	Pacimex Pty Ltd	20/5/71	15/5/72	S. Jardine River	SC54-15	Bauxite	4105	C	JO	U	f	qu
942M	Pacimex Pty Ltd / Altarama Search Pty Ltd	20/5/71	15/5/72	Magroon Doughboy River	SC54-15	Bauxite	4106	C	JO	U	f	qu
943M	Pacimex Pty Ltd / Altarama Search Pty Ltd	27/5/71	15/5/72	Jackson River	SC54-15	Bauxite	4096	C	JO	U	f	qu
955M	Pacimex Pty Ltd / Altarama Search Pty Ltd	26/6/71	15/5/72	Jackson River	SC54-15	Bauxite	4095	C	JO	U	f	qu
968M	Laskan Minerals Pty Ltd	24/7/71	23/7/73	Granite Creek	SD54-08	Sn, base metals	3800,4601	AB		bad	qu	
985M	Pacimex Pty Ltd / Altarama Search Pty Ltd	2/8/71	15/5/72	Jardine River	SC54-11	Bauxite	4043	C	JO	U	f	q
990M	Pacimex Pty Ltd / Altarama Search Pty Ltd	10/8/71	15/5/72	Jardine River	SC54-11	Bauxite	4041	C	JO	U	f	q
1000M	Commonwealth Aluminium Co Ltd	27/11/71	3/10/72	NE Weipa	SD54-03	Bauxite	4316	CE	JI			u
1001M	Commonwealth Aluminium Co Ltd	27/11/71	27/11/73	S Upper Durie River	SD54-03	Bauxite	4317,4392,4396	CE	J	uTc e	lf	u
1005M	Comalco Ltd	27/11/71	27/11/73	Congora Beach	SC54-11/12	Bauxite	4081	C			l	q
1222M	Allstate Exploration N.L.	12/5/73	11/5/77	Shelburne Bay	SC54-16	Silica sand	4857, 5224, 5225, 5236?, 6230,10127			ea	l	suoq

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports (c=confidential reports)	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250 000area			GL	GP	GC	D	R
1223M	Allstate Exploration N.L.	12/5/73	22/5/74	Shelburne Bay	SC54-16	Silica sand	5236			ea	l	
1295M	C.R.A. Exploration Pty Ltd	19/10/73	20/6/74	Iron Range	SC54-04	Au base metals	4778	BC		ad	ilh	q
1351M	Commonwealth Aluminium Co. Ltd	4/4/74	4/4/76	S Upper Durie River	SD5403	Bauxite	?	CE		ce	l	uq
1433M	Blackstone Mining Pty Ltd	4/10/74	3/10/76	Palmer River	SD54-16	Au, heavy minerals	6195			d		
1434M	Blackstone Mining Pty Ltd	4/10/74	3/5/76	Palmer River	SD54-16	Au, heavy minerals	6195			d		
1448M	A.O.G. Minerals Pty Ltd	7/11/74	7/11/76	Shelburne Bay	SC54-16	Silica sand	5403			ea		
1465M	Urangesellschaft Australia Pty Ltd	29/11/74	28/11/76	Mt Mulgrave	SE54-04	U, base metals	5632,5999	BF	JO	bcd		
1499M	Otter Exploration N.L.	2/4/75	30/10/76	Peach Creek	SD54-08	U	5733		L		l	q
1519M	A.O. (Australia) Pty Ltd	17/5/75	16/7/76	Newcastle Bay	SC54-12	Heavy minerals	5698			ad	l	
1520M	A.O. (Australia) Pty Ltd	17/5/75	21/1/76	Princess Charlotte Bay	SC54-12	Heavy minerals	5482	EC		ad	l	
1523M	A.O. (Australia) Pty Ltd	30/5/75	3/10/75	Princess Charlotte Bay	SC54-12	Heavy minerals	5441	(A) F		d	i	
1558M	P. Fletcher	9/9/75	9/9/77	Palmerville Mitchell River	SD54-16 SD54-04	Au	no report					
1563M	A.O. (Australia) Pty Ltd	17/9/75	19/10/76	Olive River	SD54-04	Heavy minerals	5863			ab	lk	
1623M	Commonwealth Aluminium Corp. Ltd	5/5/76	5/5/78	Mitchell River	SD54-16	Bauxite	6008					
1669M	Commonwealth Aluminium Corp. Ltd	14/8/76	17/12/76	Yambo Inlier	SE54-04	base metals	5925	CE				q
1697M	Dillingham Australia Ltd	1/12/76	31/1/79	Palmer River	SD54-16	Alluvial Au	6193,6592,6995, 7192,7890	CE			l	q
1740M	CRA Exploration Pty Ltd	15/2/77	15/2/79	S Coen River	SD54-08 SD54-12	Zn, W, U	6542,7074	CE	J	ab e	f	
1741M	CRA Exploration Pty Ltd	15/2/77	14/2/78	N of Mitchell River	SD54-16 SE54-04	base metals	6464	A	O			5
1742M	CRA Exploration Pty Ltd	15/2/77	14/2/78	N of Mitchell River	SD54-16 SE54-04	base metals	6464	A	O			5
1788M	Daupin Mining Company Ltd	14/6/77	13/6/79	Iron Range	SD54-04	Au,(Fe,Mn)	6309,6598(BHP), 6961,7307	BCE	ON	abcf	ghi	

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports (c=confidential reports)	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250 000 area			GL	GP	GC	D	R
1789M	Commonwealth Aluminium Corp. Ltd	14/6/77	27/10/77	Coleman River	SD54-12	Au?	6263					
1818M	Australian Gold Development N.L	19/8/77	7/12/78	Ebagoola	SD54-12	Au?	no report					
1840M	Pancontinental Mining Ltd	20/10/77	19/10/79	Coleman River	SD54-12		6798,7525					
1855M	Gold Fields Exploration Pty Ltd	16/11/77	16/11/79	NW of Laura	SD54-16	Au?	6422,7097,7098, 7734					
1880M	CRA Exploration Pty Ltd	3/1/78	21/12/79	West of Coen	SD54-12	Au?	6753, 7182, 7613, 7825,10609	AB	GJO	b	h	
1881M	Anaconda	3/1/78	3/1/80	Potallah, S of Ebagoola	SD54-16	Au?	7047,7320,7458, 7810,8123,8532, 8653					
1889M	Utah Development Company	27/1/78	27/3/82	Bowden	SD54-04	W	7141, 7645, 7872	ABF (E)		c	I	q
1894M	Geopeko	17/2/78	27/3/81	Dixie, S of Ebagoola	SD54-16	Au	7079,7080,8089,					
1895M	Geopeko	17/2/78	27/3/81	Dixie, S of Ebagoola	SD54-16	Au,Sb	7262,7263,7421, 8023, 8359,					
1925M	Geopeko	17/4/78	17/4/81	Dixie, King River	SD54-16	Au,Sb	7197,7198,7922, 7923					
1933M	Australia & New Zealand Exploration Co.	26/4/78	29/3/79	Bald Hill N of Coen	SD54-08	W, Sn	6846	AB		acd	f	q
1955M	CRA Exploration Pty Ltd	23/6/78	23/6/79	Holroyd River Strathburn	SD54-12	Sn	7106	BC		ac e	I	
2016M	CRA Exploration Pty Ltd	18/9/78	18/9/79	Spion Kop, Kalkah	SD54-12	Au, U	7142,7666,7887	ABF	IJON	ce	j	
2031M	Geopeko	26/10/78	26/10/80	S of Musgrave	SD54-12	Au?	7207					
2064M	Agip Australia	19/1/79	19/1/81	Dixie, Kalkah	SD54-12 SD54-16	Au	9888, 8150, 8520					
2074M	CRA Exploration Pty Ltd	12/2/79	20/12/79	Emu Creek (Tadpole Creek)	SD54-08	Au, U	7542,7837	AC		b	h	
2078M	CRA Exploration Pty Ltd	16/2/79	20/12/79	Ebagoola	SD54-12	Au, U	7540,7888	ACB	I	Ybe	j	
2083M	Peko-Wallsend operations Pty Ltd	22/2/79	22/2/81	King River	SD54-16	Au?	7542,7837,7423,80 99,8100,8397,8890					

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports (c=confidential reports)	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250000 area			GL	GP	GC	D	R
2084M	Peko-Wallsend operations Pty Ltd	22/2/79	8/12/80	Palmer River	SD54-16	Base metals, U,Th	7422,8099,8398, 8891	A		IJ	de	
2112M	Oilmin N.L.; Transoil N.L.; Petromin N.L.	30/3/79	30/3/81	Mt Carter S of Iron Range	SD54-04 SD54-08	U	7785,10628	Track Etch C			mj	
2141M	Jimbilly Pty Ltd	12/6/79	4/8/83	Peak Hill, Cape York	SC54-11	Sn	8097, 8409, 9660, 10721, 11076, 11394	ACE		abde T	g	pvtu
2154M	Urangesellschaft Australia Pty Ltd	9/7/79	8/7/80	King River, Kalkah	SD54-12	U	8389					q
2157M	Enbex Pty Ltd	13/7/79	12/7/80	Rocky River	SD54-08	Alluvial Au	8016			a		
2182M	Anaconda Australia Inc	19/9/79	18/12/80	Dixie, S of Ebagoola	SD54-16	Au,Sb	8274,8532,8653					
2222M	Jimbilly Pty Ltd	9/10/79	8/10/81	Horn Island	SC54-11	Au	8948C,9844C					
2252M	CRA Exploration Pty Ltd	21/12/79	21/12/80	Tadpole Creek	SD54-12	U	8122, 9047, 10609	AC	NO	aebdc	f	q
2255M	CRA Exploration Pty Ltd	21/12/79	21/12/80	Yarraden Goldfields	SD54-12	Au	8422, 9047, 10609	AC	NO	abedc	f	q
2256M	CRA Exploration Pty Ltd	21/12/79	21/12/80	Yarraden Goldfileds	SD54-12	Au	8122, 9047, 10609	AC	NO	aebdc	f	q
2257M	CRA Exploration Pty Ltd	21/12/79	20/12/80	NW of Coen	SD54-08 (SD54-12)	Au	8122, 9422	A	OIJ	ybj (h)e		q
2267M	Gold Copper Exploration Ltd	7/1/80	7/1/83	Wenlock	SD54-08	Au	8693, 10367C, 12910C, 15605C, 16488C, 16489C	ABDE	PQO	abde T	hkjf	q
2283M	Anaconda Australia Inc	14/1/80	2/1/81	Dixie	SD54-16	Au	8532,8653					
2351M	MRX Pty Ltd	28/2/80	27/2/81	Palmer River Strathleven	SD54-16	Alluvial Au	8318				k	
2398M	CRA Exploration Pty Ltd	28/4/80	28/4/82?	Kennedy River	SD54-16	Placer deposits Au	8830,9503			abd		
2426M	Jahi Pty Ltd	15/5/80	15/5/85	Iron Range	SD54-04	Au	10822, 9542C, 10821C, 11192C, 11683C, 14992C, 12819C, 13469C, 13918C, 14945C	BCFE	I	abde	fg	qu
2479M	T. Essington Breen	9/6/80	19/8/84	Shelburne Bay Cape Grenville	SC54-16	Silica sand	10127, 8582C, 10133C, 11570C, 11571C					q
2480M	T. Essington Breen	9/6/80	19/8/84	Shelburne Bay	SC54-16	Silica sand	10127, 12246C, 14139C					

Authority to prospect No:	Holder (Company)	Date granted	Date relinquished	Area		Exploration target	Open file reports (c=confidential reports)	Exploration methods (refer to Appendix 3 for abbreviations)				
				Locality	1:250 000 area			GL	GP	GC	D	R
2547M	Teos Mines N.L.	14/8/80	13/8/81	Alice River	SD54-16	Au	1229					
2579M	Tecam Pty Ltd	25/8/80	28/8/81	N of Mt Mulgrave	SD54-16 SD54-04	Heavy minerals	9259,9760		F	de		
2580M	Tecam Pty Ltd	25/8/80	28/8/81	N of Mt Mulgrave	SD54-16 SD54-04	Heavy minerals	9259,9761		F	de		
2605M	CSR Ltd	19/9/80	19/9/81?	Dixie	SD54-16		8706,10058					
2613M	White Industries (Qld) Pty Ltd	23/9/80	23/9/82	Nesbit River	SD54-08	Au	8784, 9412	AB		abd		q
2640M	Hookway Aviation Pty Ltd	30/9/80	30/9/82?	Palmer River	SD54-16	Alluvial Au	9914					
2763M	Wolverton Tin Pty Ltd	11/12/80	7/4/83	Granite Creek Wolverton, N of Coen	SD54-08	Sn,W	9131, 9772, 10216	ABCE			lf	quo
2810M	Godkin Mining Pty Ltd	19/12/80	18/12/83	Coen	SD54-08	Au	9046, 10257, 11562, 12474					
2859M	Peko-Wallsend Operations PtyLtd	24/12/80	9/11/81	Wenlock	SD54-08	Au	9074, 10298,16488	CE		abdy T		
2894M	Maximal Mining Co/Energy Management Pty Ltd	30/3/81	15/2/83	Vrilya Point Jardine River	SC54-15	Bauxite	9488,10587,11130, 11810	ABCE		T ce	li	
2895M	Maximal Mining Co/Energy Management Pty Ltd	16/2/81	15/2/83	Vrilya Point, Jardine River	SD54-15	Bauxite	9488,10587,11130, 11180	ABCE		T ce	li	u
2960M	Halekka Pty Ltd	30/3/81	31/3/82	Cape York Point	SC54-12	TiO2, Sn, Au, Heavy minerals	9667, 10601	C		abc e	lk	q
2987M	Ribich & Leoni	9/4/81	13/4/84	Silver Plains NE Coen	SD54-08	Alluvial Au?	11563C,11564C, 11565C,13825C					
3848M	Mer Management Pty Ltd	19/10/84	18/10/86	Vrilya Point	SC54-15	Bauxite	16294	ABCE		T		qou
3549M	Mills E.M. Evans	4/3/83	current	Ebagoola Kalkah	SD54-12	Au	13408, 13967, 13997, 13994, 15610, 15611, 17373, 17397, 17479, 17801, 18534, 18897, 20859					
3731M	Austamax Operations Pty Ltd	3/4/84	27/9/84	Ebagoola Kalkah	SD54-12	Au	13677					
3987M	Mt Isa Mines Ltd	1/5/85	21/2/86	Se Coen	SD54-08 SD54-12	Diamonds, Au	15472					

TABLE 7

SOURCES OF DATA

NON-COMPANY AND OPEN FILE COMPANY REPORTS

PUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
Banks, J.G	1947	Mining in Cape York Peninsula 20th October 1947 P319-320	QGMJ
Beck, G	1935	Cape York Peninsula Fields, 15 November 1935, P377-380	QGMJ
Beck, G	1936	Report on inspection of Peninsula Division, 15 September 1936, P324-325	QGMJ
Berkman, D.A	1966	Bulletin. July 1966, Reports: Rum Jungle, P12-13	AusIMM
Blewett,R.S & von Gnielinski,F	1991	Geology of the Coen Metamorphics with special reference to the Coen and Ebagoola Shear Zones.	BMR unpublished record 1991/14
Broadhurst, E & Rayner, E O	1937	The Claudie River Gold and Mineral Field. Report QLD, No.12 P16-17	Aerial, Geol.& Geophys. Survey of N-AUS
Cameron, Walter E.	1906	Geological Survey Reports: Some Gold Fields of the Cape York Peninsula. The Starcke, Alice River (Philp), Hamilton and Coen, 15 December 1906, P643-647	QGMJ
Canavan,F.	1965	Iron ore deposits of Australia. In: McAndrew,J.,(ed.) Geology of Australian Ore Deposits. Vol.1,13-23.	Eighth Commonwealth Mining & Met. Congr.
Cherry, F.J.	1907	Mining on the Archer and Pascoe River district, Cape York Peninsula, Vol.8, P431-435	Ibid
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Evans, H.J	1975	Weipa Bauxite Deposit, QLD In: Economic Geology of Australia and Papua New Guinea, 1. Metals, Chapter 34 - Bauxite, P959-964.	AusIMM
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Jensen, H.I	1963-64	Sketch of the Geology and Physiography of Cape York, Vol.LXII, Session 1963-64, P23	Qld Geographical Journal
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Morton, C.C	1924	Geological Survey Reports: Geology and mineral occurrences, Pascoe River district, Cape York Peninsula, (Continued), 15 April 1924, P129-134	QGMJ
Morton, C.C	1930	Batavia River Gold Diggings, Cape York Peninsula (Chapter Introduction) 15 November 1930, P452-455	QGMJ
Morton, C.C	1930	Batavia River Gold Diggings, Cape York Peninsula (Chapter Production) 15 December 1930, P492-498	QGMJ
Rands, William H.	1896	Geological sketch map to accompany report: Horn Island Goldfields.	Geological Survey of QLD

PUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
Richards, D.N.G	1980	Palaeozoic granitoids of northeastern Australia. In: Henderson & Stephenson (eds.) The Geology and Geophysics of Northeastern Australia, 229-246.	Geol. Soc. of Australia
Schapp,A.D.	1990	Weipa kaolin and bauxite deposits. In: Geology of the Mineral Deposits of Australia and Papua New Guinea, Vol. 2, Monograph 14, 1669-1674.	AusIMM
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Shepherd, S.R.Leonhard	1938	Hayes Creek Goldfield-Cape York Peninsula, 15 November 1938, P376-380	QGMJ
Shepherd, S.R.Leonhard	1941	Geological Survey Report: Wenlock Goldfield, 15 December 1941, P235-237,259-262	QGMJ
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Titles and Tenures Services	1962	Mining Lease 488 [dead] of Broken Hill PTY LTD, 17 Acres Cooktown [former ML 24 Coen]	QDRI
Titles and Tenures Services	1962	Mining Lease 489 [dead] of Broken Hill PTY LTD, 18 Acres Cooktown [former ML 25 Coen]	QDRI
Titles and Tenures Services	1962	Mining Lease 490 [dead] of Broken Hill PTY LTD, 77 Acres Cooktown [former ML 26 Coen]	QDRI
Titles and Tenures Services	1973	Mineral Lease 642 (alive) for BROKEN HILL PTY LTD	QDRI
Titles and Tenures Services	1989	Mining lease map 1:25000 Sheet LEEK CREEK.	QDRI
Whitaker,W.G	1968	The nomenclature of the igneous and metamorphic rocks of Cape York Peninsula, Queensland. Part 1 - the southern area. Vol.69, 344-355.	QGMJ
Whitaker,W.G	1969	The nomenclature of the igneous and metamorphic rocks of Cape York Peninsula, Queensland. Part 2 - the Coen-Iron Range area. Vol.70, 130-142.	QGMJ
Whitaker,W.G	1976	Mineralization in the Cape York-Torres Strait Area. In: Economic Geology of Australia and Papua New Guinea. 1.Metals, 799	AusIMM
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Willmott, W. et al.	1973	Igneous and metamorphic rocks of Cape York Peninsula and Torres Strait. Bulletin No.135	BMR
Wolff, Kevin W.	1990	Memorandum to: Acting Research Officer, 22nd January 1990. Proposal for alumina refinery at Weipa, Cape York	QDRI

UNPUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
A.C.I. MINERALS PTY LTD	1975	Annual report for year ending December 1974. Shelburne Bay silica sand deposits AP 1222M.	QDRI unpublished company report CR 5225
A.O. (AUSTRALIA) PTY LTD	1975	Report on AP 1519M Cape York Peninsula, Joint venture (+MINSANDS EXPLORATION PTY LTD).	QDRI unpublished company report CR 5698
A.O. (AUSTRALIA) PTY LTD	1976	AP 1520M Final relinquishment report (+MINSANDS EXPLORATION PTY LTD)	QDRI unpublished company report CR 5482
A.O.G. MINERALS PTY LTD	1975	Final report on AP 1448M Shelburne Bay, QLD	QDRI unpublished company report CR 5403
ALLSTATE EXPLORATION N.L.	1974	Relinquishment report on Shelburne Bay silica sand deposits AP 1223M.	QDRI unpublished company report CR 5236
ALLSTATE EXPLORATION N.L.	1977	Shelburne Bay silica sand deposits Termination report AP 1222M.	QDRI unpublished company report CR 6230
ALUMINIUM LABORATORIES LTD	1961	Report on portion of AP 53M lying between S.Lat 11 30' and 11 45', Cape York, Australia, surrendered November 1961	QDRI unpublished company report CR 752
ALUMINIUM LABORATORIES LTD	1962	Report on AP 53M, Cape York, Australia 1956-1961	QDRI unpublished company report CR 865
AUSTRAL-PACIFIC MINING Co LTD	1970	Final report on bauxite exploration of AP 838M, Weipa, QLD.	QDRI unpublished company report CR 4557
AUSTRALIA & NEW ZEALAND EXPLO	1979	Half yearly report on exploration programme AP 1933M, Coen Area, N-QLD	QDRI unpublished company report CR 6846
Aurukun Joint Venture	1975	COFFEY & HOLLINGSWORTH PTY LTD: Summary report on water availability, Aurukun area, N-QLD, AP 493M, AP 549M	QDRI unpublished company report CR 5696
BROKEN HILL PTY LTD	1978	AP 1788M IRON RANGE, QLD, Report for the 6 months ended 14th June 1978.	QDRI unpublished company report CR 6598
BROKEN HILL PTY LTD	1978	AP 1788M Report for the 6 months ended December 1978	QDRI unpublished company report CR 6961
BROKEN HILL PTY LTD	1979	AP 1788M Final report, August 1979	QDRI unpublished company report CR 7307
COMALCO ALUMINA IND LTD	1967	AP 320M Completion report	QDRI unpublished company report CR 3363
COMMONWEALTH ALUMINIUM Co LTD	1973	Annual report 1973, AP 1001M Ducie River	QDRI unpublished company report CR 4392
COMMONWEALTH ALUMINIUM Co LTD	1973	Report on relinquishment of part of AP 1001M, 23rd January 1973	QDRI unpublished company report CR 4317
COMMONWEALTH ALUMINIUM Co LTD	1975	Annual report for the year 1974, AP 1351M	QDRI unpublished company report CR 5228
CONSOLIDATED MINING IND LTD	1969	AP 515M, Cape York Peninsula for period 1.8.1968 to 31.12.1969	QDRI unpublished company report CR 3025
CONSOLIDATED MINING IND LTD	1969	Report on AP 527M (799 square miles) Cape York Peninsula, N-QLD for period 1 September 1968 to 31 December 1969	QDRI unpublished company report CR 3239
CONSOLIDATED MINING IND LTD	1970	Annual report on AP 520M1 and M2, Period 1 January to 31 December 1970	QDRI unpublished company report CR 3507

UNPUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
CONSOLIDATED MINING IND LTD	1970	Final report on AP 526M Cape York Peninsula, QLD	QDRI unpublished company report CR 3343
CONSOLIDATED MINING IND LTD	1970	Report on AP 515M, Bowden Mineral Field, Cape York Peninsula.	QDRI unpublished company report CR 3399
CONSOLIDATED MINING IND LTD	1970	Report on AP 520M (land2) (979 sq. miles), Cape York Peninsula,N-QLD, 29th January 1970.	QDRI unpublished company report CR 3059
CONSOLIDATED MINING IND LTD	1970	Report on AP 716M (offshore area) Cape York Peninsula, QLD	QDRI unpublished company report CR 3186
CONSOLIDATED MINING IND LTD	1970	Report on AP 719M N-QLD for year ending 31st December 1971	QDRI unpublished company report CR 3826
CONSOLIDATED MINING IND LTD	1970	Report on investigations AP 526M Cape York Peninsula 1 September 1968 to 31 December 1969	QDRI unpublished company report CR 3113
CONSOLIDATED MINING IND LTD	1970	Report on investigations AP 720M N-QLD, for year ending 31st December 1970.	QDRI unpublished company report CR 3539
CONSOLIDATED MINING IND LTD	1971	AP 511M Progress report. Period 1 January 1971 to 31 December 1971, plan No.479	QDRI unpublished company report CR 4213
CONSOLIDATED MINING IND LTD	1971	Final report on AP 527M Cape York Peninsula, QLD	QDRI unpublished company report CR 3634
CONSOLIDATED MINING IND LTD	1971	Progress report on AP 511M for January 1971 to December 1971 and plan No. 414	QDRI unpublished company report CR 4213
CONSOLIDATED MINING IND LTD	1971	Report on investigations AP 520M1 Period 1 January 1971 - 31 December 1971	QDRI unpublished company report CR 3961
CONSOLIDATED MINING IND LTD	1972	Annual report: AP 520M2	QDRI unpublished company report CR 4400
CRA EXPLORATION PTY LTD	1972	AP 881M Wenlock River, Cape York Peninsula, QLD Report on exploration undertaken during 1971	QDRI unpublished company report CR 4087
CRA EXPLORATION PTY LTD	1972	AP 881M Wenlock River, Cape York Peninsula, QLD Report on the area relinquished 17th March 1972	QDRI unpublished company report CR 4086
CRA EXPLORATION PTY LTD	1972	Evaluation of the Wenlock River bauxite deposit, Cape York, QLD AP 881M	QDRI unpublished company report CR 3873
CRA EXPLORATION PTY LTD	1972	Preliminary study into the development of the Wenlock River bauxite deposits, AP 881M.	QDRI unpublished company report CR 4431
CRA EXPLORATION PTY LTD	1973	AP 881M Wenlock River, Cape York, QLD Final report	QDRI unpublished company report CR 5087
CRA EXPLORATION PTY LTD	1974	Report on AP 1295M IRON RANGE, QLD, 7 January 1974	QDRI unpublished company report CR 4778

UNPUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
		P6 and soil sample plan.	
CRA EXPLORATION PTY LTD	1978	Holroyd River AP 1955M Report for six months to December 1978 and final report	QDRI unpublished company report CR 7106
CRA EXPLORATION PTY LTD	1978	Tadpole Creek AP 1880M, QLD, Annual report for 1978	QDRI unpublished company report CR 7182
CRA EXPLORATION PTY LTD	1979	Emu Creek AP 2074M, Cape York Peninsula, QLD, Final report	QDRI unpublished company report CR 7837
CRA EXPLORATION PTY LTD	1979	Emu Creek AP 2074M, Cape York QLD, Report for six months ended 12.8.1979	QDRI unpublished company report CR 7542
CRA EXPLORATION PTY LTD	1979	Hit or Miss AP 2078M Cape York Peninsula, QLD Final report. Report No.9969	QDRI unpublished company report CR 7888
CRA EXPLORATION PTY LTD	1979	Hit or Miss AP 2078M Cape York, QLD Report for six months ended 16th August 1979. Report No.9860	QDRI unpublished company report CR 7540
CRA EXPLORATION PTY LTD	1979	Spion Kop AP 2016M Cape York, QLD Report for six months ended 18th September 1979. Report No.9889	QDRI unpublished company report CR 7666
CRA EXPLORATION PTY LTD	1980	Emu Creek AP 2257 Hit or Miss AP 2256 Spion Kop AP 2255 Tadpole Creek AP 2252 Cape York Peninsula, QLD. Six monthly report to June 20, 1980. Report No.10163	QDRI unpublished company report CR 8122
CRA EXPLORATION PTY LTD	1980	Emu Creek AP 2257M, QLD, Final report 20 December 1980	QDRI unpublished company report CR 9422
CRA EXPLORATION PTY LTD	1980	Spion Kop AP 2016M Cape York Peninsula, QLD Final report. Report No.9968	QDRI unpublished company report CR 7887
CRA EXPLORATION PTY LTD	1981	Hit or Miss AP 2256M, Spion Kop AP 2255M, Tadpole Creek AP 2252M, Cape York Peninsula, QLD. Final report.	QDRI unpublished company report CR 10609
CSR LTD	1980	Report on AP 2605M Alice River Prospect, N-QLD	QDRI unpublished company report CR 8706
CYPRUS	1987	Progress report six months to December 1987, Iron Range, AtP 3642M QLD, No.582	QDRI unpublished company report CR 18485
ENBEX PTY LTD	1979	AP 2157M Cooktown - Coen Area, Cape York Peninsula.	QDRI unpublished company report CR 8016
ENERGEX PTY LTD	1981	Relinquishment report on AP 2426M Iron Range to accompany letter of application for an extension of one year on AP 2426M. (on behalf	QDRI unpublished company report CR 10822

UNPUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
		JAHI PTY LTD).	
FREEPORT AUSTRALIA MIN LTD	1986	Report to GOLD COPPER EXPLORATION INC Report on exploration activities for the twelve month period to 6 January 1987 AP 2267M	QDRI unpublished company report CR 16488
GEOPEKO	1981	Final and half year report to 9 November 1981, AP 2859M "Wenlock River".	QDRI unpublished company report CR 10298
GEOPEKO	1981	Half year report AP 2859M Wenlock River	QDRI unpublished company report CR 9074
GOLD COPPER EXPLORATION INC	1981	Report on exploration activities, AP 2267M Wenlock River 7.1.1980 to 6.1.1981	QDRI unpublished company report CR 8693
GOLD COPPER EXPLORATION INC	1982	Report C 82/8: AP 2267M Report on exploration activities for the period 7.1.1981 to 6.1.1982 Fig.2	QDRI unpublished company report CR 10367
GOLD COPPER EXPLORATION INC	1986	Report C86/3 AP 2267M, (Wenlock) Report on exploration activities for the period 7.1.1984 to 6.1.1986.	QDRI unpublished company report CR 15605
HALEKKA PTY LTD	1981	AP 2960M, six monthly report 30 March 1981 to 30 September 1981	QDRI unpublished company report CR 9667
HALEKKA PTY LTD	1981	AP 2960M "The Tip" six monthly report for the period 30 September 1981 to 30 March 1982	QDRI unpublished company report CR 10601
JIMBILLY PTY LTD APOLLO I.M.NL	1980	AP 2141M Cape York Tin Prospect, Report on activities for the period 12 June 1979 to 12 June 1980	QDRI unpublished company report CR 8097
JIMBILLY PTY LTD APOLLO I.M.NL	1980	AP 2141M Cape York Tin Prospect, Report on activities for the period 12 June 1980 to 12 December 1980	QDRI unpublished company report CR 8409
JIMBILLY PTY LTD APOLLO I.M.NL	1981	AP 2141M Cape York Tin Prospect, Report on activities for the period 12 December 1980 to 12 June 1981	QDRI unpublished company report CR 9660
JIMBILLY PTY LTD APOLLO I.M.NL	1981	AP 2141M Cape York Tin Prospect. Report on activities for the period 12 June 1981 to 12 December 1981.	QDRI unpublished company report CR 10721
JIMBILLY PTY LTD APOLLO I.M.NL	1982	AP 2141M Cape York Tin Prospect, Report on activities for the period 12 June 1982 to 12 December 1982	QDRI unpublished company report CR 11394
JIMBILLY PTY LTD APOLLO I.M.NL	1982	AP 2141M Report on activities for the half year 13 December 1981 to 11 June 1982	QDRI unpublished company report CR 11076
KALDINA RESOURCES LTD	1987	AP 3848 Vrilya Report for 6 months to 18 October 1986 and final report for AP 3848	QDRI unpublished company report CR 16294
KENNECOTT EXPLORATION LTD	1968	Final report AP 521M In appendix and map	QDRI unpublished company report CR 3164
KIMBA MINING PTY LTD	1970	Report on AP 719M	QDRI unpublished company report CR 3826

UNPUBLISHED SOURCES OF DATA

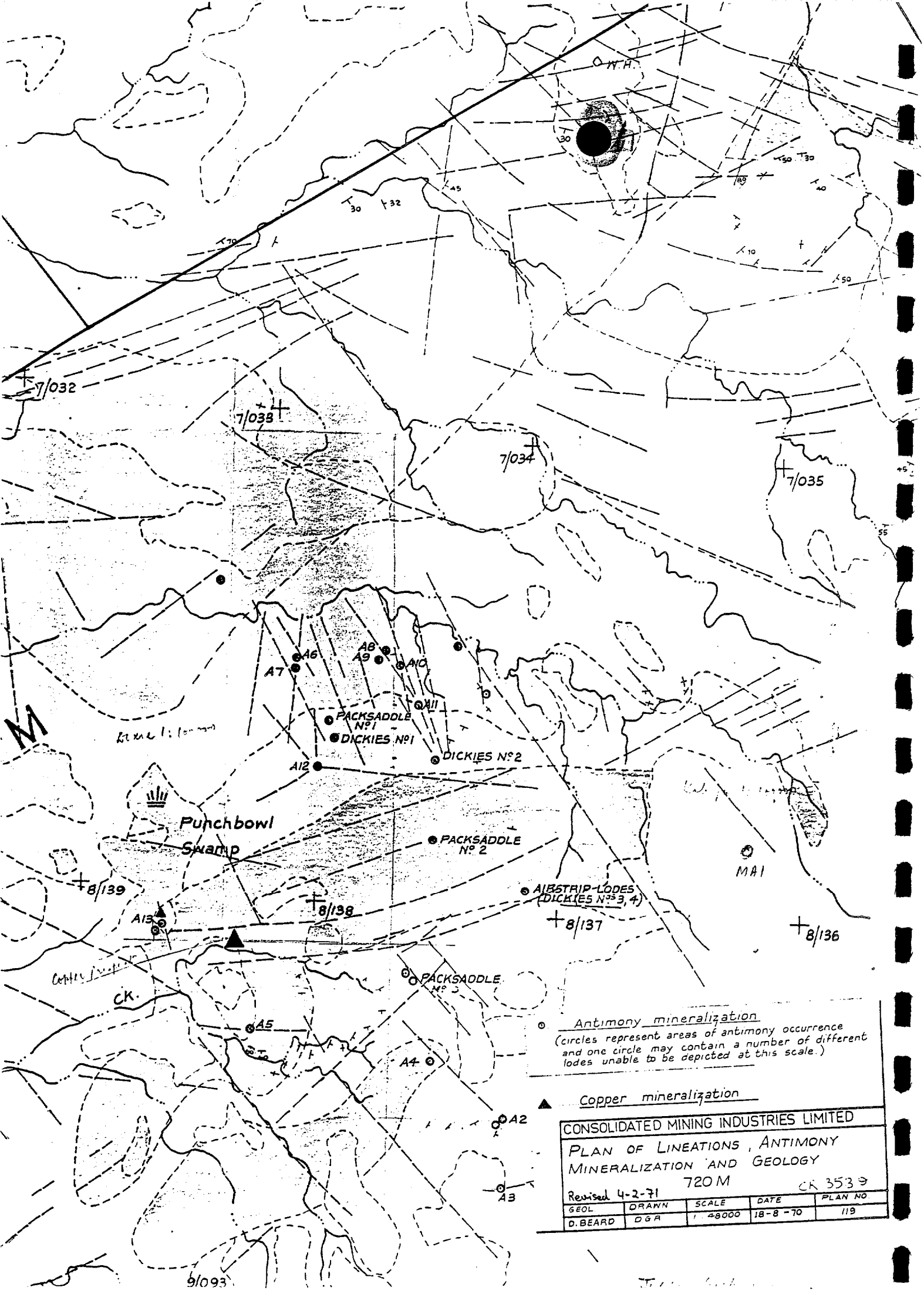
AUTHOR	YEAR	TITLE	PUBLISHER
		N-QLD for year ending 31st December 1971.	
KIMBA MINING PTY LTD	1970	Report on AP 720M for year ending 31st December 1971.	QDRI unpublished company report CR 4097
LASKAN MINERALS LTD	1971	Final report on AP 812M Geikie Range, QLD	QDRI unpublished company report CR 3800
LASKAN MINERALS LTD	1972	Report for period ending 31.12.1972, AP 968M Annual report for 1972.	QDRI unpublished company report CR 4601
MAXIMAL MINING Co PTY LTD	1980	Report on bauxite potential, Vrilya Point, Cape York Peninsula, QLD, October 1980. (for Insearch PTY LTD)	QDRI unpublished company report CR 9488
MAXIMAL MINING Co PTY LTD	1981	Report on bauxite evaluation, Vrilya Point, Cape York Peninsula, QLD, September 1981. (for Insearch PTY LTD)	QDRI unpublished company report CR 9488
METALS EXPLORATION N.L.	1968	Shelburne Bay mineral and silica sands prospect AP 468M Report of reconnaissance exploration programme.	QDRI unpublished company report CR 2623
NEWMONT AUSTRALIA LTD	1986	ATP 4253M, "Cape Weymouth" Report on area relinquished on 12/6/86 by Newmont Australia LTD on behalf of the Cape Weymouth Joint Venture.	QDRI unpublished company report CR 17263
NEWMONT AUSTRALIA LTD	1988	ATP 4226M, "Cape Weymouth" Annual report for the period 27/02/87 to 26/02/88 by Newmont Australia LTD on behalf of the Cape Weymouth Joint Venture.	QDRI unpublished company report CR 18707
NORANDA AUSTRALIA LTD	1970	Annual and final report AP 580M Torres Strait Islands, June 1970, Report No.135	QDRI unpublished company report CR 3145
PACMINEX PTY LTD	1971	Annual report on exploration in AP 827M year ended 31st December 1971, Cape York Peninsula, QLD	QDRI unpublished company report CR 4107
PACMINEX PTY LTD	1971	Annual report on exploration on AP 828M year ended 31st December 1971, Cape York Peninsula, QLD, Project No.56	QDRI unpublished company report CR 4100
PACMINEX PTY LTD	1971	Annual report on exploration on AP 941M year ended 31st December 1971, Cape York	QDRI unpublished company report CR 4105
PACMINEX PTY LTD	1971	Annual report on exploration on AP 942M year ended 31st December 1971, Cape York	QDRI unpublished company report CR 4106
QUEENSLAND SILICA PTY LTD	1974	Relinquishment report on Shelburne Bay silica sand deposits, 44 subblocks on AP 1222M.	QDRI unpublished company report CR 5224
QUEENSLAND SILICA PTY LTD	1977	Report on Shelburne Bay silica sand deposit AP 1222M	QDRI unpublished company report CR 4857
R.HARE & ASSOCIATES	1968	Shelburne Bay mineral sands prospect proposed programme and budget for stage I investigation AP 468M Report No.356	QDRI unpublished company report CR 2503
R.HARE & ASSOCIATES	1969	Investigation of the Rocky River alluvial gold prospect, QLD. Report No.395 AP 628M.	QDRI unpublished company report CR 2962
SHELL Co AUSTRALIA LTD	1982	AP 2894M/2895M	QDRI unpublished company report CR 11130

UNPUBLISHED SOURCES OF DATA

AUTHOR	YEAR	TITLE	PUBLISHER
		Vrilya Point, N-QLD Report on 6 months to 15 August 1982. Bauxite Jardine River. Report No. 08/1232	
SHELL Co AUSTRALIA LTD	1983	AP 2894M/2895M Vrilya Point Report on 6 months to 15 February 1983. Bauxite Jardine River. Report No.08/1318	QDRI unpublished company report CR 11810
SIGNAL PACIFIC Co	1969	Final report on AP 602M	QDRI unpublished company report CR 3509
SILICA SERVICES PTY LTD	1981	Relinquishment report AP 2479M Olive River to Cape Grenville and AP 2480M Shelburne Bay, N-QLD for Mr. Essington Breen.	QDRI unpublished company report CR 10127
TL&EC/HOLLAND ALUMINIUM G PECH	1971	Summary progress report to the Minister for Mines and Main Roads for the State of Qld, February 1971, Aurukun Bauxite Project AP 493M, AP 549M	QDRI unpublished company report CR 5695
TL&EC/HOLLAND ALUMINIUM G PECH	1972	Final geological report Completion of exploration - Merapah AP 549M	QDRI unpublished company report CR 4244
TL&EC/HOLLAND ALUMINIUM G PECH	1972	Ore reserve estimate, AP 549M	QDRI unpublished company report CR 4244
TORRES STRAIT WOLFRAM PTY LTD	1971	AP 921M Report for twelve months ended 31 December 1971	QDRI unpublished company report CR 4121
UNITED REEFS N.L.	1987	ATP 4253M, Annual report for the period ended April 2nd, 1988 including six monthly report for the period ended 2nd October, 1987.	QDRI unpublished company report CR 17632
UTAH DEV Co EXPLORATION (Bris)	1979	Annual report to January 1979 on AP 1889M Bowden Area, Report No. 312	QDRI unpublished company report CR 7141
UTAH DEV Co EXPLORATION (Bris)	1979	First relinquishment report as at 30.12.1978 on AP 1889M, Bowden area, Misc report No.1044	QDRI unpublished company report CR 7645
UTAH DEV Co EXPLORATION (Bris)	1980	Fourth six monthly report to the Mines Department on AP 1889M, Bowden Area, Report No. 326B	QDRI unpublished company report CR 7872
WHITE INDUSTRIES PTY LTD	1981	Final and half yearly report for AP 2613M Nesbit River map in appendix	QDRI unpublished company report CR 9412
WHITE INDUSTRIES PTY LTD	1981	Half yearly report for AP 2613M Nesbit River	QDRI unpublished company report CR 8784
WOLVERTON TIN PTY LTD	1981	Wolverton AP 2763M N-QLD, Interim report submission for two year renewal of tenure.	QDRI unpublished company report CR 9772
WOLVERTON TIN PTY LTD	1982	Wolverton Prospect, N-QLD, A review of exploration metallogenesis and potential of placer tin occurrences. AP 2763M	QDRI unpublished company report CR 10216

APPENDIX 1

MINERAL OCCURRENCE DATA SHEETS



Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720 M

CR 3539

Revised 4-2-71

GEOL	DRAWN	SCALE	DATE	PLAN NO
D. BEARD	D G R	1 : 48000	18-8-70	119

DATA SHEET 1

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 1 REFERENCE NUMBER:700966

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 770050 mE, 8296600 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Dividing Range
LOCALITY.....: 4.1km NNE of Killarney landing ground.
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

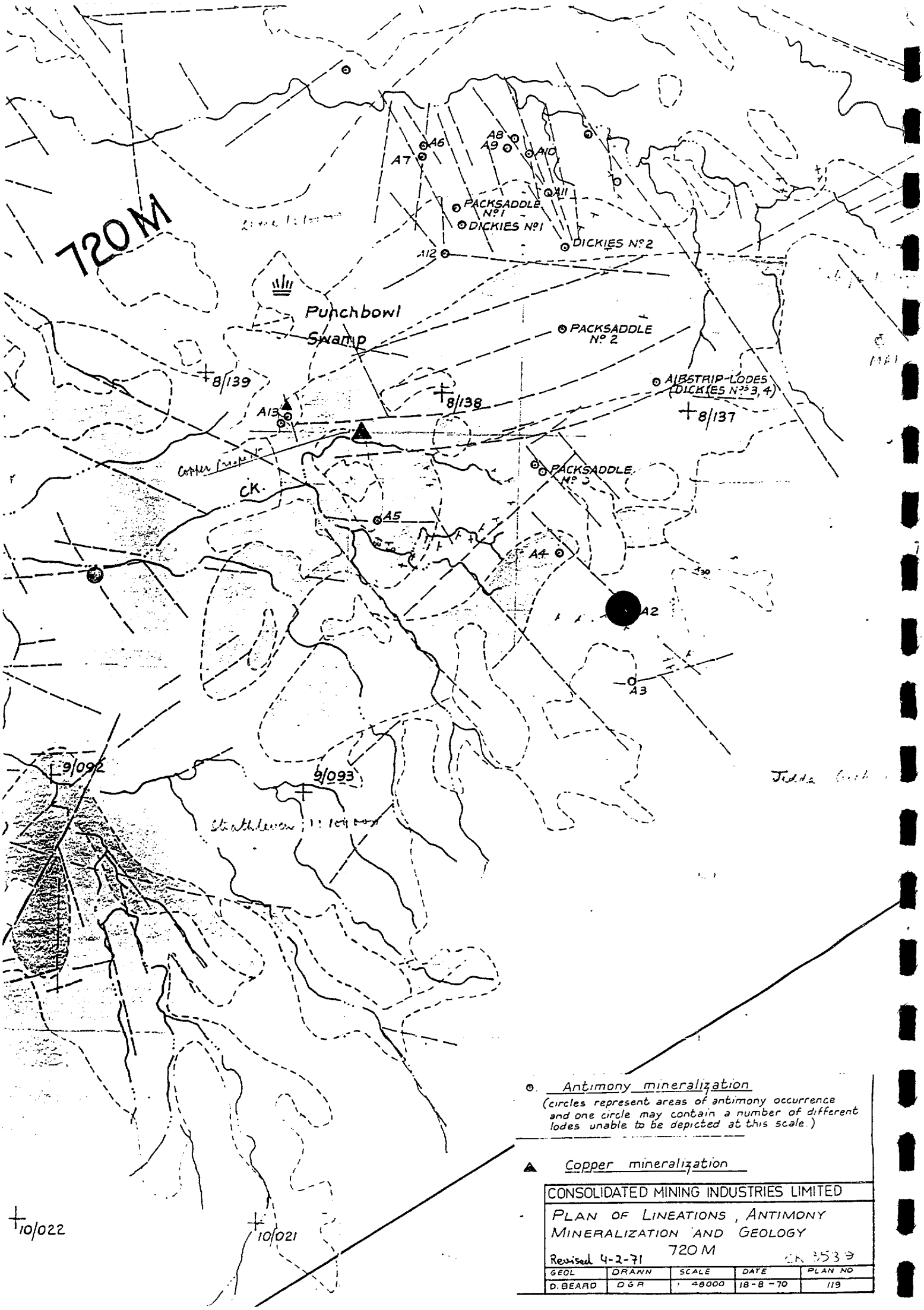
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A6
A7
A8
A9
A10
A11
A12
PACKSADDLE No1
DICKIES No1
DICKIES No2
Punchbowl Swamp
PACKSADDLE No 2
AIRSTRIP LODES (DICKIES No 3, 4)
8/139
8/138
8/137
A13
Copper Creek
CK.
PACKSADDLE No
A5
A4
A2
A3
9/092
9/093
Strathleven
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
GR 3539
GEOL D. BEARD
DRAWN DGR
SCALE 1" 48000
DATE 18-8-70
PLAN NO 119

DATA SHEET 2

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 2 REFERENCE NUMBER:704819

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 770400 mE, 8281900 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: JEDDA CREEK 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 14.5km SSE of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

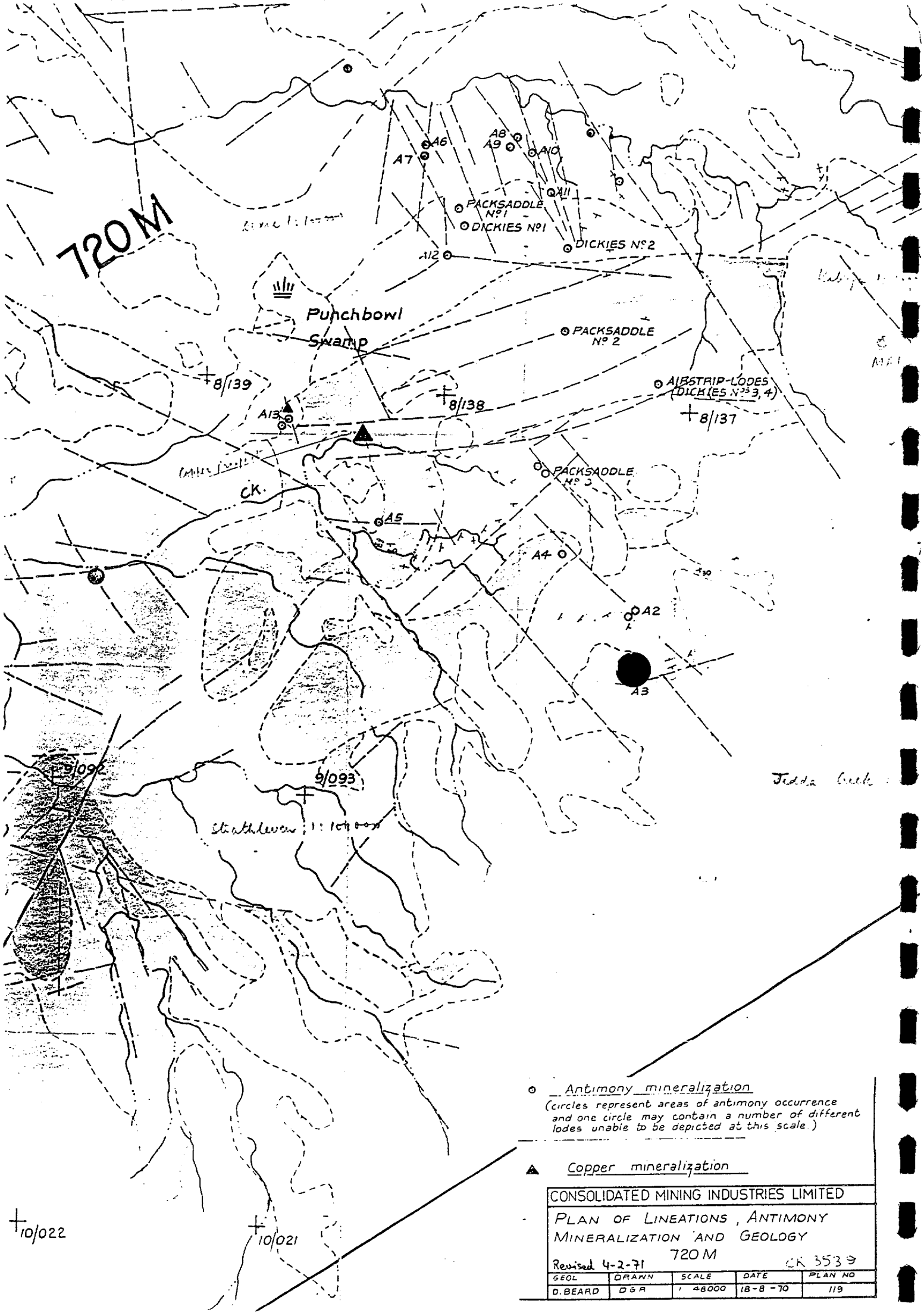
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720 M

Revised 4-2-71

CR 353 9

GEOL	DRAWN	SCALE	DATE	PLAN NO
D. BEARD	D G R	1 48000	18-8-70	119

DATA SHEET 3

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 3 REFERENCE NUMBER:706811

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 770600 mE, 8281100 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: JEDDA CREEK 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 15.5km SSE of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

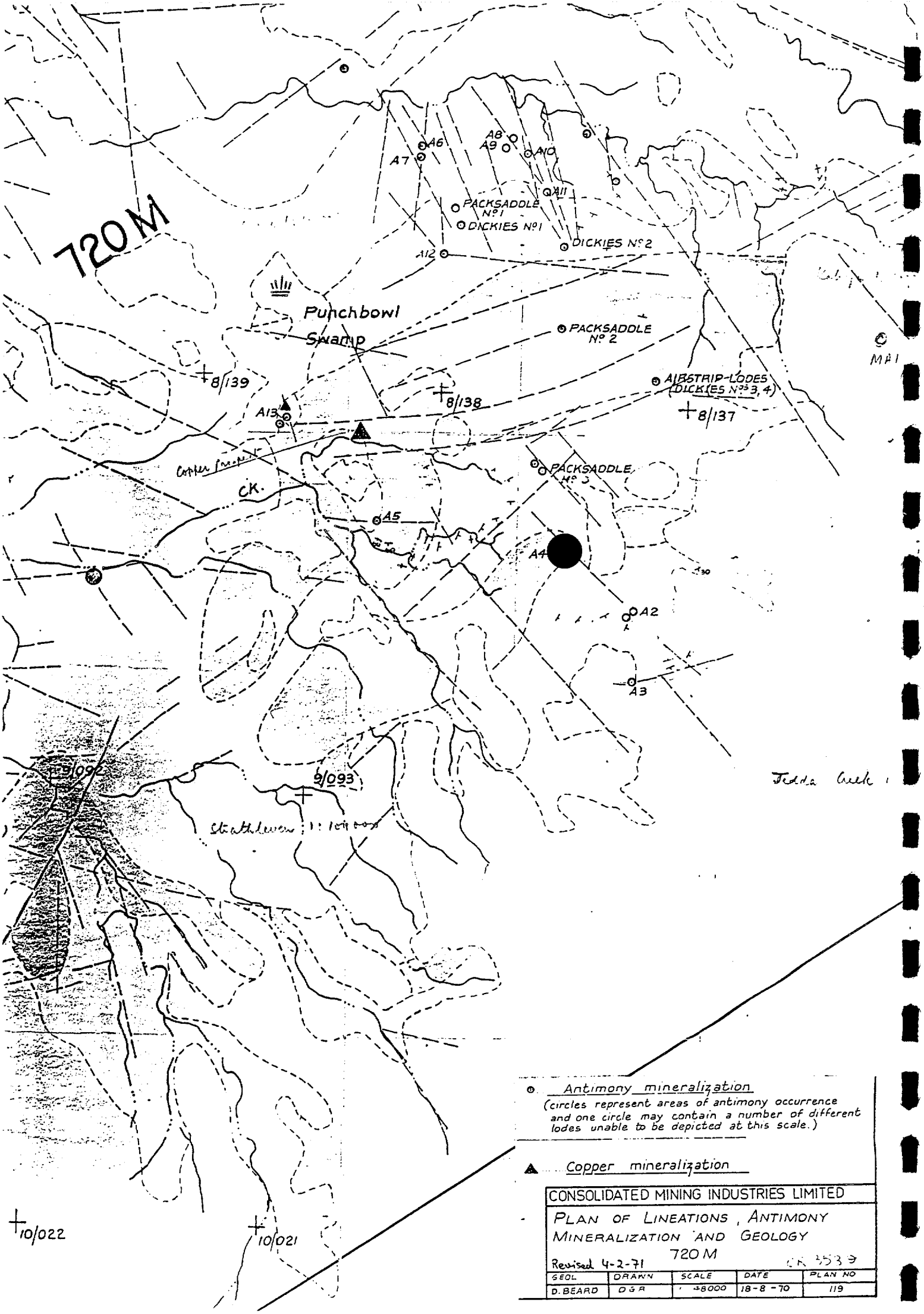
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A6
A7
A8
A9
A10
A11
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
A12
Punchbowl Swamp
PACKSADDLE No 2
MAI
8/139
8/138
8/137
AIRSTRIP-LODES (DICKIES No's 3, 4)
A13
Copper Mount
CK.
PACKSADDLE No 3
A5
A4
A2
A3
9/092
9/093
Strathlewen
Jedda Creek
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
GEOL D. BEARD
DRAWN D G R
SCALE 1" = 8000'
DATE 18-8-70
PLAN NO 119

DATA SHEET 4

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 4 REFERENCE NUMBER: 694831

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 769400 mE, 8283100 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: JEDDA CREEK 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 12km SSE of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

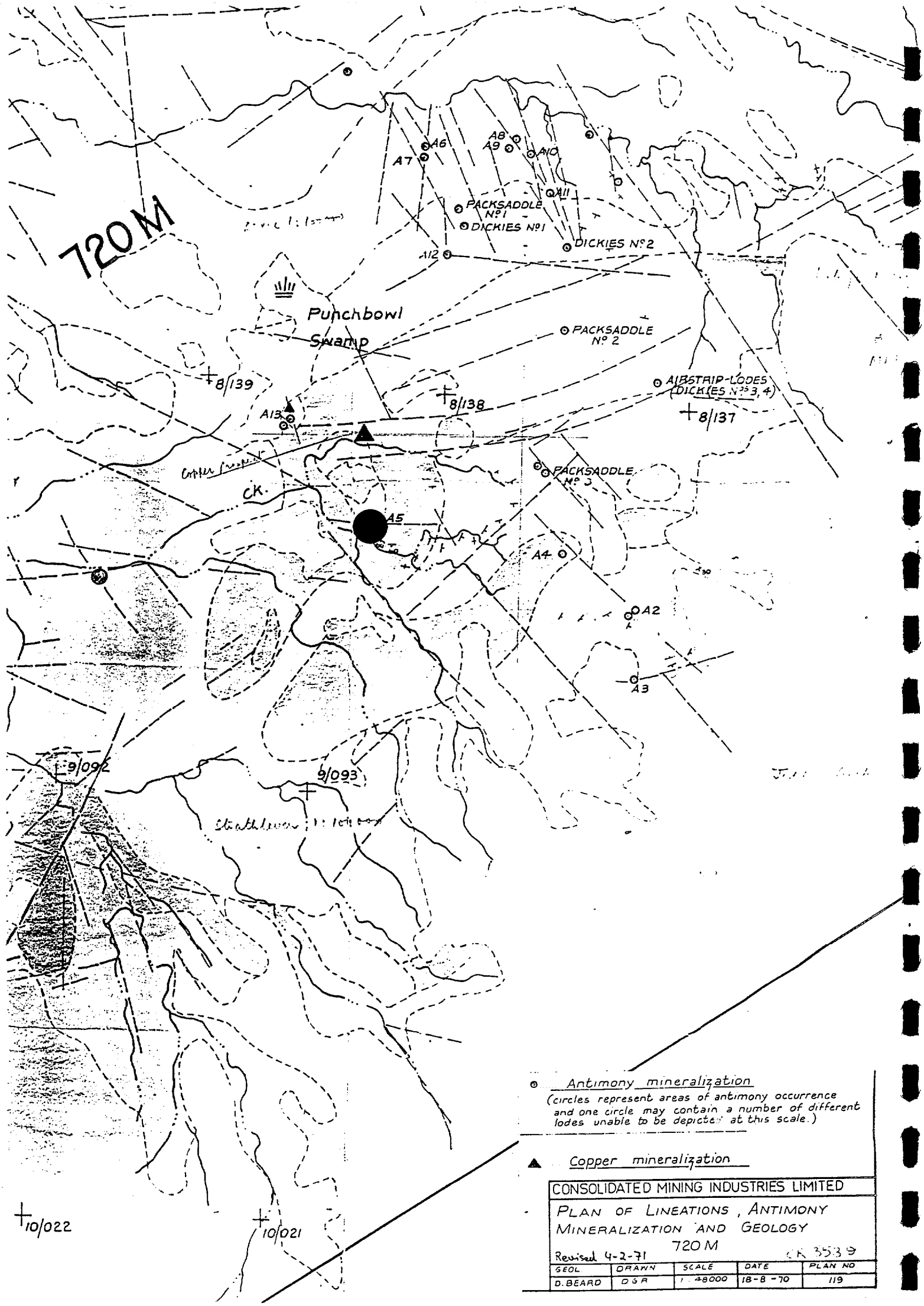
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



⊙ Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

▲ Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71 CR 3539

GEOL	DRAWN	SCALE	DATE	PLAN NO
D. BEARD	DGR	1" = 800'	18-8-70	119

DATA SHEET 5

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 5 REFERENCE NUMBER:665835

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 766500 mE, 8283500 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: STRATHLEVEN 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIV.RANGE/N "The Desert"
LOCALITY.....: 13km SSW Killarney Hst/ 11.2km N of Kimba
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 0.8m max.wide .

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....: Q.

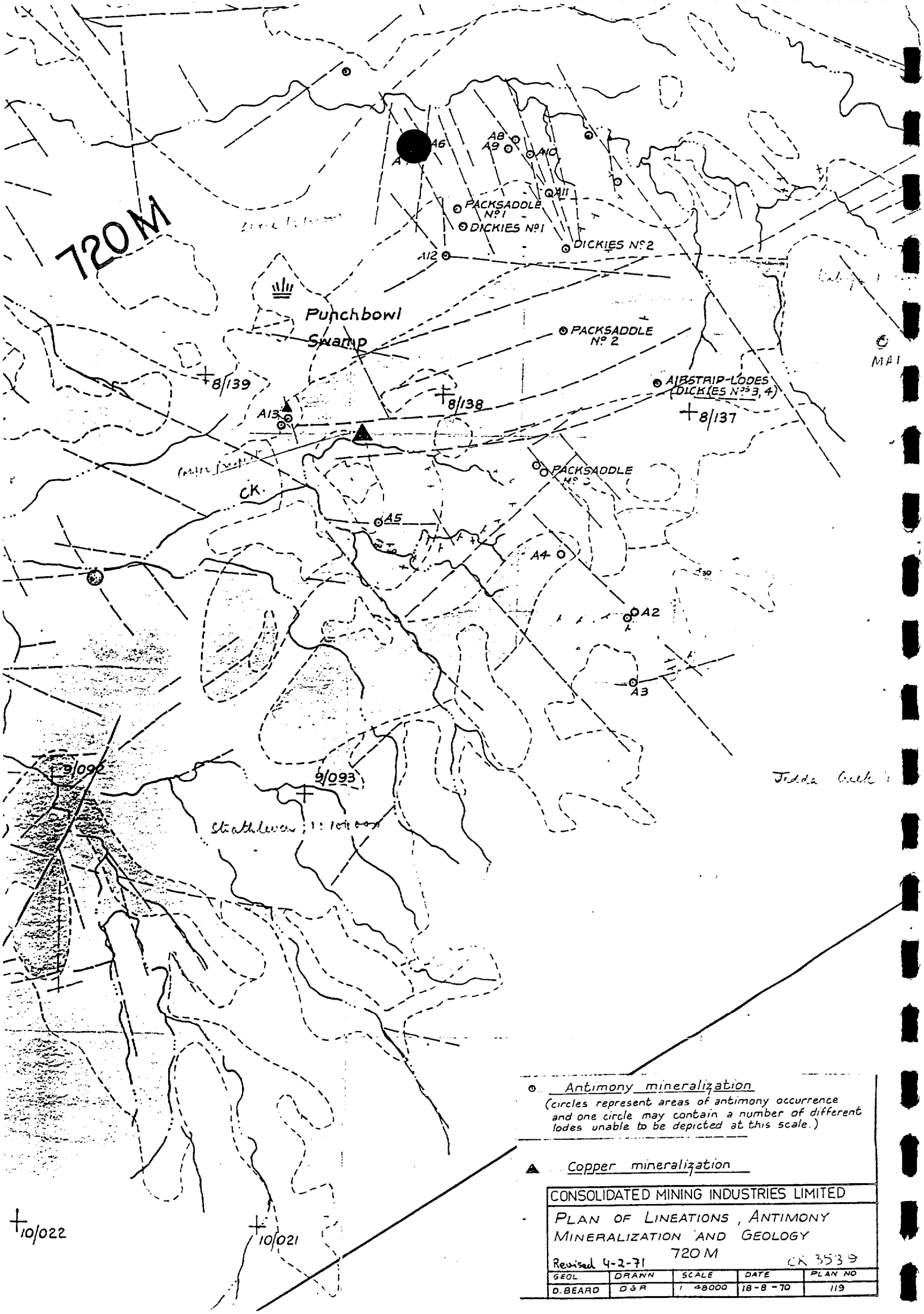
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A6
A7
A8
A9
A10
A11
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
A12
Punchbowl Swamp
PACKSADDLE No 2
MA1
AIRSTRIP-LODES (DICKIES No 3, 4)
8/139
8/138
8/137
A13
PACKSADDLE No 3
CK.
A5
A4
A2
A3
9/092
9/093
Strathlewan
Tidda Creek
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 3539
GEOL D. BEARD
DRAWN D & R
SCALE 1 : 8000
DATE 18-8-70
PLAN NO 119

DATA SHEET 6

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 6 REFERENCE NUMBER:670896

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 767000 mE, 8289600 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 3.6km SSW of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

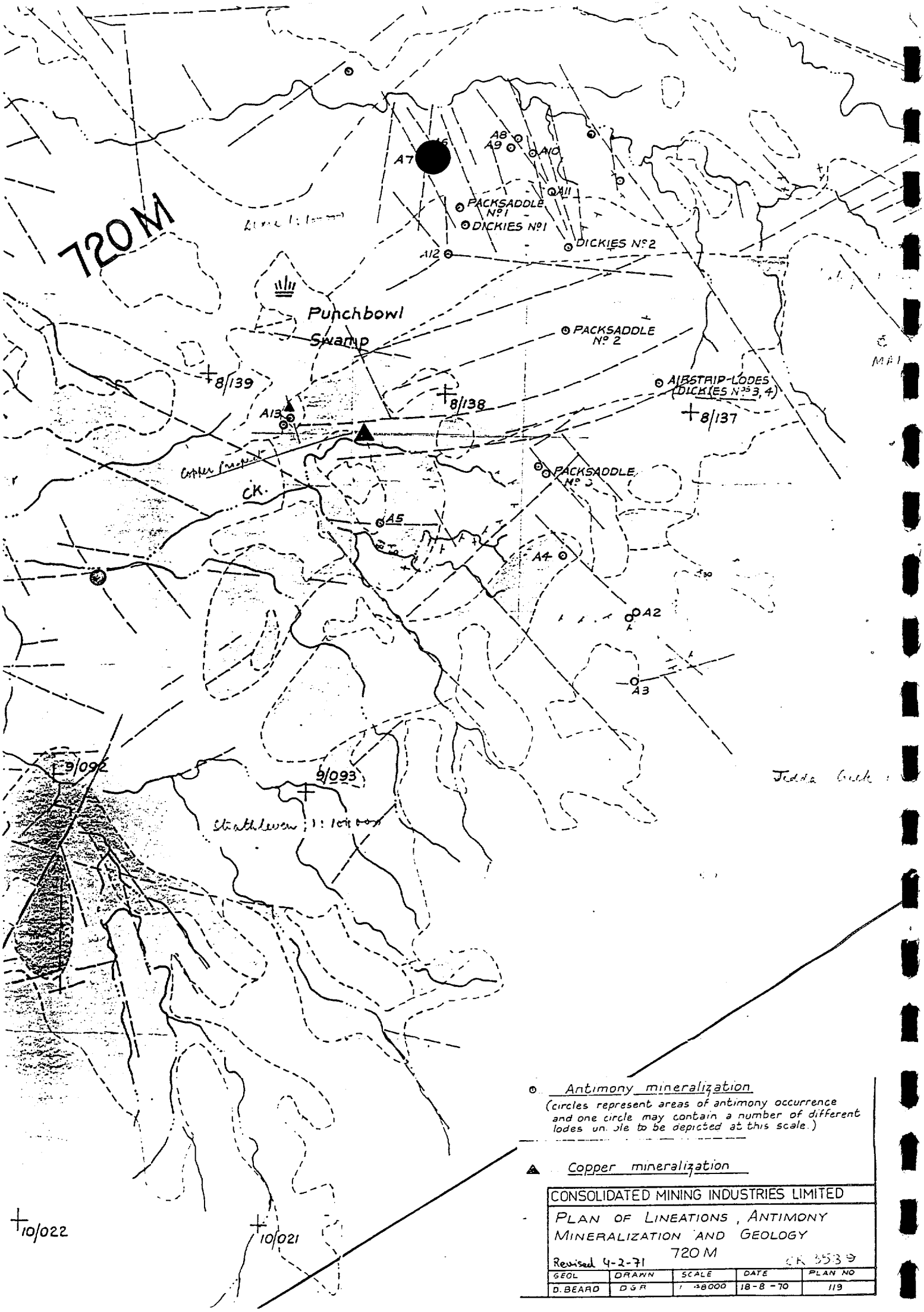
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A7
A8
A9
A10
A11
A12
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
Punchbowl Swamp
PACKSADDLE No 2
AIRSTRIP-LODES (DICKIES No 3, 4)
8/139
8/138
8/137
A13
Copper Prospect
CK.
PACKSADDLE No 3
A5
A4
A2
A3
9/092
9/093
Strathleven
Jedda Creek
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CK 3539
GEOL D. BEARD
DRAWN DGR
SCALE 1 : 8000
DATE 18-8-70
PLAN NO 119

DATA SHEET 7

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 7 REFERENCE NUMBER:670894

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 767000 mE, 8289400 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 3.5km S of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

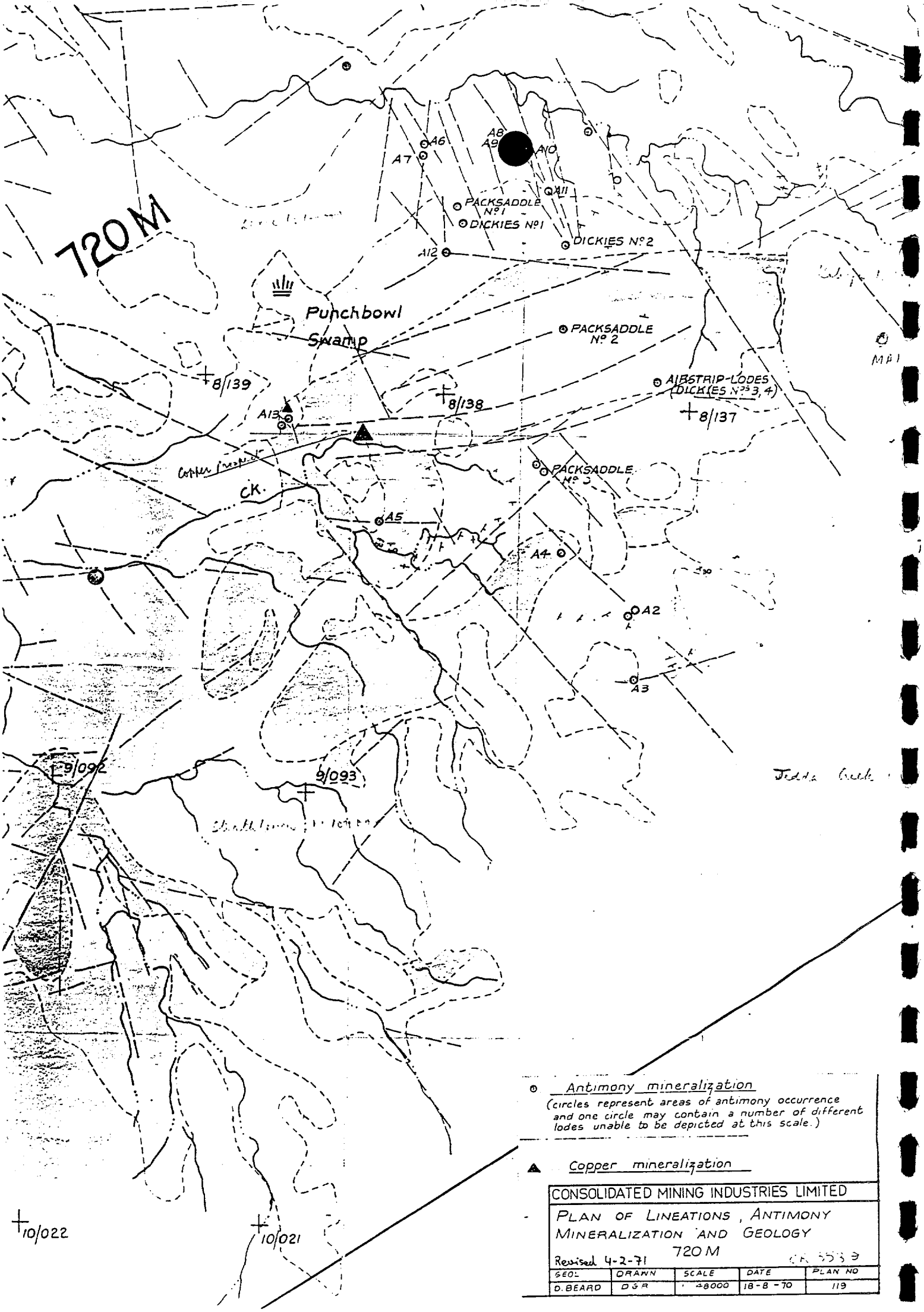
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



⊙ Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

▲ Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71

GEOL	DRAWN	SCALE	DATE	PLAN NO
D. BEARD	D & R	1:8000	18-8-70	119

DATA SHEET 8

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A 9 REFERENCE NUMBER:681893

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 768100 mE, 8289300 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 3.7km S of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

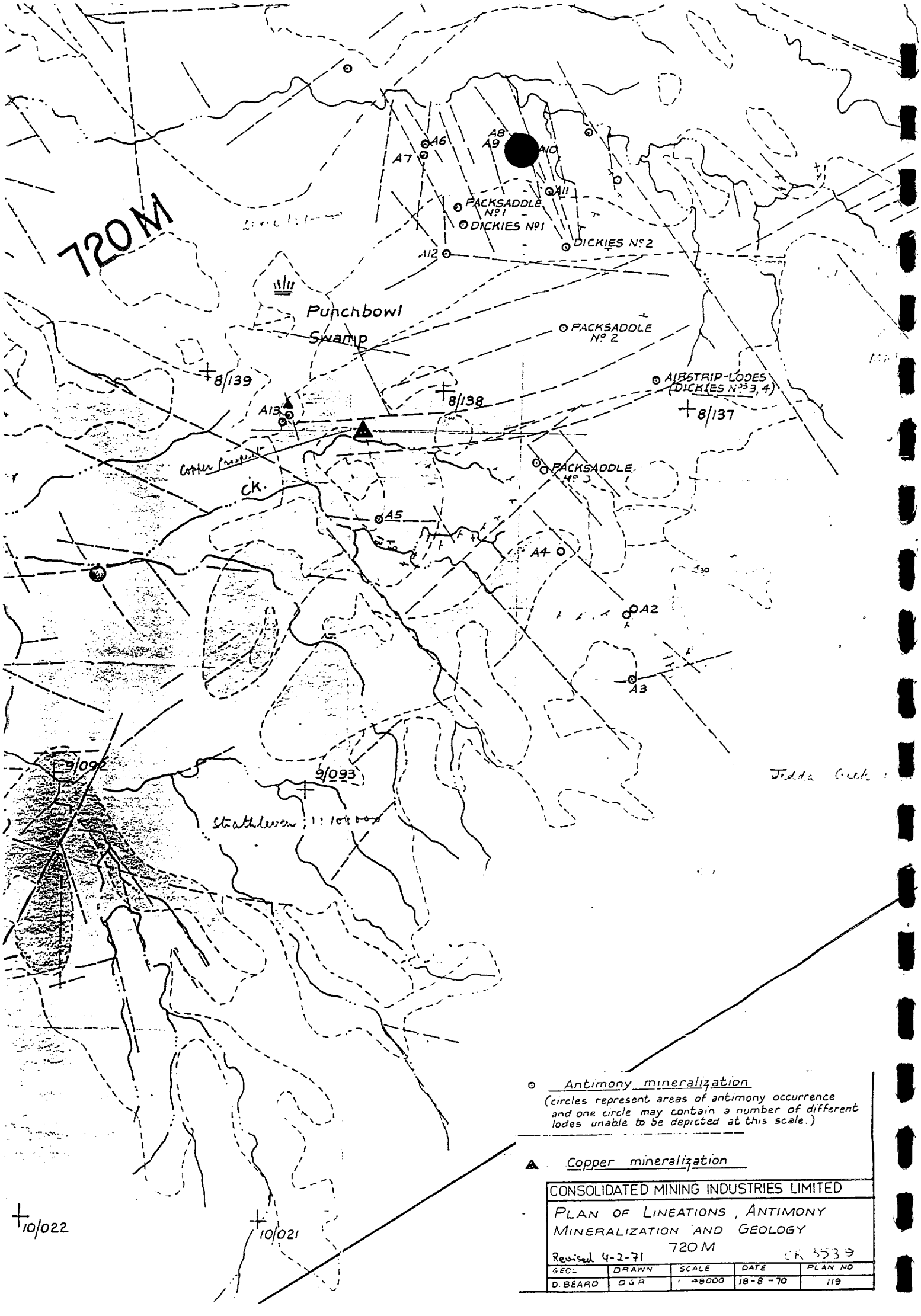
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



⊙ Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

▲ Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71 CR 5539

GEOL	DRAWN	SCALE	DATE	PLAN NO
D. BEARD	D G R	1" = 800'	18-8-70	119

DATA SHEET 9

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A10 REFERENCE NUMBER:686892

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 768600 mE, 8289200 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HAAN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Dividing Range
LOCALITY.....: 3.8km SSE of Killarney landing ground.
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

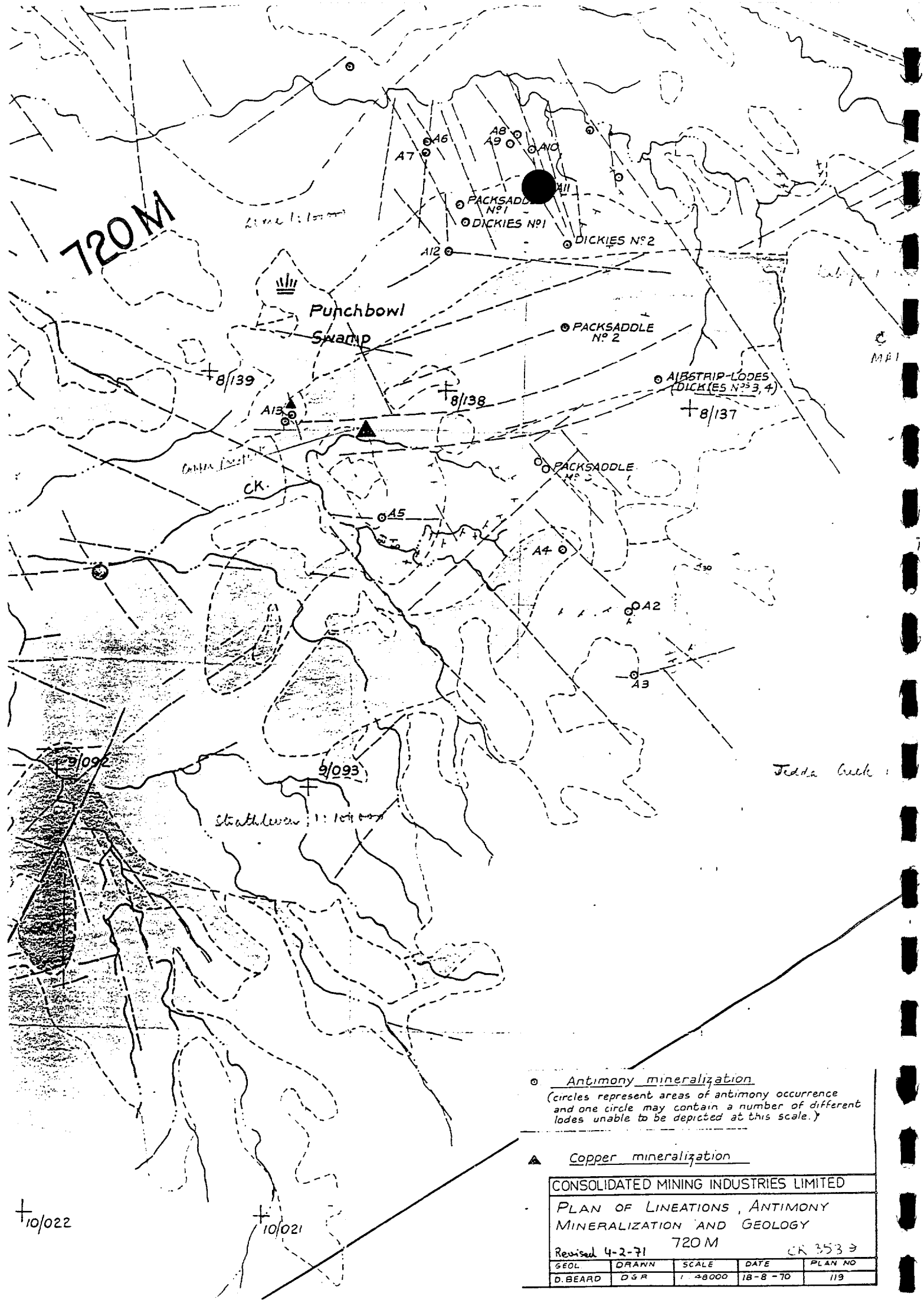
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. ORE TEXTURES....:
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q. ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A6
A7
A8
A9
A10
A11
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
A12
Punchbowl Swamp
PACKSADDLE No 2
AIRSTRIP-LODES
DICKIES No 3, 4
8/139
8/138
8/137
A13
CK.
PACKSADDLE
A5
A4
A2
A3
9/092
9/093
Stathlewan
Jedda Creek
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 353 ∋
GEOL D. BEARD
DRAWN D G R
SCALE 1 : 8000
DATE 18-8-70
PLAN NO 119

DATA SHEET 10

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A11 REFERENCE NUMBER: 687887

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 768700 mE, 8288700 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Dividing Range
LOCALITY.....: 4.5km SSE of Killarney landing ground.
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

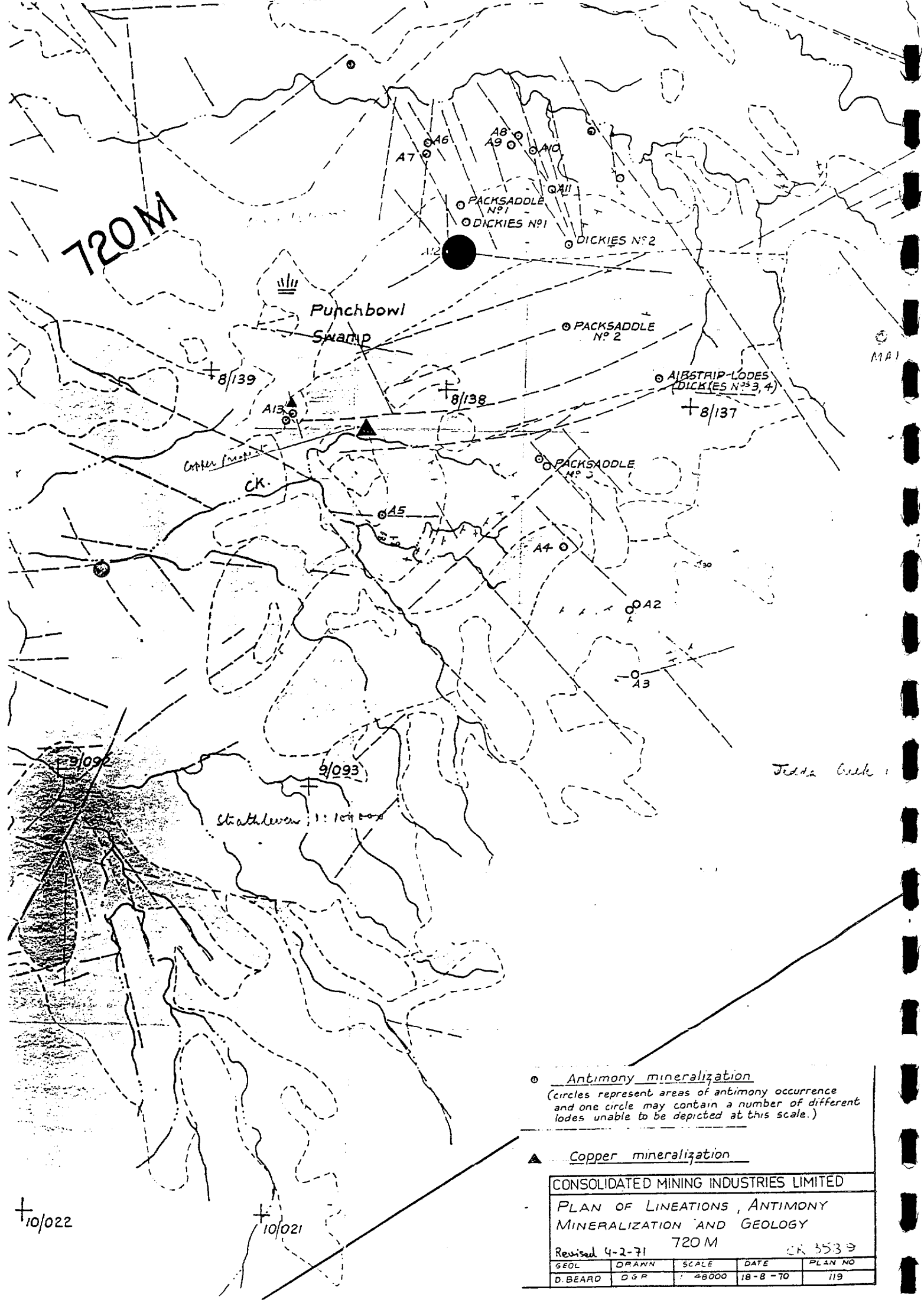
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A7
A6
A8
A9
A10
A11
A12
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
Punchbowl Swamp
PACKSADDLE No 2
AIRSTRIP-LODES (DICKIES No 3, 4)
MA1
8/139
8/138
8/137
A13
Copper Creek
CK.
PACKSADDLE No 3
A5
A4
A2
A3
9/094
9/093
Strathdevon 1:100,000
Judds Creek
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 353
GEOL D. BEARD
DRAWN D G R
SCALE 1:4800
DATE 18-8-70
PLAN NO 119

DATA SHEET 11

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A12 REFERENCE NUMBER:671877

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 767100 mE, 8287700 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Dividing Range
LOCALITY.....: 5.5km SSW of Killarney landing ground.
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

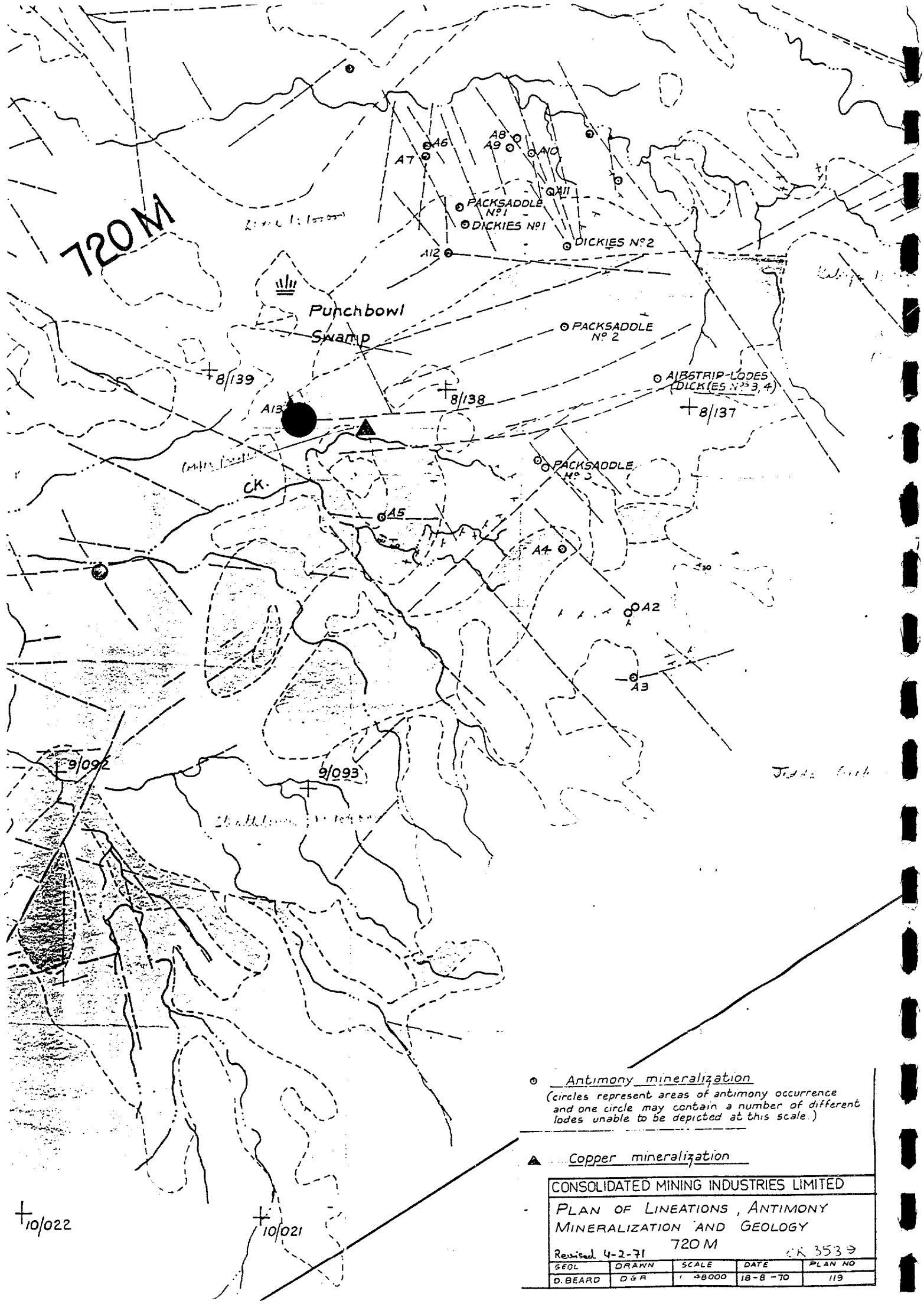
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. ORE TEXTURES....:
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q. ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


720M
A6
A7
A8
A9
A10
A11
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
A12
Punchbowl Swamp
PACKSADDLE No 2
AIRSTRIP-LODES (DICKIES Nos 3, 4)
8/139
8/138
8/137
A13
PACKSADDLE No 3
CK.
A5
A4
A2
A3
9/092
9/093
10/022
10/021
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CK 3539
SEOL | DRAWN | SCALE | DATE | PLAN NO
D. BEARD | D&R | 1" = 8000 | 18-8-70 | 119

DATA SHEET 12

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: A13 REFERENCE NUMBER:651850

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 765100 mE, 8285000 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Div.Range/N "The Desert"
LOCALITY.....: 8.5km SSW of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS:
GANGUE .....: Q.

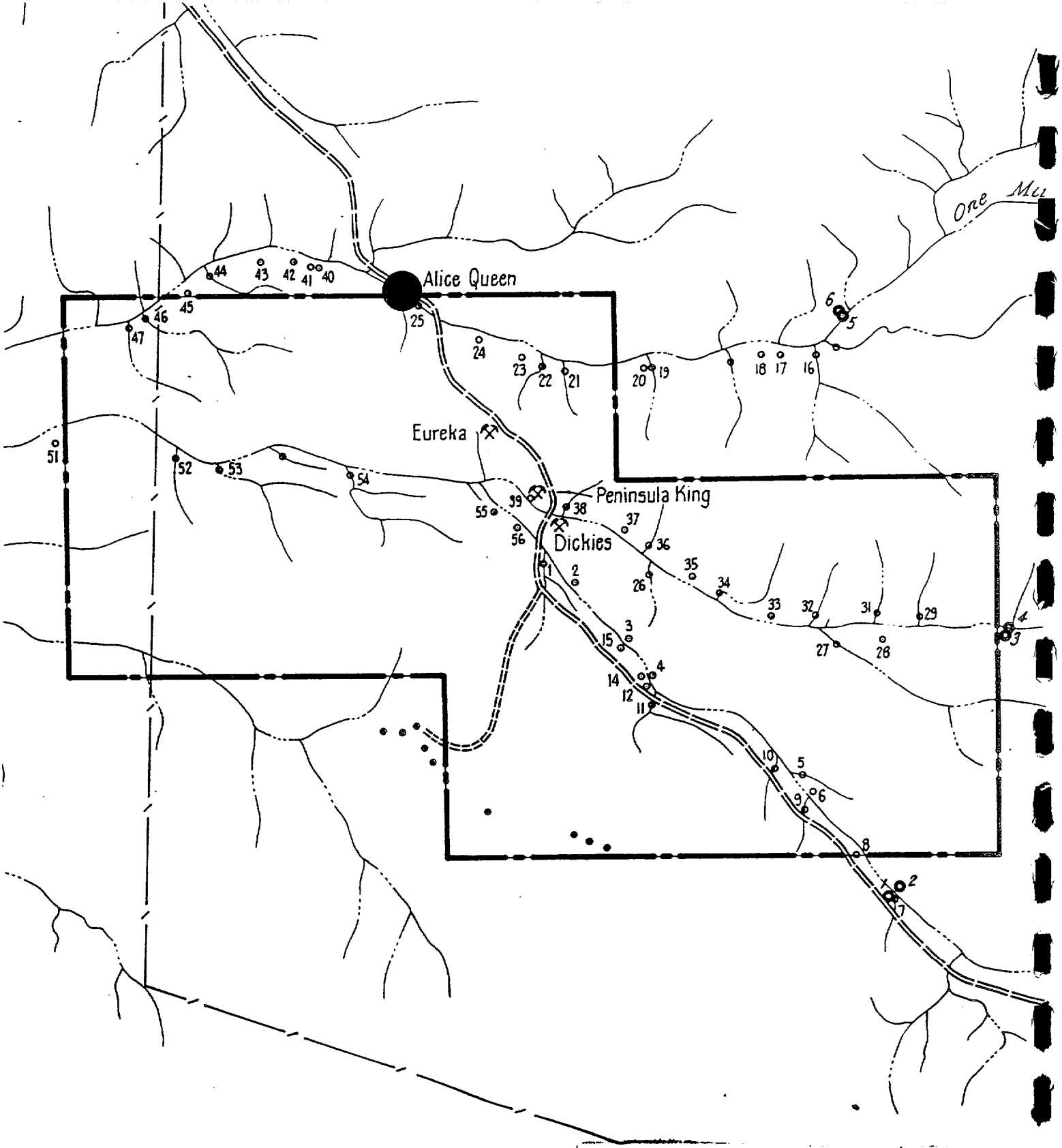
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



CR 8706 /CR 3059

CSR LIMITED-MCD

A to P 2605M ALICE RIVER NTH. QLD.

SAMPLE LOCATION PLAN

SCALE	: 1 50,000	DRG. No.
DRAWN	: K M K / P R	D 5416 – 1
DATE	: March '81	

DATA SHEET 13

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Alice Queen **REFERENCE NUMBER:450924**

COMMODITIES ....: GOLD,ANTIMONY
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: DAM/FVG 04/04/90
METHOD OF WORKING..: Underground, Pit(s), 2 Shaft(s).
EXTENT OF WORKINGS: DEPTH: 30.0 m,
AMG GRID REFERENCE.: 745000 mE, 8292400 mN.
AMG SOURCE/ACCURACY: CR 3059/ 100m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....: ALICE

GENERAL AREA.: S COLEMAN RIVER
LOCALITY.....: 5.5km ENE of junction "One Mile Ck." and "Dickies Ck."
LOCALITY ACC.: CR 3059/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 520M; 1970; ABGIJKabcdefhil,5[Ag,Cu,Ni,Pb,Sb,W,Zn], reef ore; CSR LTD; AP 2605M; 1980; Aabcdek,0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE: Adamellite, schist.
HOST ROCK AGE : MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 4000.0m max.long . FAULT/OREBODY; Strike 170deg/Unknown dip.

FORM/TYPE .....: Veins, Breccia-fill.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

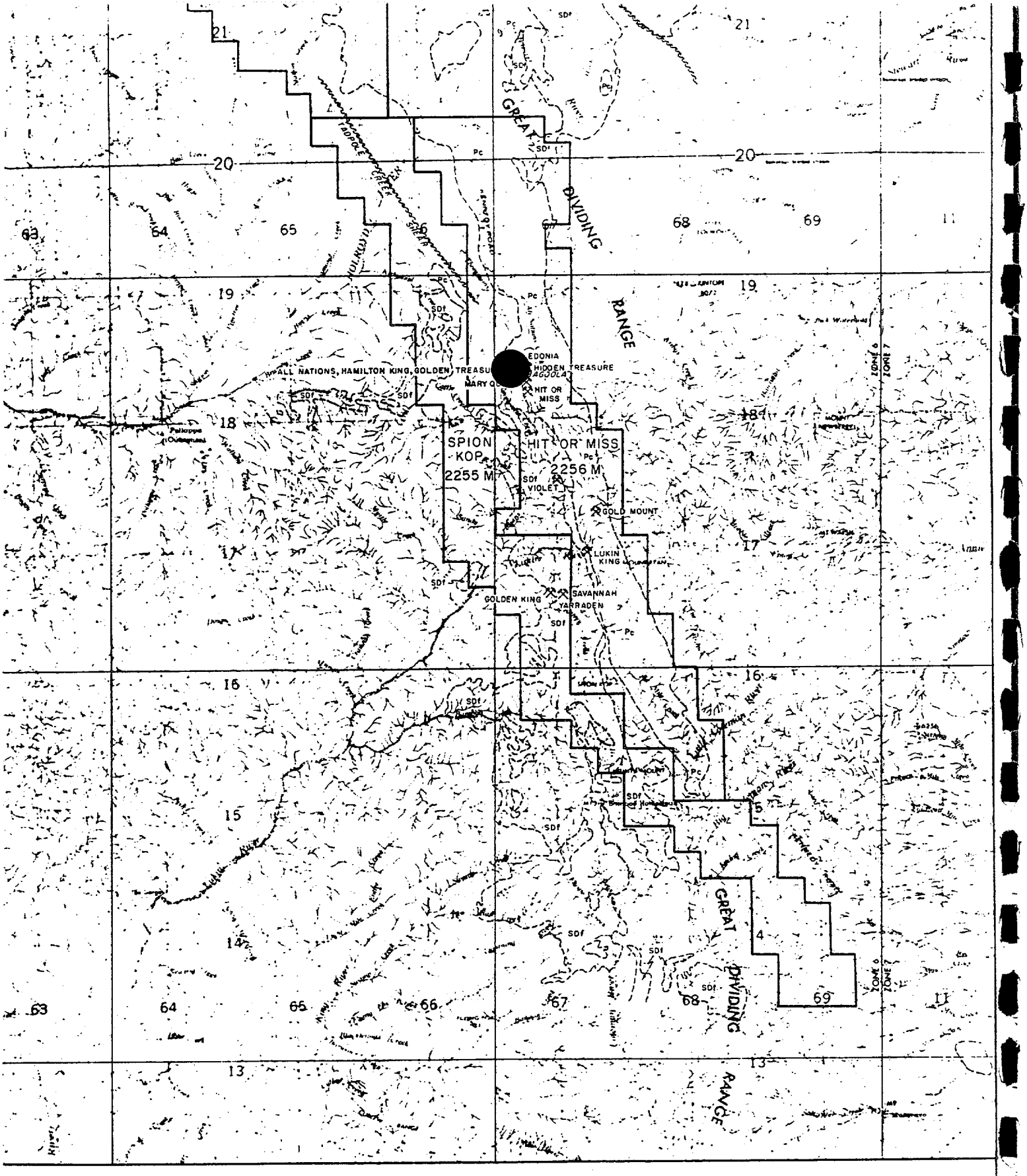
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification.

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : GAL,ASPY
SECONDARY MINERALS:
GANGUE .....: Q **ORE GRAIN SIZE..:**

ORE GENESIS:

REMARKS....: #DD Alice River min. occurs in Q-reefs following strong fault zone through granite trending NNW/SSE (350; traceable up to 4 km to the S). #AL Fault zone shows shows strong brecciation, mylonitisation and late silification. #M1 Previous workings for Au. #MN Presence of sulphides, mainly GAL, ASPY. #M2 Minor alluvial Sn, but of no economic value, because of limited extend.

REFERENCES.: Dickie, J.(1900);Cameron, Walter E.(1906);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3059);CONSOLIDATED MINING IND LTD(1972, QDRI unpublished company report CR 4400); CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company repCONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3507);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3826);CSR LTD(1980, QDRI unpublished company report CR 8706);CSR LTD(1980, QDRI unpublished company report CR



CR 8122

C R A EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT TADPOLE CREEK 2252 M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M. LOCALITY MAP.		
Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist A. D. B	Scale. 1:250 000	Drawn J. W.
Report No. 10163	Date. August, 1980	Plan No. Qm 1356

DATA SHEET 14

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET-

NAME(S).....: All Nations {Hit or Miss Line} (Page 1 of 2) REFERENCE NUMBER:439173A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS: LENGTH: 360 m,
AMG GRID REFERENCE.: 743900 mE, 8417300 mN.
AMG SOURCE/ACCURACY: CR 8122/ 100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: EBAGOOLA

GENERAL AREA.: Great Dividing Range
LOCALITY.....: ~0.6 km W of Ebagoola

LOCALITY ACC.: CR 8122/ + 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 502t ,
TOTAL PRODUCTION (METAL):38.0kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD, AP 2078M;1979; ABCIYbej,5[Pb,Cu,Zn,Sn,As,Co,Mo,Mn,Au,U],-;CRA EXPLORATION PTY LTD, AP 2257M; 1980; AIJOYbejhq,3, [Au,Ag,Pb,Zn,Cu,As],-; CRA EXPLORATION PTY LTD, AP 2252M/2255M/2256M; 1981; ACNOabcdefq,0, [Au,Ag,Pb,Zn,Cu,As],-;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 360.0m av.long x 3.0m max.wide . orebody; Strike 000deg/70deg dip to 090deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU,AG.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Sheared (vein) mineralisation.

REMARKS....: #DDThis mine belongs to the northern part of the Hamilton goldfield, the Ebagoola gold workings. Outcrop is poor. #GMAu-min. localised in narrow Q-veins within a sequence of SER-FS-Q-MUS-SILL schist and gneiss. #ALSER, minor CHL and PY alteration occurs immediatly surrounding the Q-veins (not more than 1-3m into country rock). #PRPast mining grade reported to be as high as 30 to 60g Au/tonne. #DDThe Ebagoola goldfield consists of a number of small workings in three separate, roughly parrallel lines stiking NNW (Caledonian L., Hit or Miss, Eastern L.; Distance between lines is 350 to 400m). #M1Hit or Miss L.: 3 lines of workings (along strike 2300m). Rock samples: <25ppm Au. Assoc.As values +105ppm ("C"Horizon). A MUS-Q-FS schist assayed 0.1-0.75ppm Au.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);

NAME(S).....: All Nations (Hit or Miss Line) (Page 2 of 2)

REFERENCE NUMBER:439173B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#M1Scattered workings occur over 360 m. Exposure is poor and spoil consists of variations of SER-MUS-Q-FS rock. #ALCHL alteration is absent. #PRAu values from trace to 3.5 ppm. #MNQ-veins, 2-4 cm wide parallel to banding are common. One 10cm x 10cm tremolite cobble observed within schist (metamorphosed clay ball?). Small scale folding indicated. Downstream, past the projected position of workings, the rocks grade into SILL-bearing schist and gneiss in which 1cm x 1cm blebs of chloritised GA are common.

REFERENCES CONTINUED.:

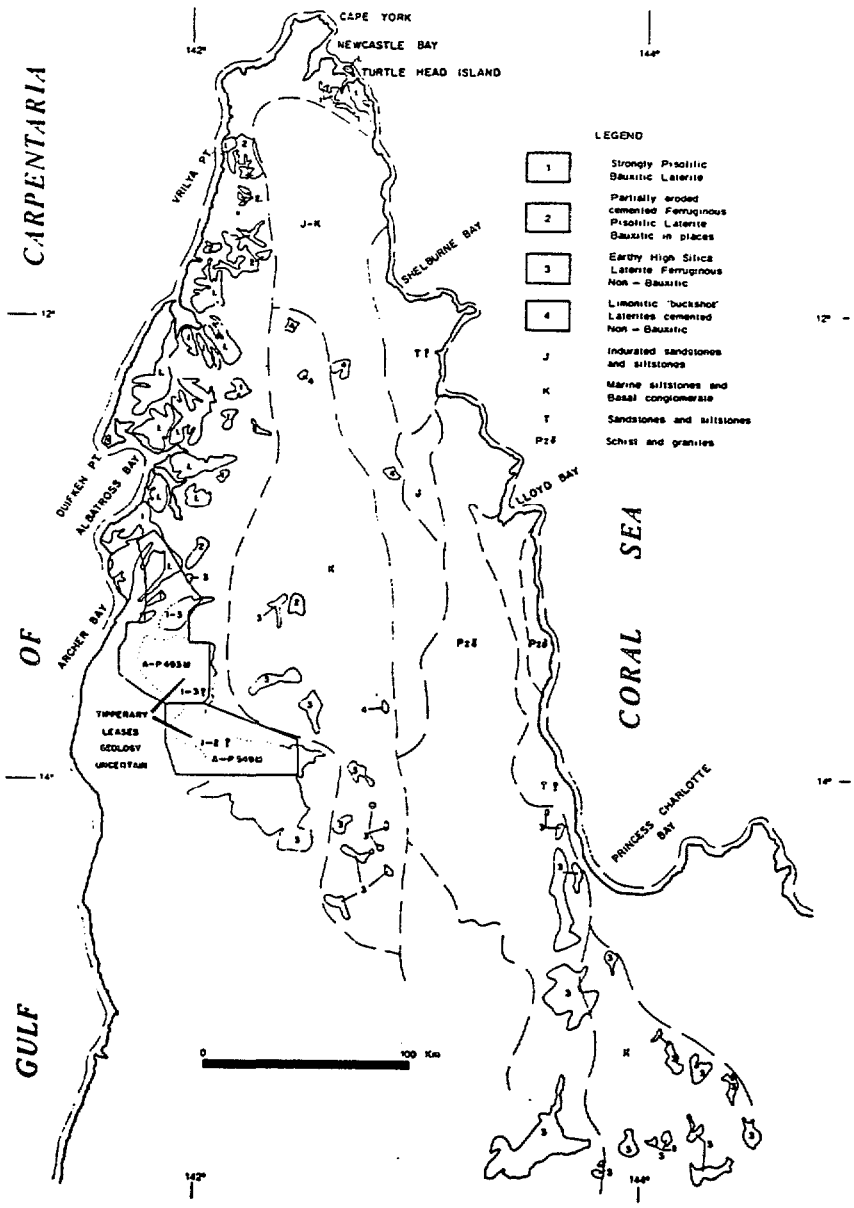


Fig. 1—Distribution of Tertiary laterite Cape York Peninsula, Queensland. (After I. G. Whitcher.)

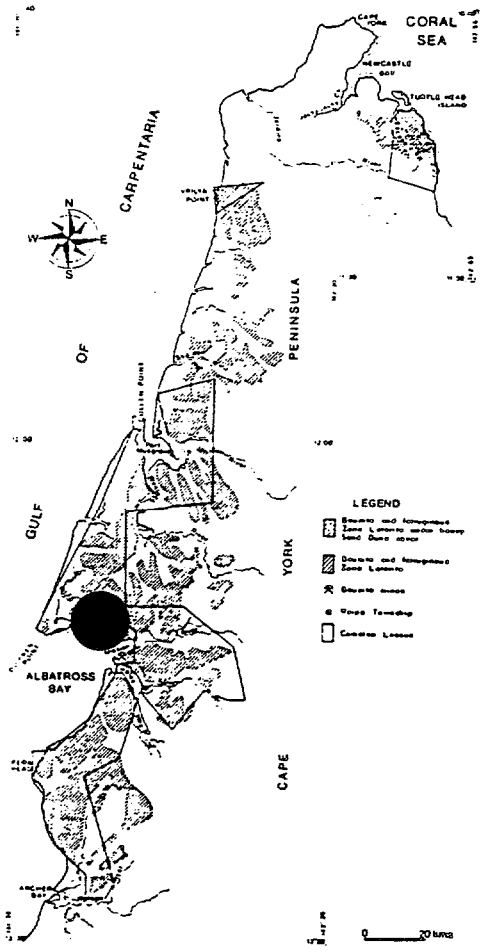


Fig. 2—Geological map Cape York Peninsula Queensland.

DATA SHEET 16

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Andoom (Page 1 of 2)

REFERENCE NUMBER:903136A

COMMODITIES ....: ALUMINIUM,KAOLIN
STATUS .....: Operating mine
SIZE.....:
RECORDED BY/DATE: FVG 05/06/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 590300 mE, 8613600 mN.
AMG SOURCE/ACCURACY: Topographical map Weipa 7272/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: WEIPA 7272
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: WEIPA/ NW of Mission River inlet
LOCALITY.....: 18km NW of Weipa Airstrip

LOCALITY ACC.: Topographical map Weipa 7272

MINING TENURE.....: SBML-1

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1963-1990
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:COMALCO

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2.4m av.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS, BHM
GANGUE .....: Q,KAO

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soils. BX is strongly pisolitic and generally loose to compact, pisolites are fawn to dark brown (1-20mm diameter). Matrix is red brown and sandy. Available alumina: As trihydrate:GBS or

REMARKS....: #M1Comalco's reserves of BX (and KAO) are within Special Bauxite Mining Lease No.1, Weipa. BX reserves, of 386 million tonnes recoverable ore proven and 3700 million tonnes probable, appear to be well in excess of Comalco's requirements. #PRproduction in 1988/89 was 9.3 million t beneficiated and 219 000 t calcined (25% of Australian production, value $206 million). Annual production capacity is 11 million t beneficiated BX and 250 000 t calcined. #DDWeipa deposits are situated on westsideof Cape York Peninsula and are part of an extensive Tertiary (Oligocene) aluminous laterite, which extent with minor erosional gaps for a distance of 350km from Vrilya Point to Holroyd River (area approx. 11000 km2). #MSBX occurs as flat lying to gently dipping surfac

REFERENCES.: Wolff, Kevin W.(1990);Evans, H.J(1975);

EVANS, H.J. (1975)

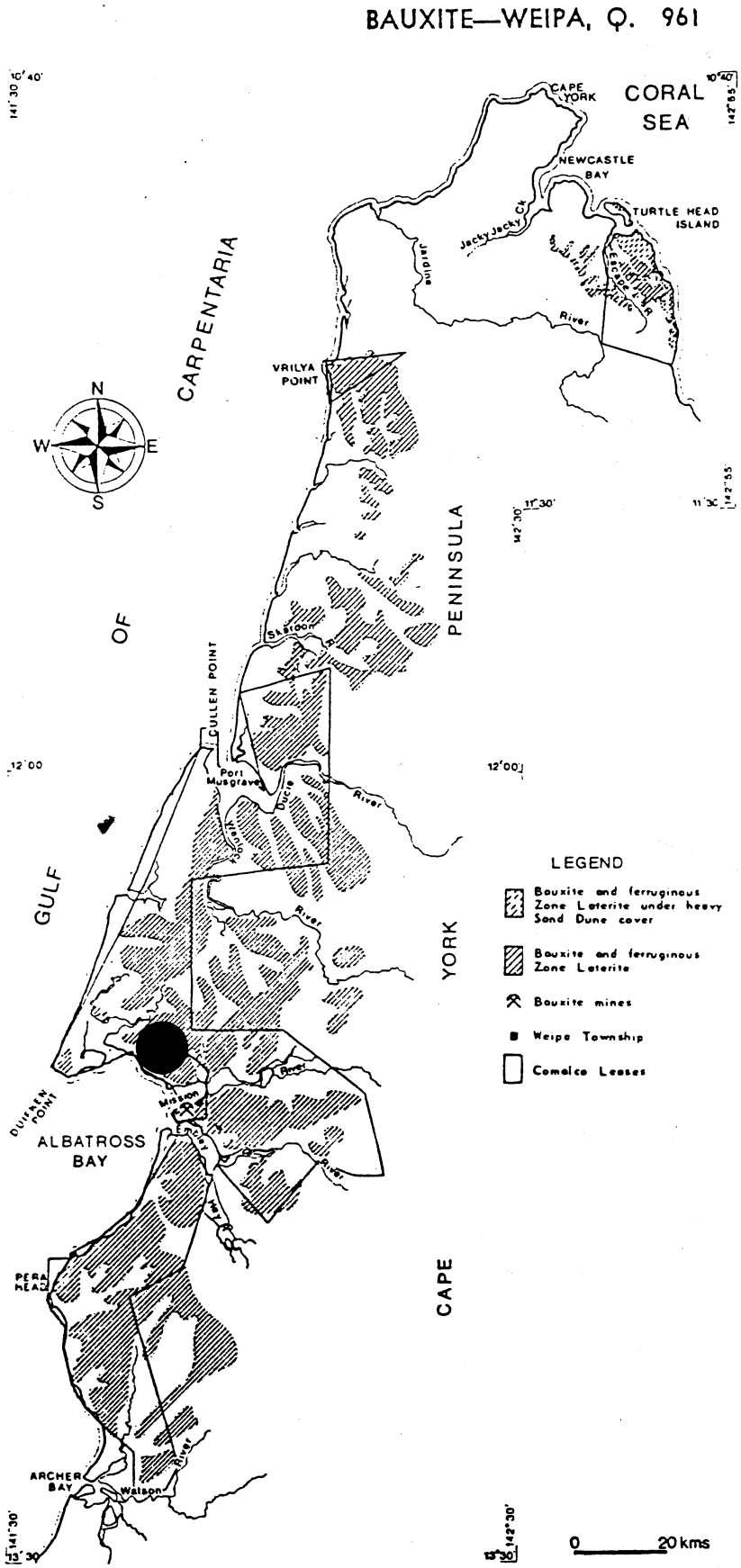


FIG. 2—Geological map Cape York Peninsula Queensland.

NAME(S).....: Andoom (Page 2 of 2)

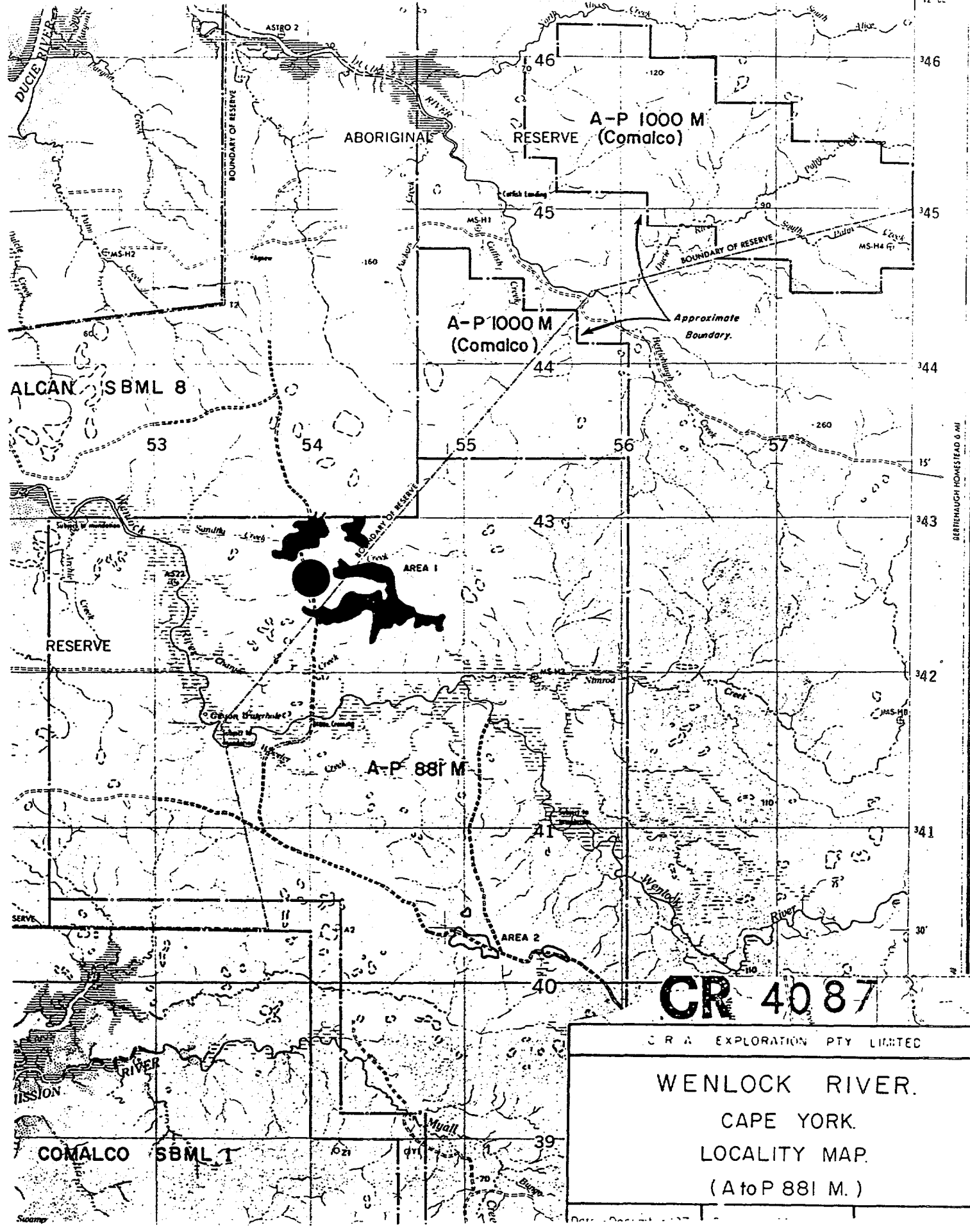
REFERENCE NUMBER:903136B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
as monohydrate: BHM. Silica content ranges from 1 to over 10% consisting of both combined silica and Q. Both low and high iron variations, the low iron type being mined at pres. for prod. of calcined BX.

REMARKS CONTINUED.:
#GMC.Y.Penin. comprises the N-end of a regional anticlinal trend, the Mesozoic and younger sed. being gently arched around a centre core of older basement. The aluminous laterite occurs mainly on western limb of the regional fold and is developed on arkosic sands, clays and siltstones of prob. Tertiary age. A rapid change inland from bauxitic to non-bauxitic laterite is observable (decrease of degree of laterisation and age are factors). #CM Alum. laterites are restricted to thicker Tertiray sediments close to present coastline. Preferential development of BX on Tertiary sed. could be due to topographic position and porosity/permeability. Av. thickness 2.4m with around 1m overburden. #M2Also see Grid Ref: 980000.

REFERENCES CONTINUED.:



CR 4087

C R A EXPLORATION PTY LIMITED

WENLOCK RIVER.

CAPE YORK.

LOCALITY MAP.

(A to P 881 M.)

DATA SHEET 18

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Area 1(Area A) REFERENCE NUMBER:319365

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 28/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 631950 mE, 8636500 mN.
AMG SOURCE/ACCURACY: CR 4087/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: AGNEW 7373
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: N of Upper Wenlock River
LOCALITY.....: 21.4km SSE of Agnew landing ground
LOCALITY ACC.: CR 4087/ 100m

MINING TENURE.....: SBML-8

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: CRA EXPLORATION PTY LTD(1972)estimat.Block A:34045000t @43.5%Al2O3,CRA EXPLORATION PTY LTD(1972)estimat.Block B:10280000t @45.9%Al2O3,CRA EXPLORATION PTY LTD(1972)estimat.Block C:1600000t @40.8%Al2O3,
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 881M; 1972; BCceluvo,0,[Al2O3,SiO2,TiO2,Fe2O3] weathered surface soil;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 4.0m max.vert.depth..

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,BHM
GANGUE .....:

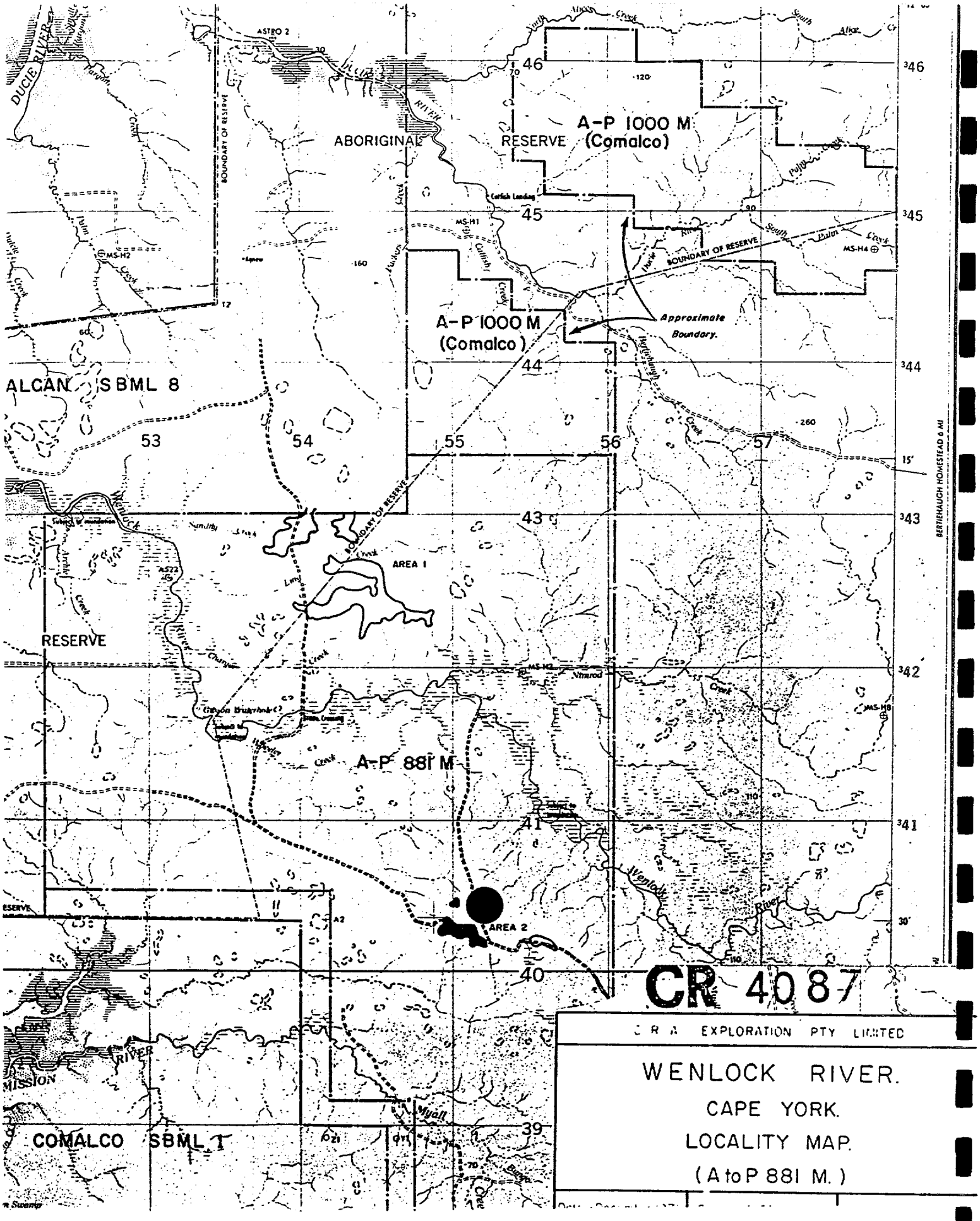
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Deep weathered surface soil (Trihydrate Al2O3).

REMARKS....: #DDThis locality is S extension of bauxite on Alcan's SBML-8. Erosional remnants of Weipa province laterite sheet (2). #MSLaterite is overlain by brown to red sandy soil and contains upper zone, the bauxite ore and lower zone, an ironstone (3). Bauxite thickness varies at Wenlock (0.7 to 4m). #MNBX consists of small pisolites ina fine grained red matrix. Pisolites are spherical and vary in diameter (2mm to 10mm). Colour generally red, may be yellow in depth (3). Generally the BX is not cemented, cemented zones do exist. #MSBX is overlain by average 0.7m overburden. BX varies in depth between 1-4m (3).

REFERENCES.: CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 4087);CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 4086);CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 4431); CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 3873);CRA EXPLORATION PTY LTD(1973, QDRI unpublished company report CR 5087);



C R A EXPLORATION PTY LIMITED

WENLOCK RIVER.

CAPE YORK.

LOCALITY MAP.

(A to P 881 M.)

DATA SHEET 19

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Area 2(Area B) REFERENCE NUMBER:375170

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 28/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 637550 mE, 8617000 mN.
AMG SOURCE/ACCURACY: CR 4087/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: YORK DOWNS 7372
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: S of Upper Wenlock River
LOCALITY.....: 27km NNW of York Downs on road Batavia Downs to Myerfield
LOCALITY ACC.: CR 4087/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: CRA EXPLORATION PTY LTD(1972)estimated reser:1420000t @41.5%Al2O3,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 881M; 1972; BCceluvo,0,[Al2O3,SiO2,TiO2,Fe2O3] weathered surface soil;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 4.0m max.vert.depth..

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,BHM
GANGUE .....:

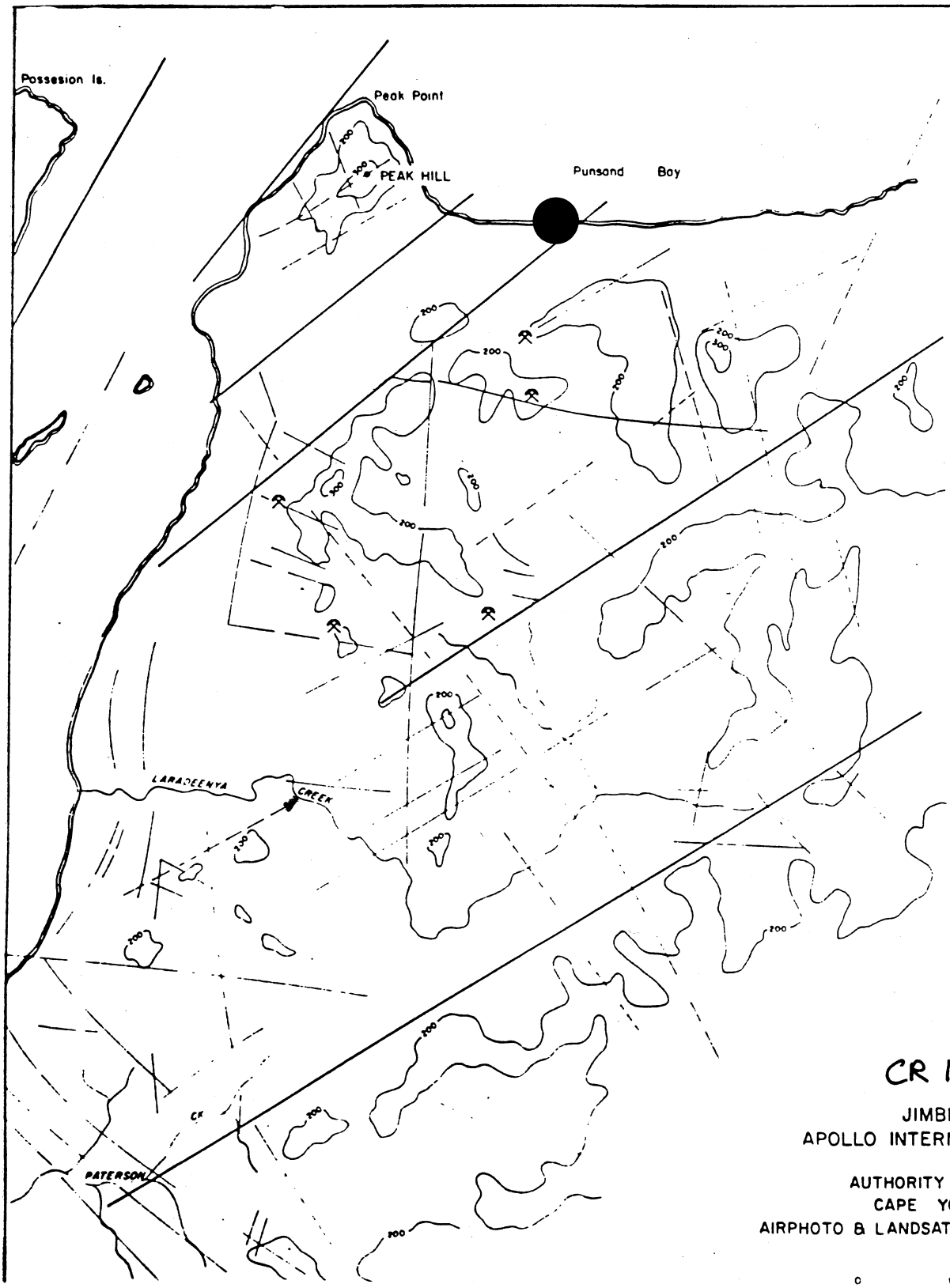
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Deep weathered surface soil (Trihydrate Al2O3).

REMARKS....: #DDErosional remnants of Weipa province laterite sheet (2). #MSLaterite is overlain by brown to red sandy soil and contains upper zone, the bauxite ore and lower zone, an ironstone (3). Bauxite thickness varies at Wenlock (0.7 to 4m). #MNBX consists of small pisolites ina fine grained red matrix. Pisolites are spherical and vary in diameter (2mm to 10mm). Colour generally red, may be yellow in depth (3). Generally the BX is not cemented, cemented zones do exist. #MSBX is overlain by average 0.7 overburden. BX varies in depth between 1-4m (3).

REFERENCES.: CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 4087);CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 4086);CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 4431); CRA EXPLORATION PTY LTD(1972, QDRI unpublished company report CR 3873);CRA EXPLORATION PTY LTD(1973, QDRI unpublished company report CR 5087);



LEGEND

Lineaments

Strong

Moderate

Weak

200 ft contour

Known primary mineralisation

North

CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

SCALE 1 50,000

0 1 2 3 MI

DATA SHEET 20

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET -

NAME(S).....: At Mullhollands House(Gibson's Prospect) (Page 1 of 2) REFERENCE NUMBER:592144A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..: 5 Trench(es).
EXTENT OF WORKINGS: DEPTH: 7.0 m,
AMG GRID REFERENCE.: 659200 mE, 8814400 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: E Peak Hill, Punsand Bay.
LOCALITY.....: 2.0km E Peak Hill

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-; CONSOLIDATED MINING IND.LTD; AP 716M; 1970; YUe, 5, [Sn] offshore,-;
TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands; minor silt.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 7.0m max.vert.depth..

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, (ZR),(IM),(MT),(RUT).
SECONDARY MINERALS:
GANGUE .....: Q,TOU.

ORE TEXTURES....:
ORE GRAIN SIZE..: Fine

ORE GENESIS: Alluvial deposits-placers with heavy minerals and ferruginous nodules and acid volcanic pebbles to boulders.

REMARKS....: #MSRecent residual and poor to moderately sorted transported sand and silt foramtions occupy drainage areas between the Palaeozoic acid volcanics. The sediments are composed of sands, clays, ferruginous nodules and acid volcanic pebbles to boulders. Of potential economic significance, the sands and gravels contain the heavy mineral IM, ZR, RUT, CST + TOU as concentrated products of weathered volcanics and associated min.. The sediments range in depth from negligible to in excess of 25 m (S of Laradenya Creek). At each location the sands are known to carry CST (1). The alluvials occupy the low ground within and adjacent to BOOTY and MAULA Cr. with h.min. concentration resulting from the weathering of neighboring rhyolites and prim. tin occurrances.

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

R9107804

NAME(S).....: At Mullhollands House(Gibson's Prospect) (Page 2 of 2) REFERENCE NUMBER:592144B

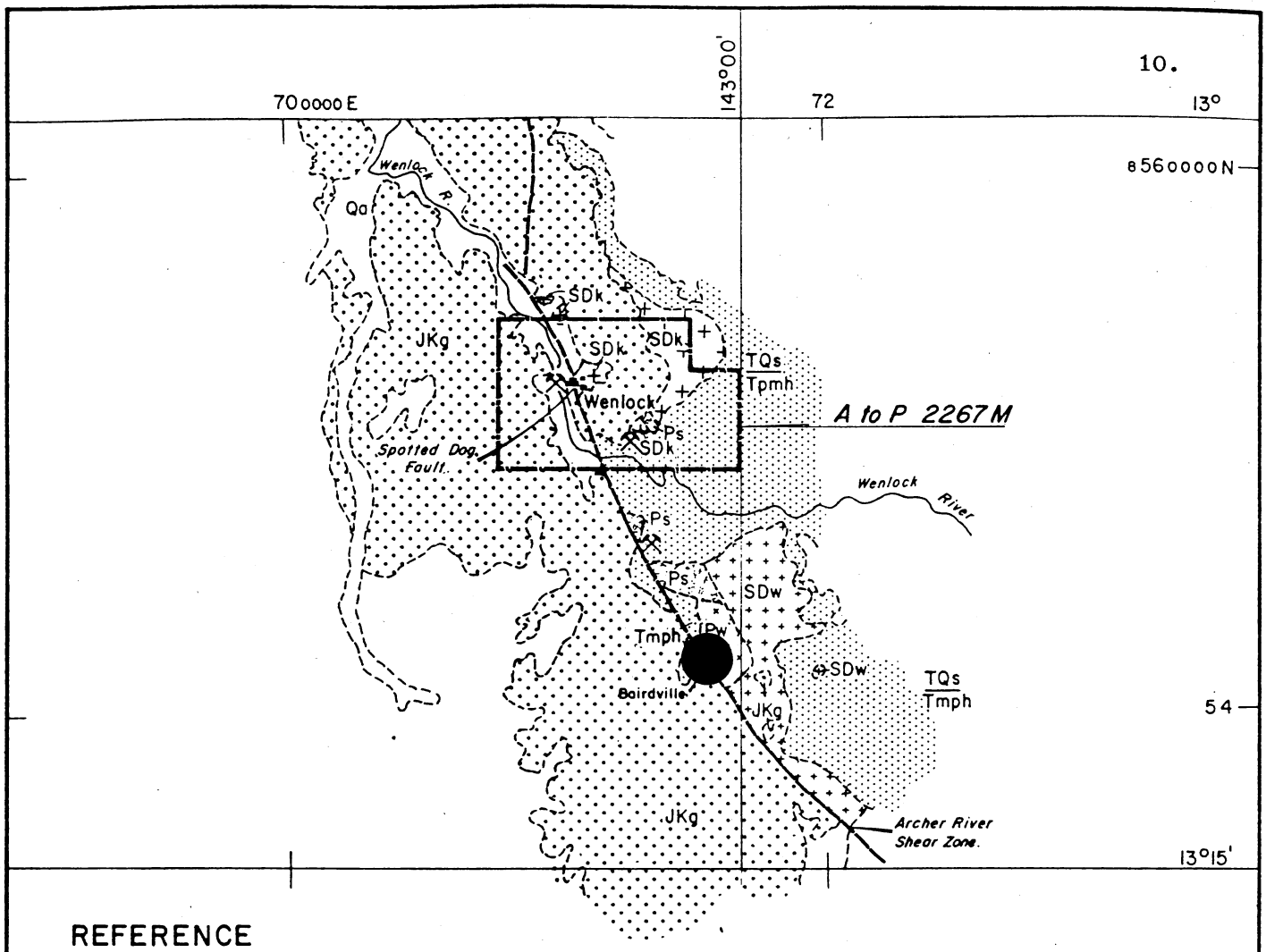
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

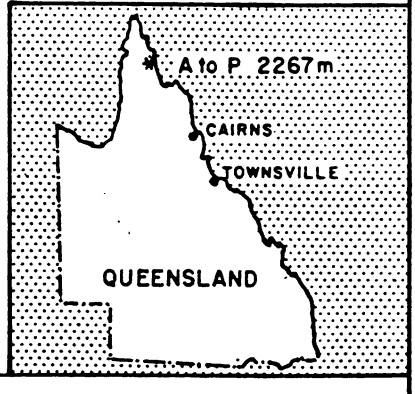
#MSDepth to basement contours = uneven with local infilled gullys and gutters. Alluvial depths range from 1-7 m (average 2.3m). Tin is present over the full vertical alluvial profile (dioscounts presence of "overburden"). Lateral sampling demonstrates higher tin grades within today creeks as a result of reconcentration within the drainage system (1,2). Durin processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). Estuary, coastal and beach sands are present near the fo reshore Punsand Bay carrying CST (1). #M1Five trenches were completed within the on-shore sand dunes neighbouring Punsand Bay near Mullhollands house. The tested alluvials are shallow and of lower tin grades than that at BOOTY-MAULA Cr. (1).

REFERENCES CONTINUED.:



REFERENCE

Qa	Alluvium		Prospect — Au
TQs	Quartzose sand , silt		Building
Tmph	Falloch Beds		Fault
JKg	Gilbert River Formation		Geological Boundary
Pw	Wolverton Adamellite		River
SDw	Wigan Adamellite		
SDk	Kintore Adamellite		
Ps	Sefton Metamorphics		



CR 10367 (A)

GOLD COPPER EXPLORATION LIMITED.

SCALE 1:250,000 0 5 10 15 km.

GEOL./SURV. R.G.W.

DRAWN. P.L.

DATE. 3·2·82.

CHECKED R.G.W.

'A to P 2267m WENLOCK'

GEOLOGICAL PLAN.

Report C. 82/8. Figure. 2.

REVISION	MAP REF.	PLAN No.
0	SD 54-8	WEN-067

DATA SHEET 22

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Bairdville (Page 1 of 2) REFERENCE NUMBER:152418A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/01/90
METHOD OF WORKING..: Underground, Shaft(s), Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 715200 mE, 8541800 mN.
AMG SOURCE/ACCURACY: CR 8693/Fig.2//CR 9074 + CR 10298/Fig.3/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK
GENERAL AREA.: S WENLOCK CREEK
LOCALITY.....: 1.1 km E of Point 271
LOCALITY ACC.: CR 10298/Fig.3/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPPER EXPLORATION LTD; AP 2267M; 1981; ABDEPQOTabdehkjfq, 0, -; GEOPEKO; AP 2859M; 1981; ECTabdy, 1, [Au,Ag,Zn,Cu,Pb,W,Sn], -;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION/WOLVERTON ADAMELLITE
HOST ROCK TYPE: Sandstones/ conglomerates.
HOST ROCK AGE : Late Jurassic - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 150deg/Unknown dip.

FORM/TYPE .....: Veins, Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....:

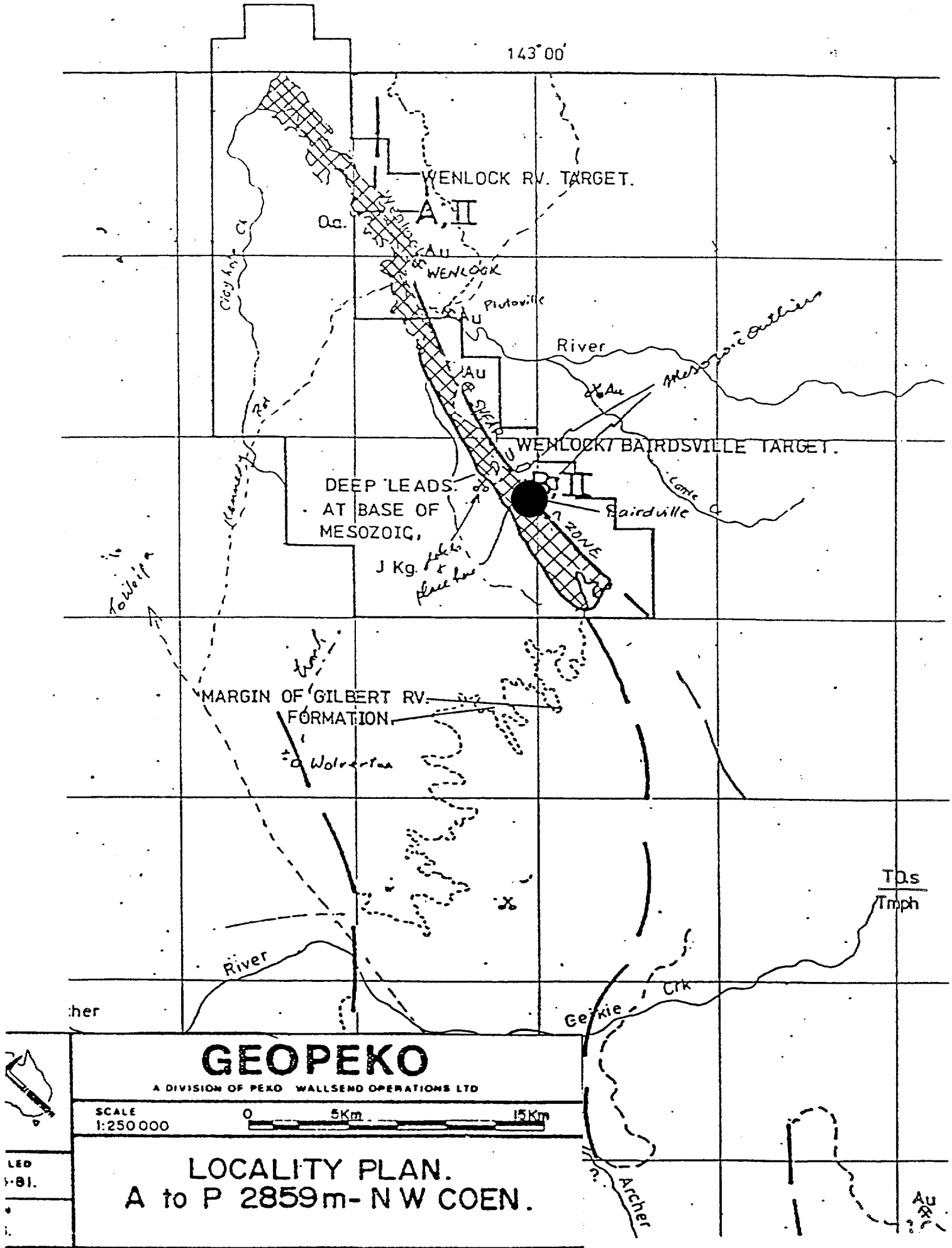
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Deep leads on contact to shear zone. The reef (Main Leader) consists of laminated blue and white buck Q carrying free Au and PY. Typical fissure reef, with sharply defined walls (evidence of fault movement)

REMARKS....: #CMTwo unusual features relevant to the Bairdville Deep leads were noted: (a) they are exposed without covering rocks, where they have been worked and (b) they are related to the small mesa-like outliers of Mesozoic rocks, rather than the main body of Mesozoics W of the scarp. The shearzone between Bairdville and Wenlock R. stands out very clearly in aerial photography. Over Bairdville up to Wolverton/Wenlock junction, a fairly consistent, but generally narrow zone of alluvial flats is to be found. In general these flats are believed to have developed over the sheared basement, and since the shear zone is considered prospective, bedrock geochemistry is a obvious tool (4, p.5).

REFERENCES.: GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693);GOLD COPPER EXPLORATION INC(1982, QDRI unpublished company report CR 10367);GEOPEKO(1981, QDRI unpublished company report CR 9074); GEOPEKO(1981, QDRI unpublished company report CR 10298);Shepherd, S.R.Leonhard(1941);Connah, T.H.(1951);Beck, G(1936);


143°00'
WENLOCK RV. TARGET.
Qa.
A, II
Au
WENLOCK
Pivotville
River
Au
Au
Au
WENLOCK/BAIRDSVILLE TARGET.
DEEP LEADS
AT BASE OF
MESOZOIC,
J Kg.
Bairdville
A ZONE
MARGIN OF GILBERT RV.
FORMATION
Wolverton
Tqs
Tmph
River
Gerkie Crk
Archer
Au
GEOPEKO
A DIVISION OF PEKO WALLSEND OPERATIONS LTD
SCALE
1:250 000
0
5Km
15Km
LOCALITY PLAN.
A to P 2859m- N W COEN.
SD 54-4
SD 54-8.
CR 10298

NAME(S).....: Bairdville (Page 2 of 2)

REFERENCE NUMBER:152418B

MINERAL EXPLORATION CONTINUED.:

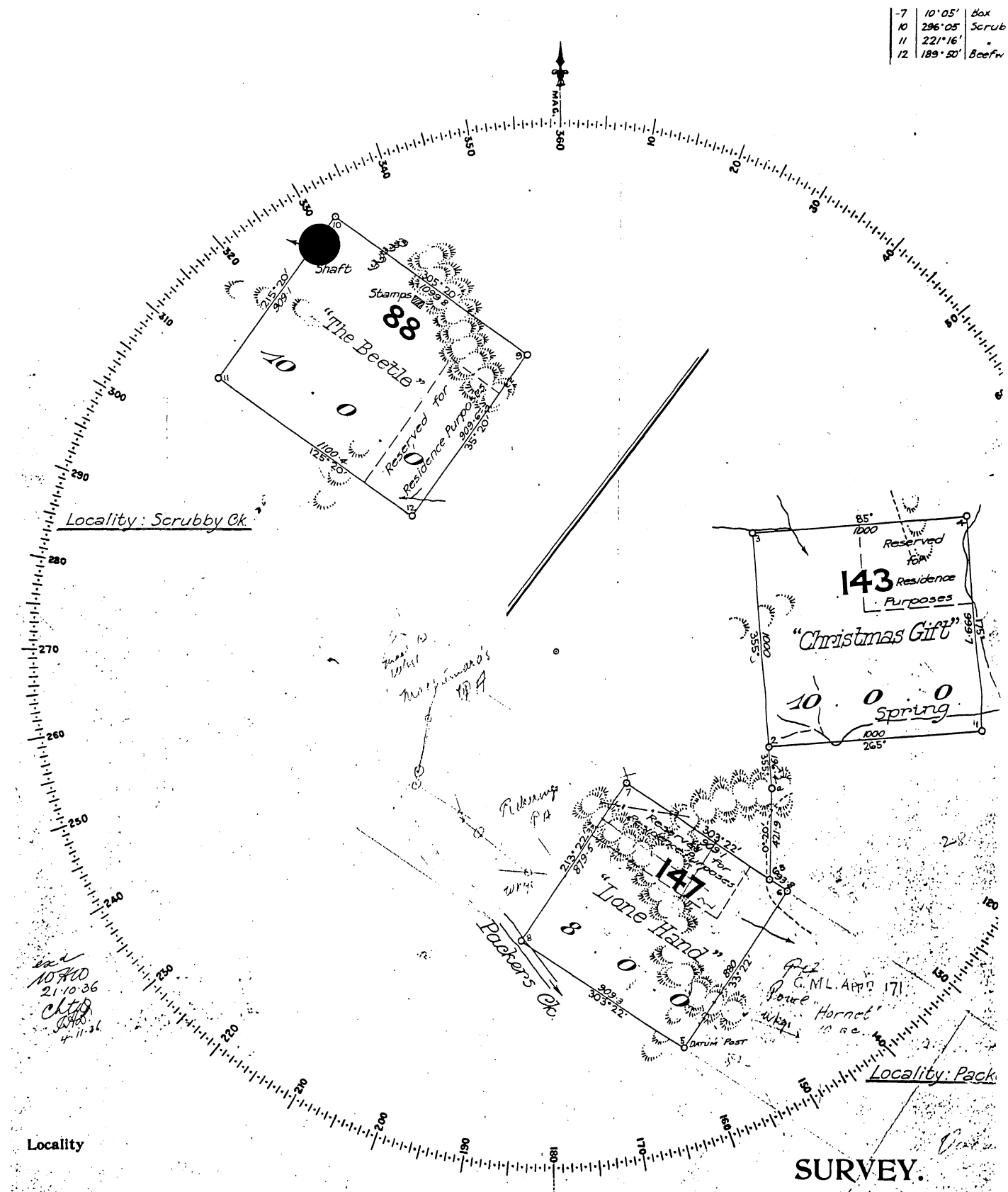
ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMThe metamorphic and granitic rocks of the basement are intersected by Q-veins (Au-bearing) of variable size and orientation. Largest auriferous Q-reef: Main Reef or Leader (strikes NW, dips SE at 30 to 60; total explored length: 300m; max width: 0.5m). #PRAverage grades: >21 dwt/t (1/5). #MNReef Au finely disseminated through the Q-gangue, shoots with wire and leaf Au. #GMGenesis of the auriferous Q-veins most likely related to Devonian orogenic event, which resulted in metamorphism of the SEFTON METAMORPHICS and emplacement of the KINTORE ADAMELLITE (1). #DDOld diggings, lie close beneath & on western side of B.pinnacles. One near workings rises 114m above them, while another detached pinnacle is 190m high. Several shallow shafts at NW end of Leade

REFERENCES CONTINUED.:

-7	10°05'	Box
10	296°05'	Scrub
11	221°16'	"
12	189°50'	Beefw



Locality

I hereby certify, on honour, that this survey has been carried out with the theodolite, and that the boundaries shown on the diagram accord with those marked and defined on the ground.

E Fryer Surveyor.

SCALE 4 CHAINS TO AN INCH.

SURVEYED UNDER ..... INSTRUCTIONS FROM THE WARDEN, NO. .....

DATED ..... 19 ..... TRANSMITTED TO THE WARDEN WITH

MY LETTER NO. ..... DATED ..... 19 .....

29777

SURVEY.

C.M. LEASE 88, 143, 147

PARISH OF LLOYD

COUNTY OF Weymouth

DISTRICT OF Cook

Coen. 13

DATA SHEET 24

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Beetle No.1 (Page 1 of 2) **REFERENCE NUMBER: 535032A**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 19/12/89
METHOD OF WORKING..: 2 Opencut, Underground, 4 Shaft(s), Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 753500 mE, 8603200 mN.
AMG SOURCE/ACCURACY: DRI,Field sheet "Iron Range",M.Ref.No.26 96/ 200m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER
GENERAL AREA.: IRON RANGE/Scrubby Creek Mining A
LOCALITY.....: 3km SSW of Little Round Back/3 .6km NNE of Ogilvie Hill
LOCALITY ACC.: DRI, "Iron Range"/Broadhurst+Rayner(1937)/ 200m

MINING TENURE.....: (GML 88)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ENERGEX PTY LTD(1981)Probalbe O.Rese:5972t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ENERGEX PROPRIETARY LTD; AP 2426M; 1981; BCFEIabdefgqu, 0, [Ag,Sn,W,Mo,Au],-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: WEYMOUTH GRANITE
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Irregular.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Contemporaneous.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Other-see Remarks.

ORE MINERALOGY.
PRIMARY MINERALS : AU,(PY),(ASPY).
SECONDARY MINERALS: LIM
GANGUE .....: Q

ORE TEXTURES....:

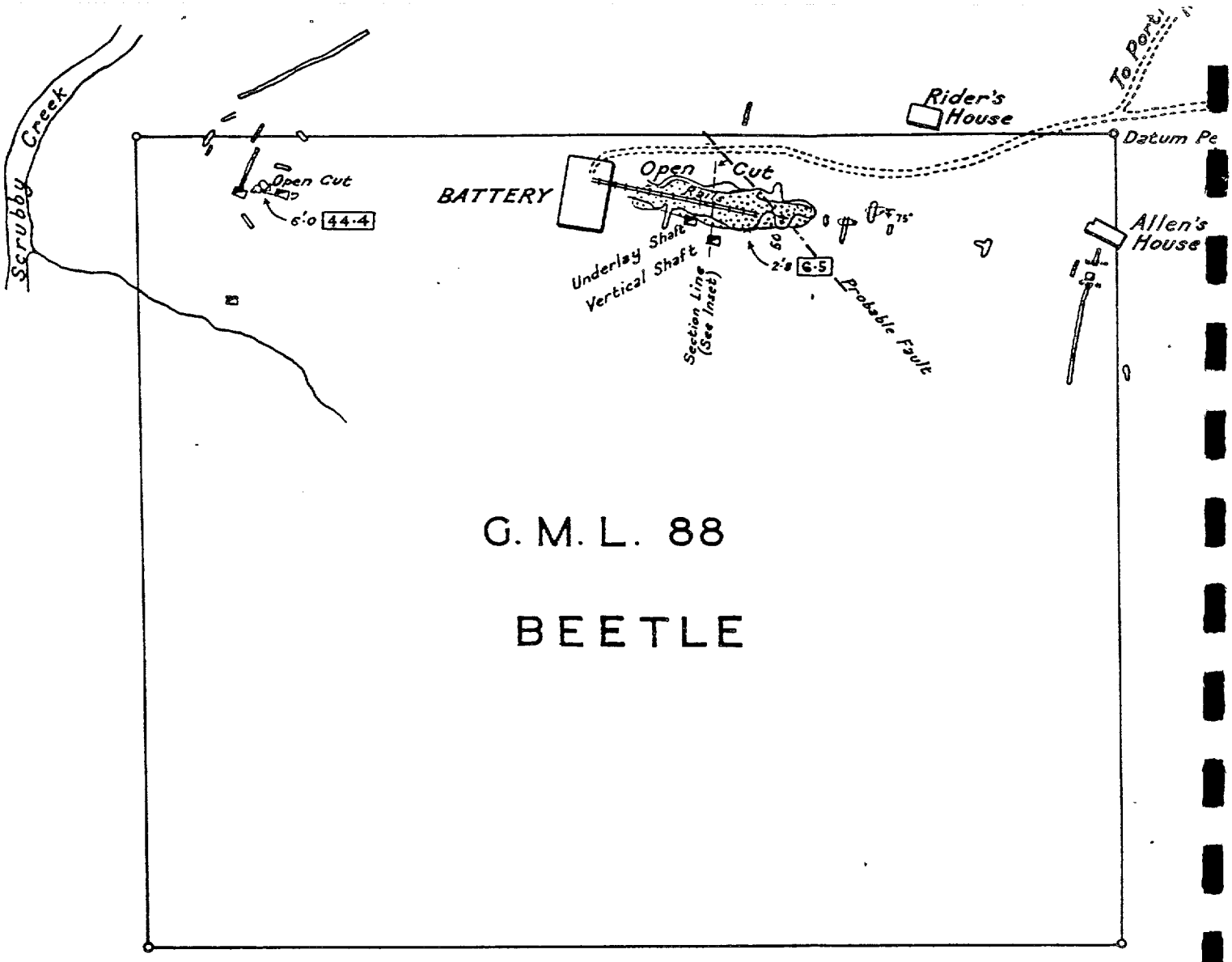
ORE GRAIN SIZE..:

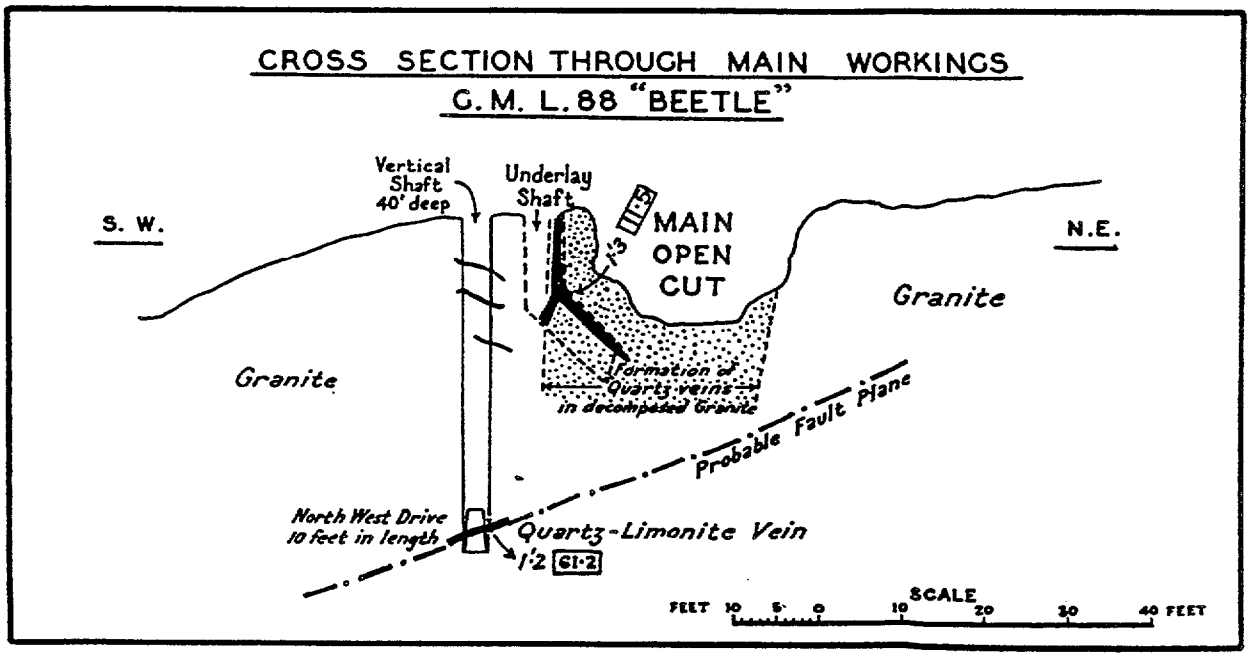
ORE GENESIS: Q-LIM-vein, ore formed in tension breaks on hanging wall of fault.

REMARKS....: #AL The granites/diorites are heavily altered; #MS This mine is located on a iron-stained gneisen. As result of attack by hot fluids, the rock is weakened partic. by the conversion of FS min. to clay min.. The iron-staining is formed by the oxidation of n of a sulphide (PY or ASPY?). Because of the open porous nature of most gneisens, there is a strong chance that secondary enrichment is present. In the main open cut seem to be two rich shoots (one in the NE footwall, the other on the SW hanging wall) (1, p.6). Lodes very irregular, gen. westerly dip. #DD The ore zone was taken as a triangular prism of the overleaf surface dimensions and a max depth of 19m (1, p.7). #MS Q-LIM-vein(E-dip, 0.3m width) in vertical shaft sunk 20' W of open cut.

REFERENCES.: ENERGEX PTY LTD(1981, QDRI unpublished company report CR 10822);Broadhurst, E & Rayner, E.O(1937); Banks, J.G(1947);

R9107806


Scrubby Creek
To Port
Rider's House
Datum Pe
Open Cut
6'o
44·4
BATTERY
Open Cut
Underlay Shaft
Vertical Shaft
Section Line (See Inset)
2's
G·5
Probable Fault
Allen's House
G. M. L. 88
BEETLE


CROSS SECTION THROUGH MAIN WORKINGS
G. M. L. 88 "BEETLE"
Vertical Shaft 40' deep
Underlay Shaft
S. W.
N.E.
MAIN OPEN CUT
Granite
Granite
Formation of Quartz veins in decomposed Granite
Probable Fault Plane
North West Drive 10 feet in length
Quartz-Limonite Vein
1/2
G1·2
SCALE
FEET 10 5 0 10 20 30 40 FEET

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Beetle No.1 (Page 2 of 2) REFERENCE NUMBER:535032

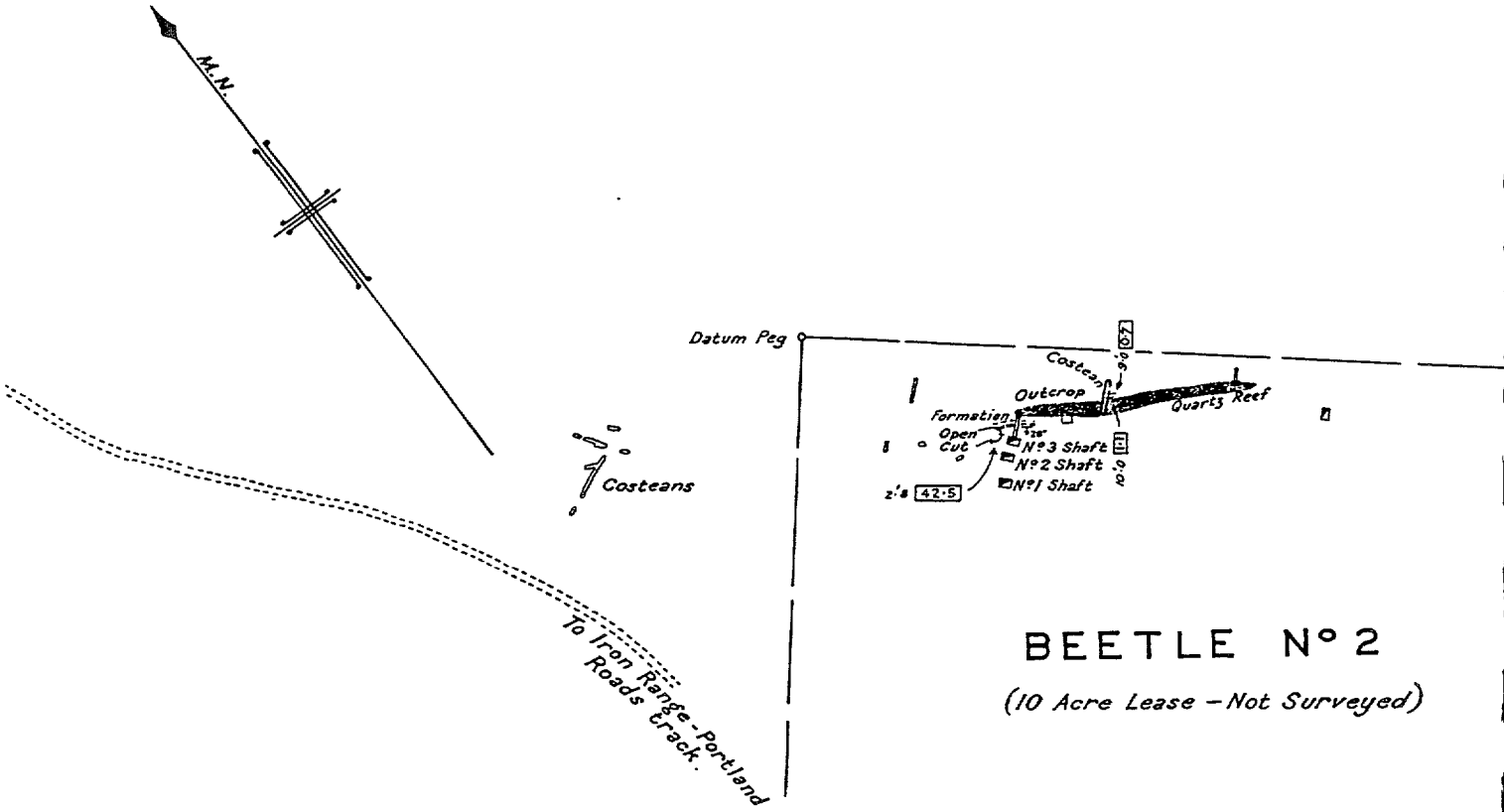
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

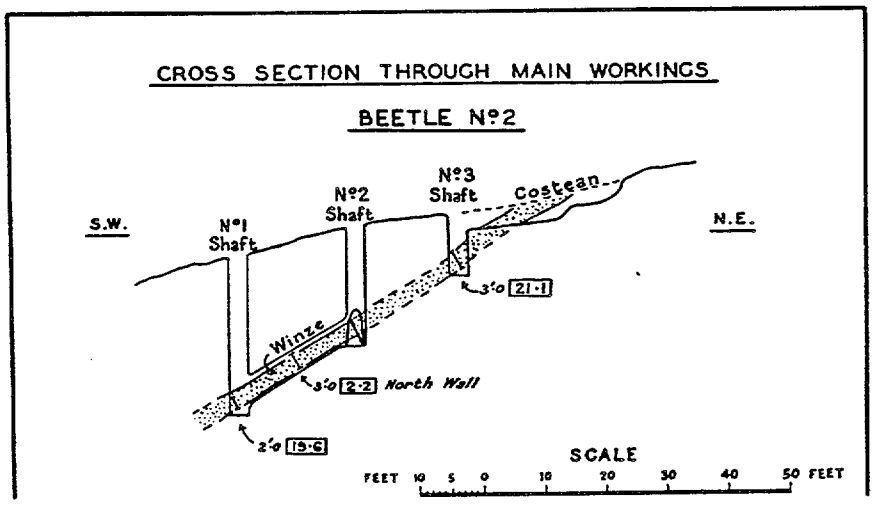
#M2 About 100m NW of the main open cut, a shaft and a small open cut exposed numerous Q-veins assaying 44 dwt/t Au. SE of the main open cut several trenches exposed a continuation of the lode, chiefly Q (dip 75W), with poor values.

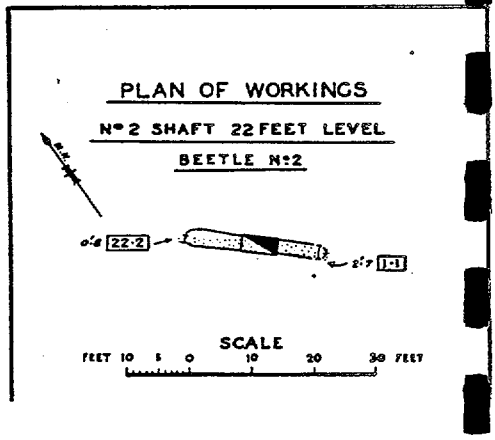
REFERENCES CONTINUED.:



BEETLE N° 2

(10 Acre Lease – Not Surveyed)





DATA SHEET 26

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Beetle No.2 REFERENCE NUMBER:536030

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 19/12/89
METHOD OF WORKING..: Opencut, Underground, Pit(s), 3 Shaft(s), Trench(es).
EXTENT OF WORKINGS: LENGTH: 25 m, WIDTH: 1.0 m, DEPTH: 10.0 m,
AMG GRID REFERENCE.: 753600 mE, 8603000 mN.
AMG SOURCE/ACCURACY: DRI, Field sheet "Iron Range",M.Ref.No.2 696/ 200m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER
GENERAL AREA.: IRON RANGE/Scrubby Creek Mining A
LOCALITY.....: 3.2km SSw of Little Round Back / 3.4km NNE of Ogilvie Hill
LOCALITY ACC.: DRI, "Iron Range"/Broadhurst&Rayner(1937)/ 200m

MINING TENURE.....: (GML 88)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ENERGEX PROPRIETARY LTD; AP 2426M; 1981; BCFEIabdefgqu, 0, [Ag,Sn,W,MoAu],-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: WEYMOUTH GRANITE
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 1.0m av.wide x 25.0m av.vert.depth.. OREBODY; Strike 090deg/28deg dip to 180deg.

FORM/TYPE .....: Veins, Irregular.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Contemporaneous.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Other-see Remarks.

ORE MINERALOGY.
PRIMARY MINERALS : AU,(PY),(ASPY).
SECONDARY MINERALS: LIM
GANGUE .....: Q

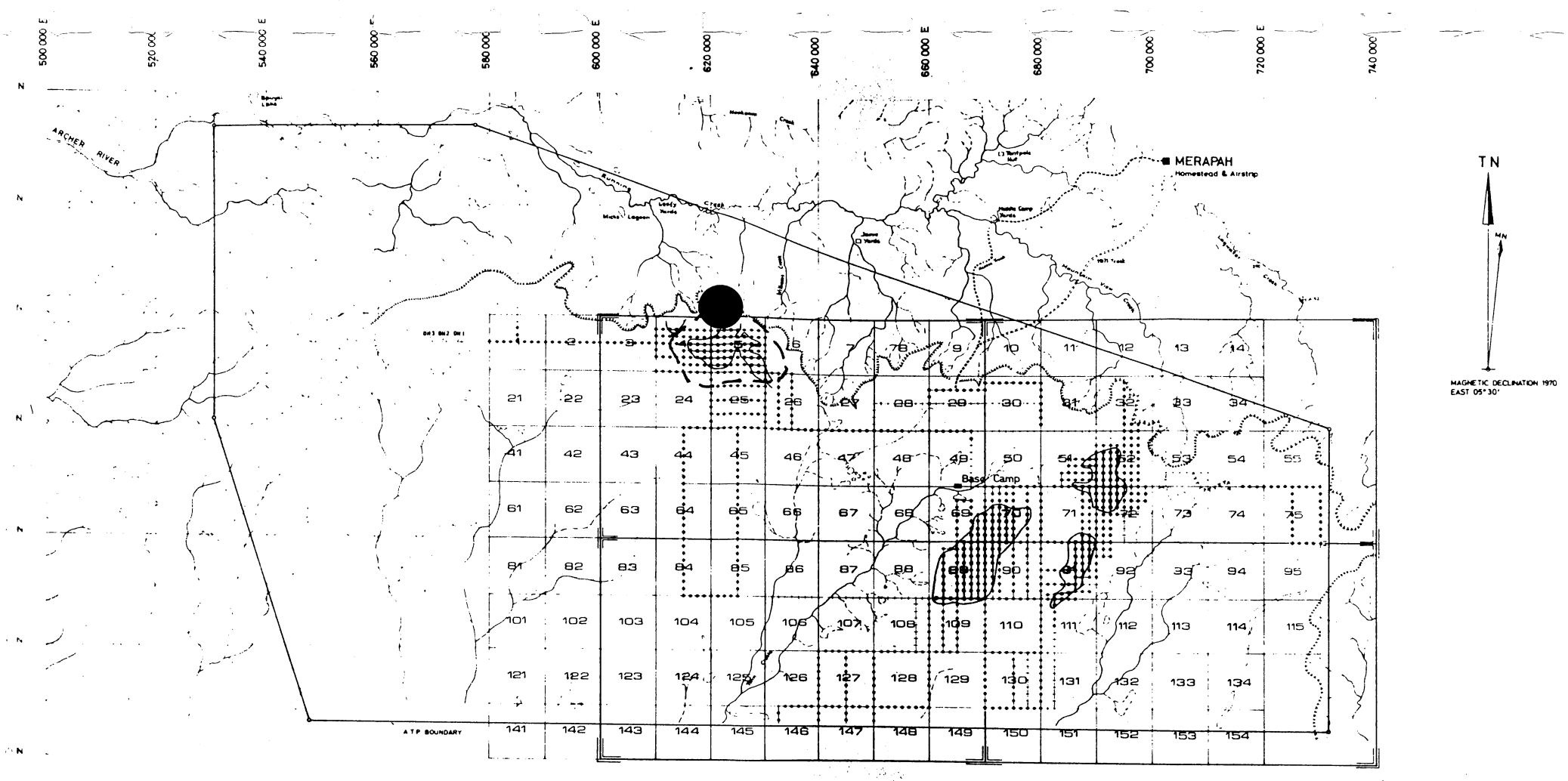
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Q-LIM-veins.

REMARKS....: #AL The granites are heavily altered; #MS This mine is located on a iron-stained gneisen. As a result of attack by hot fluids, the rock is weakened particularily by the conversion of FS min. to clay min.. The iron-staining is formed by the oxidation of a sulphide (PY or ASPY?). Because of the open porous nature of most gneisens, there is a strong chance that secondary enrichment is present (1,p.6). Lode consists of formation of Q-veins with much LIM (av. 3m width, dip 28S). A low ridge of Q carrying ~1 dwt/t Au outcrops on footwall side of Au-formation. One shoot pitches S from open cut near No.3 shaft, a little N of No.2 shaft through a winze joining No.1 and No.2 shafts into No.1 shaft. #PR Lode av. 7 dwt/t Au.

REFERENCES.: ENERGEX PTY LTD(1981, QDRI unpublished company report CR 10822);Broadhurst, E & Rayner, E.O(1937);



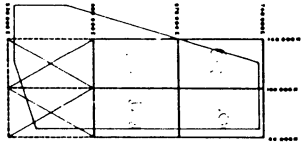
NOTE 1 MAP COMPILED WITH REFERENCE TO AURUKUN SHEET SC 54-7 AND PHOTO MOSAIC SHEET MERAPAH LAGOON. GRID FALSE ORIGIN 500 000 E 60 000 N IN FEET FROM INTERSECTION OF LINES 50 E & 22 N, BASED ON TRANSVERSE MERCATOR 10 000 YARD GRID ZONE 6

miles

feet

kilometres

INDEX TO A25 SERIES



LEGEND:

- GRID-LINE
- 1971 DRILL-HOLE LOCATIONS
- 1971 SURVEY LOCATIONS (NOT DRILLED)
- DH 3 — DEEP DRILL-HOLE LOCATIONS
- MARGIN OF PLATEAU
- ESCARPMENT
- MARGIN OF MINERALISATION

NOTE 2: ONLY 1971 DRILL-HOLE LOCATIONS ARE ILLUSTRATED. FOR DRILL-HOLE LOCATIONS OF 1969 & 1970 EXPLORATION PROGRAMMES REFER TO SHEET M100 / D69-70. FOR DETAILED RESULTS OF 1971 DRILLING REFER TO M25 SERIES SHEETS.

Issue	Date	Revision	Issue	Date	Revision
A	—		2		
B			3		
C			4		
D			5		
E			6		
1			7		

h.a. bauxiet australië n.v.

AURUKUN BAUXITE PROJECT

MERAPAH A.T.P. 549 M

DRILL-HOLE LOCATION PLAN 1971

DRAWN	T.Thon.	M100/D7
PLOTTED	W.Sandford.	
CHECKED		
APPROVED		

DATA SHEET 27

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Block 4-5 **REFERENCE NUMBER:290730**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 26/04/90
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 629000 mE, 8473000 mN.
AMG SOURCE/ACCURACY: CR 4244/ 1000m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: MERAPAH 7370
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S ARCHER RIVER
LOCALITY.....: 25km WSW of Merapah landing ground
LOCALITY ACC.: CR 4244/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1972)Gross ore subec:28800000t @52.0%AlAl,TL&EC/HOLLAND ALUMINIUM G PECH(1972)Economic ore:4300000t @52.0%AlAl,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/HOLLAND ALUMINIUM/COMPAGNIE PECHINEY Joint Venture; AP 549M; 1968; BCTelfkost,6, weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: piisolitic bauxite and laterite
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,
GANGUE .....: Q,KAO,GBS,BHM,(FS)

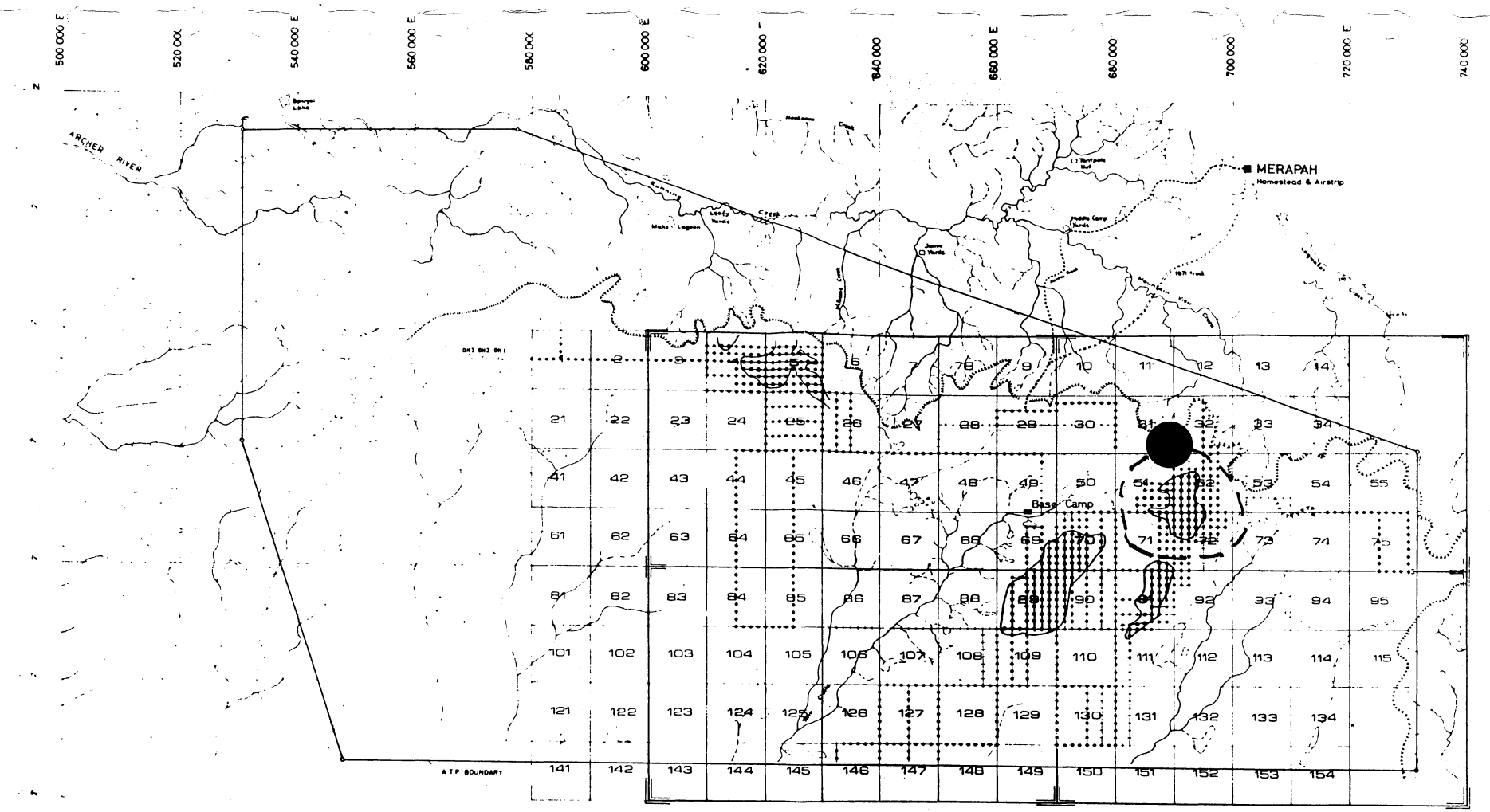
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #MNMineralogically, BX more juvenile counterpart of Aurukun bauxite (1). A characteristic of Merapah BX is the presence of a zone of kaolinitic cementation, developed at the top or intermittently throughout the pisolitic section. Hand auger drills can seldom penetrate this zone. Mineralogy in economic BX deposits: -low Q content (>5%) in the unlaterized arkosic sands. -generally low TiO2 and Fe203 contents. Remaining minerals derived from partial or complete degration of FS-minerals; secondary KAO, GBS, BHM. #PRRatio Economic/Total ore reserve: 10/67 (4300000 economic t/28800000 total ore t)

REFERENCES.: TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);



NOTE 1 MAP COMPILED WITH REFERENCE TO AURUKUN SHEET SC 54-7 AND PHOTO MOSAIC SHEET MERAPAH LAGOON. GRID FALSE ORIGIN 500 000E 80 000N IN FEET FROM INTERSECTION OF LINES 50E & 22N. BASED ON TRANSVERSE MERCATOR 10 000 YARD GRID ZONE 6

miles

feet

kilometres

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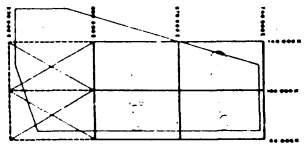


LEGEND:

- GRID-LINE
- 1971 DRILL-HOLE LOCATIONS
- 1971 SURVEY LOCATIONS (NOT DRILLED)
- DH3 DEEP DRILL-HOLE LOCATIONS
- MARGIN OF PLATEAU
- ESCARPMENT
- MARGIN OF MINERALISATION

NOTE 2: ONLY 1971 DRILL-HOLE LOCATIONS ARE ILLUSTRATED. FOR DRILL-HOLE LOCATIONS OF 1969 & 1970 EXPLORATION PROGRAMMES REFER TO SHEET M100/D69-70. FOR DETAILED RESULTS OF 1971 DRILLING REFER TO M25 SERIES SHEETS.

Issue	Date	Revision	Issue	Date	Revision
A	—		2		
B			3		
C			4		
D			5		
E			6		
1			7		

h.a.bauxiet australië n.v.

AURUKUN BAUXITE PROJECT

MERAPAH A.T.P. 549 M

DRILL-HOLE LOCATION PLAN 1971

DRAWN	T.Thon.
PLOTTED	W.Sandford.
CHECKED	
APPROVED	

M100/D7

DATA SHEET 28

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Block 52-72 **REFERENCE NUMBER: 510650**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 26/04/90
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 651000 mE, 8465000 mN.
AMG SOURCE/ACCURACY: CR 4244/ 1000m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: MERAPAH 7370
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S ARCHER RIVER
LOCALITY.....: 28km SSW-S of Merapah landing ground
LOCALITY ACC.: CR 4244/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1972)Gross ore subec:33900000t @52.0%AlAl,TL&EC/HOLLAND ALUMINIUM G PECH(1972)Economic ore:3500000t @52.0%AlAl,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: TL&EC/HOLLAND ALUMINIUM/COMPAGNIE PECHINEY Joint Venture; AP 549M; 1968; BCTelfkost,6, weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: piisolitic bauxite and laterite
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2.3m av.vert.depth..

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

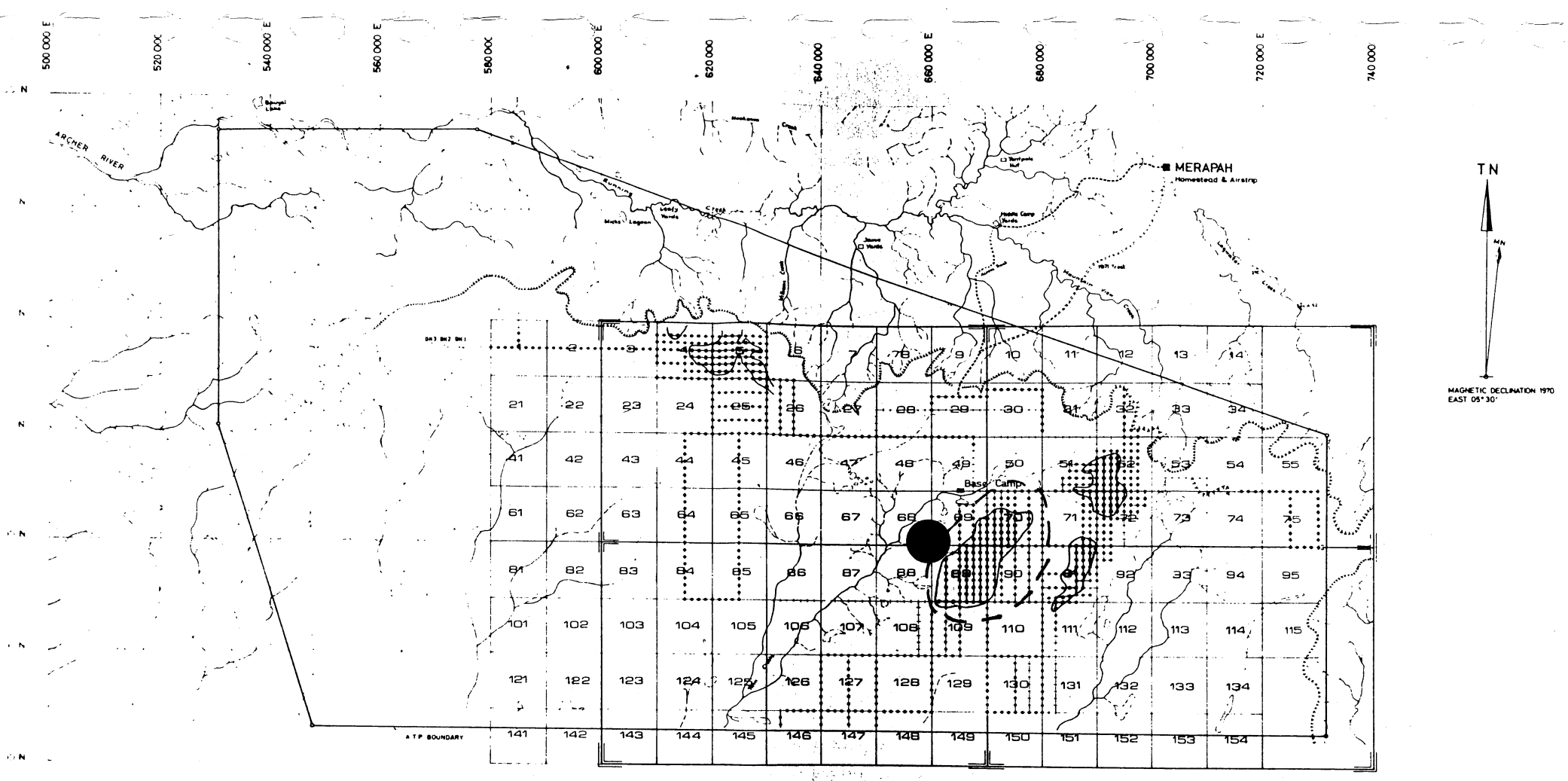
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS :
SECONDARY MINERALS: BX,
GANGUE .....: Q,KAO,GBS,BHM,(FS) **ORE GRAIN SIZE..:**

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #MNMineralogically, BX more juvenile counterpart of Aurukun bauxite (1). A characteristic of Merapah BX is the presence of a zone of kaolinitic cementation, developed at the top or intermittently throughout the pisolitic section. Hand auger drills can seldom penetrate this zone. Mineralogy in economic BX deposits: -low Q content (>5%) in the unlaterized arkosic sands. -generally low TiO2 and Fe203 contents. Remaining minerals derived from partial or complete degration of FS-minerals; secondary KAO, GBS, BHM. #PRRatio Economic/Total ore reserve: 10/97 (3500000 economic t/33900000 total ore t)

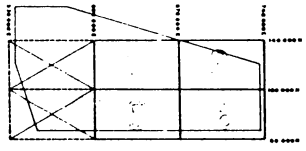
REFERENCES.: TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);



NOTE 1: MAP COMPILED WITH REFERENCE TO AURUKUN SHEET SD 54-7 AND PHOTO MOSAIC SHEET MERAPAH LAGOON. GRID FALSE ORIGIN 500 000E 60 000 N IN FEET FROM INTERSECTION OF LINES 50 E & 22 N, BASED ON TRANSVERSE MERCATOR 10 000 YARD GRID ZONE 6

miles
feet
kilometres

INDEX TO A25 SERIES



LEGEND:
- GRID-LINE
- 1971 DRILL-HOLE LOCATIONS
- 1971 SURVEY LOCATIONS (NOT DRILLED)
- DH 3 DEEP DRILL-HOLE LOCATIONS
- MARGIN OF PLATEAU
- ESCARPMENT
- MARGIN OF MINERALISATION

NOTE 2: ONLY 1971 DRILL-HOLE LOCATIONS ARE ILLUSTRATED. FOR DRILL-HOLE LOCATIONS OF 1969 & 1970 EXPLORATION PROGRAMMES REFER TO SHEET M100/D69-70. FOR DETAILED RESULTS OF 1971 DRILLING REFER TO M25 SERIES SHEETS.

Issue	Date	Revision	Issue	Date	Revision
A	—		2		
B		1971 DRILL-HOLE & SURVEY LOCATIONS ADDED	3		
C		LIMIT OF ORE-BODIES ADDED	4		
D		NOTES & LEGEND ADDED SCALE CORRECTED	5		
E		DETAILS OF M100 SHEETS & TENDERS ADDED	6		
1		APPROVED FOR ISSUE	7		

h.a.bauxiet australië n.v.

AURUKUN BAUXITE PROJECT

MERAPAH A.T.P. 549 M

DRILL-HOLE LOCATION PLAN 1971

DRAWN	T.Thon.
PLOTTED	W.Sandford.
CHECKED	
APPROVED	

M100/D7

DATA SHEET 29

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Block 70-90 **REFERENCE NUMBER:440610**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 26/04/90
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 644000 mE, 8461000 mN.
AMG SOURCE/ACCURACY: CR 4244/ 1000m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: MERAPAH 7370
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S ARCHER RIVER
LOCALITY.....: 23km SSW of Merapah landing ground
LOCALITY ACC.: CR 4244/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1972)Gross ore subec:66200000t @52.0%Al2O3,TL&EC/HOLLAND ALUMINIUM G PECH(1972)Economic ore:8800000t @52.0%Al2O3,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/HOLLAND ALUMINIUM/COMPAGNIE PECHINEY Joint Venture; AP 549M; 1968; BCTelfkost,6, weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: piisolitic bauxite and laterite
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

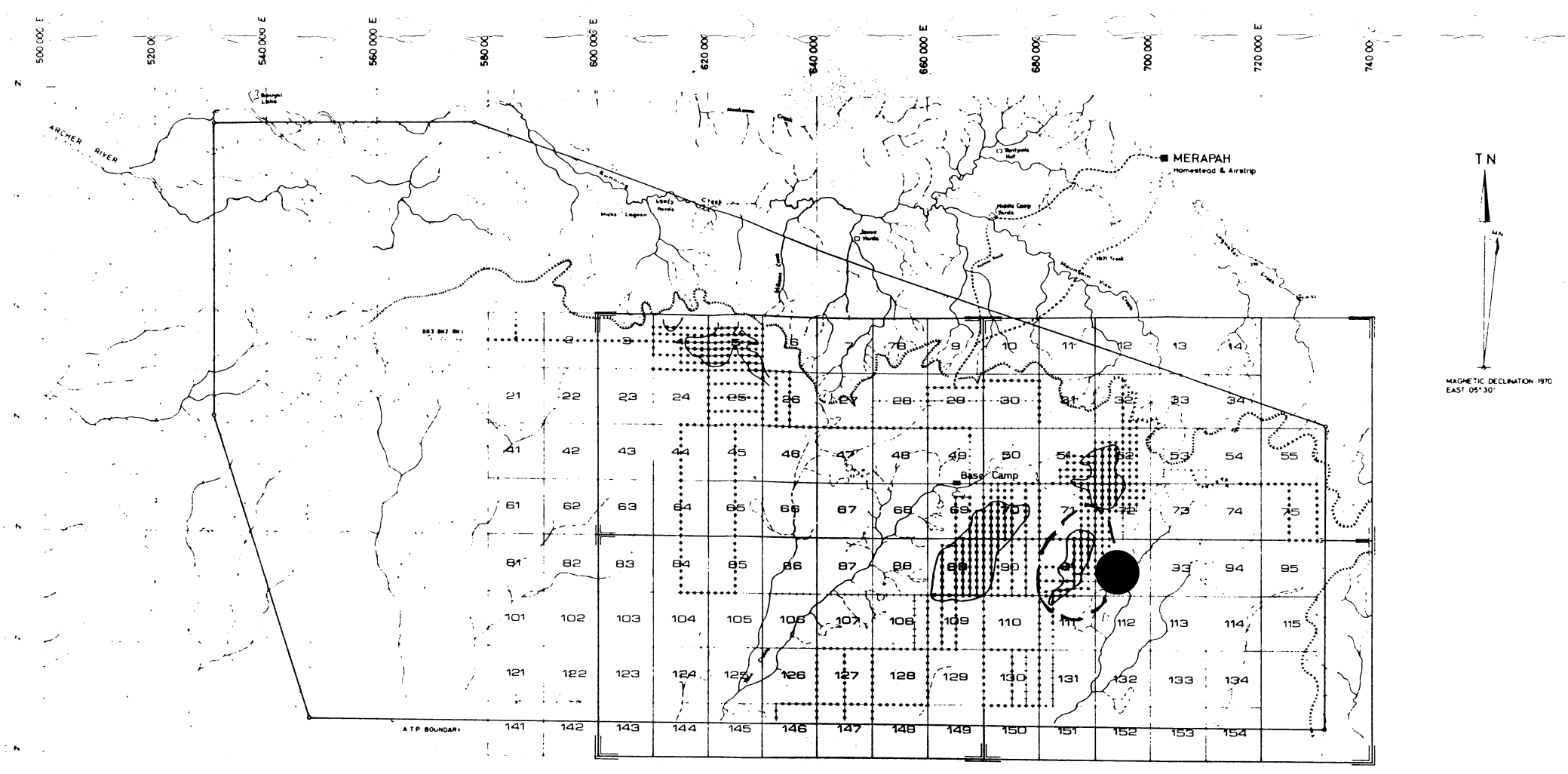
ORE MINERALOGY. **ORE TEXTURES....:**

PRIMARY MINERALS :
SECONDARY MINERALS: BX,
GANGUE .....: Q,KAO,GBS,BHM,(FS) **ORE GRAIN SIZE..:**

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #MNMineralogically, BX more juvenile counterpart of Aurukun bauxite (1). A characteristic of Merapah BX is the presence of a zone of kaolinitic cementation, developed at the top or intermittently throughout the pisolitic section. Hand auger drills can seldom penetrate this zone. Mineralogy in economic BX deposits: -low Q content (>5%) in the unlaterized arkosic sands. -generally low TiO2 and Fe2O3 contents. Remaining minerals derived from partial or complete degration of FS-minerals; secondary KAO, GBS, BHM. #PRRatio Economic/Total ore reserve: 10/75 (8800000 economic t/66200000 total ore t)

REFERENCES.: TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);



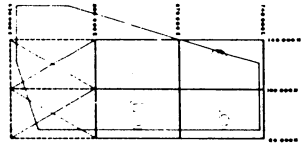
NOTE 1 MAP COMPILED WITH REFERENCE TO AURUKUN SHEET SC 54-7 AND PHOTO MOSAIC SHEET MERAPAH LAGOON. GRID FALSE ORIGIN 500 000 E 60 000 N IN FEET FROM INTERSECTION OF LINES 50 E & 22 N, BASED ON TRANSVERSE MERCATOR 10 000 YARD GRID ZONE 6

miles

feet

kilometres

INDEX TO A25 SERIES



LEGEND:

- GRID-LINE
- 1971 DRILL-HOLE LOCATIONS
- 1971 SURVEY LOCATIONS (NOT DRILLED)
- DH.3 DEEP DRILL-HOLE LOCATIONS
- MARGIN OF PLATEAU
- ESCARPMENT
- MARGIN OF MINERALISATION

NOTE 2: ONLY 1971 DRILL-HOLE LOCATIONS ARE ILLUSTRATED. FOR DRILL-HOLE LOCATIONS OF 1969 & 1970 EXPLORATION PROGRAMMES REFER TO SHEET M100/D69-70. FOR DETAILED RESULTS OF 1971 DRILLING REFER TO M 25 SERIES SHEETS.

Issue	Date	Revision	Issue	Date	Revision
A	—		2		
B			3		
C			4		
D			5		
E			6		
1			7		

h.a.bauxiet australië n.v.

AURUKUN BAUXITE PROJECT

MERAPAH A.T.P. 549 M

DRILL-HOLE LOCATION PLAN 1971

DRAWN	T.Thon.
PLOTTED	W.Sandford.
CHECKED	
APPROVED	

M100/D7

DATA SHEET 30

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Block 91 **REFERENCE NUMBER:490610**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 26/04/90
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 649000 mE, 8461000 mN.
AMG SOURCE/ACCURACY: CR 4244/ 1000m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: MERAPAH 7370
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S ARCHER RIVER
LOCALITY.....: 22km SSW of Merapah landing ground
LOCALITY ACC.: CR 4244/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/HOLLAND ALUMINIUM/COMPAGNIE PECHINEY Joint Venture; AP 549M; 1968; BCTelfkost,6, weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: piisolitic bauxite and laterite
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,
GANGUE .....: Q,KAO,GBS,BHM,(FS)

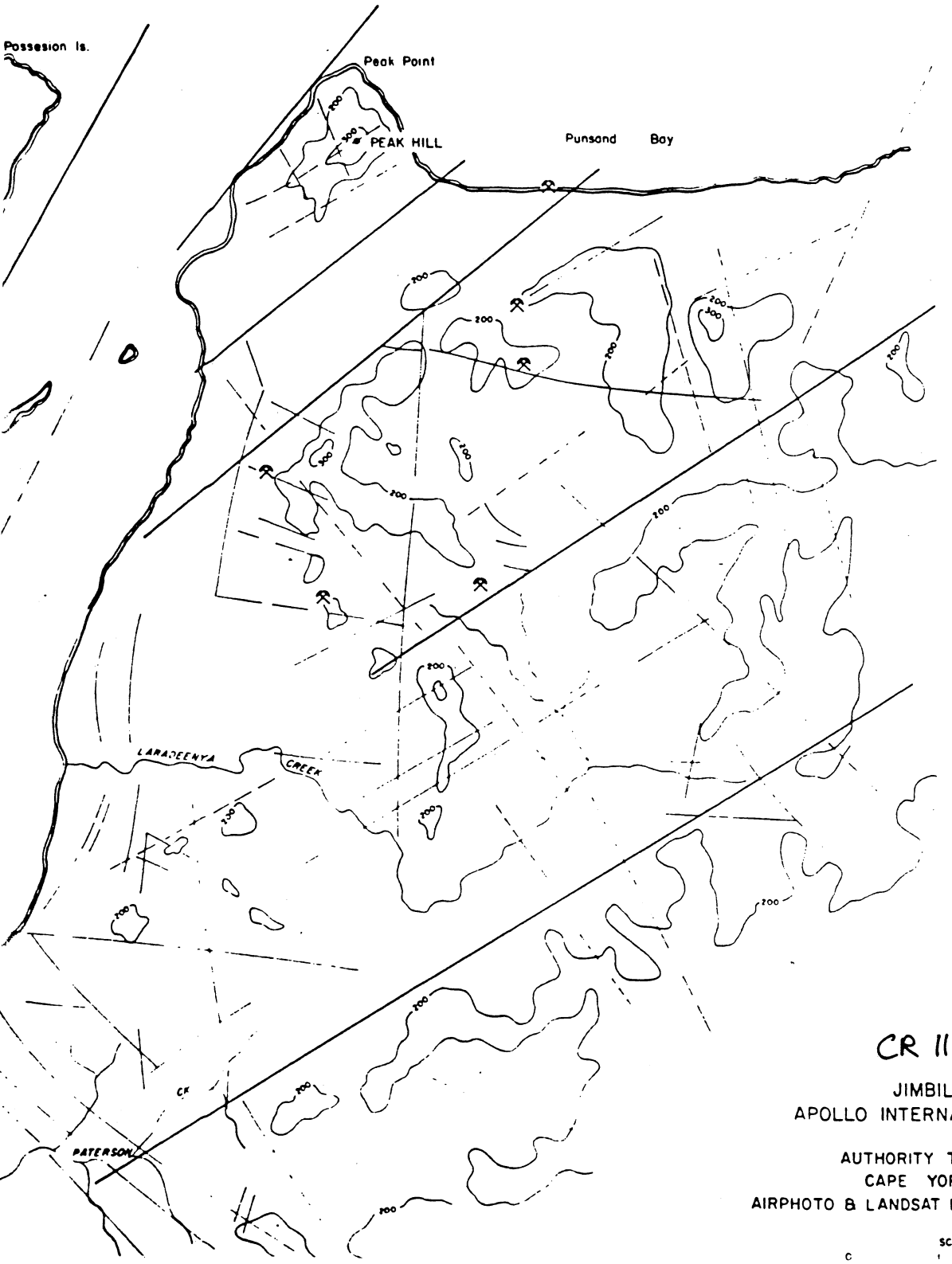
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #MNMineralogically, BX more juvenile counterpart of Aurukun bauxite (1). A characteristic of Merapah BX is the presence of a zone of kaolinitic cementation, developed at the top or intermittently throughout the pisolitic section. Hand auger drills can seldom penetrate this zone. Mineralogy in economic BX deposits: -low Q content (>5%) in the unlaterized arkosic sands. -generally low TiO_2 and Fe_2O_3 contents. Remaining minerals derived from partial or complete degration of FS-minerals; secondary KAO, GBS, BHM. #PRRatio Economic/Total ore reserve: No calculations in this report, because drilling incomplete

REFERENCES.: TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);TL&EC/HOLLAND ALUMINIUM G PECH(1972, QDRI unpublished company report CR 4244);



LEGEND

Lineaments

Strong

Moderate

Weak

200ft contour

Known primary mineralisation locatio

North

CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

SCALE 1:50,000

0 1 2 3 km

DATA SHEET 31

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: **Bluff Quarry (Page 1 of 2)** REFERENCE NUMBER:592133A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 659200 mE, 8813300 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 2.5km SE PEAK HILL
LOCALITY.....: 1.2km S of Battery Point

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrites (partly altered); welded tuffs.
HOST ROCK AGE :
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: JOINTS; Strike 060deg/Unknown dip. JOINTS; Strike 140deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Silicification, Other-see Remarks.

ORE MINERALOGY.
PRIMARY MINERALS : CST, (PY),(CPY),(ASPY).
SECONDARY MINERALS: LIM, JAR.
GANGUE .....: Q,(TOU),(FL).

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Vein mineralisation.

REMARKS....: #MNKnowm primary min. of potential economic interest is restricted to tin as CST. During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). #CMTin min. is assoc. with Q-veining, silicified joints and fractures and locally encrusts joints and fractures. Tin is fine grained (<1mm). Tin occurrances are confined to the rhyodacite units, which are highly sericitised, with or without clay alteration and occupy jointing and fractures parallel or complementary to the major regional structural lineaments. Joint plans commonly horizontal. Means of introduction of tin min. uncertain. #GMSuggestion: Badu Granite may have intruded the acid volcanic pile, causing varying degrees of alteration and introd. Q, sulphides and CST (3

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

NAME(S).....: Bluff Quarry (Page 2 of 2)

REFERENCE NUMBER:5921338

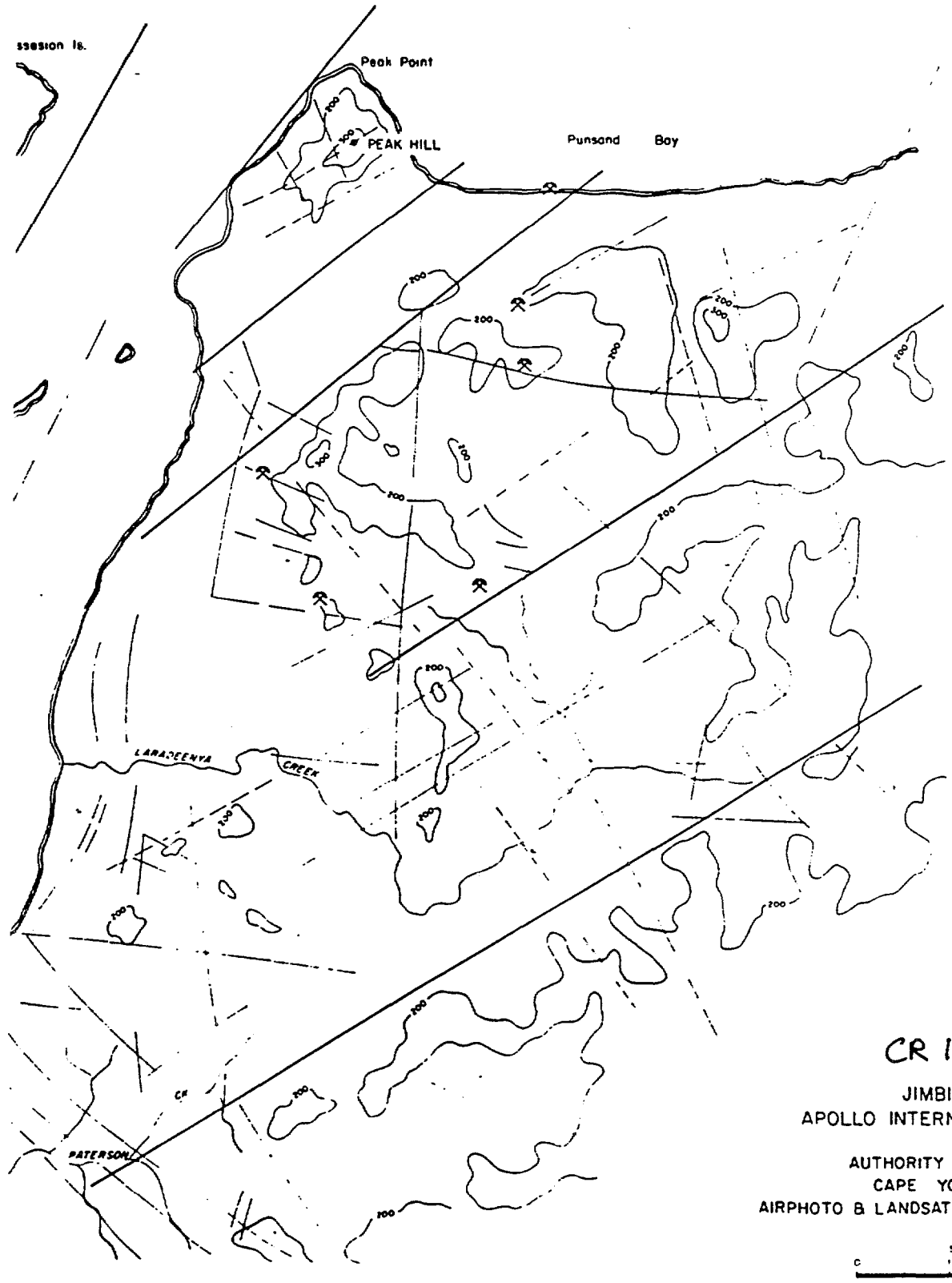
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#ALSericite and Q-alteration are common to high and low tin geochemistry and are associated with any of chloritisation, topazisation, Q-veining and brecciation and minor JAR and/or LIM after sulphides. Less common products of alteration are EPD, CHL, Argillite and TPZ. Rocks here show very strong SER and Q-alteration with minor sulphides and occ. CHL alt. Recorded elevated levels of Cu,Zn, W and additionally Pb! (2). #M1Elluvial tin present down slope from Mullhollands Lode (6). #ALAlteration degrees: Fresh rhyolite-clay/SER-high SER-mod.SER-greisen alt.-Q-TPZ rock.(3,p.5).

REFERENCES CONTINUED.:



LEGEND

Lineaments

Strong

Moderate

Weak

200 ft contour

Known primary mineralisation location

North

CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

SCALE 1:50,000

0 1 2 3 Miles

DATA SHEET 33

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Booty Hill Pits (Page 1 of 2) REFERENCE NUMBER: 587104A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 658700 mE, 8810400 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SSE PEAK HILL
LOCALITY.....: 18km NNW Bamaya/4.8km SSE P.H.

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-; CONSOLIDATED MING IND; AP 526M; 1970; ABaefhjkl, 0, -;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands/minor silt.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 25.0m max.vert.depth..

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, (ZR),(IM),(MT),(RUT).
SECONDARY MINERALS:
GANGUE .....: Q,TOU.

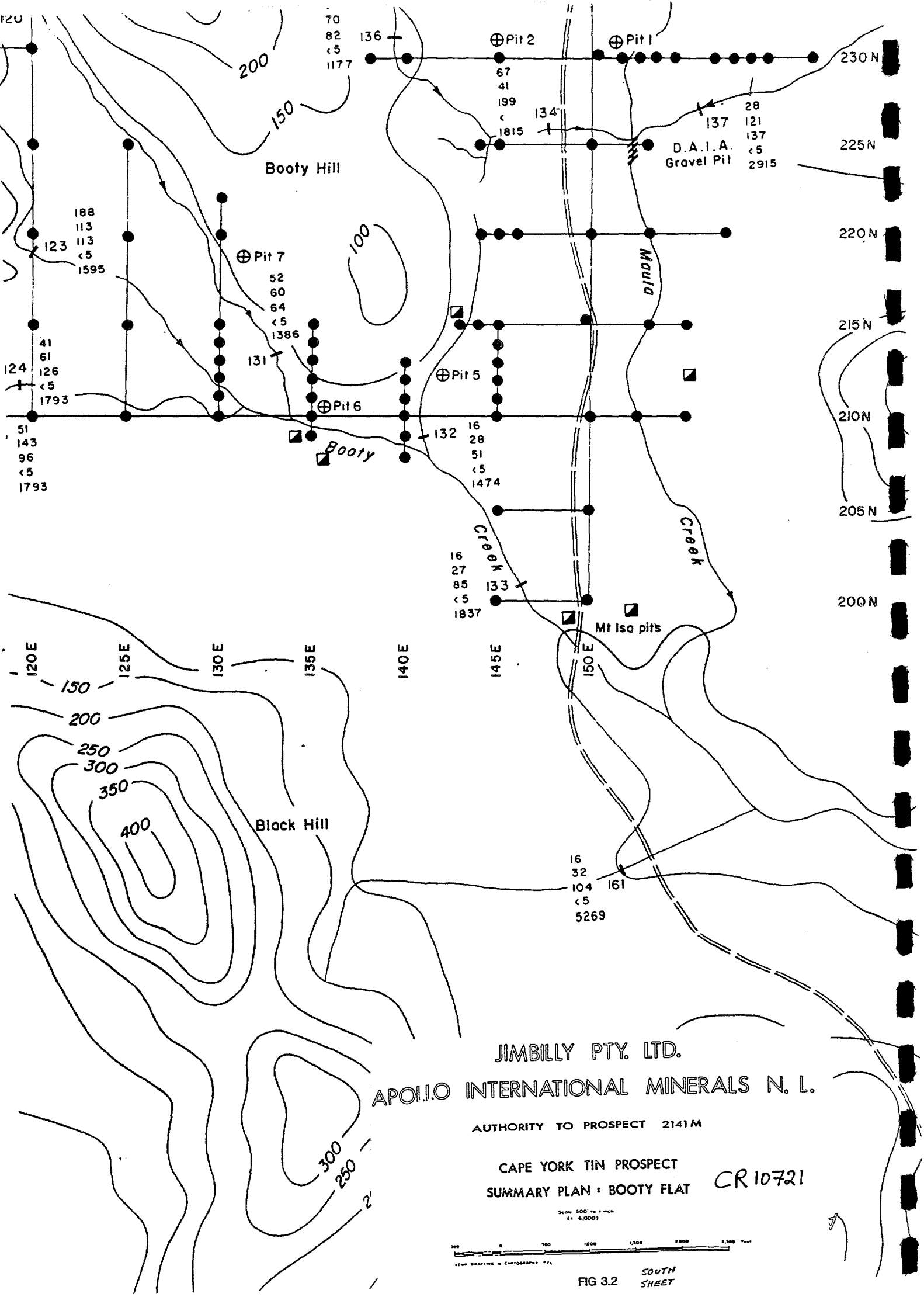
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Alluvial deposits-placers with heavy minerals and ferruginous nodules and acid volcanic pebbles to boulders.

REMARKS....: #MSRecent residual and poor to moderately sorted transported sand and silt formations occupy drainage areas between the Palaeozoic acid volcanics. The sediments are composed of sands, clays, ferruginous nodules and acid volcanic pebbles to boulders. Of potential economic significance, the sands and gravels contain the heavy mineral IM, ZR, RUT, CST + TOU as concentrated products of weathered volcanics and associated min.. The sediments range in depth from negligible to in excess of 25 m (S of Laradenya Creek). At each location the sands are known to carry CST (1). The alluvials occupy the low ground within and adjacent to BOOTY and MAULA Cr. with h.min. concentration resulting from the weathering of neighboring rhyolites and prim. tin occurrances.

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;CONSOLIDATED MINING



JIMBILLY PTY. LTD.

APOLLO INTERNATIONAL MINERALS N. L.

AUTHORITY TO PROSPECT 2141M

CAPE YORK TIN PROSPECT

SUMMARY PLAN : BOOTY FLAT

CR10721

FIG 3.2 SOUTH SHEET

NAME(S).....: Booty Hill Pits (Page 2 of 2)

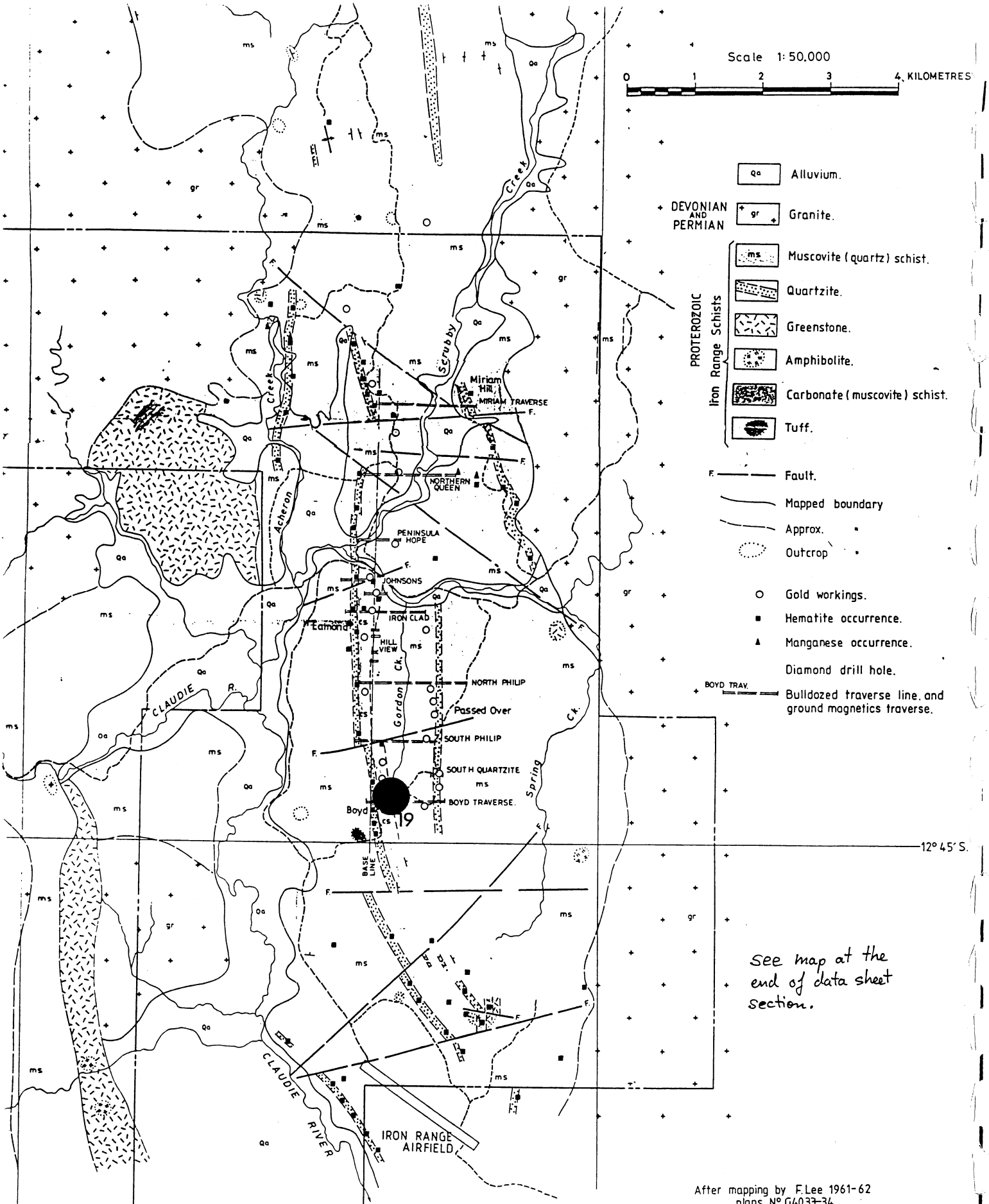
REFERENCE NUMBER:587104B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
High proportions of ZR and RUT frequently present (7).

REMARKS CONTINUED.:
#MSDepth to basement contours = uneven with local infilled gullys and gutters. Alluvial depths range from 1-7 m (average 2.3m). Tin is present over the full vertical alluvial profile (discounts presence of "overburden"). Lateral sampling demonstrates higher tin grades within today creeks as a result of reconcentration within the drainage system(1,2). During processing of alluvial samples rare observations of Au and MOLY flakes were reported(1). Estuary, coastal and beach sands are present near the for ore Punsand Bay carrying CST(1). #DDBOOTY and MAULA Cr. area av. 2.5m in depth of all. sed. (1). They are NW tributaries of Laradeenya Cr. and form alluv. plains betw. W acid volc ridges (Black Hill, Booty Hill). Surface values do not persist in depth (7)

REFERENCES CONTINUED.:



See map at the end of data sheet section.

After mapping by F. Lee 1961-62
plans N° G4033-34

CR 7307

Fig. 2

Scale 1:50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne	
Traced: G.B.	Project No.:	Drawing No.: A2-1258	
Checked:			

Revisions:

DATA SHEET 35

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Boyd

REFERENCE NUMBER: 501899

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750100 mE, 8589900 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.7km SE of Phillip Hill (No.19 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q, (CARB).

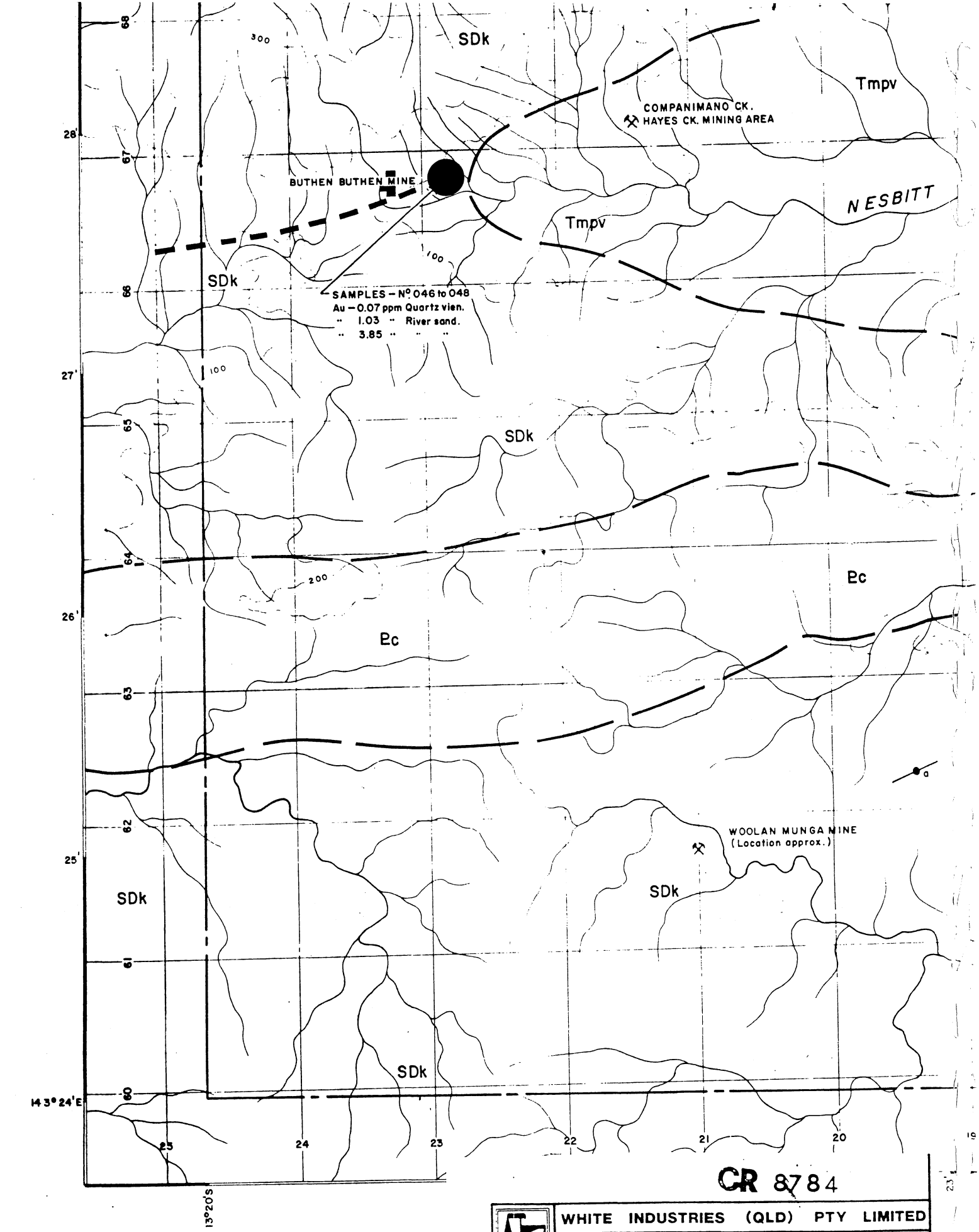
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 8784

	WHITE INDUSTRIES (QLD) PTY LIMITED
	NESBITT RIVER – A to P No. 2613
FIG.	GEOLOGY
SCALE 1:25,000 DRAWN M.P.	DATE MAY 81 CHECKED
	CG – 104

SDk | SILURIAN – DEVONIAN KINTORE ADAMELITE

DATA SHEET 36

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Buthen Buthen Group-Battery Hill Buthen — REFERENCE NUMBER: 667229

COMMODITIES ....: GOLD
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: 08/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 766750 mE, 8522900 mN.
AMG SOURCE/ACCURACY: CR 9412/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: HAYES CREEK

GENERAL AREA.: SW HOWARD RANGE
LOCALITY.....: 100m N Buthen Buthen Mine

LOCALITY ACC.: CR 9412/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WHITE INDUSTRIES PTY LTD; AP 2613M; 1981; ABabdq, 0, [Ag,Au,As,Pb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: granite.
HOST ROCK AGE : Late Silurian - Early Devonian — MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m): — OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : — LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. — **ORE TEXTURES....:**

PRIMARY MINERALS : AU, PY.
SECONDARY MINERALS:
GANGUE .....: Q. — **ORE GRAIN SIZE..:**

ORE GENESIS:

REMARKS....: #DD117 cm wide reef (see map and (3)).

REFERENCES.: WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 8784);WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 9412);Shepherd, S.R.Leonhard(1938);

DATA SHEET 37

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Buthen Buthen Group-Buthen Buthen Mine(Leo Prospect,Theodore Buthen) REFERENCE NUMBER:667228

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 20/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 766750 mE, 8522800 mN.
AMG SOURCE/ACCURACY: CR 3239 /Fig.5/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: HAYES CREEK P.G

GENERAL AREA.: Howard Range
LOCALITY.....: 3.5km SSW of Table Mountain

LOCALITY ACC.: CR 3239/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WHITE INDUSTRIES PTY LTD; AP 2613M; 1981; ABabdq, 0, [Ag,Au,As,Pb],-; CONSOLIDATED MINING INDUSTRIES LTD; AP 527M; 1969; BCGJIMNOYadcjh, 4, [Cu,Pb,Zn,Ni,Sb,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: pegmatite intrusives along faults in granite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU, PY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Base metal min. (Cu,Pb,Zn) associated with Au min. in Q-veins. (Minor: bleaching of samples with disseminated PY occurs.)

REMARKS....: #CMPegmatite intrusives along faults in granite, with associated Q-veining. Low grade Au-min. occurs through the pegmatites and adjoining granite, with higher values near contacts of this intrusive (highest value: 3.1 dwt Au/t over 1.6m; 1.6 dwt Au/t over 7.1m) (1). #DDLocality in Lockhart River Aboriginal Reserve: First discovered 1909 and proclaimed shortly after (4). #CMSecondly alluvial sands are mentioned for Buthen Buthen (4). Reef is 35.5 cm wide (3).

REFERENCES.: WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 8784);WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 9412);Shepherd, S.R.Leonhard(1938);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3239);

DATA SHEET 38

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Buthen Buthen Group-Hidden Treasure REFERENCE NUMBER:642219

COMMODITIES ....: GOLD
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 08/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 764200 mE, 8521900 mN.
AMG SOURCE/ACCURACY: CR 9412/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: HAYES CREEK

GENERAL AREA.: SW Howard Range
LOCALITY.....: 2.7km WSW of Buthen Buthen mine.
LOCALITY ACC.: CR 9412/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WHITE INDUSTRIES PTY LTD; AP 2613M; 1981; ABabdq, 0, [Ag,Au,As,Pb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Late Silurian - Early Devonian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU, PY.
SECONDARY MINERALS:
GANGUE .....: Q.

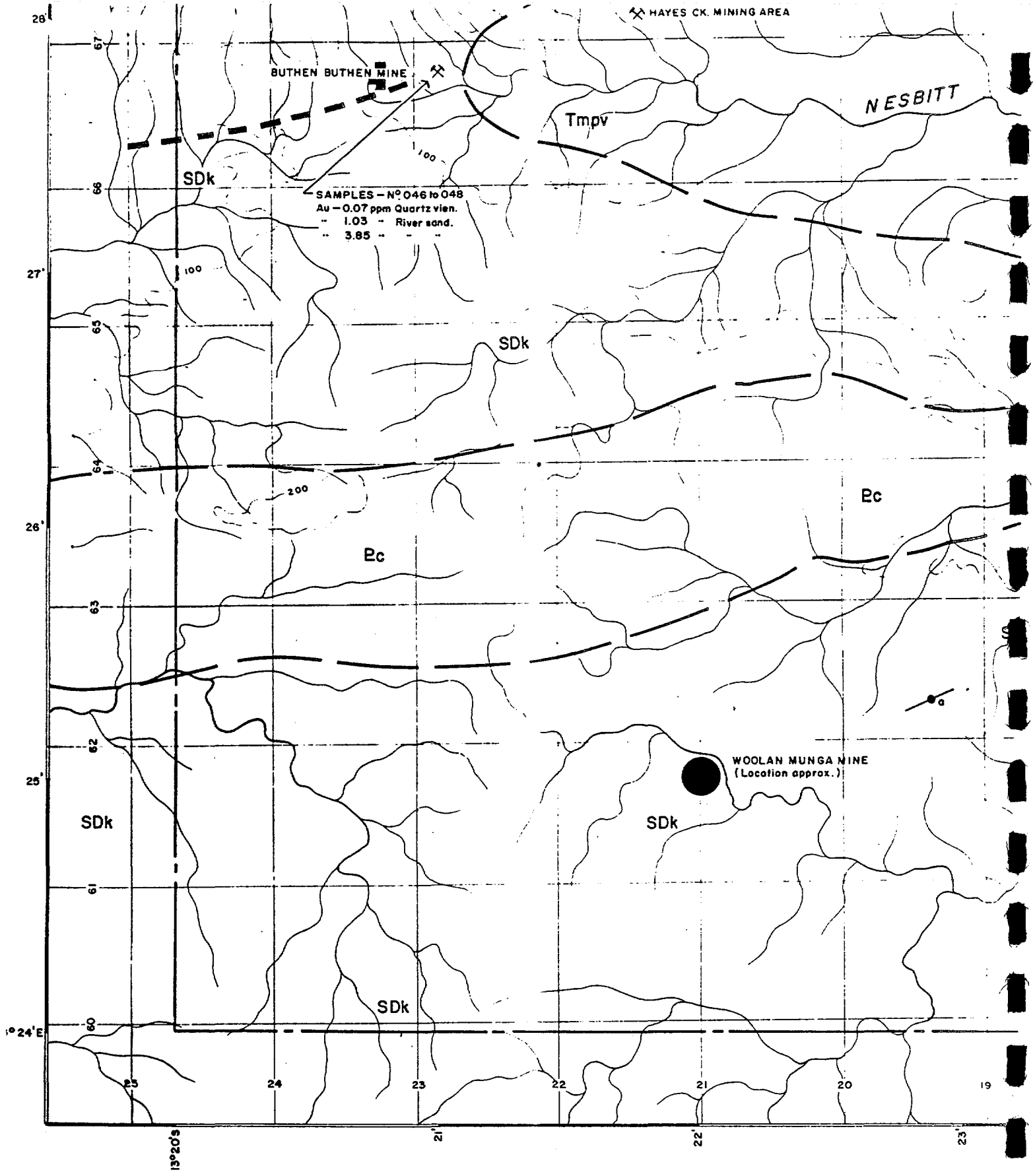
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: A Q-reef around 100cm wide.

REMARKS....:

REFERENCES.: WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 8784);WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 9412);Shepherd, S.R.Leonhard(1938);



LEGEND

CR 8784

WHITE INDUSTRIES (QLD) PTY LIMITED	
NESBITT RIVER – A to P No. 2613	
FIG.	GEOLOGY
SCALE 1:25,000 DATE MAY 81	CG – 104

DATA SHEET 39

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Buthen Buthen Group-Woolan Munga Mine REFERENCE NUMBER:657219

COMMODITIES ....: GOLD
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 08/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 765700 mE, 8521900 mN.
AMG SOURCE/ACCURACY: CR 9412/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7541
MINING DISTRICT : COOKTOWN
MINING FIELD....: HAYES CREEK

GENERAL AREA.: SW Howard Range
LOCALITY.....: 1.5km SW of Buthen Buthen mine

LOCALITY ACC.: CR 9412/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WHITE INDUSTRIES PTY LTD; AP 2613M; 1981; ABabdq, 0, [Ag,Au,As,Pb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: granite.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault.

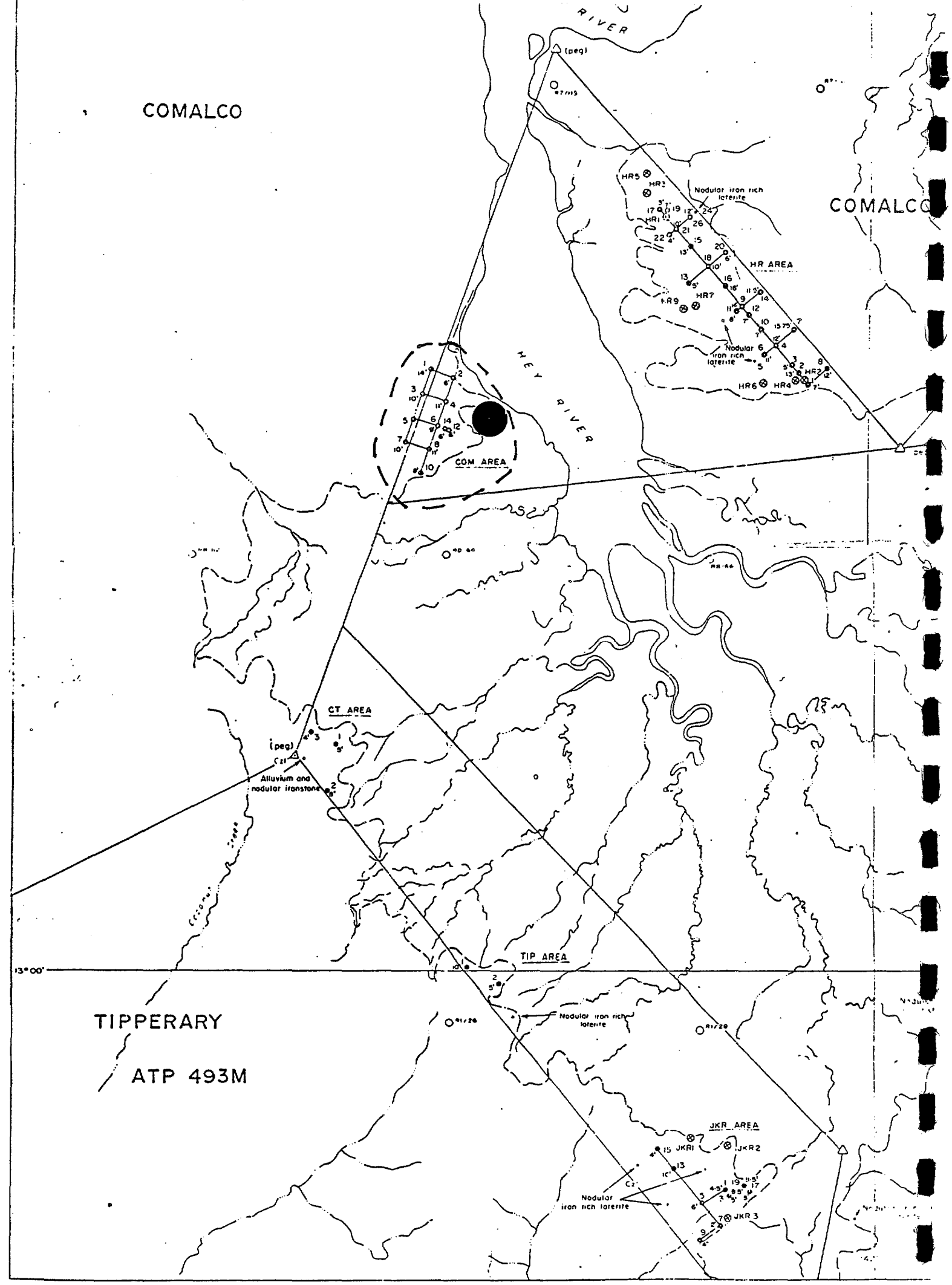
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU, PY.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS:

REMARKS....: #M1 A Q-reef around 100cm wide.

REFERENCES.: WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 8784);WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 9412);Shepherd, S.R.Leonhard(1938);



CR 4557 / Plate 1

DATA SHEET 40

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: COM - Area

REFERENCE NUMBER:950795

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 15/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 595000 mE, 8579500 mN.
AMG SOURCE/ACCURACY: CR 4557/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: WEIPA 7272
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: South of Weipa
LOCALITY.....: 19km SSW of Weipa Airstrip

LOCALITY ACC.: CR 4557/ 100m

MINING TENURE.....: SBML-8

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Wolff, Kevin W.(1990)possible BX:5100000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRAL-PACIFIC MINING Co LTD; Ap 838M; 1970; CEcelq,3, weathered surface soil strata.

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2.0m av.vert.depth..

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX
GANGUE .....:

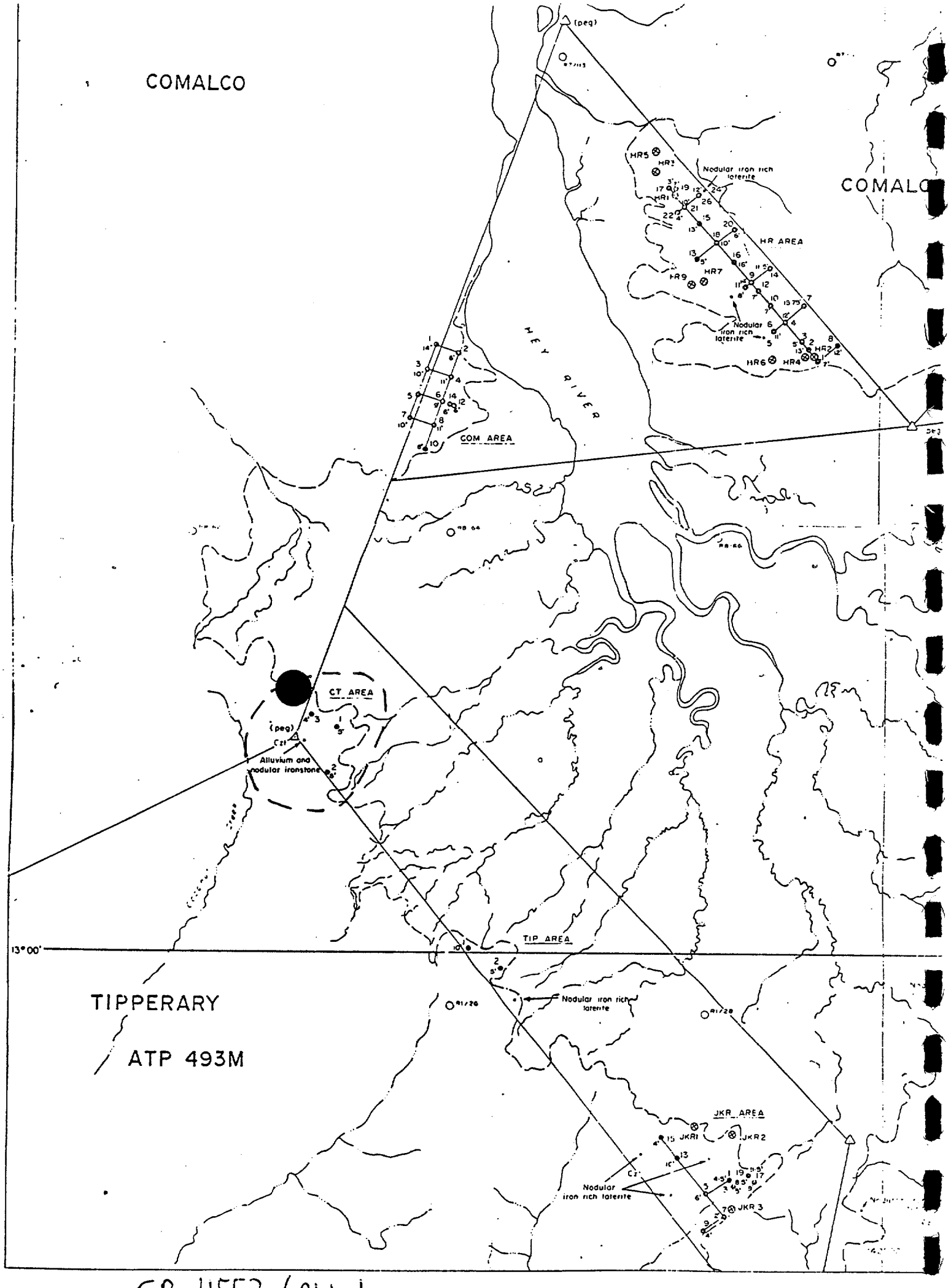
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #DDAlcan Australia LTD holds Special Bauxite Lease No.8, situated NE of Comalco's Weipa minesite, ajoining SBML-1. #M1Approx. 5 square miles of pisolitic aluminous laterite have been located by detailed exploration drilling in AP 838M, representing 33.5 million tonnes of material. 19.1 million tonnes have grades >45%Al2O3,<15%SiO2. 1.9 million tonnes of this are within the current economic limit of >40%Al2O3,<8%SiO2. #M2In the COM-drilling area 11 holes(20m) estimated 5.1 million tonnes of ore. Average thickness of pisolitic horizon was 2m.

REFERENCES.: Wolff, Kevin W.(1990);AUSTRAL-PACIFIC MINING Co LTD(1970, QDRI unpublished company report CR 4557);



CR 4557 / Plate 1

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Caledonia (Page 1 of 2) REFERENCE NUMBER:438177A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..: 16 Pit(s).
EXTENT OF WORKINGS: LENGTH: > 900 m, WIDTH: 3.0 m, DEPTH: 1.5 m
AMG GRID REFERENCE.: 743800 mE, 8417700 mN.
AMG SOURCE/ACCURACY: CR 8122/ 100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: EBAGOOLA
GENERAL AREA.: Great Dividing Range
LOCALITY.....: 0.8 km NW of Ebagoola
LOCALITY ACC.: CR 8122/ + 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included).
TOTAL PRODUCTION (ORE) : 3438t ,
TOTAL PRODUCTION (METAL):102.4kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD, AP 2078M; 1979; ABCIYbej,5[Pb,Zn,Cu,As,Mo,Sn,Au,Co,Mn,U]-;CRA EXPLORATION PTY LTD, AP 2257M; 1980; AIJOYbejhq,3, [Au,Ag,Pb,Zn,Cu,As],-; CRA EXPLORATION PTY LTD, AP 2252M/2255M/2256M; 1981; ACNOabcdefq,0, [Au,Ag,Pb,Zn,Cu,As],-;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 900.0m av.long x 3.0m max.wide . orebody; Strike 000deg/70deg dip to 090deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic.
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU,AG.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Sheared (vein) min.

REMARKS....: #DDThis mine belongs to the northern part of the Hamilton goldfield, the Ebagoola gold workings. Outcrop is poor. #GMAu-min. localised in narrow Q-veins within a sequence of SER-FS-Q-MUS-SILL schist and gneiss. #ALSER, minor CHL and PY alteration occurs immediatly surrounding the Q-veins (not more than 1-3m into country rock). #PRPast mining grade reported to be as high as 30 to 60g Au/tonne. #DDThe Ebagoola goldfield consists of a number of small workings in three separate, roughly parrallel lines stiking NNW (Caledonian L., Hit or Miss, Eastern L.;Distance between lines is 350 to 400m). Strike length 3.5km. #MNFractured white sugary quartz bed exposed in one pit. It dips 70 E; Footwall section worked down to 1m depth.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);

NAME(S).....: Caledonia (Page 2 of 2)

REFERENCE NUMBER:438177B

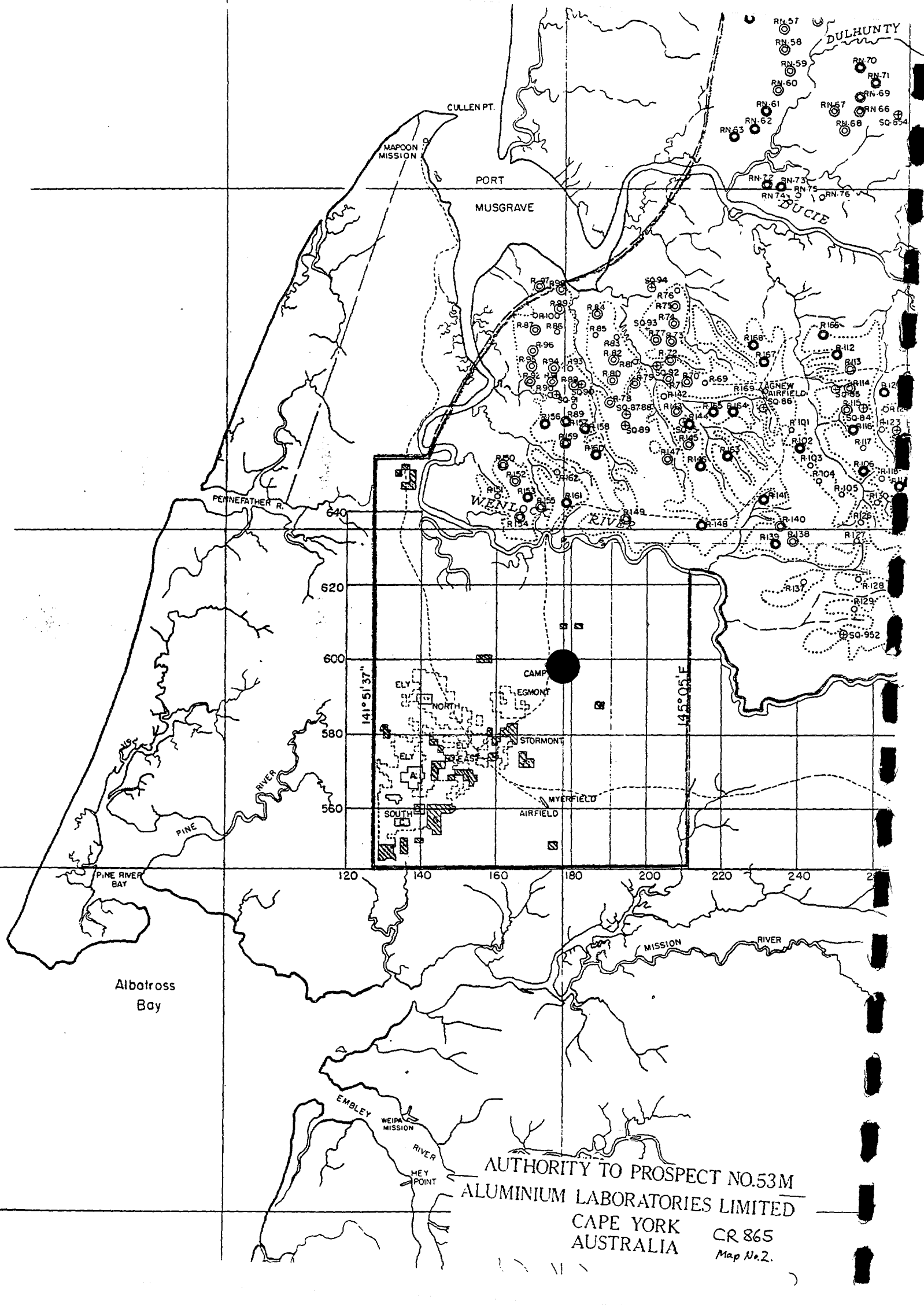
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MNWhite to translucent Q. contains black slivers of unknown comp. (telluride?), graphite and fine grained, partly oxidised sulphides (PY common, up tp 10% by volume in places). Minor Q-FS-MUS schist (acid volcanic) is also present. Composite grab samples contain between 0.3 and 3.6 ppm AU (In one case a sample assaying 20.7 ppm AU). Exact distribution of Au not known (1). Association of anomalous and above threshold arsenic with the AU-workings is evident. But also high arsenic values in areas of no knn gold min., which do not always have to be an indication for AU. The min. is limited to narrow shears and fractures). #M1Detailed sampling of the "C" horizon: analysed for Cu, Pb, Zn, U, and As.

REFERENCES CONTINUED.:



AUTHORITY TO PROSPECT NO.53M
ALUMINIUM LABORATORIES LIMITED
CAPE YORK
AUSTRALIA

CR 865
Map No.2.

DATA SHEET 44

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Camp Egmont REFERENCE NUMBER:043320

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 604300 mE, 8632000 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

1:250 000.....: WEIPA SD54-03
1:100 000.....: PENNEFATHER RIV 7273
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast/S of Wenlock River
LOCALITY.....: 9.5km NW of Myerfield landing ground
LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1961)possible BX:15000001g t @45.0%A1A1,ALUMINIUM LABORATORIES LTD(1961)possible BX:127500001g t @45.0%A1A1,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,5, weathered surface soils;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite with pisolitic bauxite.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 3.5m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile.

REMARKS....: #MSLaterite soils, particularly pisolitic laterite and bauxite, are generally present on peneplain remnants (with 20 miles zone along present shoreline of the Gulf of Carpentaria). Ferruginous, porous and relatively hard laterite masses are common along slightly denuded areas. Where drilled, bauxite and laterite were both found to be underlain by clays, brownish to white mottled or veined in colour. #PRBauxite reserves (basis:<15%SiO2,>45%Al2O3): 12750000 long tons (possible) with av. thickness 3m and av. 0m overburden; (basis:<7.5%SiO2,>45%Al2O3): 1500000 (possible; 2m av. thickness, 1.6m overb.). #M1All tonnages on crude wet basis, while grades on dry basis.

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);

DATA SHEET 45

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE-DATA SHEET

NAME(S).....: Chandogga Point Area REFERENCE NUMBER:725061

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 672500 mE, 8806100 mN.
AMG SOURCE/ACCURACY: CR 5698/ 1000m

1:250 000.....: CAPE YORK SC54-12
1:100 000.....: CAPE YORK 7476
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: Eastcoast Newcastle Bay
LOCALITY.....: E of Newcastle Bay

LOCALITY ACC.: CR 5698/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O. (AUSTRALIA) PTY LTD; AP 1519M; 1975; adl, 0,-;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sand,minor calcareous sand.
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR, LEUCOXENE
SECONDARY MINERALS:
GANGUE .....: Q.

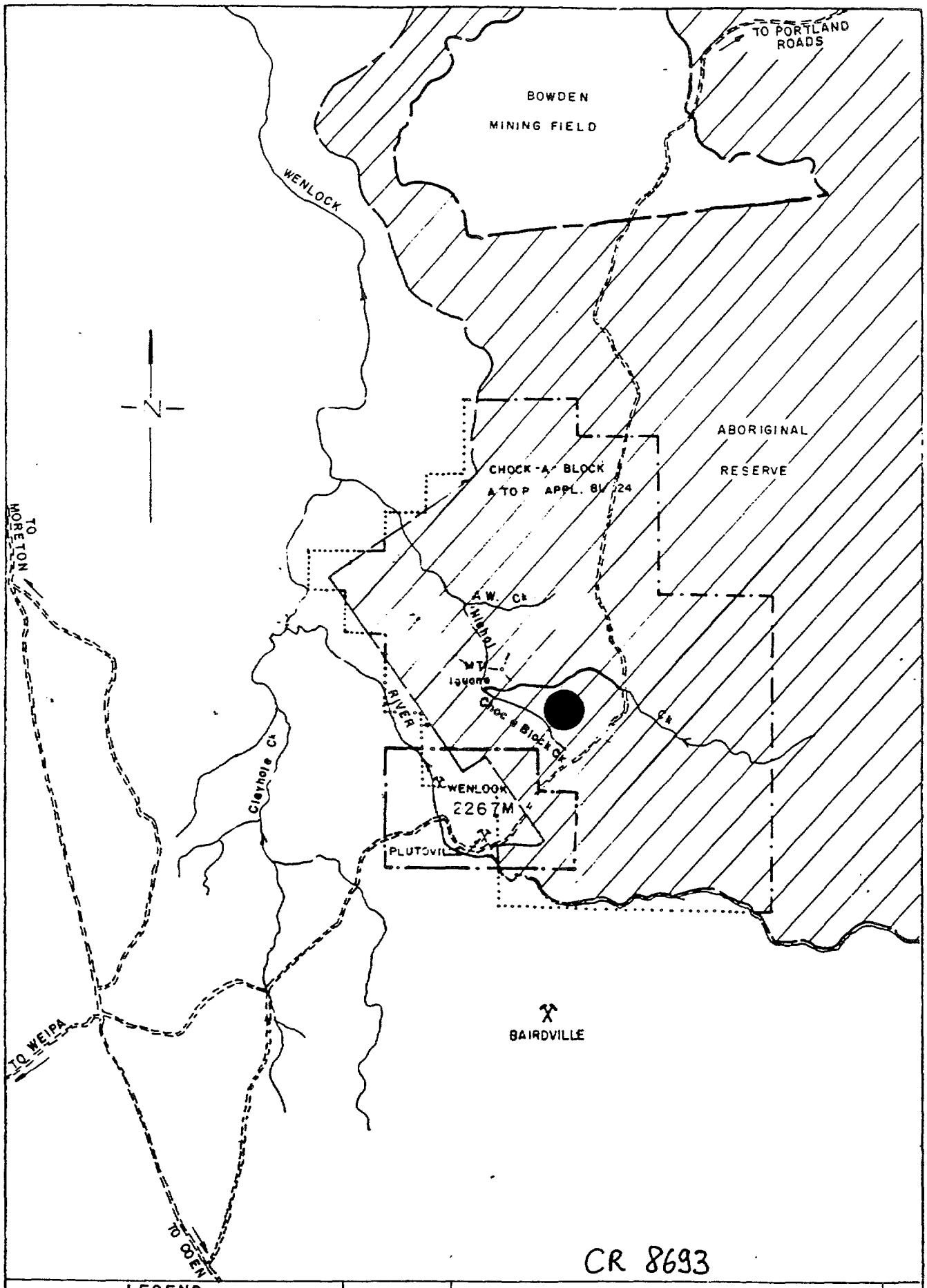
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDArea belongs to Aboriginal Reserve Cape York. #M132 Drilling holes have been forwarded with average depths of 6m(deepest 17m). Seven samples showed content over 0.5% heavy minerals. Grain count data also favourable with 58% of non magnatics in northern area(1). #M2TABLE: %Magnetics: 41.95; %Nonmagnetics: 58.05; % Zirkon: 18.34; %Rutile: 15.62; %Leukoxen: 14.84; %Others: 9.25;

REFERENCES.: A.O. (AUSTRALIA) PTY LTD(1975, QDRI unpublished company report CR 5698);



CR 8693

LEGEND

- TRACK / ROAD
- WATER COURSE
- A TO P BOUNDARY
- WORKINGS

GOLD COPPER EXPLORATION LIMITED

0km 5 10 15 20

SCALE: 1:250 000

DATE 2-4-81

GEO/SURV R.W.

DRAWN S.W

CHECKED N.L.

WENLOCK

AUTHORITY TO PROSPECT 2267M

REP C81/2 FIG 2

PLAN NO. WEN-033

DATA SHEET 46

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Choc-A-Block Creek **REFERENCE NUMBER:123576**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS: DEPTH: ~ 1.5 m,
AMG GRID REFERENCE.: 712300 mE, 8557600 mN.
AMG SOURCE/ACCURACY: CR 8693/fig.2/ 1000 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: NE WENLOCK RIVER
LOCALITY.....: ~1.8 km SW of Iguana Mt. 229.

LOCALITY ACC.: CR 8693/ Fig. 2/ 1000 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPER EXPLORATION LTD; AP 2267M; 1981; ABDEPQOTabdefhjkq, 0, -;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE/ alluvial river deposits
HOST ROCK TYPE: Decomposed granitic material.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

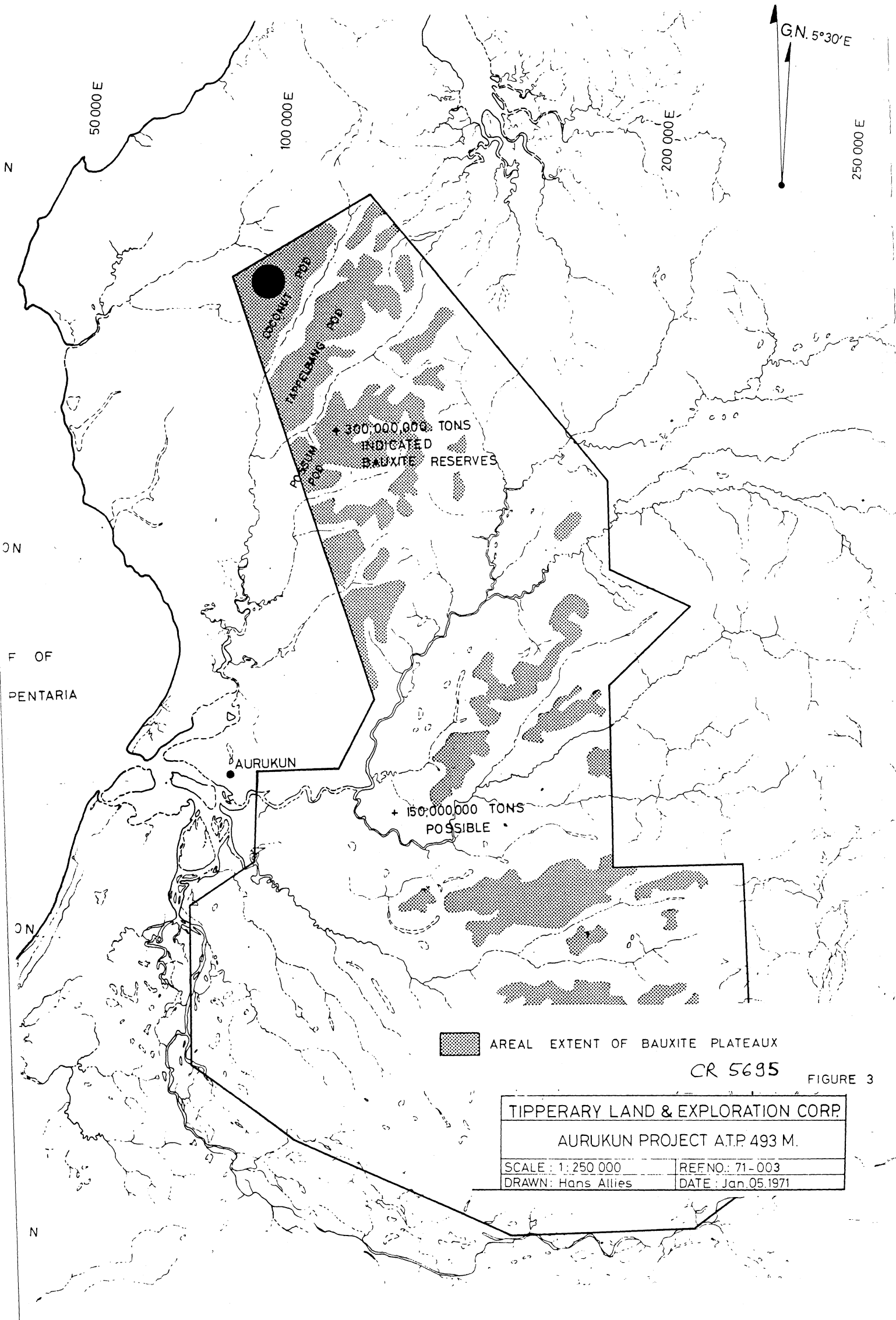
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: **ORE GRAIN SIZE..:**

ORE GENESIS: Gold occurs in decomposed granitic material to a depth of 1.5 m (eluvial).

REMARKS....: #GMGold has apparently been shed from a nearby leader. Generally in the Wenlock area, gold is being shed from palaeochannels at the basement/Mesozoic Sediment unconformity, and deposited in downslope eluvium (1; p.8). #DDLocation found in the Lockhart River Aboriginal Reserve! Only one sluicing claim (F.Wilson).

REFERENCES.: GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693);Morton, C.C(1930);



CR 5695

FIGURE 3

TIPPERARY LAND & EXPLORATION CORP.	
AURUKUN PROJECT A.T.P. 493 M.	
SCALE : 1: 250 000	REF NO.: 71-003
DRAWN: Hans Allies	DATE : Jan. 05. 1971

DATA SHEET 47

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Coconut Pod **REFERENCE NUMBER:830610**

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 22/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 583000 mE, 8561000 mN.
AMG SOURCE/ACCURACY: CR 5695/Fig. 3/ 100m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: AURUKUN 7271
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: AURUKUN
LOCALITY.....: 38km NNE of Aurukun mission/ 5 km W of Beagle landing ground
LOCALITY ACC.: CR 5695/Fig. 3/ 100m

MINING TENURE.....: SBML-9

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:37800000t @54.0%AlAl,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:49100000t @50.0%AlAl,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:44400000t @50.0%AlAl,
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/Holland Aluminium Groupe Pechiney; AP 549M; 1971; BCTeflkost,5, weathered surface soil strata;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite/ arkose sandstones.
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS
GANGUE .....: Q,KAO,

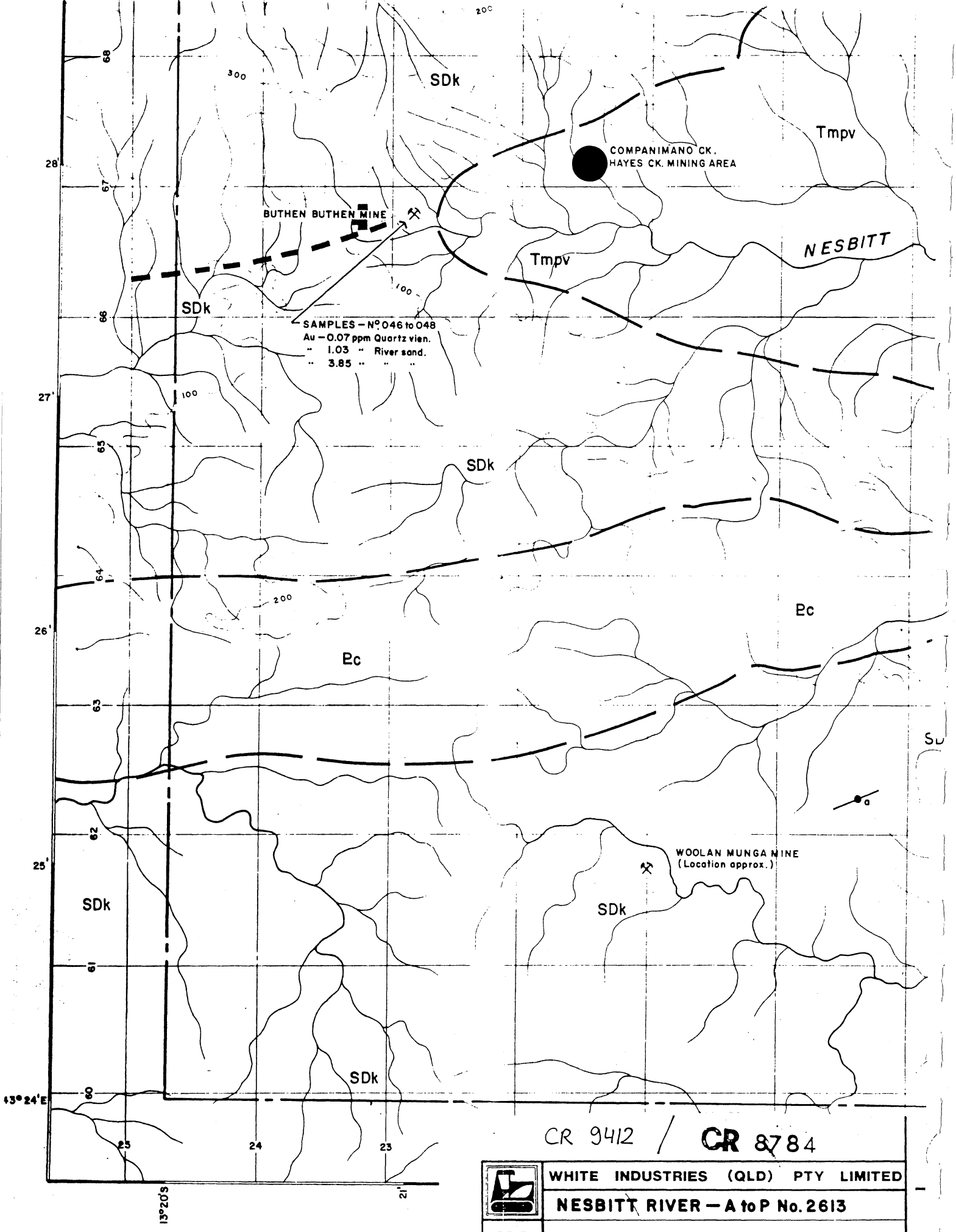
ORE TEXTURES....: Cataclastic.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soils, pisolitic bauxites.

REMARKS....: #MNAurukun BX has higher content of silica than Weipa BX causing high consumption of caustic soda during processing (2). #M1Alumina and reactive silica cut-off grades: 54%Al2O3 & 8%SiO2: 37800000 metric dry t; 50%Al2O3 & 8%SiO2: 49100000 t; 50%Al2O3 & 10%SiO2: 44400000 t; #M2The SBML-9 reserve held by Pechiney is concidered as a stretigic reserve as safeguard against Comalco exploiting its sole supplier situation.

REFERENCES.: Wolff, Kevin W.(1990);TL&EC/HOLLAND ALUMINIUM G PECH(1971, QDRI unpublished company report CR 5695); Aurukun Joint Venture(1975, QDRI unpublished company report CR 5696);



CR 9412 / CR 8784

	WHITE INDUSTRIES (QLD) PTY LIMITED
	NESBITT RIVER – A to P No. 2613
FIG.	GEOLOGY
SCALE 1:25,000 DATE MAY 81	CG – 104
DRAWN M.P. CHECKED	

Tmpv MESOZOIC ALLUVIUM

DATA SHEET 48

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Companimano Creek **REFERENCE NUMBER:671214**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 08/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 767150 mE, 8521400 mN.
AMG SOURCE/ACCURACY: CR 9412/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Howard Range, Hayes Creek.
LOCALITY.....: 1.5KM SSE of Buthen Buthen Min e
LOCALITY ACC.: CR 9412/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WHITE INDUSTRIES PTY LTD; AP 2613M; 1981; ABabdq, 0, [Au,As,Ag,Pb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: LILYDALE BEDS
HOST ROCK TYPE: Clayey, quartztose sands, sandy clay
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

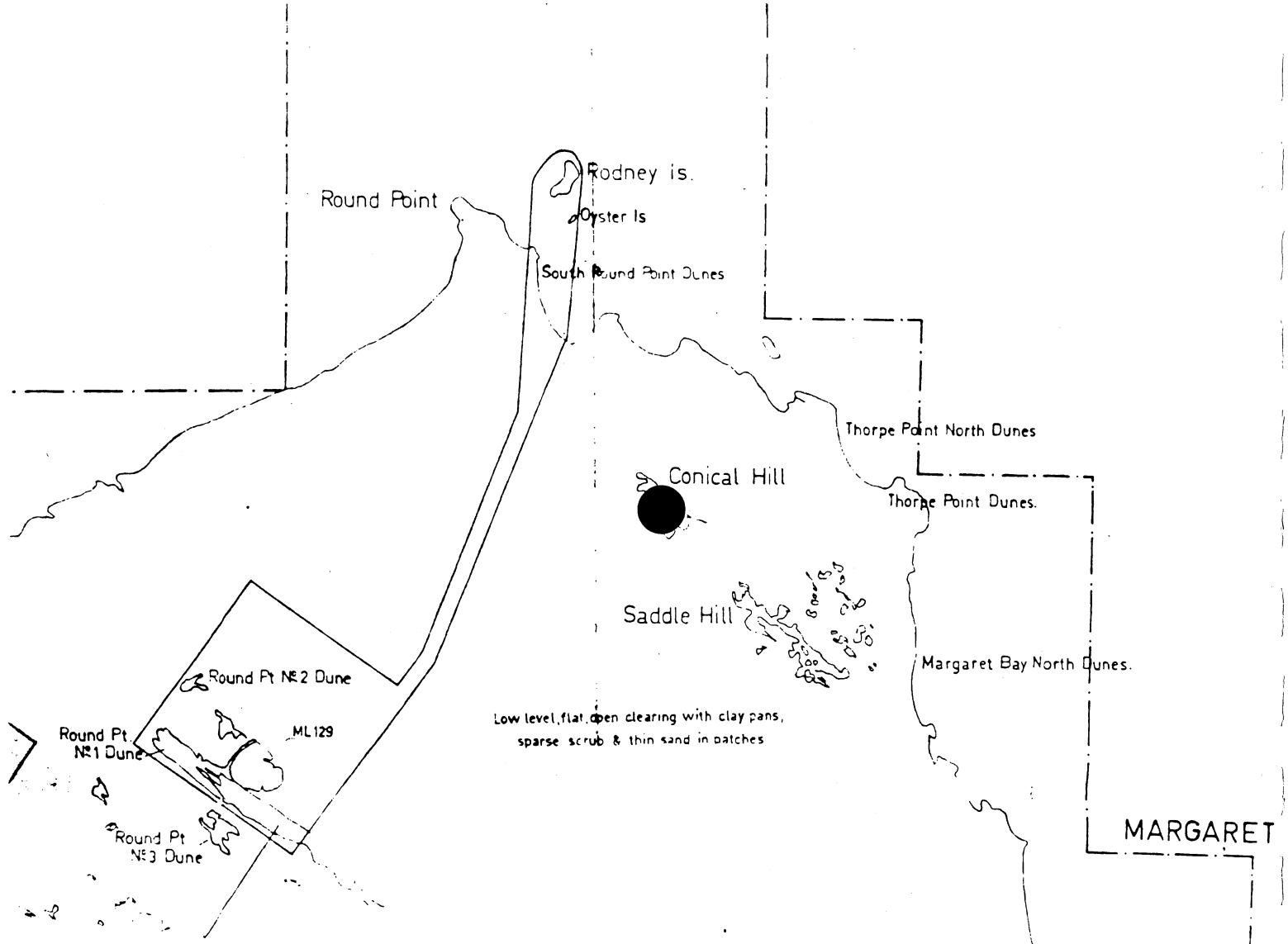
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU,PY,GAL,ASPY.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS:

REMARKS....: #M1Exposed over 1.83m with GAL,PY,ASPY and free AU (2).

REFERENCES.: WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 8784);WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 9412);Shepherd, S.R.Leonhard(1938);



A.C.R. Leases
(l area = 4,877 acres)

A.P. 1222

STATE A to P's

CR 4857

A.

AUSTRALIAN CONSOLIDATED INDUSTRIES LTD.			
MAP SHOWING APPROXIMATE A.C.R. LEASE BOUNDARIES AND APPROXIMATE ALLSTATE A.to P. BOUNDARIES AT SHELBURNE BAY, Nth QLD.			
Survey By: Aerial & Survey Maps	1in = 0·79mls = 4000ft.	INDEX No.	SHEET No.
Drawn By: G R Pollington.	Scale: 1cm = 0·5kms = 500ms.	SB	1
Date: 20th November 1973.	1 : 50,000 (approx).		

DATA SHEET 49

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Conical Hill **REFERENCE NUMBER: 290790**

COMMODITIES ....: SILICA SAND
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 729000 mE, 8679000 mN.
AMG SOURCE/ACCURACY: CR 2623/ CR 4857/ 1000m

1:250 000.....: THURSDAY ISLAND SC54-16
1:100 000.....: CAPE GRENVILLE 7574
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 3km SSE of Round Point

LOCALITY ACC.: CR 2623/ CR 4857/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Macdonald Wagner(1981)Dune sand:20000000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.;AP 468M; 1968; ABle, 0,-; R.HARE + ASSOCIATES: AP 468M; 1968: AB1, 0,-: QUEENSLAND SILICA PTY LTD; AP 1222; 1977; aeluo, 0,-;
TECHNIQUES USED ...: Geology,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SILICA.
SECONDARY MINERALS:
GANGUE .....: Q.

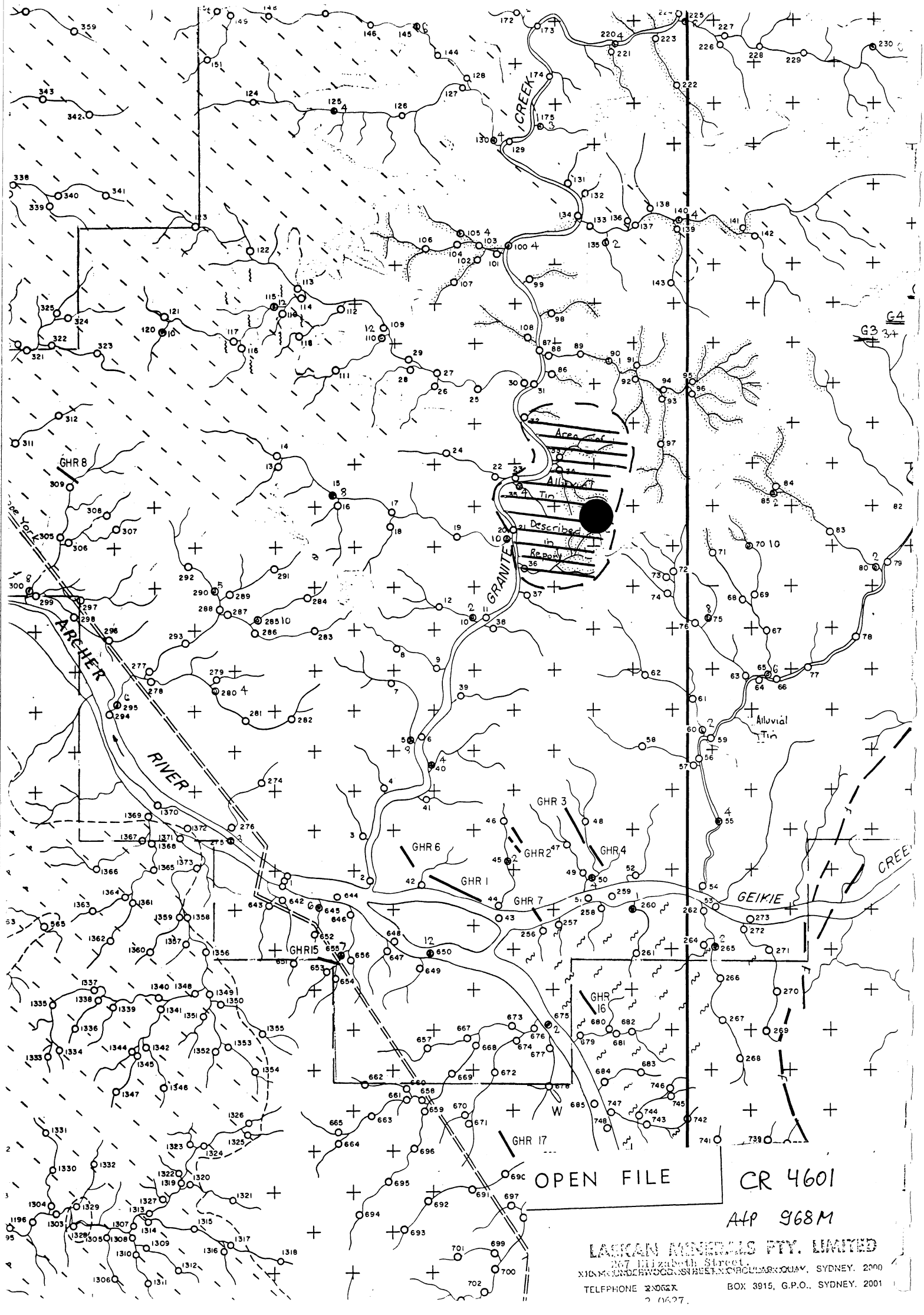
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. Main min. sought in the area: silica, ZR, RUT, and Monazite. Minerals apart from silica are of minor occurrence (5).

REMARKS....: #PROver 500 mill.y3 of high grade, relatively easily mined silica sands. #M1Transport of the sand mainly by SE-winds. Dunes may be several km in length, mostly stabilized by dense, stunted vegetation. Crescent dunes are least contaminated by vegetation. #DDA zone of crescent dunes occurs between White Point and Round Point and up to three miles inland, contains the best prospects for clean silica sand from about ten dunes (1). #CMMost likely source is the Blythesdale Sandstone within and near the AP. Hoever material currently being deposited along the Temple Bay shore is dominatly calcareous skeletal material derived from off-shore coral reefs.

REFERENCES.: R.HARE & ASSOCIATES(1968, QDRI unpublished company report CR 2503);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI


CREEK
GRANITE
ARCHER
RIVER
GEIKIE
CREEK
Area of Alluvial Tin Described in Report
Alluvial Tin
GHR 1
GHR 2
GHR 3
GHR 4
GHR 6
GHR 7
GHR 8
GHR15
GHR 16
GHR 17
G4
G3
OPEN FILE
CR 4601
A4P 968M
LAKAN MINERALS PTY. LIMITED
267 Elizabeth Street,
TELEPHONE
BOX 3915, G.P.O., SYDNEY. 2001

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Cook Tin Mine(Tin Gully) (Page 1 of 2) REFERENCE NUMBER:154200A

COMMODITIES ....: TIN,GOLD?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 715400 mE, 8520050 mN.
AMG SOURCE/ACCURACY: CR 10298/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: E Granite (Tin) Creek
LOCALITY.....: ~7km NNE of Archer River inflow
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....: ML 713,714,736,737,800,865

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, 0, alluvial deposits; AUSTRALIA + NEW ZEALAND EXPLORATION Co.; AP 1933M; 1979; ABacdfq, 0,-; GEOPEKO; AP 2859M; 1981;-; COOK BROTHER; AP ;1977;-;
TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins, Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST,MOLY,(W),(MT),(GA),(ZR),(MONAZITE),(AU)
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial CST (detrital). Tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and upper tributaries of Granite Ck. Moly, W fairly signif. in stream samples.

REMARKS....: #MSRelatively minor terracing in assoc. with the creek system. Number of scree and talus covered slopes offer considerable tonnages, but tin content in insufficient to support even a small recovery operation (2m overburden on lower slopes)(2).Mainly CST. On heavy min.: MT abundant, relatively minor: ZR, GA, MONZ (2). #DDAlluvial workings in the whole drainage system of Granite Creek (Tin Creek). Area of about 4-5 sq.km. #MNCST occurs in free state and as crystals in greisen in constant assoc. with granites. #CMPrim. tin min. assoc. with intrusion of WOLVERTON ADAMELLITES (no known lode occurrences). A possibility of disseminated intra-granite min. mentioned (3). Secondary (detrital) deposits show two major fluviatile aggradational cycles in the area.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216); AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);GEOPEKO(1981, QDRI unpublished company report CR 9074); GEOPEKO(1981, QDRI unpublished company report CR 10298);WOLVERTON TIN PTY LTD(1981, QDRI unpublished company report CR 977

R9107812

NAME(S).....: Cook Tin Mine(Tin Gully) (Page 2 of 2) REFERENCE NUMBER:154200B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

Primary and secondary ore deposits: 1.vein min. with tin and wolfram; 2.alluvial deposits with tin and heavy minerals.

REMARKS CONTINUED.:

#GMCycles of secondary deposits: 1. Mesozoic (U.J.) and 2. Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quarternary). Falloch Beds (stanniferous CZ sed.) cover large portion of the area (average 2 to 5m thick). #PRTin grades are very variable (like the thickness) Up to 0. 89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl.gravel show high degree of variation(0.2 - 0.9 kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained ("#MSSeveral"(3) exploratory costeans in Granite Creek indicated moderate to high grade (0.45 to 1.00 kg SnO2/m3) concentrations of tin. Typically in Granite Creek alluvium is "ponded' over several km lengths, behind intermittent granite bars; #MShence th widths and thicknesses of alluvium vary considerably. #DDAverage channel width of alluvium in Granite Creek is some 100m respectively, and thickness varies from 2 to 4 m approx. #MN"Wash" size likewise varies from pebble-cobble gravels to occasional boulder gravels in the upper reaches of Granite Creek. Composition is heterogenus mixture of basement rocks and older strata. Intermontane deposits of Granite Creek drainage basin: Drainage B: 125 km2; Alluvium: 36 km2; Relative % of alluvium: 28.8% (#DDLocality shown on topographical map 7471; this Ref.No. includes all the old alluvial workings in an area of about 2 sq.km around this point. #CMWolfram is probably assoc. with tin in the Q-veining in the Wolverton Adamellite. #M2Alluv. tin recently was mined in this area (1978-1979 by the Cook Brothers on the eastern side of Granite Cr.) The wash along these gullies is rel. narrow (20-30m) and shallow (<2m). Grades are patchy, up to 3.5kg SnO2/m3 (av. 0.8 kg/m3). One of the largest reported mining operations in the Cooktown mining area between 78-79. Prod. around $100000 and $97000 respectively.

REFERENCES CONTINUED.:

DATA SHEET 52

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Cook's Prospect

REFERENCE NUMBER:456901

COMMODITIES ....: COPPER
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 11/12/89
METHOD OF WORKING..: Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 745600 mE, 8590100 mN.
AMG SOURCE/ACCURACY: CR 3164/ E.QPC Reconnais.-Iron R. Geol.Plan/1000m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 6 km NW Lockhart R. Airfield

LOCALITY ACC.: CR 3164/1000m

MINING TENURE.....: (ML 28, COEN)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:KENNECOTT EXPLORATIONS (AUSTRA.) LTD; AP 521M; 1969; BCEdbcq, 6, [Cu,Mo,Pb,Zn,Ni],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Greenstone metamorphics.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : (PY),(CPY).
SECONDARY MINERALS: MAL,AZ.
GANGUE .....:

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine

ORE GENESIS: MAL and AZ are min. in connection with shear zone close to the KINTORE ADAMELLITE. PY and CPY are not worked at this locality (mostly altered to MAL).

REMARKS....: #MNCu min. occurs sporadically in the Greenstone of the Iron Range schist formation as minor slashes of MAL and AZ with traces of PY and CPY. Best concentrations related to minor shearing. The Greenstone is massive and contains MT, CHL, and occas. GA. Outcrops are poor and covered by thick vegetation. Character sample showed 1.65% Cu. #M1A total of 735 samples collected and analysed by AAS [Cu,Pb,Mo,Zn,Ni]. #DDLocality belongs to National Park at Claudie River/Max's Ridge.

REFERENCES.: KENNECOTT EXPLORATION LTD(1968, QDRI unpublished company report CR 3164);

DATA SHEET 53

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Cook's Prospect REFERENCE NUMBER:466910

COMMODITIES ....: LEAD,COPPER
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 11/12/89
METHOD OF WORKING..: Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 746600 mE, 8591000 mN.
AMG SOURCE/ACCURACY: CR 3164/ E.QPC Reconnais.-Iron R. Geol.P lan/1000m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 6 km NW Lockhart R. Airfield

LOCALITY ACC.: CR 3164/1000m

MINING TENURE.....: (ML 29, COEN)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:KENNECOTT EXPLORATIONS (AUSTRALIA) LTD; AP 521M; 1969; BCEdbcq, 6, [Cu,Mo,Pb,Zn,Ni],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite quartz micaschists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : GAL.
SECONDARY MINERALS: GOET,JAR,HEM.
GANGUE .....: Q.

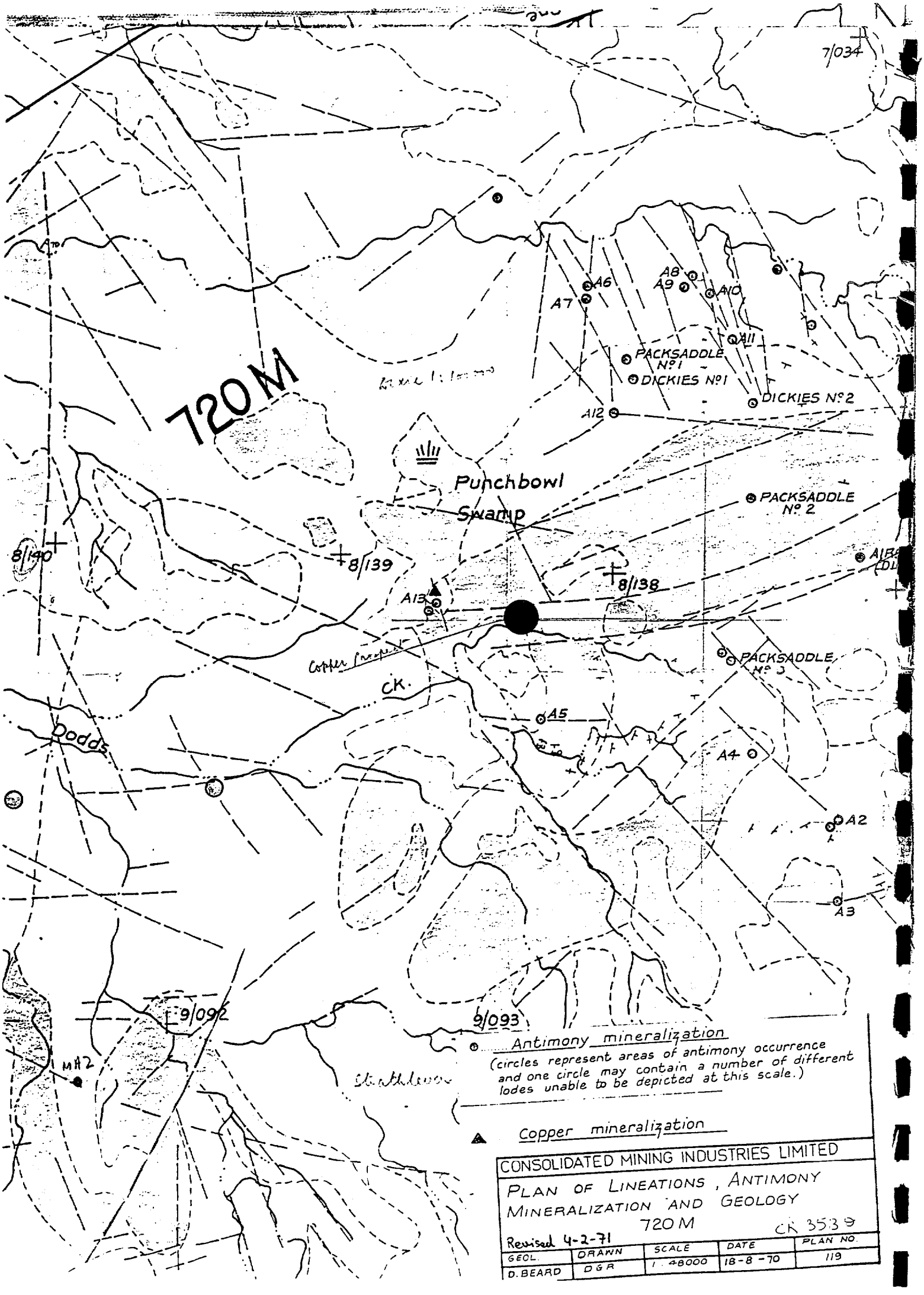
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDThe prospect lies about 1330m NE of ML 28. A shallow trench on a small soil-covered topographic high has exposed a GOET-JAR-HEM gossan with GAL. #M1There is no other exposure within the 10 acre lease which lies close to the contact between silicified calc-silicate rocks and Kintore Adamellite. #PRA sample from the gossan assayed 23.6% Pb and 0.1% Cu. #M1A total of 735 samples collected and analysed by AAS [Cu,Mo,Pb,Zn,Ni]. #CMAnomalous Cu-Pb-Zn values appeared to be related to shear zones in skarn/tactite rocks close to a contact with Kintore Adamellite. Insufficient min. for further interrest. #DDThe locality belongs to National Park at Claudie River/ Max's Ridge.

REFERENCES.: KENNECOTT EXPLORATION LTD(1968, QDRI unpublished company report CR 3164);



CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720M

Revised 4-2-71

CR 3539

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D. BEARD	D&R	1 48000	18-8-70	119

DATA SHEET 54

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Copper Prospect

REFERENCE NUMBER:663848

COMMODITIES ....: COPPER?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: LGC 20/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 766300 mE, 8284800 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: STRATHLEVEN 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIV.RANGE/ N "The Desert"
LOCALITY.....: 11.7km SSW of Killarney Hst

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);

AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO CPS - C

CR. 6846 (Open file)

DATA SHEET 55

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE-DATA SHEET

NAME(S).....: Creek 766 Skarn (Page 1 of 2) REFERENCE NUMBER:253254A

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725300 mE, 8525400 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 3.2 km E-ENE of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 150deg/Unknown dip.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q, (CARB).

ORE TEXTURES....: Banded, Disseminated.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1)). Pegmatites possible agents responsible for W mineralisation. #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread developm. of calc-silicate skarns. #MNMinor SCHE min. assoc. with some skarns, distrib. in fine veinlets of Q along cleavage fractures.

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);

NAME(S).....: Creek 766 Skarn (Page 2 of 2)

REFERENCE NUMBER:253254B

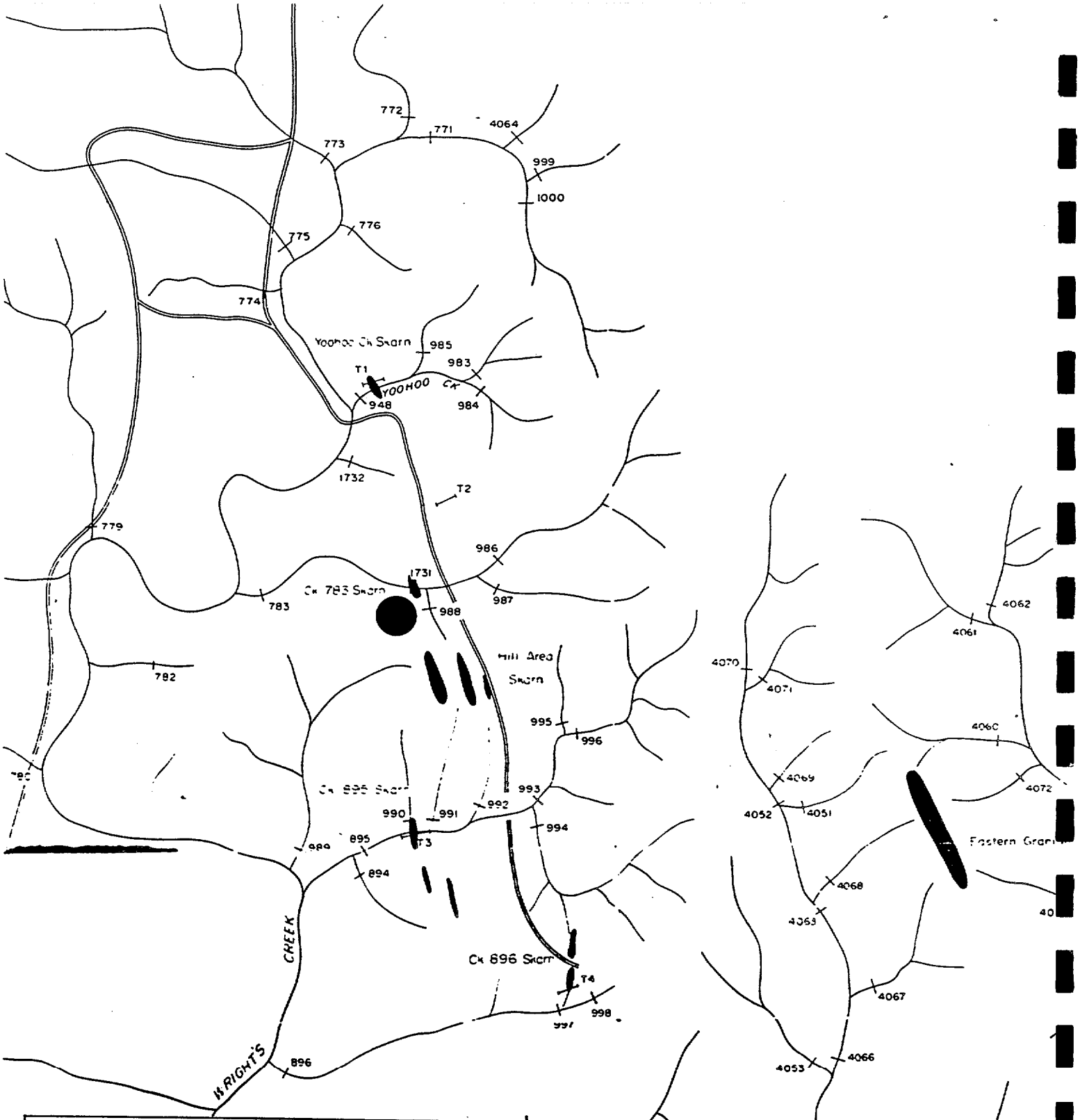
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#DD766 skarn: At the contact with K.A.: #MNThe skarn consists of tremolite-diopside rocks. It extends as a series of an echelon xenoliths into the adamellite, these xenoliths containing coarse (10-15 cm) tremolite porphyroblasts. Skarn appears contaminated by magma. Blue-white flourescing SCHE occurs as fine dissem. material estimated to grade less than 0.05% WO3.

REFERENCES CONTINUED.:



AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO CTS - C

CR. 6846 (Open File)

DATA SHEET 57

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Creek 783 Skarn REFERENCE NUMBER:253247

COMMODITIES ....: WOLFRAM,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725300 mE, 8524700 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 3.2 km E to ESE of Point 319

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co;AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CAST.
SECONDARY MINERALS:
GANGUE .....: Q.

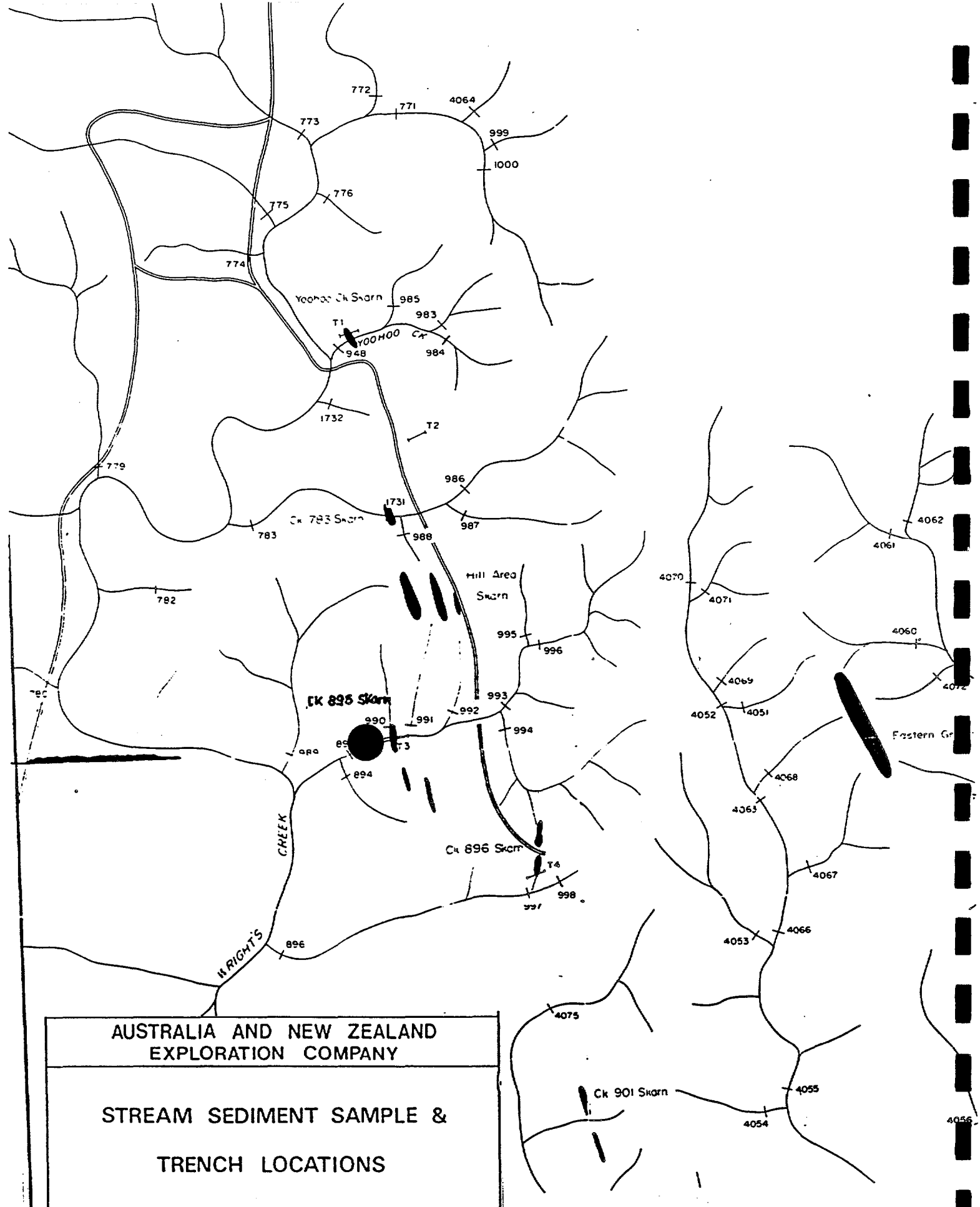
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1). Pegmatites possible agents responsible for tungsten mineralisation. #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread developm. of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distrib. in fine veinlets of Q along cleavage fractures. 783 skarn: EPD-DI bearing rocks (pegmatite/limestone contact zones?). Dissem. SCHE non eco

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);



AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO 078 - C

CR. 6846 (Open File)

DATA SHEET 58

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Creek 895 Skarn REFERENCE NUMBER:254242

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..: 1 Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725400 mE, 8524200 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 3.4 km ESE of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q.

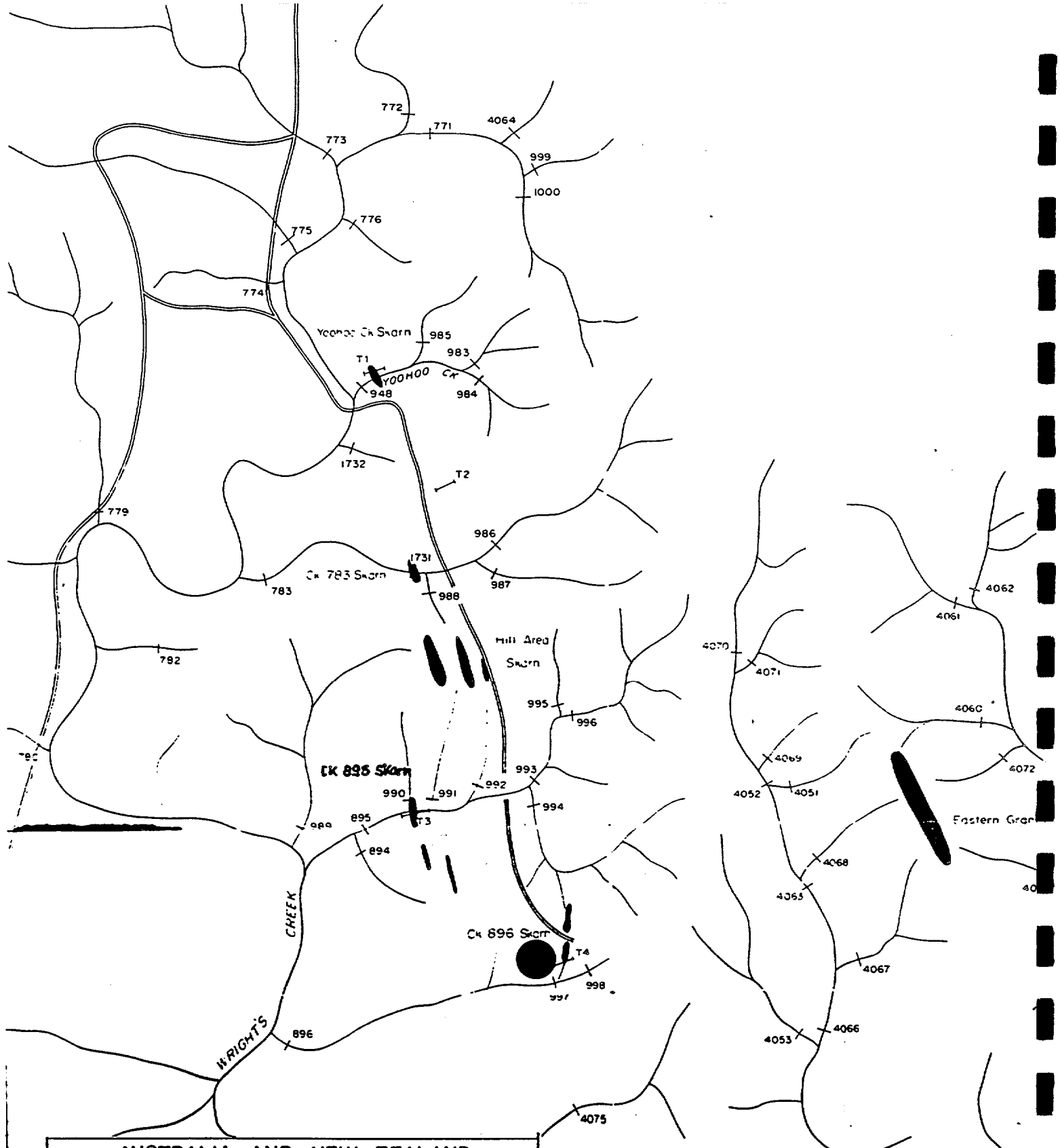
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1). Pegmatites possible agents responsible for tungsten mineralisation. #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow widespread development of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distributed in fine veinlets of Q along cleavage fractures. #M1895 skarn: Proved to be a unit of pegmatite bearing minor quantities of coarse SCHE.

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN P/ LTD(1982, QDRI unpublished company report CR 10216);



AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO CPE - C

CR. 6846 (Open file)

DATA SHEET 59

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Creek 896 Skarn (Page 1 of 2)

REFERENCE NUMBER:257240A

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..: 1 Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725700 mE, 8524000 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 3.7 km SE of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCE1fquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1)). Pegmatites possible agents responsible for tungsten min.; #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread development of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distributed in fine veinlets of Q along cleavage fractures.

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);

NAME(S).....: Creek 896 Skarn (Page 2 of 2)

REFERENCE NUMBER:257240B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#DD896 skarn: A pale green diopsidic skarn with dissem. SCHE/MolySCHE mineralisation. #PR2m trench sample returned an assay of 0.1% W.

REFERENCES CONTINUED.:

AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO C75 - C

CR. 6846 (Open File)

DATA SHEET 61

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Creek 901 Skarn — REFERENCE NUMBER:260232

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 726000 mE, 8523200 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 4.2 km SE of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian — MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

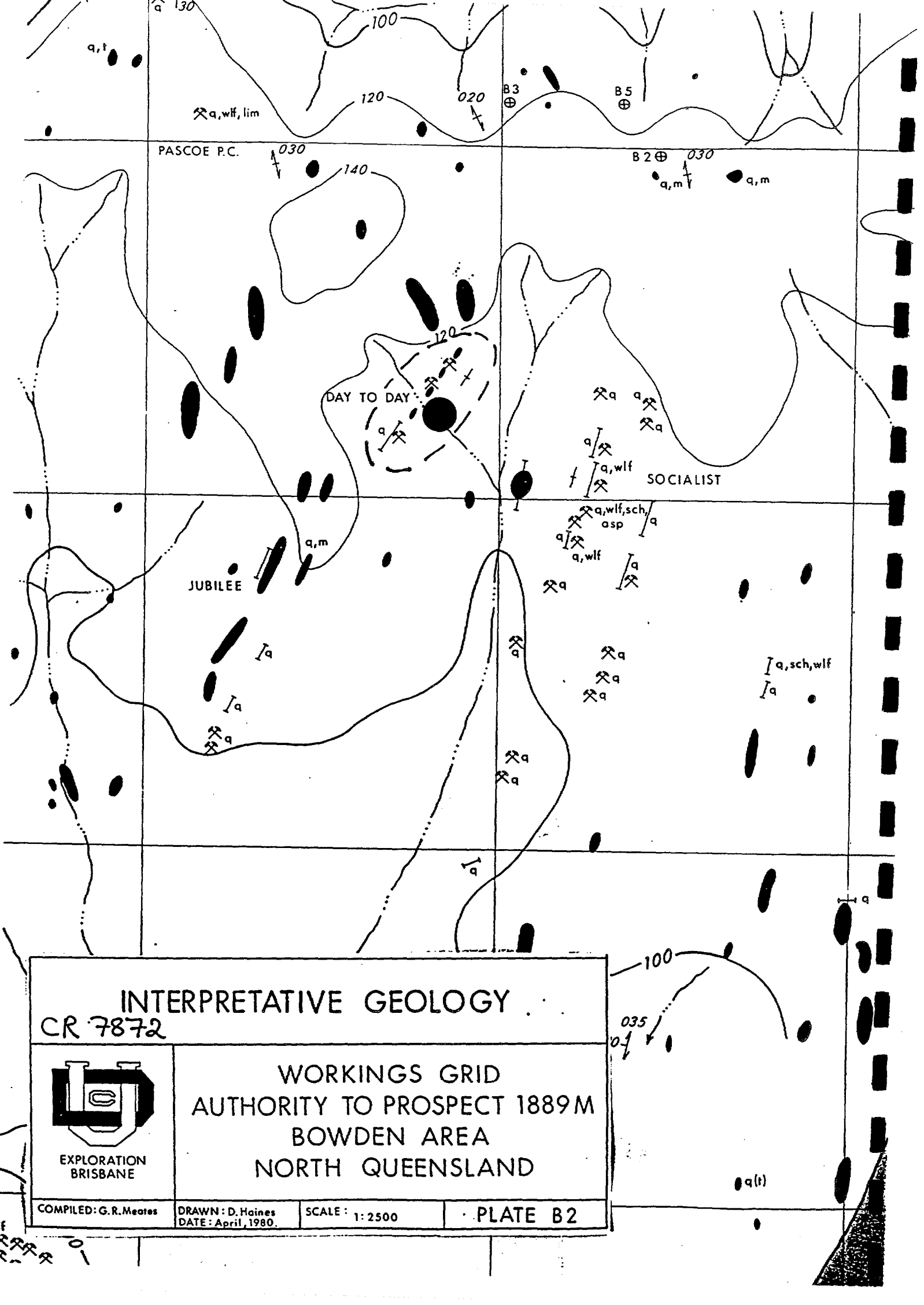
SUPERGENE ENRICHMENT DEPTH(m): — OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : — LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. — **ORE TEXTURES....:** Banded, Disseminated.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q. — **ORE GRAIN SIZE..:** Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1). Pegmatites possible agents responsible for tungsten mineralisation. #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread developm. of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distrib. in fine veinlets of Q along cleavage fractures. #DD901 skarn: DI-Q skarn containing minor quantities of dissem. SCHE (no econ.) 5m wide, 1

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);



INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R.Meates	DRAWN: D. Haines DATE: April, 1980.	SCALE: 1:2500	PLATE B2

DATA SHEET 62

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Day to Day Workings (Page 1 of 2) **REFERENCE NUMBER: 189812A**

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: 4 Pit(s), Trench(es).
EXTENT OF WORKINGS: WIDTH: 2.3 m, DEPTH: 13.0 m,
AMG GRID REFERENCE.: 718900 mE, 8581200 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

1:250 000.....: CAPE WEYMOUTH SD54-4
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN

GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 8.0 Km SW of M ount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 3 00m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916; 1952
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):7.0t W, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-;
CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork, Residual.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

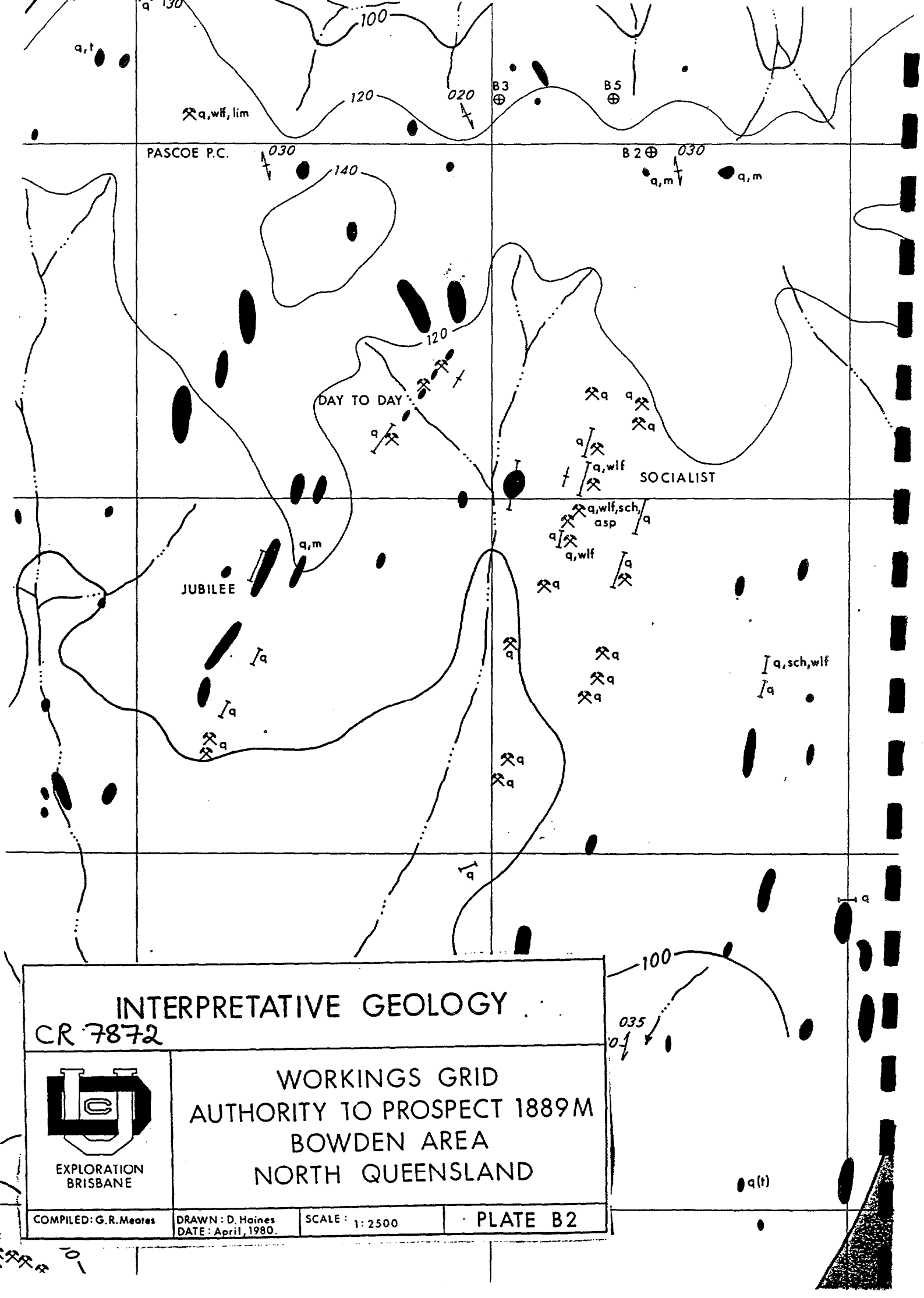
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

ORE MINERALOGY. **ORE TEXTURES....:** Schistose.
PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Q-reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock

REMARKS....: #GMQ-reefs formed by forceful injection into, and particial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by Q-veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). One major reef system in outcrop. Overall dip 7 to SE and it accounts for all worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min. forms halo to this min. system in the overlying rocks (2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wall rocks around the min.

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);



INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R.Meates	DRAWN : D. Haines DATE : April, 1980.	SCALE : 1:2500	PLATE B2

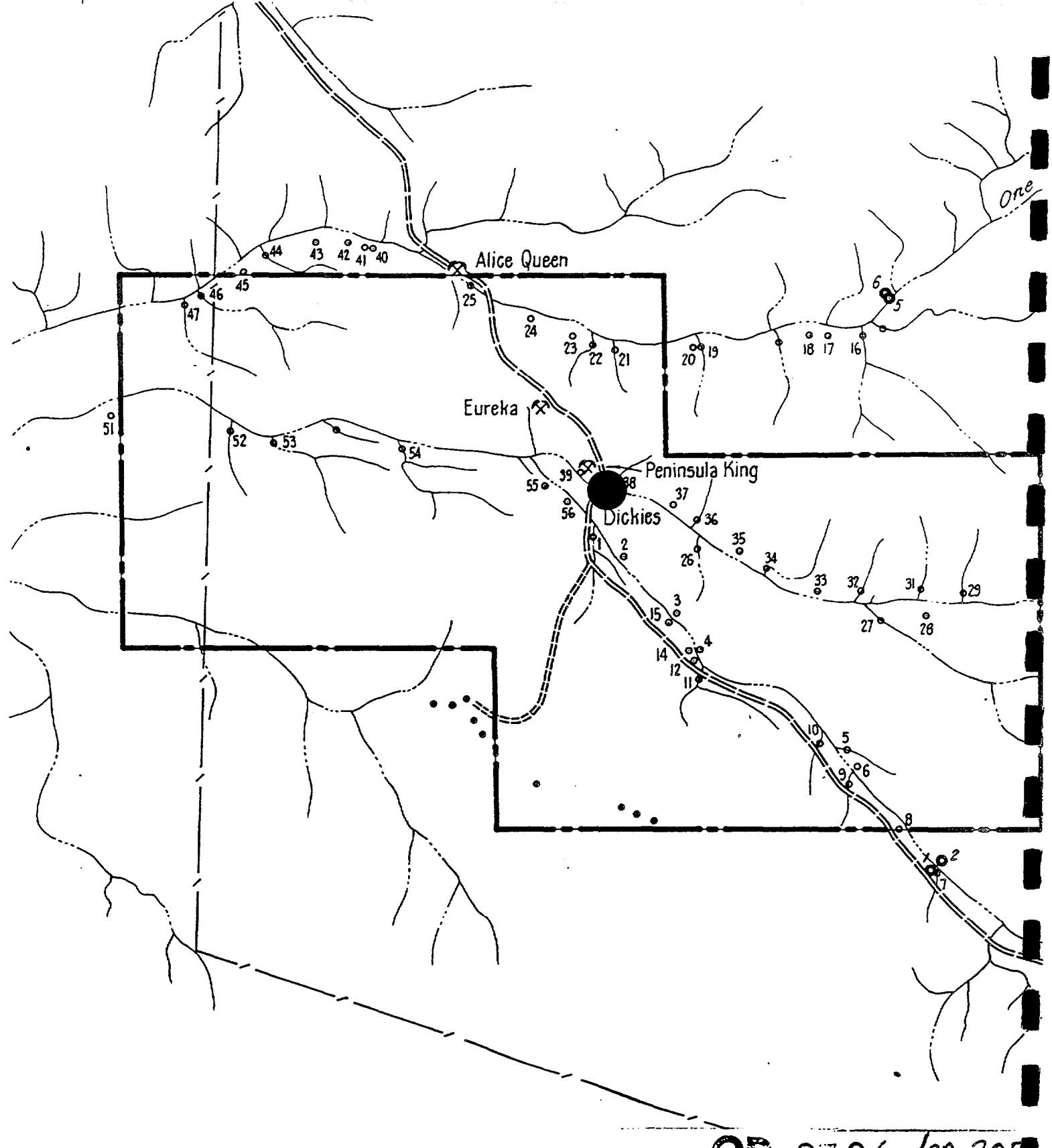
NAME(S).....: Day to Day Workings {Group} (Page 2 of 2) REFERENCE NUMBER:189812B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE.
Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:
#ALQ-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in a strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to the contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with strike and dip of the schists (few occupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil Geo: W (<5-1200 ppm) anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosityor discordant. Reefs are lensic (swell from nothing to several m.) (1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (average thickness: 1 to 1.5 m). Rock chip: 9 reefs anomalous in W: averaging at 0.22% W. 4 reefs aver. at 0.51%W (Range 0.41-0.56% W)(8). #DDDAY TO DAY: Same Line as Jubilee, adjoining it easterly. Timbered shaft down 6.6 m following a lode of similar kind of that of the Jubilee (7).

REFERENCES CONTINUED.:



CR 8706 / CR 305

CSR LIMITED - MCD

A to P 2605M ALICE RIVER NTH. QLD.

SAMPLE LOCATION PLAN

SCALE : 1 : 50,000		DRG. No.
DRAWN : K.M.K. / P.R.		D 5416 – 1
DATE : March '81		

DATA SHEET 64

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Dickies

REFERENCE NUMBER:456903

COMMODITIES ....: ANTIMONY,GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: DAM/LGC 04/04/90
METHOD OF WORKING..: Underground, Pit(s).
EXTENT OF WORKINGS: DEPTH: 30.0 m,
AMG GRID REFERENCE.: 745600 mE, 8290300 mN.
AMG SOURCE/ACCURACY: CR 3059/ 100m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....: ALICE

GENERAL AREA.: S COLEMAN RIVER
LOCALITY.....: 5.5km E of junct."One Mile Ck. "/"Dickies Ck."/23km W of Kill
LOCALITY ACC.: CR 3059/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 520M; 1970; ABGIJKabcdefhil,5[Ag,Cu,Ni,Pb,Sb,W,Zn], reef ore; CSR LTD; AP 2605M; 1980; Aabcdek,0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE: Adamellite, schist.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: FAULT/OREBODY; Strike 170deg/Unknown dip.

FORM/TYPE .....: Veins, Breccia-fill.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : GAL,ASPY
SECONDARY MINERALS:
GANGUE .....: Q

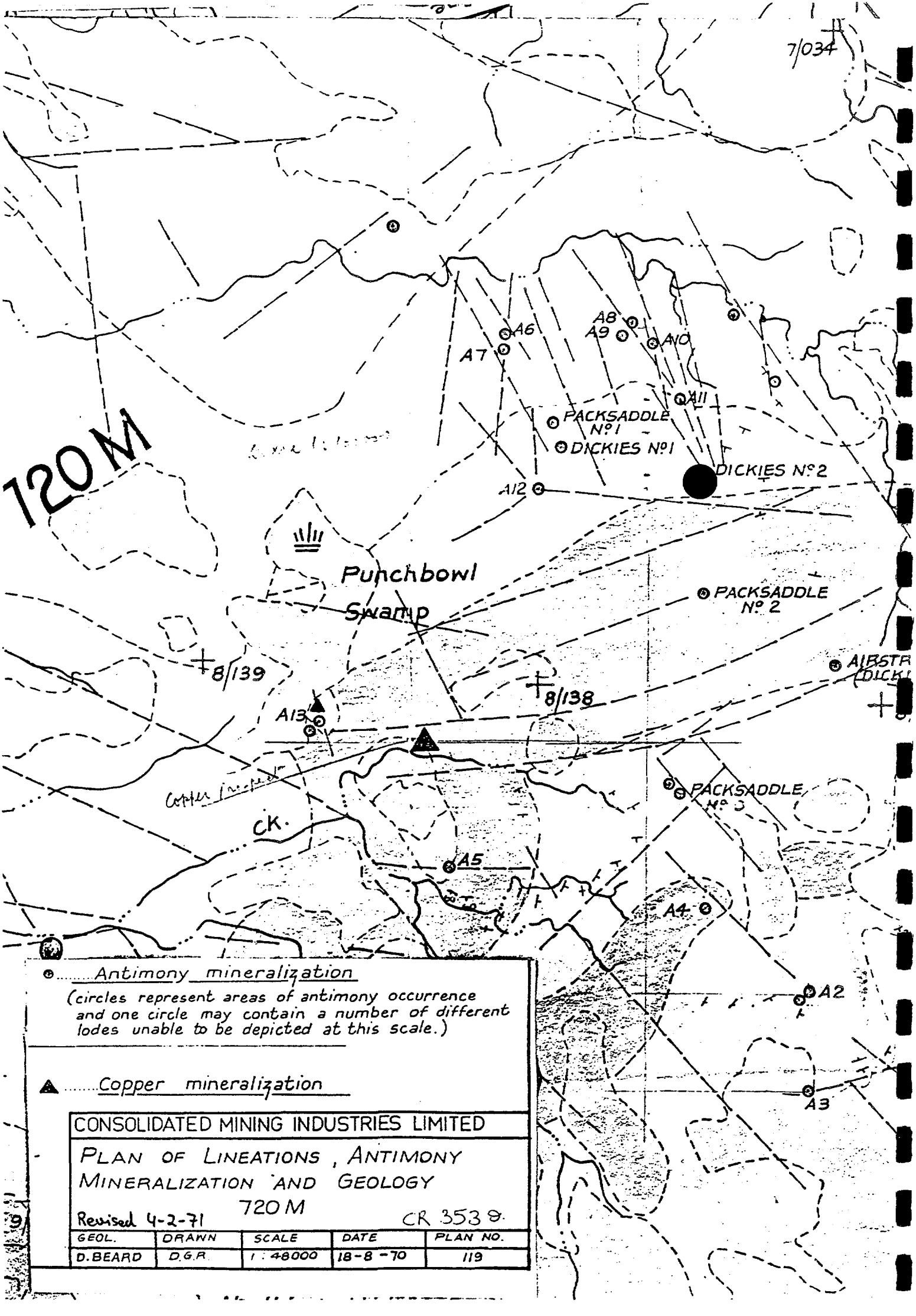
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DD Alice River min. occurs in Q-reefs following strong fault zone through granite trending NNW/SSE (350; traceable up to 4 km to the S). This locality on the same fault. #AL Fault zone shows shows strong brecciation, mylonitisation and late silification. #M1 Previous workings for Au. Dickies and Peninsula King are parrallel lodes. At these two mines the mined lodes occur in the eastern zone and intensity of brecciation decreases westward. #MN Presence of sulphides, mainly GAL, ASPY. #M2 Minor alluvial Sn occurs, but of no economic value, because of limited extend.

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3059);CONSOLIDATED MINING IND LTD(1972, QDRI unpublished company report CR 4400);CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 3961); CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3507);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3826);CSR LTD(1980, QDRI unpublished company report CR 8706);CSR LTD(1980, QDRI unpublished company report CR


7/034
720M
A6
A7
A8
A9
A10
A11
A12
A13
A5
A4
A2
A3
PACKSADDLE No.1
DICKIES No.1
DICKIES No.2
PACKSADDLE No.2
PACKSADDLE No.3
Punchbowl Swamp
8/139
8/138
CK.
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720M
Revised 4-2-71
CR 353 8.
GEOL. D.BEARD
DRAWN D.G.R
SCALE 1:48000
DATE 18-8-70
PLAN NO. 119

DATA SHEET 65

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Dickies No. 2 REFERENCE NUMBER:690877

COMMODITIES ....: ANTIMONY
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG/DSW 05/04/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS: LENGTH: 34 m, DEPTH: 33.0 m,
AMG GRID REFERENCE.: 769000 mE, 8287700 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: 5.5km SSE of Kalinga landing ground.
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 183.0m av.long x 0.8m max.wide . OREBODY; Strike 110deg/80deg dip to 020deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB,PY
SECONDARY MINERALS: STBC
GANGUE .....: Q.

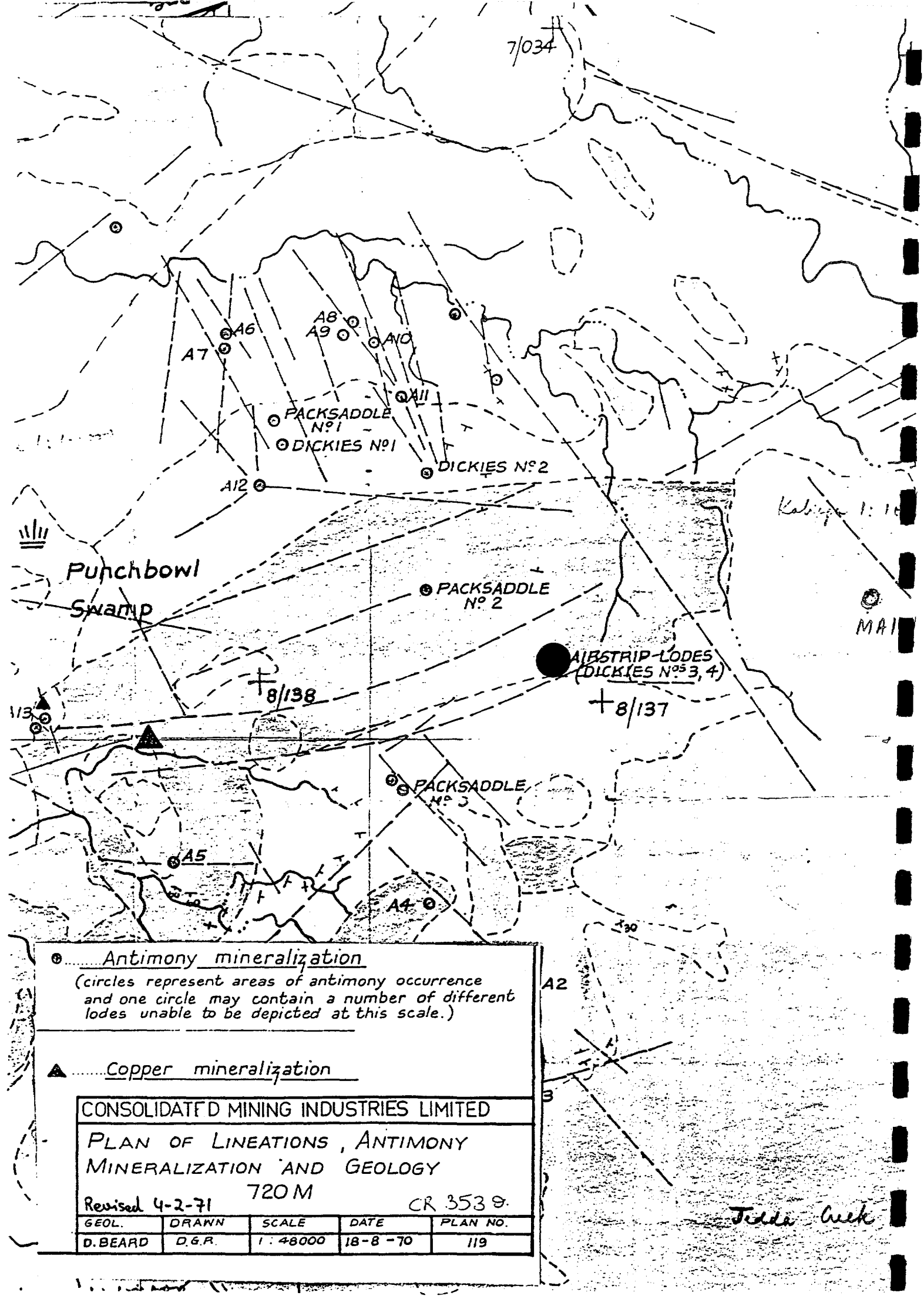
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS: Mineralised lodes.

REMARKS....: #CM Lode follows old joint direction (290 /Dip 70-90). Dickies lodes generally wider, longer, dip at steeper angles and are more mineraliesed than the Packsaddle lodes.

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


7/034
A6
A7
A8
A9
A10
A11
A12
PACKSADDLE No 1
DICKIES No 1
DICKIES No 2
Punchbowl Swamp
PACKSADDLE No 2
AIRSTRIP-LODES (DICKIES Nos 3, 4)
8/138
8/137
PACKSADDLE No 3
A5
A4
A2
Tedda Creek
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 353 9.
GEOL. D. BEARD
DRAWN D.G.R.
SCALE 1 : 48000
DATE 18-8-70
PLAN NO. 119

DATA SHEET 66

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Dickies No. 3/4(Airstrip lodes) REFERENCE NUMBER:702858

COMMODITIES ....: ANTIMONY
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG/DSW 05/04/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS: DEPTH: 26.0 m,
AMG GRID REFERENCE.: 770200 mE, 8285800 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: 7.5km SSE of Kalinga landing ground.
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian
MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 170.0m av.long x 0.8m max.wide . OREBODY; Strike 100deg/90deg dip to 010deg. ORE BODY; Strike 110deg/80deg dip to 020deg.
FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB,PY
SECONDARY MINERALS: STBC
GANGUE .....: Q.

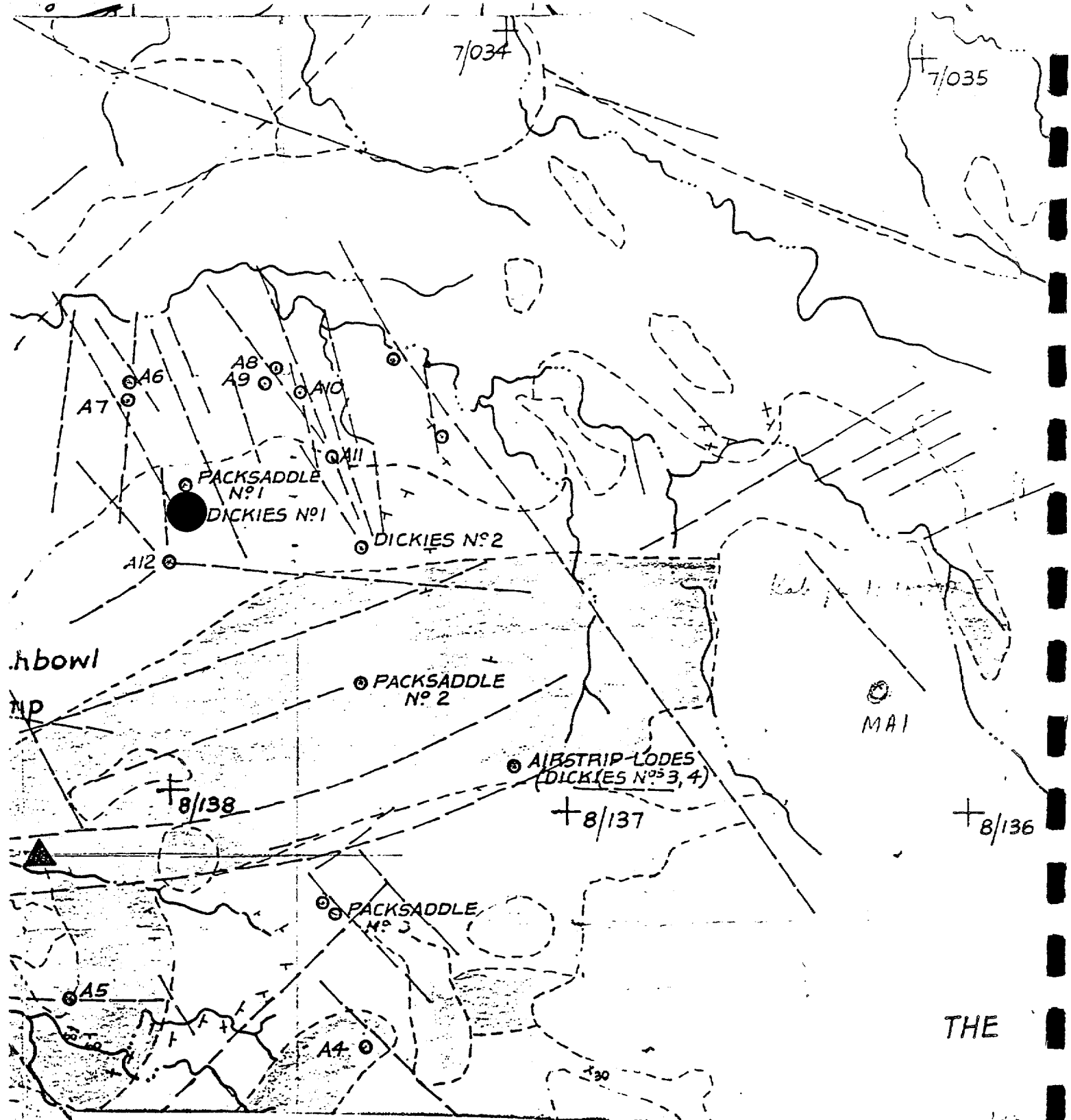
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS: Mineralised lodes.

REMARKS....: #CM Lode follows old joint direction (290 /Dip 70-90). Dickies lodes generally wider, longer, dip at steeper angles and are more mineraliesed than the Packsaddle lodes. Dickies 3 and 4 dip towards each other.

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


7/034
7/035
A6
A8
A9
A10
A7
A11
PACKSADDLE No.1
DICKIES No.1
DICKIES No.2
A12
PACKSADDLE No.2
MA1
AIRSTRIP LODES (DICKIES Nos 3, 4)
8/138
8/137
8/136
PACKSADDLE No.3
A5
A4
THE
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 3538
GEOL. D. BEARD
DRAWN D.G.R.
SCALE 1 : 48000
DATE 18-8-70
PLAN NO. 119
Tedda Creek 1 : 100000

DATA SHEET 67

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Dickies No.1 REFERENCE NUMBER:673881

COMMODITIES ....: ANTIMONY,GOLD,SILVER
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS: LENGTH: 36 m, DEPTH: 33.0 m,
AMG GRID REFERENCE.: 767300 mE, 8288100 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: S Dickie Creek/ 5km S of Killarney landing ground
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Granite, gneiss, schist.
HOST ROCK AGE : Precambrian
MINERALISATION AGE: Devonian

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 450.0m av.long x 0.7m av.wide x 15.0m av.down dip depth.. JOINTS/OREBODY; Strike 020deg/80deg dip to 110deg.
FORM/TYPE .....: Veins, Breccia-fill.
STRUCTURAL AFFILIATIONS..... : Fault, Shear, Joint(s).

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

ORE MINERALOGY.
PRIMARY MINERALS : STIB,PY,CPY,AU
SECONDARY MINERALS: STBC,VAL,MAL
GANGUE .....: Q,FL

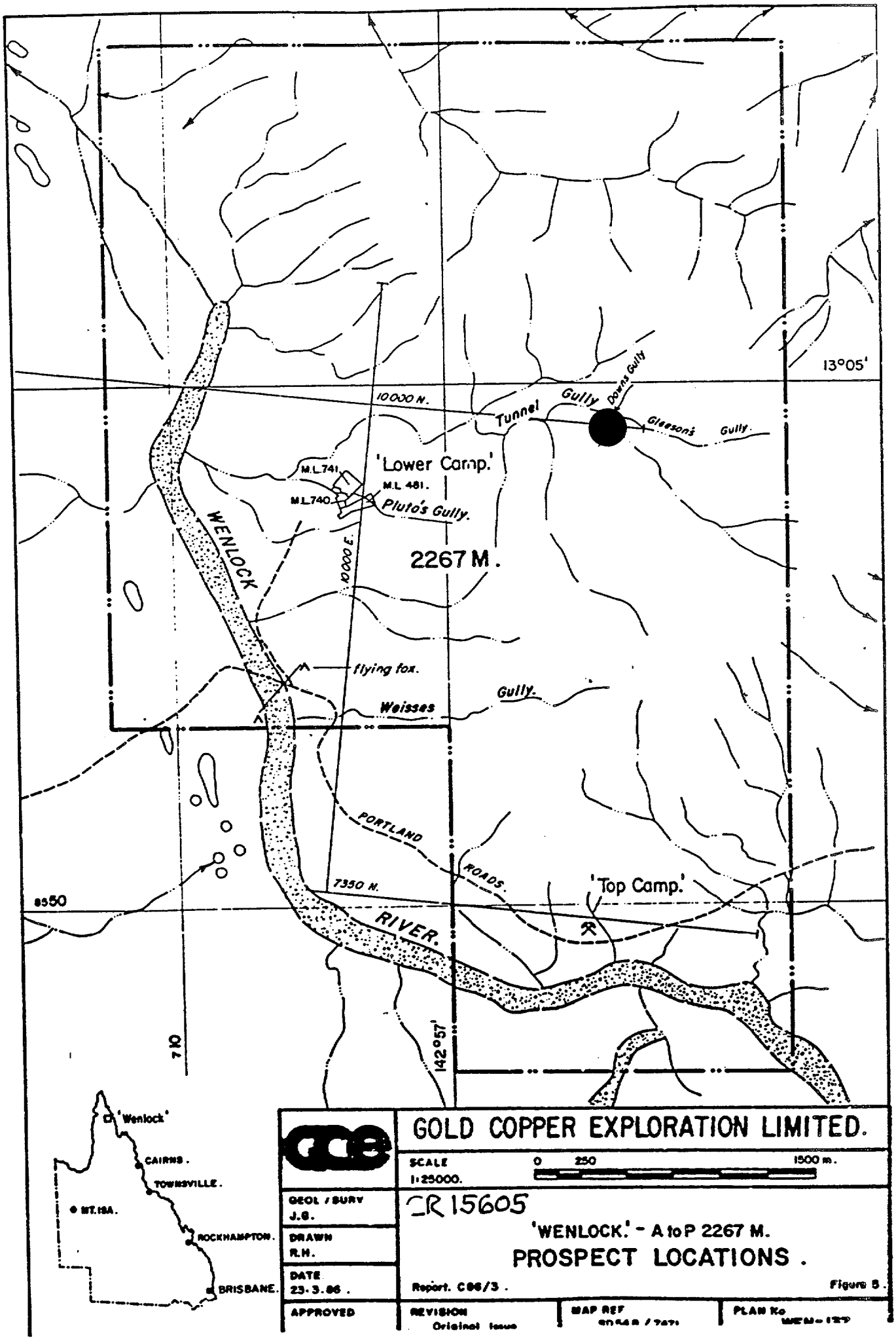
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS:

REMARKS....: #GM Epigenetic-epithermal. Appears genetically related to Upper Devonian Kintore Adamellite. #MS Lode follows old joint direction (020,Dip 70-90SW). Packsaddle lodes generally more mineralised than Dickies lodes.

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);


13°05'
10000 N.
Tunnel
Gully
Downs Gully
Gleeson's
Gully.
'Lower Camp.'
M.L.741
M.L. 481.
M.L.740
Pluto's Gully.
WENLOCK
10000 E.
2267 M.
flying fox.
Weisses
Gully.
PORTLAND
ROADS.
7350 N.
'Top Camp.'
8550
RIVER.
7 10
142°57'
'Wenlock'
CAIRNS.
TOWNSVILLE.
MT. ISA.
ROCKHAMPTON.
BRISBANE.
GOLD COPPER EXPLORATION LIMITED.
SCALE
1:25000.
0 250 1500 m.
GEOL / SURV
J.B.
DRAWN
R.H.
DATE
23.3.86.
APPROVED
CR 15605
'WENLOCK.' - A to P 2267 M.
PROSPECT LOCATIONS.
Report. C86/3.
Figure 5.
REVISION
Original Issue
MAP REF
PLAN No

DATA SHEET 68

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Downs Gully (Page 1 of 2)

REFERENCE NUMBER: 122527A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 03/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS: DEPTH: 2.0 m,
AMG GRID REFERENCE.: 712200 mE, 8552700 mN.
AMG SOURCE/ACCURACY: CR 15605/ Fig.5 Prospect locations/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: NE WENLOCK RIVER
LOCALITY.....: 3.3km NNW of old landing groun d/ 1.8km E point 113
LOCALITY ACC.: CR 15605/Fig.5/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: GOLD COPPER EXPLORATION INC.; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0, placer; FREEPORT AUSTRALIA MINERALS LTD; AP 2859; 1986; ABEbihef, 3, [Au], placer;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: Quartztose sandstone/ conglomerate
HOST ROCK AGE : Late Jurassic - Early Cretaceous

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium-Coarse

ORE GENESIS: Nugget gold in the basal 1m of conglomerate (placer).

REMARKS....: #GMSource of Au is local in the nearings of a rich Au bearing reef in the surroundings. A large proportion of deep lead Au recovered by the recent workings was located immediately down the paleo drainage from the main leader reef. Au occursin the basal units of GRF, close to the unconformity with the older basement (1;p.16). #MSHost rocks: coarse sands, sandy congl. and congl. with grades getting better in the later. #GMDepositional environment: contin. fluviatil. Au-bearing wash confined to "gutters". A continuous cover of Au-wash may extend over a consideralbe area of bedrock surface to N+W of the "Main gutters" (0.5 to 2 m thick and low av. Au-values(5)). Allv. Au mostly f-grained, but coarse and angular in some streaks. Nuggets to 155.5 gr (5 oz).

REFERENCES.: GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693); Connah, T.H.(1951);Shepherd, S.R. Leonhard(1941);

NAME(S).....: Downs Gully Area (Page 2 of 2)

REFERENCE NUMBER:122527B

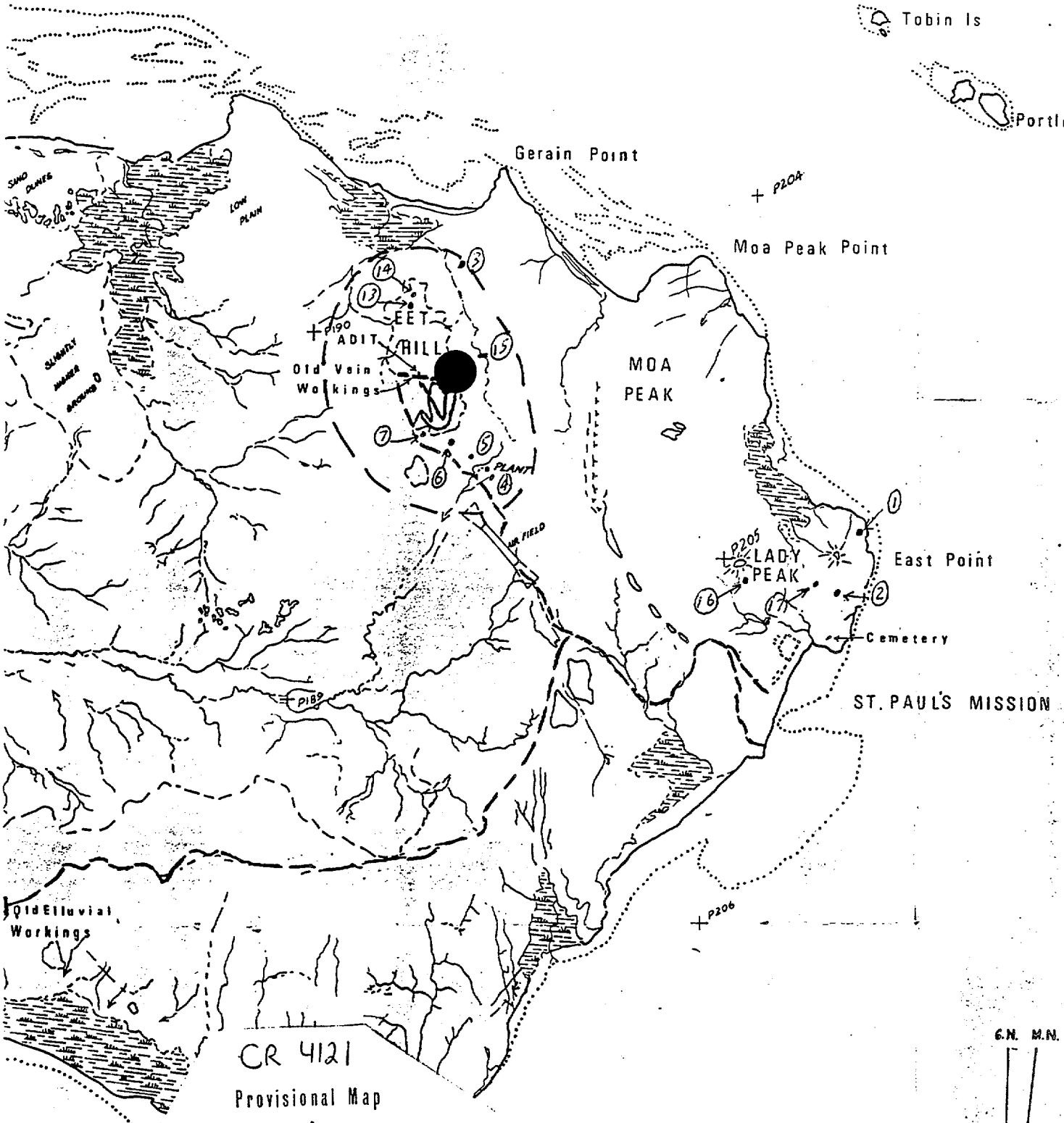
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMEluvial: Au can occur in decomposed granitic material to a depth of 1.5 m. Generally in the Wenlock area, Au is being shed from palaeochannels at the basement/Mesozoic sediment unconformity, and deposited in downslope eluvium (3, p.8).

REFERENCES CONTINUED.:



CR 4121

Provisional Map

of

MOA ISLAND

Compiled from Uncontrolled Air Photographs

R.A.A.F. Series CA14 Runs 4,5 & 6 Oct. 1965

Compiled By C. N. Davison-October 1971

Drawn By J T Ward - 9th November "

DATA SHEET 70

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: EET Hill — REFERENCE NUMBER:AA

COMMODITIES ....: WOLFRAM
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/02/90
METHOD OF WORKING..: Adit(s).
EXTENT OF WORKINGS: DEPTH: 30.0 m,
AMG GRID REFERENCE.:
AMG SOURCE/ACCURACY: CR 4121/ 100 m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: 0
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: MOA ISLAND
LOCALITY.....: 2km W of Moa Peak

LOCALITY ACC.: CR 4121/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TORRES STRAIT WOLFRAM PTY LTD; AP 921M; 1971; CAaefgo, 1, vein system;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: BADU GRANITE
HOST ROCK TYPE: Granite
HOST ROCK AGE : Early Carboniferous — MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m): 10 — OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : — LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Sericitic, Other-see Remarks.

ORE MINERALOGY.
PRIMARY MINERALS : W, PY,ASPY,CPY.
SECONDARY MINERALS: LIM,GOET.
GANGUE .....: Q (SILICA),CHL.

ORE TEXTURES....: Cataclastic.

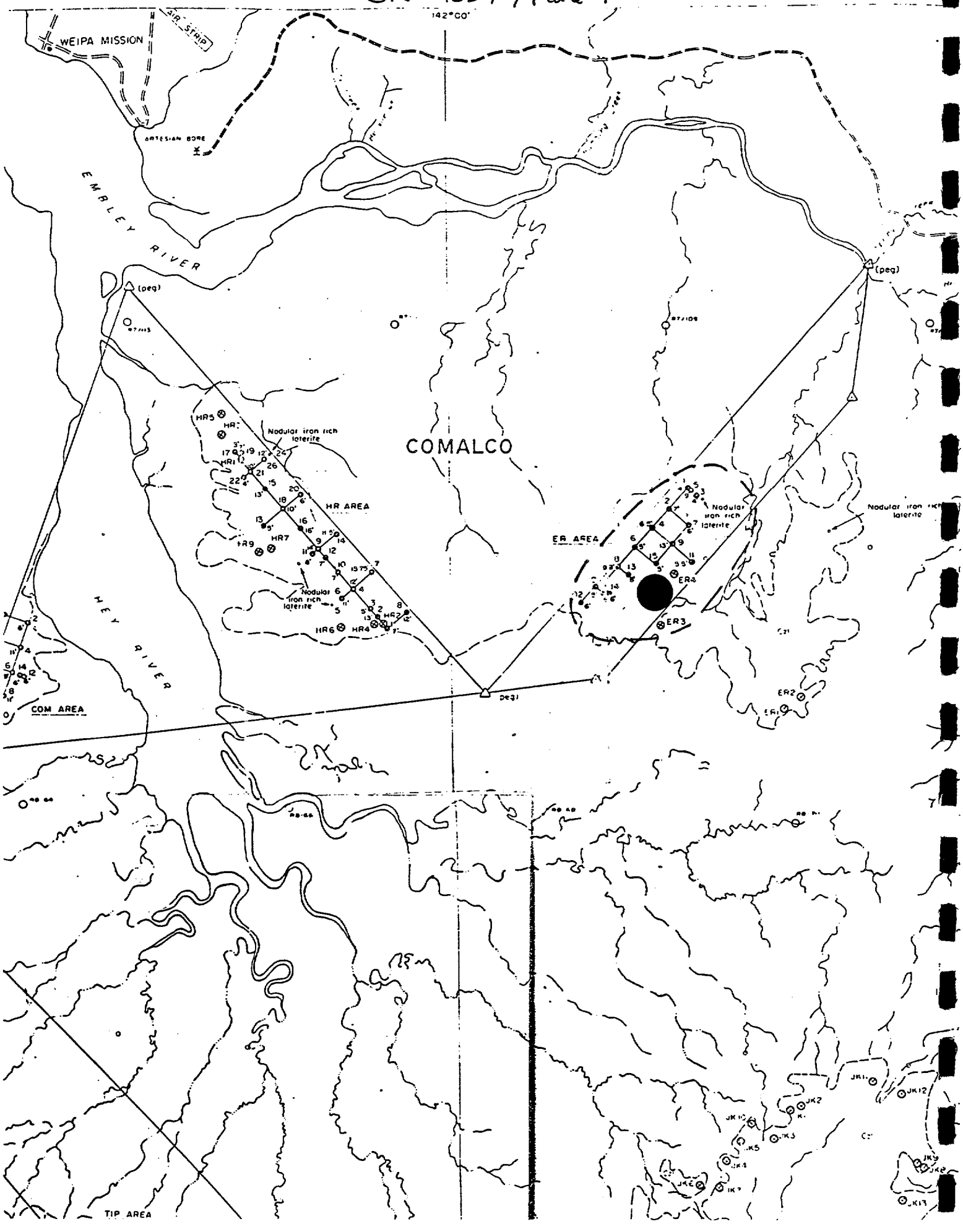
ORE GRAIN SIZE..: Fine-Medium-Coarse-V.coarse

ORE GENESIS: Vein min. with W.; Vein material consists of white Q broken by numerous fracture planes. Q heavily chloritised. CHL in irregular patches. v-coarsely crist. and pyritic. Sulphide min. plentyf (PY,ASPY,CPY).

REMARKS....: #DD Old vein workings with adits. A adit had been advanced to a total depth of 30m along the strike of the vein (Nov. 1971) 200m downslope of Eet Hill crest: portal of adit. #M1 No oxidised copper min. to be seen at old workings: No direct association between W and sulphide min. #AL Evident is oxidation of primary vein mat. near surface: complete alteration of CHL and sulphides with leaching of everything soluble except iron oxides; porous texture of ore: working with hand tools possible! Depth of oxidation does not exceed 10m. #M2 Samples from the adit assayed for WO3, Cu and Au.

REFERENCES.: TORRES STRAIT WOLFRAM PTY LTD(1971, QDRI unpublished company report CR 4121);Willmott, W. et al. (1973);

CR 4557 / Plate 1



DATA SHEET 71

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: ER - Area

REFERENCE NUMBER:140820

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 15/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 614000 mE, 8582000 mN.
AMG SOURCE/ACCURACY: CR 4557/Plate 1/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: YORK DOWNS 7372
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: South of Weipa
LOCALITY.....: 21km SE of Weipa Airstrip

LOCALITY ACC.: CR 4557/Plate 1/ 100m

MINING TENURE.....: SBML-8

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Wolff, Kevin W.(1990)possible BX:5400000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRAL-PACIFIC MINING Co LTD; Ap 838M; 1970; CEcelq,3, weathered surface soil strata.

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: deep weathered Aurukun surface
HOST ROCK TYPE: pisolitic bauxite and laterite.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2.0m av.vert.depth..

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX
GANGUE .....:

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #DDAlcan Australia LTD holds Special Bauxite Lease No.8, situated NE of Comalco's Weipa minesite, ajoining SBML-1. #M1Approx. 5 square miles of pisolitic aluminous laterite have been located by detailed exploration drilling in AP 838M, representing 33.5 million tonnes of material. 19.1 million tonnes have grades >45%Al2O3,<15%SiO2. 1.9 million tonnes of this are within the current economic limit of >40%Al2O3,<8%SiO2. #M2In the ER-drilling area 15 holes(33m) estimated 5.4 million tonnes of ore. Average thickness of pisolitic horizon was 2m.

REFERENCES.: Wolff, Kevin W.(1990);AUSTRAL-PACIFIC MINING Co LTD(1970, QDRI unpublished company report CR 4557);

AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO GTS - C

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Eastern Granite Skarn (Page 1 of 2) REFERENCE NUMBER:265242A

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 726500 mE, 8524200 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 4.5 km ESE of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 350.0m av.long x 50.0m max.wide . OREBODY; Strike 150deg/Unknown dip.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Banded, Disseminated.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1). Pegmatites possible agents responsible for tungsten mineralisation. #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread developm. of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distrib. in fine veinlets of Q along cleavage fractures.

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Eastern Granite Skarn (Page 2 of 2) REFERENCE NUMBER:265242B

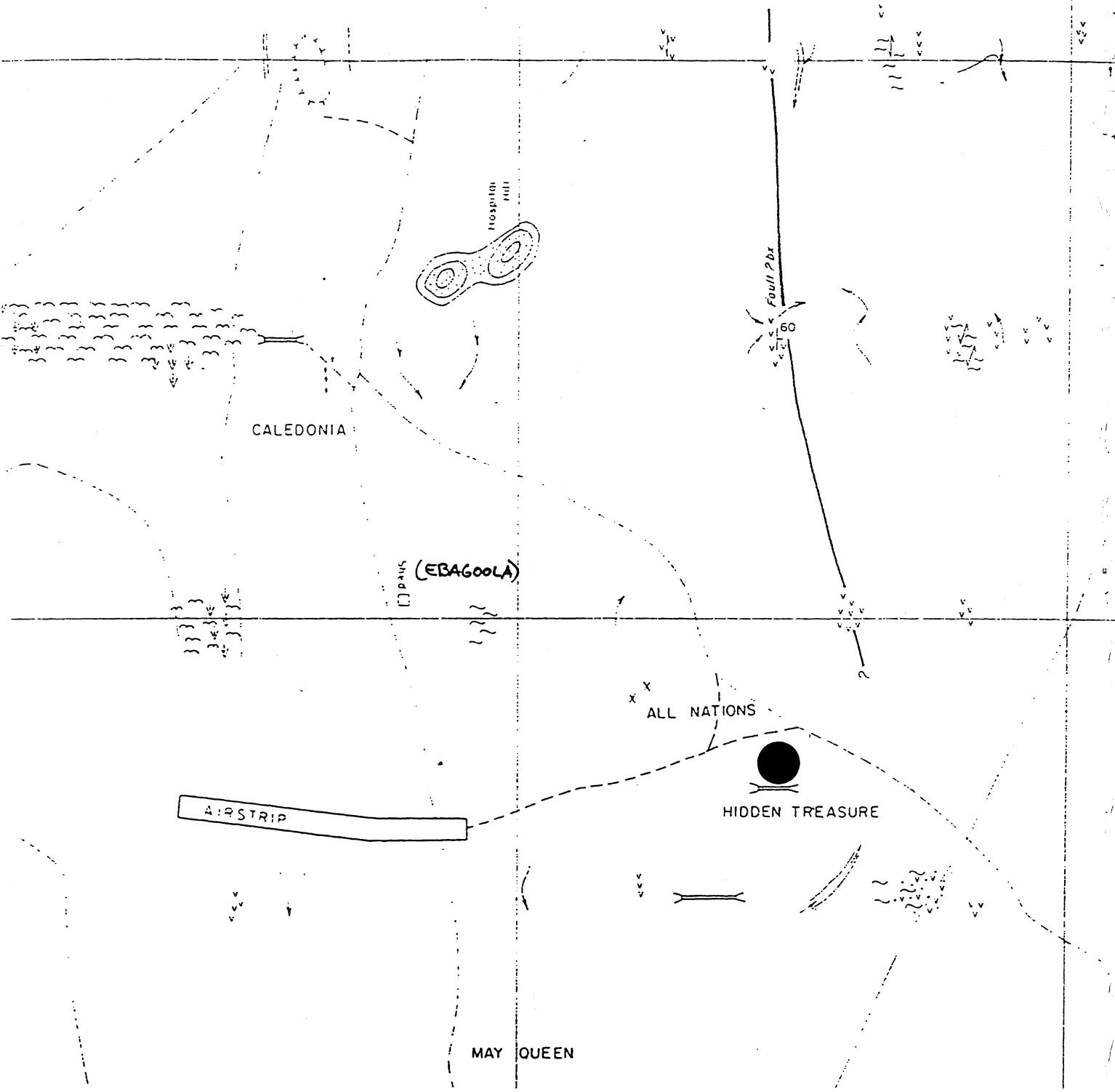
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMEASTERN GRANITE skarn: Vesuvianite- and diopsite-bearing calc-silikate rocks present, mahjority is crystalline marble. Variety of rocktypes: limestone, calcareous sandstones and mudstones. Microfolding (tight, isoclinal, steeply plunging) and kink folding are common in marble. Zones of vesuvianite-diopside present as thick veins (10-20 cm) transecting marble. SCHE/MolySCHE dissem.(no econ.). Contact metamorphism is anhydrous.

REFERENCES CONTINUED.:


Hospital Hill
Fault Pbx
60
CALEDONIA
(EBAGOOLA)
ALL NATIONS
HIDDEN TREASURE
AIRSTRIP
MAY QUEEN

CR 10609

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Eastern Line Group-Hidden Treasure (Page 2 of 2) REFERENCE NUMBER:448173B

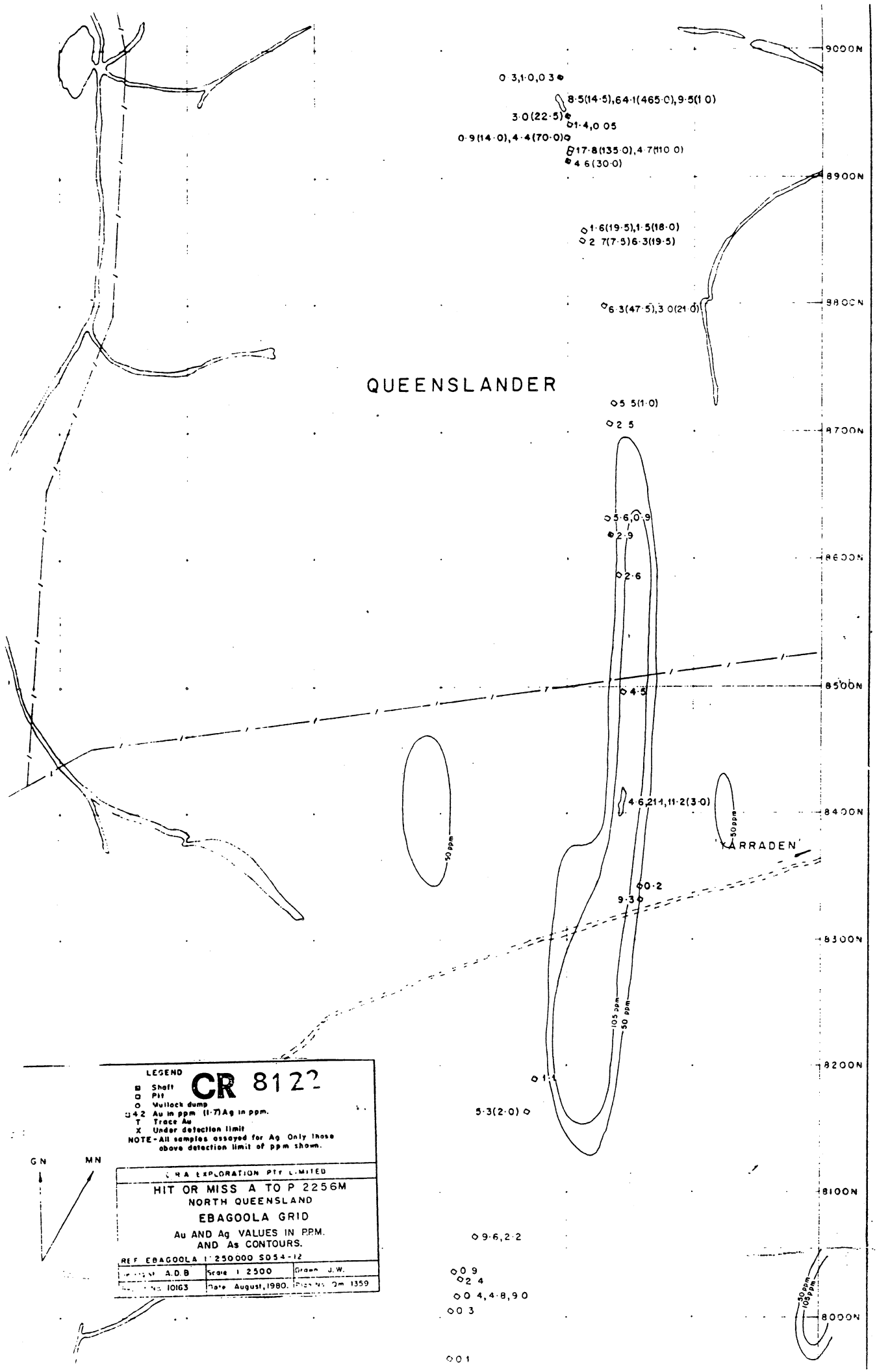
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MSHidden Treasure is N-part of the Eastern Line. A number of shallow 1 m pits over a 200 m strike length. A 0.3-0.4 m wide Q-bed, dipping 70 E is exposed. Workings have much more Q than other lines - suggests that ore didn't reach the battery. Assays are high. 15 composite grab samples from 1.7 to 19 ppm Au and 1 to 10 ppm Ag. Mean assay is 5.88 ppm Au and 3.9 ppm Ag. Anomalous and above threshold arsenic levels are associated with the workings (1).

REFERENCES CONTINUED.:


QUEENSLANDER
KARRADEN
9000N
8900N
8800N
8700N
8600N
8500N
8400N
8300N
8200N
8100N
8000N
0 3,1·0,0 3
8·5(14·5),64·1(465·0),9·5(1 0)
3·0(22·5)
1·4,0 05
0·9(14·0),4·4(70·0)
17·8(135·0),4·7(110 0)
4 6(30·0)
1·6(19·5),1·5(18·0)
2 7(7·5)6·3(19·5)
6·3(47·5),3 0(21·0)
5 5(1·0)
2 5
5·6,0·9
2·9
2·6
4·5
4·6,21·1,11·2(3·0)
50 ppm
50ppm
0·2
9·3
105 ppm
50 ppm
1·
5·3(2·0)
9·6,2·2
0 9
2 4
0 4,4·8,9 0
0 3
0 1
LEGEND
Shaft
Pit
Wullock dump
0·42 Au in ppm (1·7)Ag in ppm.
T Trace Au
X Under detection limit
NOTE-All samples assayed for Ag Only those above detection limit of ppm shown.
GN
MN
CRA EXPLORATION PTY LIMITED
HIT OR MISS A TO P 2256M
NORTH QUEENSLAND
EBAGOOLA GRID
Au AND Ag VALUES IN P.P.M.
AND As CONTOURS.
REF EBAGOOLA 1:250000 SD54-12
A.D.B
Scale 1 2500
Drawn J.W.
10163
Date August, 1980.
Plan No. Dm 1359

CR 8122

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Eastern Line Group-Queenslander (Page 1 of 2) REFERENCE NUMBER:452155A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS: LENGTH: > 900 m, WIDTH: 3.0 m, DEPTH: 1.5 m
AMG GRID REFERENCE.: 745200 mE, 8415500 mN.
AMG SOURCE/ACCURACY: CR 8122/ 100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: EBAGOOLA
GENERAL AREA.: Great Dividing Range
LOCALITY.....: 2.0 km SE of Ebagoola
LOCALITY ACC.: CR 8122/ + 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930)
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2078M; 1979; ABCIYbej,5[As,Au,Co,Cu,Mn,Mo,Pb,Sn,U,Zn],-;CRA EXPLORATION PTY LTD, AP 2257M; 1980; AIJOYbejhq,3, [Au,Ag,Pb,Zn,Cu,As],-; CRA EXPLORATION PTY LTD, AP 2252M/2255M/2256M; 1981; ACNOabcdefq,0, [Au,Ag,Pb,Zn,Cu,As],-;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 900.0m av.long x 3.0m max.wide . orebody; Strike 000deg/70deg dip to 090deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic.
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU,AG,PY,ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Sheared (vein) mineralisation.

REMARKS....: #DDThis mine belongs to the northern part of the Hamilton goldfield, the Ebagoola gold workings. Outcrop is poor. #GMAu-min. localised in narrow Q-veins within a sequence of SER-FS-Q-MUS-SILL schist and gneiss. #ALSER, minor CHL and PY alteration occurs immediatly surrounding the Q-veins (not more than 1-3m into country rock). #PRPast mining grade reported to be as high as 30 to 60g Au/tonne. #DDThe Ebagoola goldfield consists of a number of small workings in three separate, roughly parrallel lines stiking (Caledonian L., Hit or Miss, Eastern L.; Distance between lines is 350 to 400m). Strike length 3.5km. #MNFractured white sugary quartz bed exposed. #DDLocalities of shafts in CR Map.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);

NAME(S).....: Eastern Line Group-Queenslander (Page 2 of 2) REFERENCE NUMBER:452155B

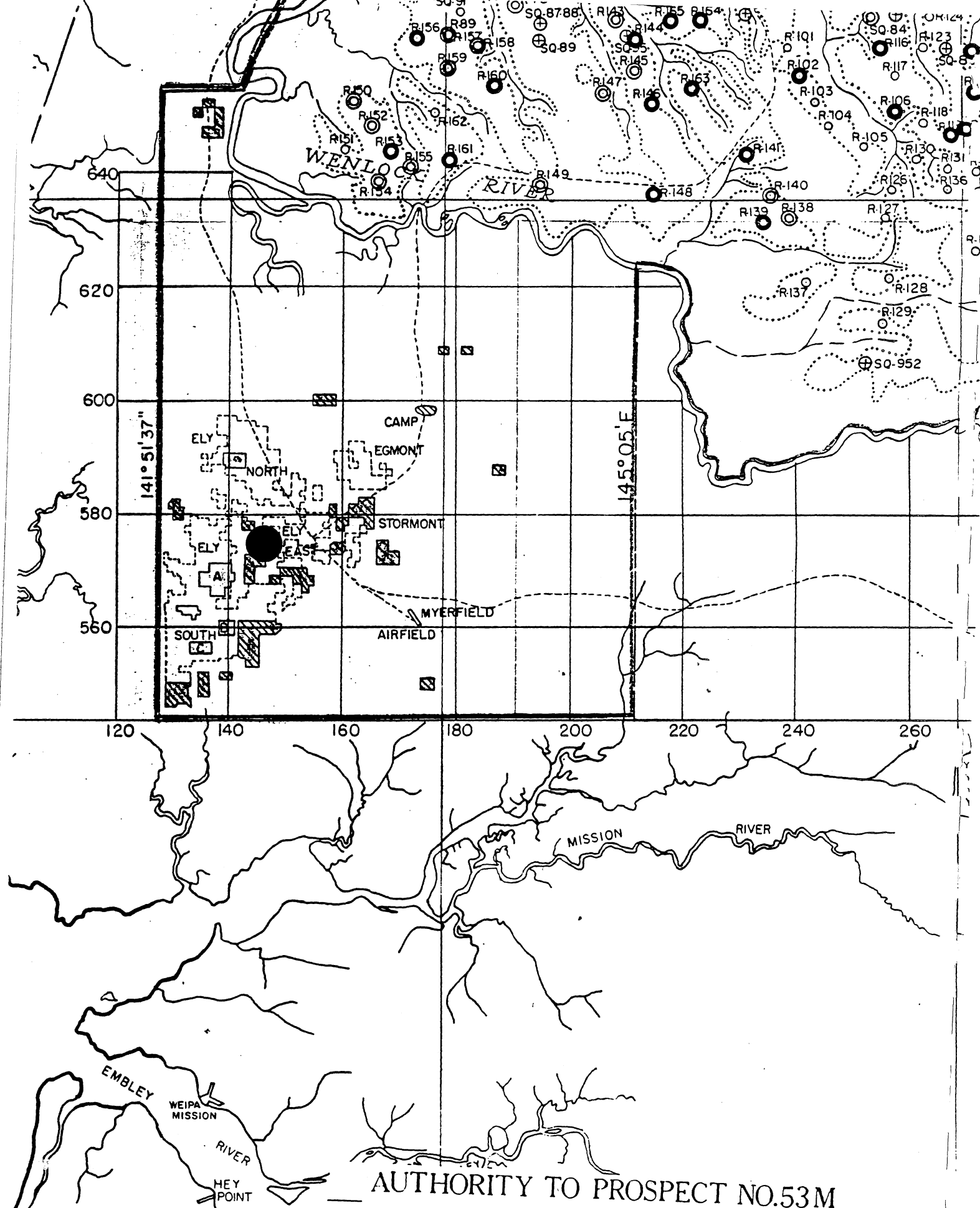
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MSQueenslander is S-part of the Eastern Line. Pits scattered over a strike length of some 1100 m. Grab samples assayed from 0.1 to 64.1 ppm Au and 1.0 to 465.0 ppm Ag. Mean assay of 51 samples for Au was 5 ppm and for Ag 19 ppm. In the central part of these workings there is a 400m long zone of anomalous arsenic (1).

REFERENCES CONTINUED.:



AUTHORITY TO PROSPECT NO.53M

ALUMINIUM LABORATORIES LIMITED

CAPE YORK
AUSTRALIA

CR 865

Map No.2.

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Ely East REFERENCE NUMBER:006280

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 600600 mE, 8628000 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

1:250 000.....: WEIPA SD54-03
1:100 000.....: PENNEFATHER RIV 7273
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast/S of Wenlock River
LOCALITY.....: 8.5km NW of Myerfield landing ground
LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1961)possible BX:28375000lg t @45.0%A1A1,ALUMINIUM LABORATORIES LTD(1961)indicated BX:10343750lg t @45.0%A1A1,ALUMINIUM LABORATORIES LTD(1961)possible BX:90000001g t @45.0%A1A1,ALUMINIUM LABORATORIES LTD(1961)indicated BX:1468
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,5, weathered surface soils;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite with pisolitic bauxite.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 3.5m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

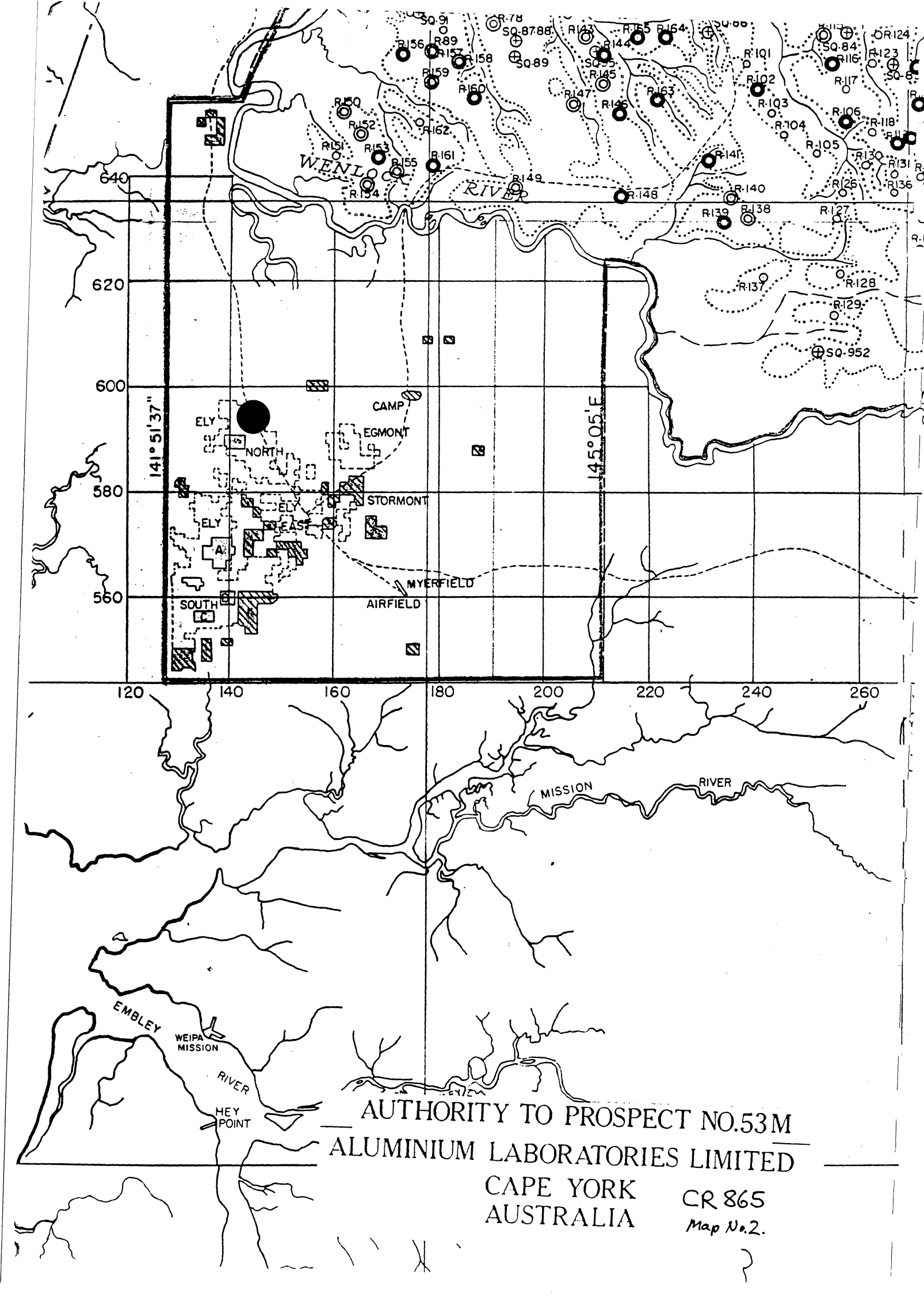
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile.

REMARKS....: #MSLaterite soils, particularly pisolitic laterite and bauxite, are generally present on peneplain remnants (with 20 miles zone along present shoreline of the Gulf of Carpentaria). Ferruginous, porous and relatively hard laterite masses are common along slightly denuded areas. Where drilled, bauxite and laterite were both found to be underlain by clays, brownish to white mottled or veined in colour. #PRPossilble Bauxite reserves (basis:<5%SiO2,>45%Al2O3): 1750000 long tons with av. thickness 2.3m and av.1.6m overburden; (basis:<7.5%SiO2,>45%Al2O3): 9000000 long tons (possible;av. thickness 2.8m,0.9m overburden) and 1468000 (indicated; 1.6m av.thickness, 0.8m overb.). #M1All tonnages on crude wet basis, while grades on dry basis.

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);



AUTHORITY TO PROSPECT NO. 53M

ALUMINIUM LABORATORIES LIMITED

CAPE YORK
AUSTRALIA

CR 865

Map No. 2.

DATA SHEET 79

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Ely North **REFERENCE NUMBER:978330**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 597800 mE, 8633000 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

1:250 000.....: WEIPA SD54-03
1:100 000.....: PENNEFATHER RIV 7273
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast/S of Wenlock River
LOCALITY.....: 14km NW of Myerfield landing g round
LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1961)probable BX:6375000lg t @45.0%AlAl,ALUMINIUM LABORATORIES LTD(1961)possible BX:4546900lg t @45.0%AlAl,ALUMINIUM LABORATORIES LTD(1961)probable BX:3937500lg t @45.0%AlAl,ALUMINIUM LABORATORIES LTD(1961)possible BX:1002500
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,5, weathered surface soils;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite with pisolitic bauxite.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 3.5m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

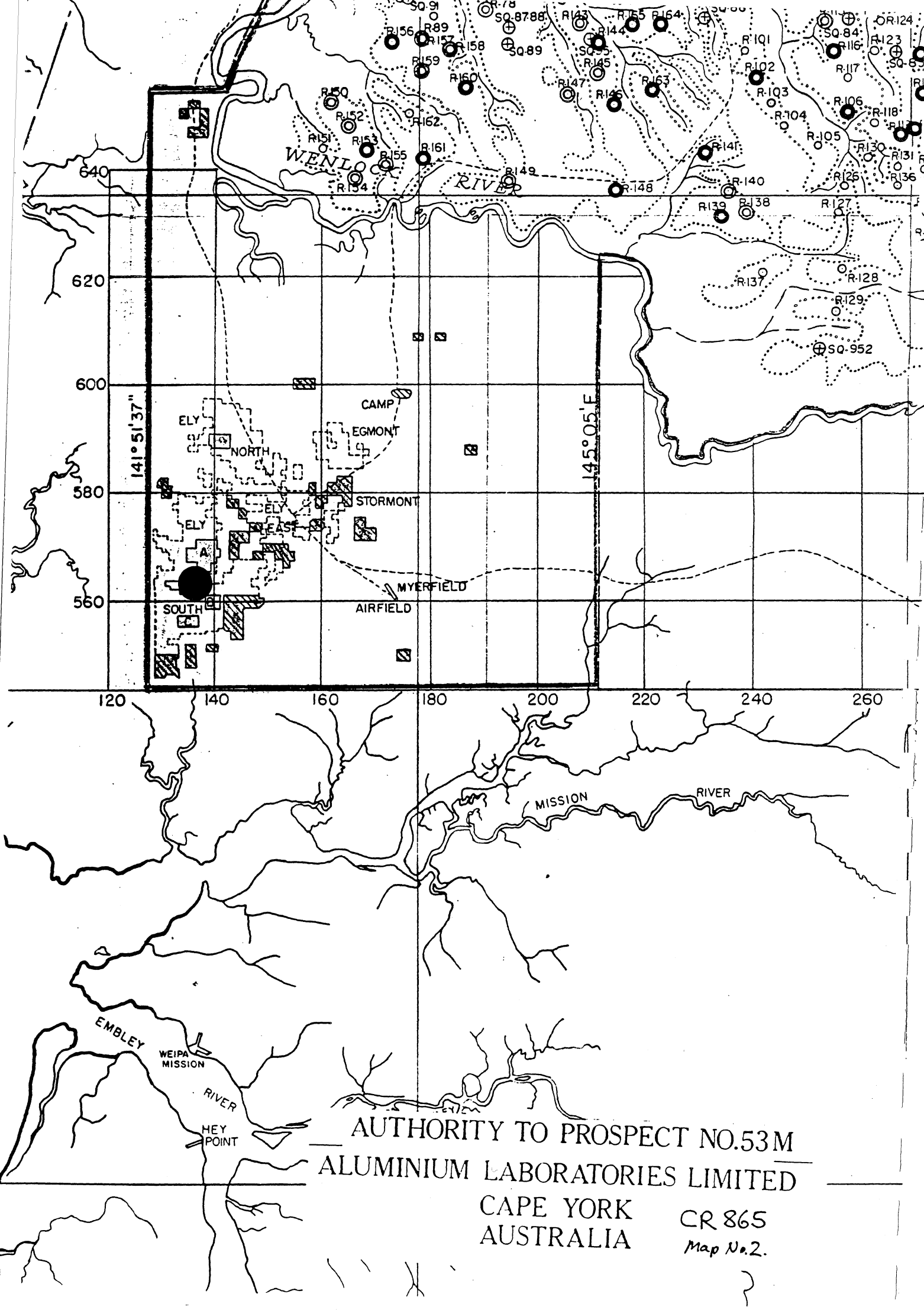
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile.

REMARKS....: #MSLaterite soils, particularly pisolitic laterite and bauxite, are generally present on peneplain remnants (with 20 miles zone along present shoreline of the Gulf of Carpentaria). Ferruginous, porous and relatively hard laterite masses are common along slightly denuded areas. Where drilled, bauxite and laterite were both found to be underlain by clays, brownish to white mottled or veined in colour. #PRBauxite reserves (basis:<5%SiO2,>45%Al2O3): 875000 (probable) & 1093500 long tons (possible) with av.thickness 1.6m and av.1.6m overburden; (basis:<7.5%SiO2,>45%Al2O3): 3937500 long tons (probable;av.thickness 3.3m,0.6m overburden) and 10025000 (possible; 2.4m av.thickness, 1.2m overb.). #M1All tonnages on crude wet basis, while grades on dry basis.

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);



AUTHORITY TO PROSPECT NO.53M

ALUMINIUM LABORATORIES LIMITED

CAPE YORK
AUSTRALIA

CR 865
Map No.2.

DATA SHEET 80

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Ely South **REFERENCE NUMBER:965224**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 596500 mE, 8622400 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

1:250 000.....: WEIPA SD54-03
1:100 000.....: PENNEFATHER RIV 7273
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast/S of Wenlock River
LOCALITY.....: 11.3km NW of Myerfield landing ground
LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1961)probable BX:191125001g t @45.0%AlAl,ALUMINIUM LABORATORIES LTD(1961)possible BX:339140001g t @45.0%AlAl,ALUMINIUM LABORATORIES LTD(1961)probable BX:257370001g t @45.0%AlAl,ALUMINIUM LABORATORIES LTD(1961)possible BX:93868
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,5, weathered surface soils;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite with pisolitic bauxite.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 3.5m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

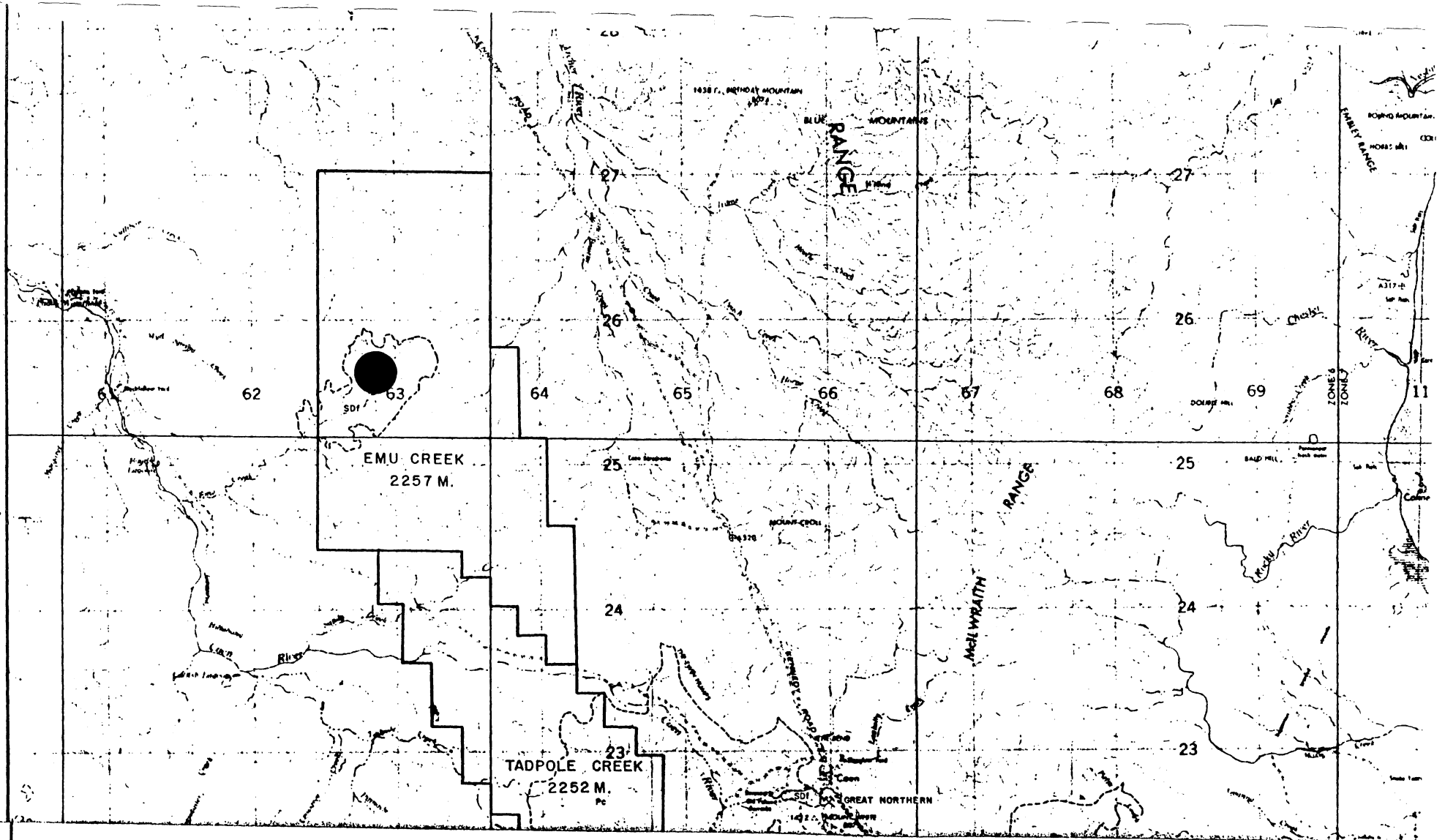
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile. Average geochemistry: %LOI: 19.5, %SiO2: 13.4, %TiO2: 2.5, %Fe2O3: 13.5, %Al2O3: 51.1.

REMARKS....: #MSLaterite soils, particularly pisolitic laterite and bauxite, are generally present on peneplain remnants (with 20 miles zone along present shoreline of the Gulf of Carpentaria). Ferruginous, porous and relatively hard laterite masses are common along slightly denuded areas. Where drilled, bauxite and laterite were both found to be underlain by clays, brownish to white mottled or veined in colour. #PRBauxite reserves (basis:<5%SiO2,>45%Al2O3):6250000 (probable); 7077500(possible) & 1825000 (indicated)with av.thickn 1.6m and av.1.6m overburden; (basis:<7.5%SiO2,>45%Al2O3): 19112500 long tons (probable) & 33914000 (possible) & 11825000 (indicated) 3m av.thickness, 0.2m overb.). #M1All tonnages on crude wet basis, while grades on dry basis.

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);



Pc — Coen Metamorphics

SDf — Flyspeck Granodiorite

CR 8122

C R A EXPLORATION PTY LIMITED

AUTHORITIES TO PROSPECT

TADPOLE CREEK 2252 M, SPION KOP 225
HIT OR MISS 2256 M, EMU CREEK 225

LOCALITY MAP.

Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-

Geologist. A.D.B.	Scale. 1:250 000	Drawn. J.W
Report No. 10163	Date. August, 1980	Plan No. Qm 13

DATA SHEET 81

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Emu Creek

REFERENCE NUMBER:118858

COMMODITIES ....: URANIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 711800 mE, 8485800 mN.
AMG SOURCE/ACCURACY: CR 9422/ 1000m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: COEN

GENERAL AREA.: NE OF COEN RIVER/S GEIKIE RANGE
LOCALITY.....: 1.5 km SE of Point 213

LOCALITY ACC.: CR 9422/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2074M; 1979; ACbh,0,-; CRA EXPLORATION PTY LTD; AP 2257M; 1981; AOb, 0, -;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Granodiorite.
HOST ROCK AGE : Silurian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : U,(AU).
SECONDARY MINERALS:
GANGUE .....:

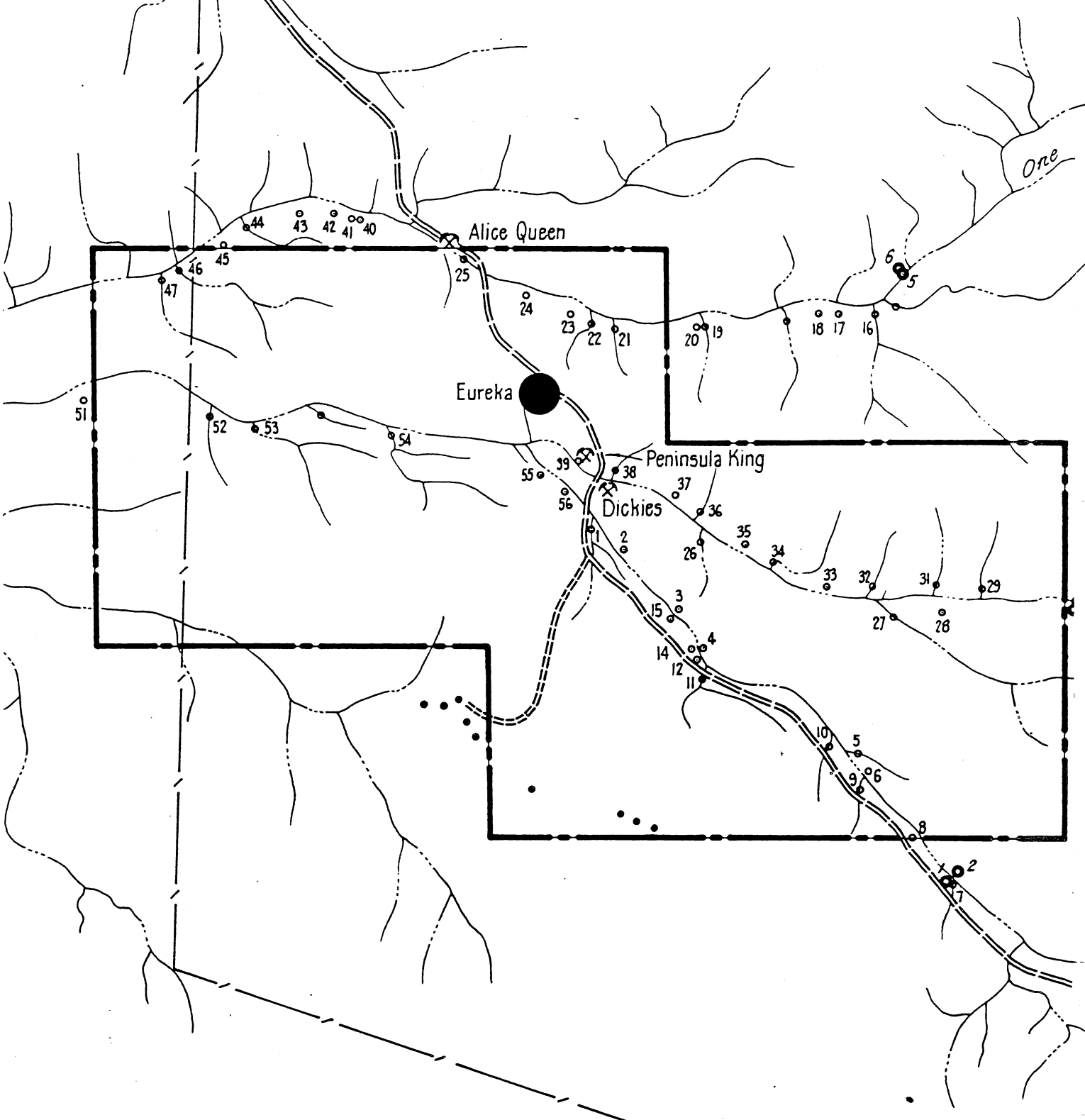
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Stratabound gold and uranium mineralisation (prospective!).

REMARKS....: #GM Tadpole Creek shear zone (considered prospective for stratab. Au and U-min.) is roughly defined by contact between western side of the Coen Metamorphics and intrusive granitoid. #MS Using a Scintrex BGS-1S total count scintillometer, values ranging from 160-400 cps were recorded over outcropping Flyspeck Granodiorite, approx. 20 km W of the Coen airport. Two 20 square metres areas chip sampled returned low uranium values.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 9422);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7542);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7837);



CR 8706

CSR LIMITED-MCD

A to P 2605M ALICE RIVER NTH. QLD.

SAMPLE LOCATION PLAN

SCALE	: 1 50,000	DRG. No.
DRAWN	: K.M.K. / P.R.	D 5416 – 1
DATE	: March '81	

DATA SHEET 82

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Eureka

REFERENCE NUMBER:454911

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: LGC 25/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 745400 mE, 8291100 mN.
AMG SOURCE/ACCURACY: CR 8706/ 200m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: Between One Mile Creek and Alice River/ 23km W of Killarney
LOCALITY ACC.: CR 8706/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CSR LTD; AP 2605M; 1980; Aabcdek,0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE: Adamellite, schist.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 100.0m av.wide .

FORM/TYPE .....: Breccia-fill, Lenticular.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear, Other-see Remarks, Contemporaneous.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU
SECONDARY MINERALS:
GANGUE .....: Q

ORE TEXTURES....: Breccia-fill, Massive.

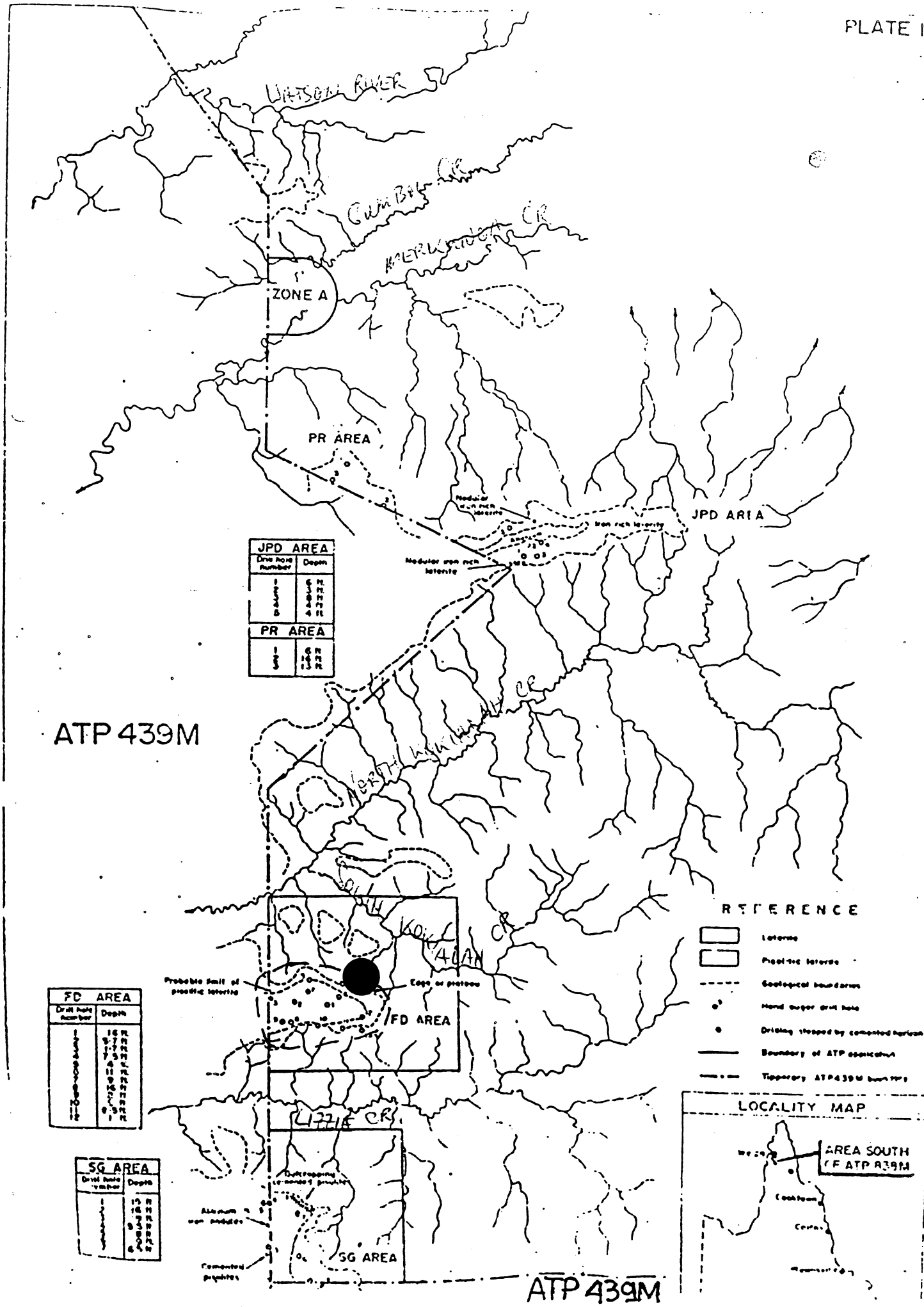
ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #GM Locality shows association of parrallel lode and a dyke with an appropiate 100m wide breccia zone. The mined lodes occur in the eastern zone and intensity of brecciation decreases westward to the dyke.

REFERENCES.: CSR LTD(1980, QDRI unpublished company report CR 8706);

PLATE 1


WATSON RIVER
CUMBA CK
ZONE A
PR AREA
JPD AREA
JPD AREA
PR AREA
ATP 439M
FD AREA
SG AREA
LITTLE CR
REFERENCE
LOCALITY MAP
AREA SOUTH OF ATP 439M
ATP 439M
CR 4557

DATA SHEET 83

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: FD - Area **REFERENCE NUMBER:112228**

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 15/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 611209 mE, 8522800 mN.
AMG SOURCE/ACCURACY: CR 4557/Plate 1/ 100m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: MERLUNA 7371
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: South of Watson River
LOCALITY.....: Between S.Kokialah Ck. and Lizzie Ck. about 13km E of junct.
LOCALITY ACC.: CR 4557/Plate 1/ 100m

MINING TENURE.....: SBML-8

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Wolff, Kevin W.(1990)possible BX:3500000t @40.0%AlAl,Wolff, Kevin W.(1990)possible BX:4700000t @40.0%AlAl,Wolff, Kevin W.(1990)possible BX:5700000t @40.0%AlAl,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRAL-PACIFIC MINING Co LTD; Ap 838M; 1970; CEcelq,3, weathered surface soil strata.

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX
GANGUE .....:

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #DDAlcan Australia LTD holds Special Bauxite Lease No.8, situated NE of Comalco's Weipa minesite, ajoining SBML-1. #M1Approx. 5 square miles of pisolitic aluminous laterite have been located by detailed exploration drilling in AP 838M, representing 33.5 million tonnes of material. 19.1 million tonnes have grades >45%Al2O3,<15%SiO2. 1.9 million tonnes of this are within the current economic limit of >40%Al2O3,<8%SiO2. #M2In the FD-drilling area 12 holes estimated 3500000 t(>40%Al2O3,<5%SiO2), 4700000 t(>40%Al2O3,<8%SiO2) and 5700000 t(>40%Al2O3,<12%SiO2) of ore in this area. Each succeeding category includes the t in the proceeding category.

REFERENCES.: Wolff, Kevin W.(1990);AUSTRAL-PACIFIC MINING Co LTD(1970, QDRI unpublished company report CR 4557);

INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION
BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R.Meates	DRAWN : D. Haines DATE : April, 1980.	SCALE : 1:2500	PLATE B2

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Federal;Fortunate Favour;Sunset;Bowden (Page 1 of 2) REFERENCE NUMBER:191819A

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: Trench(es).
EXTENT OF WORKINGS: LENGTH: 400 m, WIDTH: 2.3 m, DEPTH: 13.0 m,
AMG GRID REFERENCE.: 719100 mE, 8581900 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN
GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 7.4 km SW of M ount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 3 00m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916; 1952
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):7.0t W, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-;
CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork, Residual.
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

ORE MINERALOGY.
PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q.

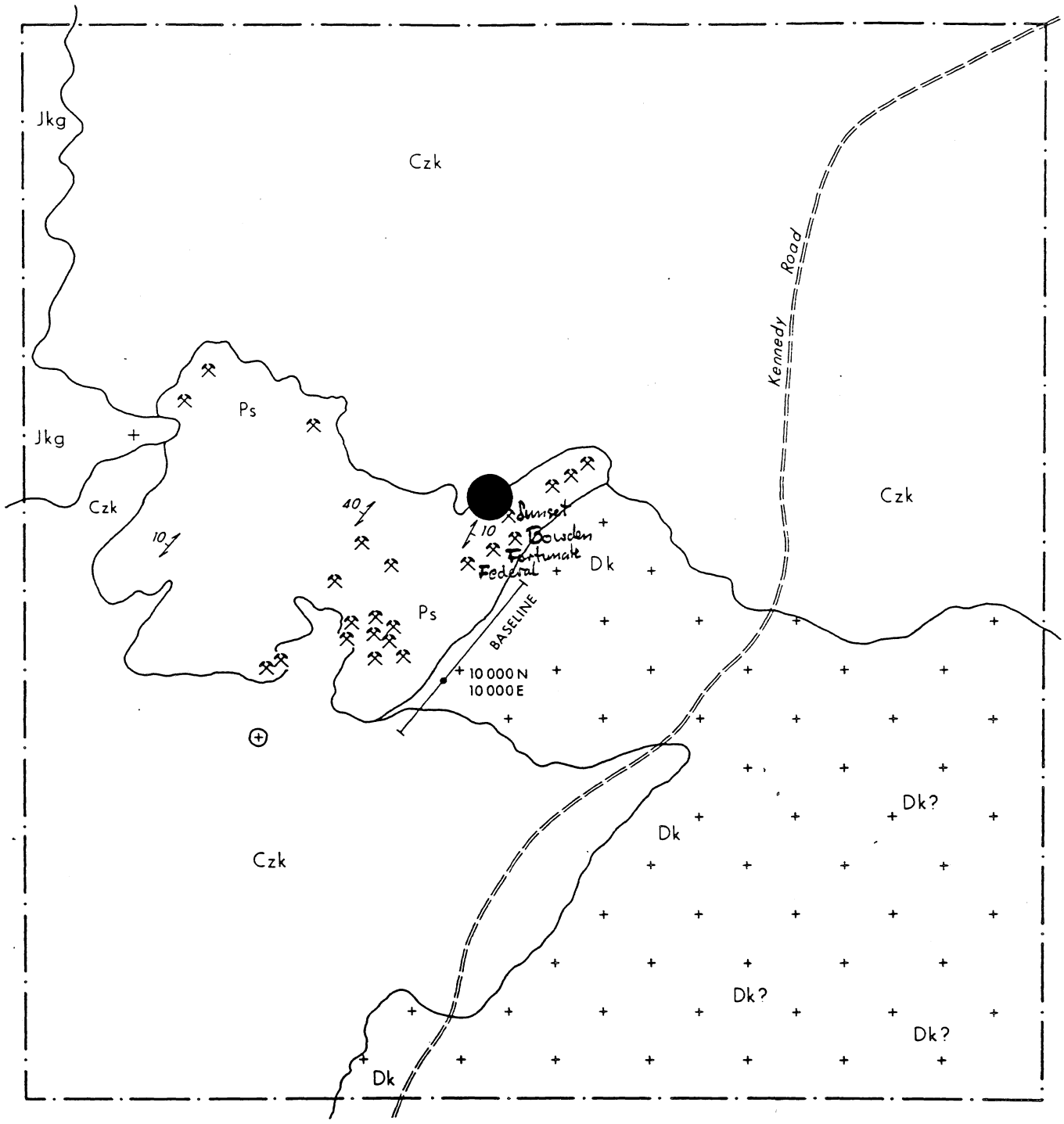
ORE TEXTURES....: Schistose.

ORE GRAIN SIZE..: Medium

ORE GENESIS: Q-reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock

REMARKS....: #GMQ-reefs formed by forceful injection into, and partial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by Q-veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). One major reef system in outcrop. Overall dip 7 to SE and it accounts for all worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min. forms halo to this min. system in the overlying rocks (2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wall rocks around the min.

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);



Cainozoic Sediments	Czk	Poorly consolidated sandstone and alluvium. Includes Yam Creek Beds.
Gilbert River Formation	Jkg	Sandstone, minor conglomerate and finer-grained sediments.
Kintore Adamallite	Dk	Coarse-grained adamellite
Sefton Metamorphics	Ps	Quartz-mica schist, quartzite

- Geological boundary from aerial photograph
- + Horizontal bedding
- Dip and strike of schistosity
- Trench or pit in wolframite lodes
- Authority to Prospect boundary

EXPLORATION BRISBANE

REGIONAL GEOLOGICAL
AUTHORITY TO PROSPECT
1889 M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G R Meares | DRAWN: D.E.H. | SCALE: | FIGURE B

CR 7872

NAME(S).....: Federal;Fortunate Favour;Sunset;Bowden (Page 2 of 2) REFERENCE NUMBER:191819B

MINERAL EXPLORATION CONTINUED.:

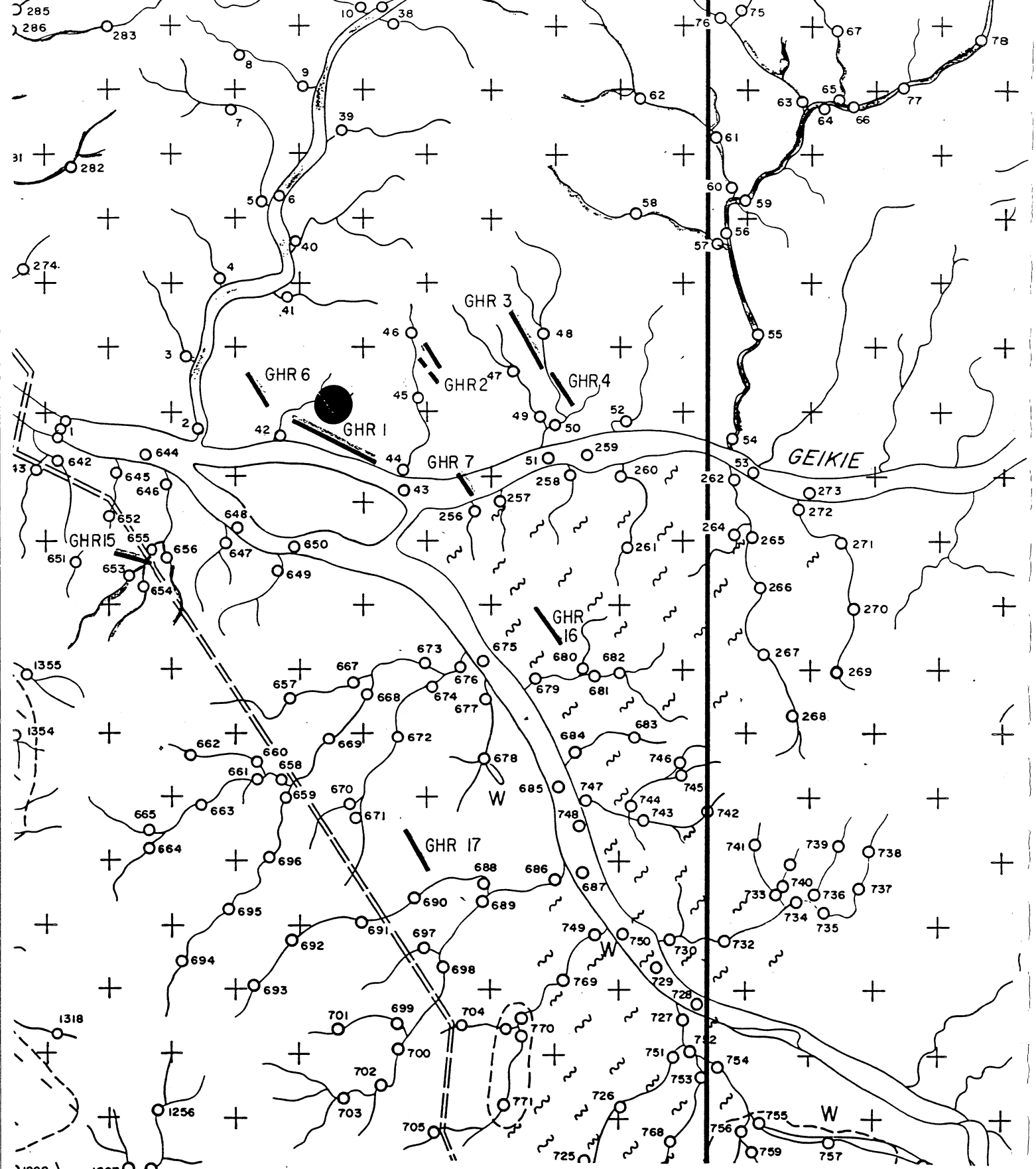
ORE GENESIS CONTINUED.:

WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE. Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:

#ALQ-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in a strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to the contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with strike and dip of the schists (few occupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil Geo: W (<5-1200 ppm) anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosity or discordant. Reefs are lensic (swell from nothing to several m.) (1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (av. thickness: 1 to 1.5m). Rock chip: 9 reefs anomalous in W: averaging at 0.22%W. 4 reefs aver. at 0.51%W (Range 0.41-0.56% W)(8). #DDFED ERAL:Situated about 400m NE from DAY TO DAY cuttings in the lode to 3m. FORTUNE FAVOUR: Adjoining the Federal, and on a continuation of the spur from the Pascoe P.C. The lode lies flat on the surface, and extensive cuttings carry along the spur easterly#MSThe lode can be traced for 400m. At one place there is a cut about 15m long, exposing an orebodt 2.3m thick, lying almost flat on slaty schist. The lode is an ironstone quartz, carrying rich patches of W. At the deepest place in the cut it appears to be commencing to dip SE. There is another open cut on the cap of the reef on the western side of the spur. #DDSELLAR'S CLAIM: Lies at the N-end of Fortunate Favour. SUNSET: Next to Sellar's claim, on the same line about 150m N of Fortune Favour. A cutting 13m in length and 2.3m deep. BOWDEN: Adjoining the Sunset claim on the eastern end. Cuttings up to 5m deep along the lode, which appears to be up to 3.3m thick in places, dipping SW.

REFERENCES CONTINUED.:



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE - QUEENSLAND

CR 3800

DATA SHEET 86

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 1 REFERENCE NUMBER:136133

COMMODITIES ....: LEAD,SILVER,GOLD?,ARSENIC?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS: LENGTH: > 90 m, WIDTH: > 1.0 m,
AMG GRID REFERENCE.: 713600 mE, 8513300 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 1.6km E junction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

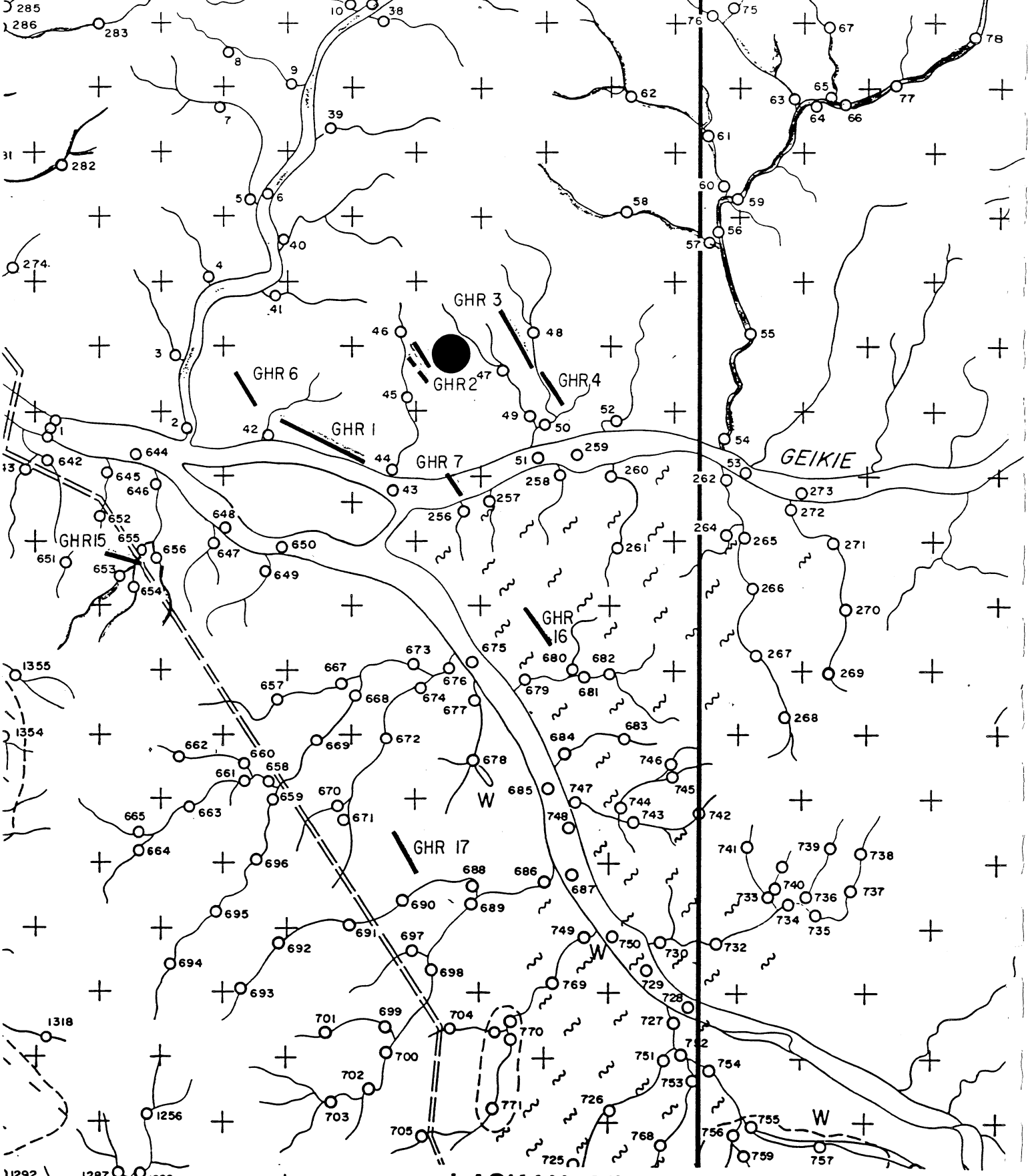
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 87

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 2 REFERENCE NUMBER: 143140

COMMODITIES ....: LEAD,SILVER,(GOLD)
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 714300 mE, 8514000 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 2.3km ENE junction Tin Creek and Archer Rive
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

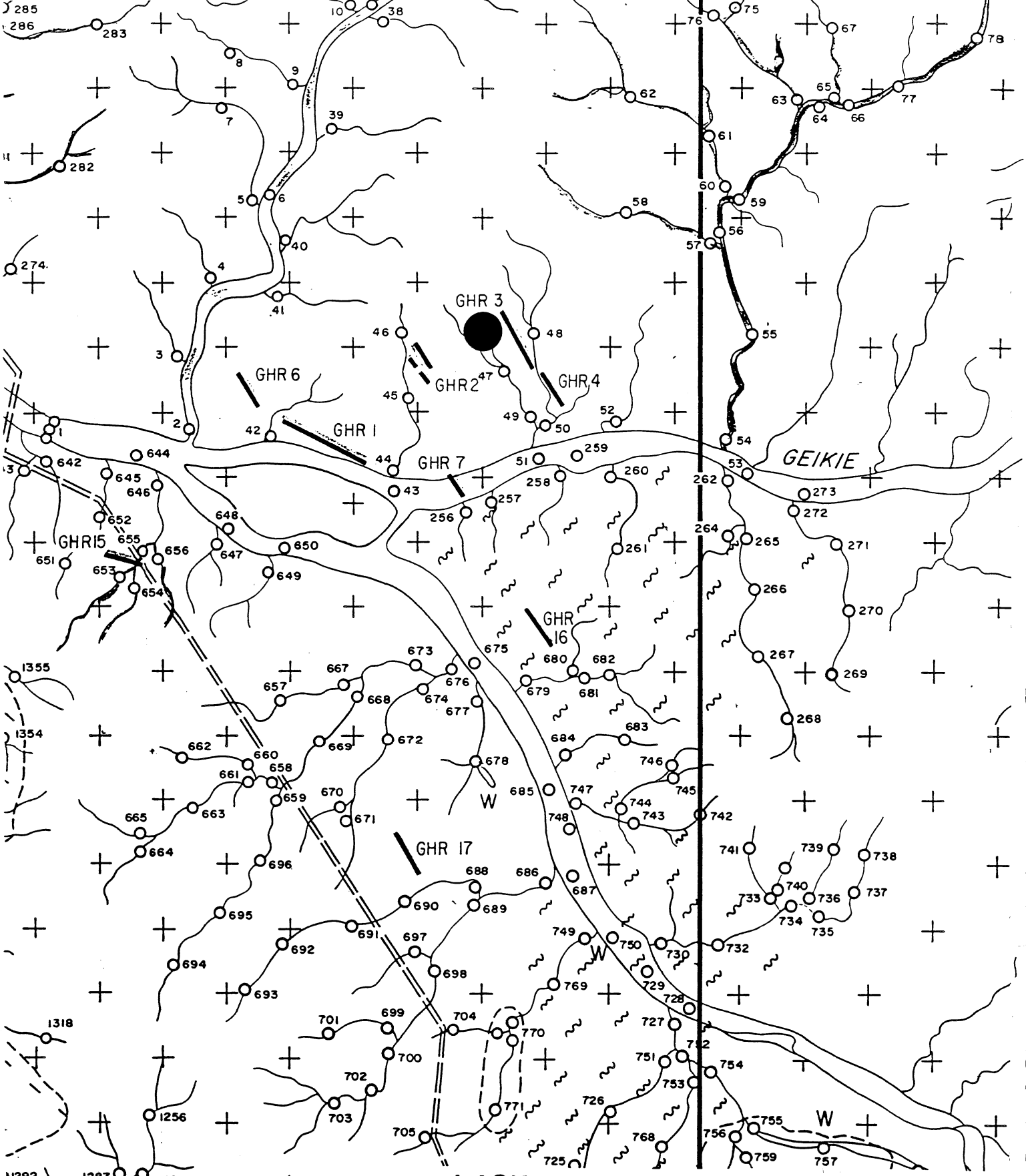
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 3 REFERENCE NUMBER:151143

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 715150 mE, 8514300 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 3.3km ENE junction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

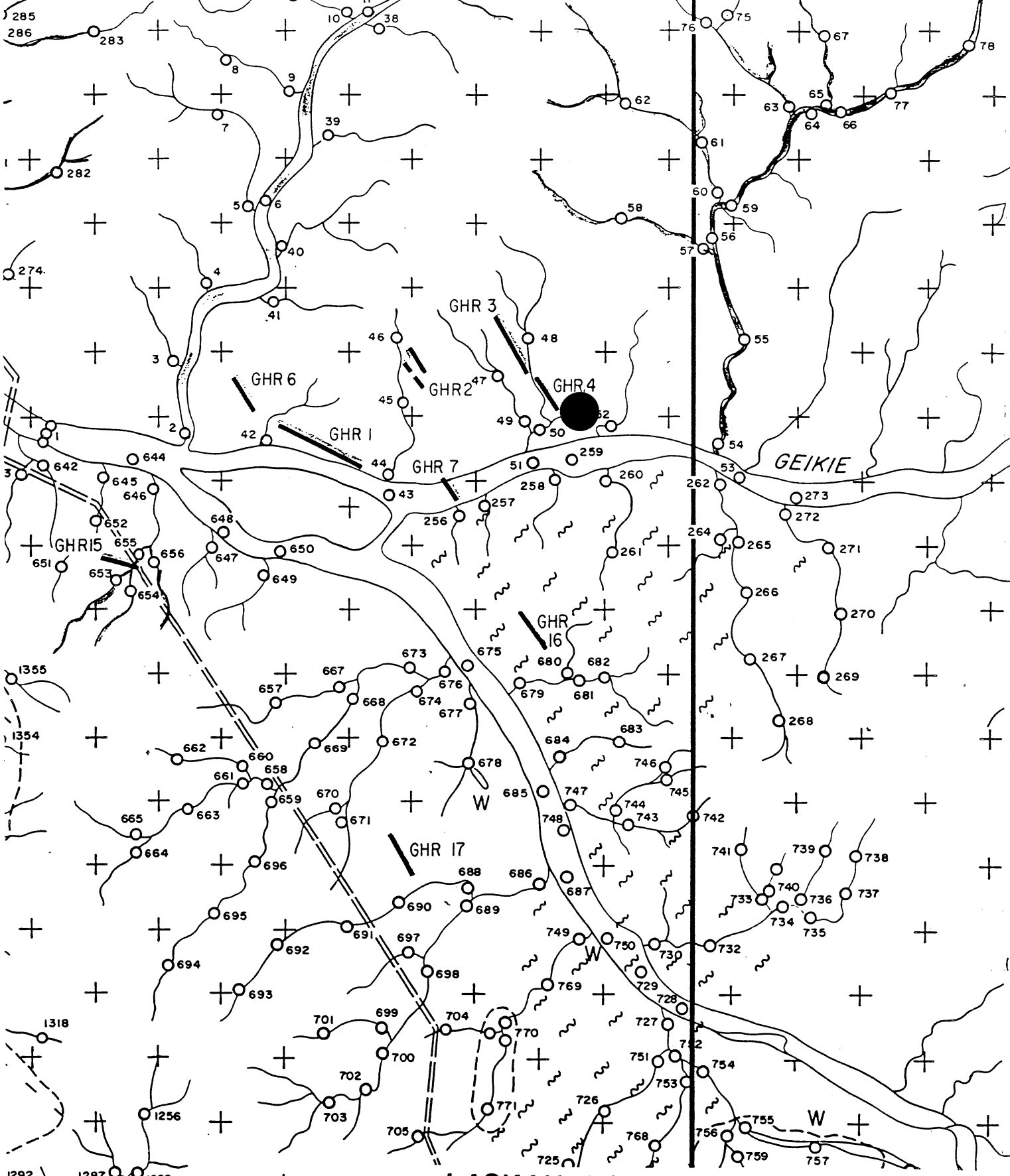
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 4 REFERENCE NUMBER:155137

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 715500 mE, 8513750 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 3.6km E junction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

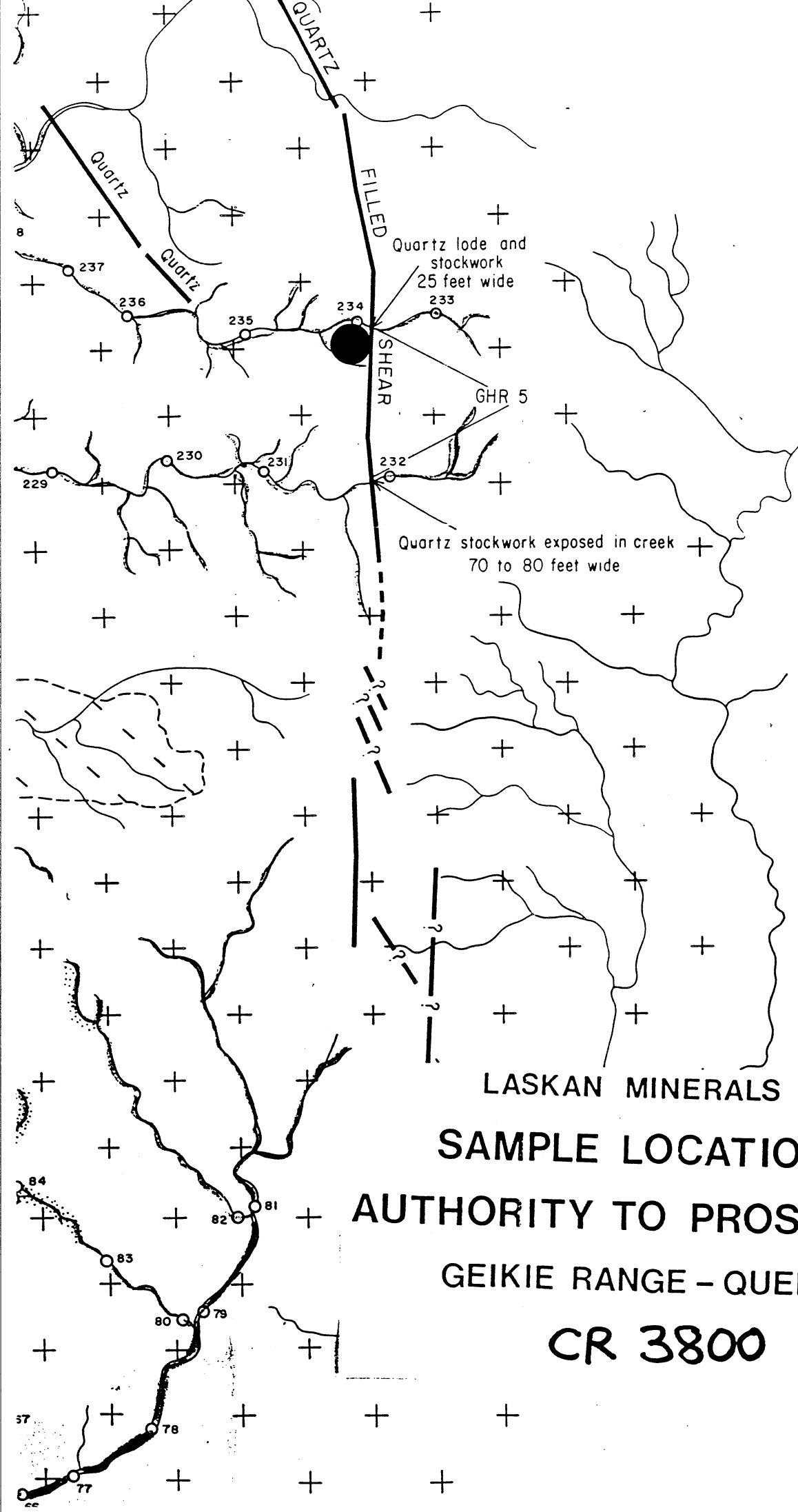
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 90

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 5 (Northern outcrop) REFERENCE NUMBER:218275

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 721800 mE, 8527500 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: E GEIKIE RANGE
LOCALITY.....: W Sandy Creek/ 1.4 km WNW of P oint 390
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 5000.0m max.long x 25.0m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

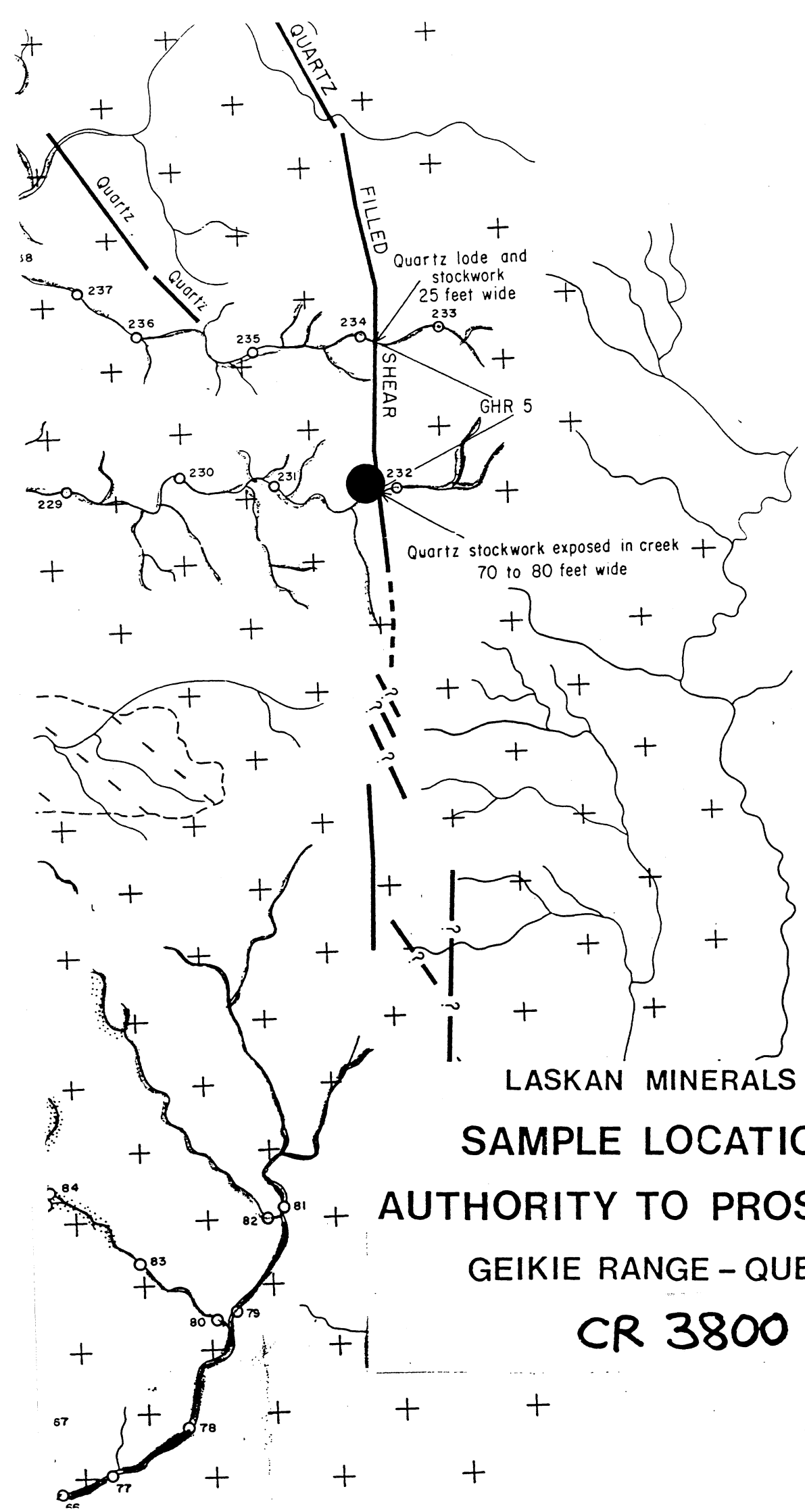
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3). #DD1 shearzone approx. 5km long and trending NS (strike), filled with Q-min.; 2 exposures in creeks: Northern creek: Quartz lode and stockwork 25 feet wide. [Southern Creek: REF.No: 218261]. #M1Northern and Southern Creek probably one orebody.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE - QUEENSLAND

CR 3800

DATA SHEET 91

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 5 (Southern outcrop) REFERENCE NUMBER:218261

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 721800 mE, 8526150 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: E GEIKIE RANGE
LOCALITY.....: W Sandy Creek/ 1.6 km SW of Point 390
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 5000.0m max.long x 25.0m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

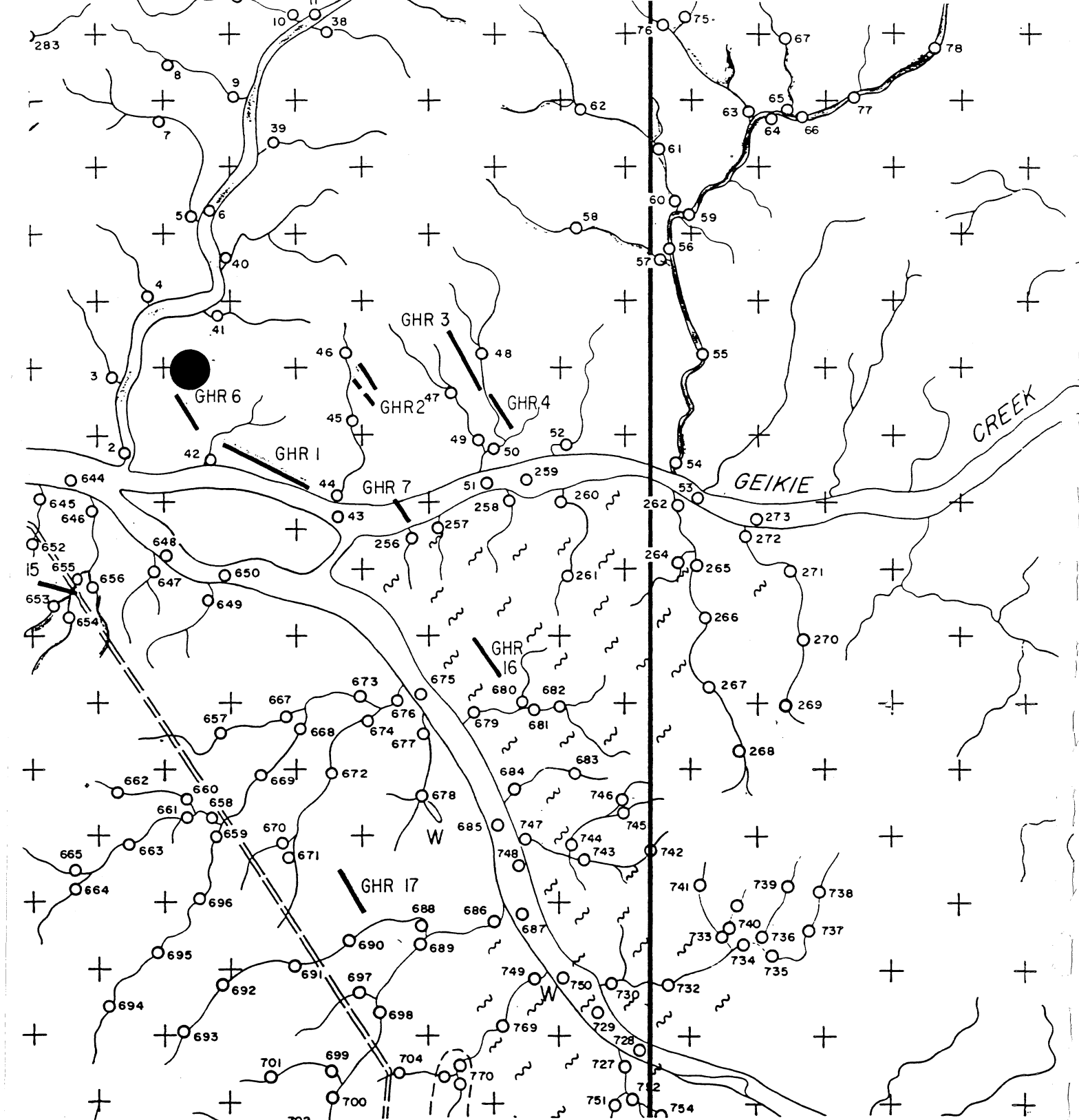
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3). #DD1 shearzone approx. 5km long and trending NS (strike), filled with Q-min.; 2 exposures in creeks: Southern creek: Quartz lode and stockwork exposed 21 to 25m wide. [Northern creek: Ref.No: 218275]. #M1Northern and southern outcrop probably one orebody.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812.

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 92

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 6 REFERENCE NUMBER:125128

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 712500 mE, 8512800 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 700m NE junction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

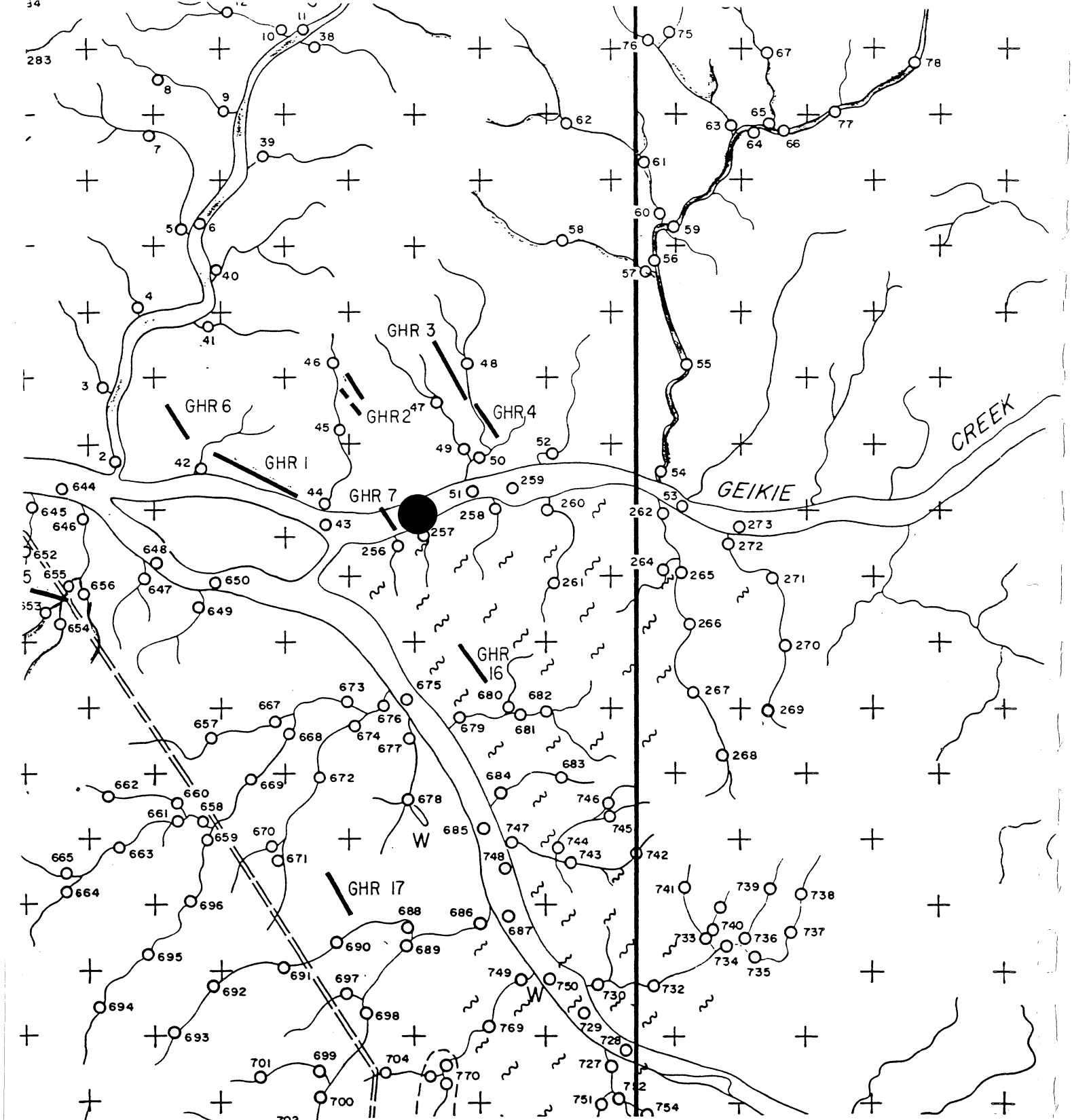
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 8121

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 93

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 7 REFERENCE NUMBER:147130

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 714700 mE, 8513000 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: On Archer River/ 2.7km E junction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

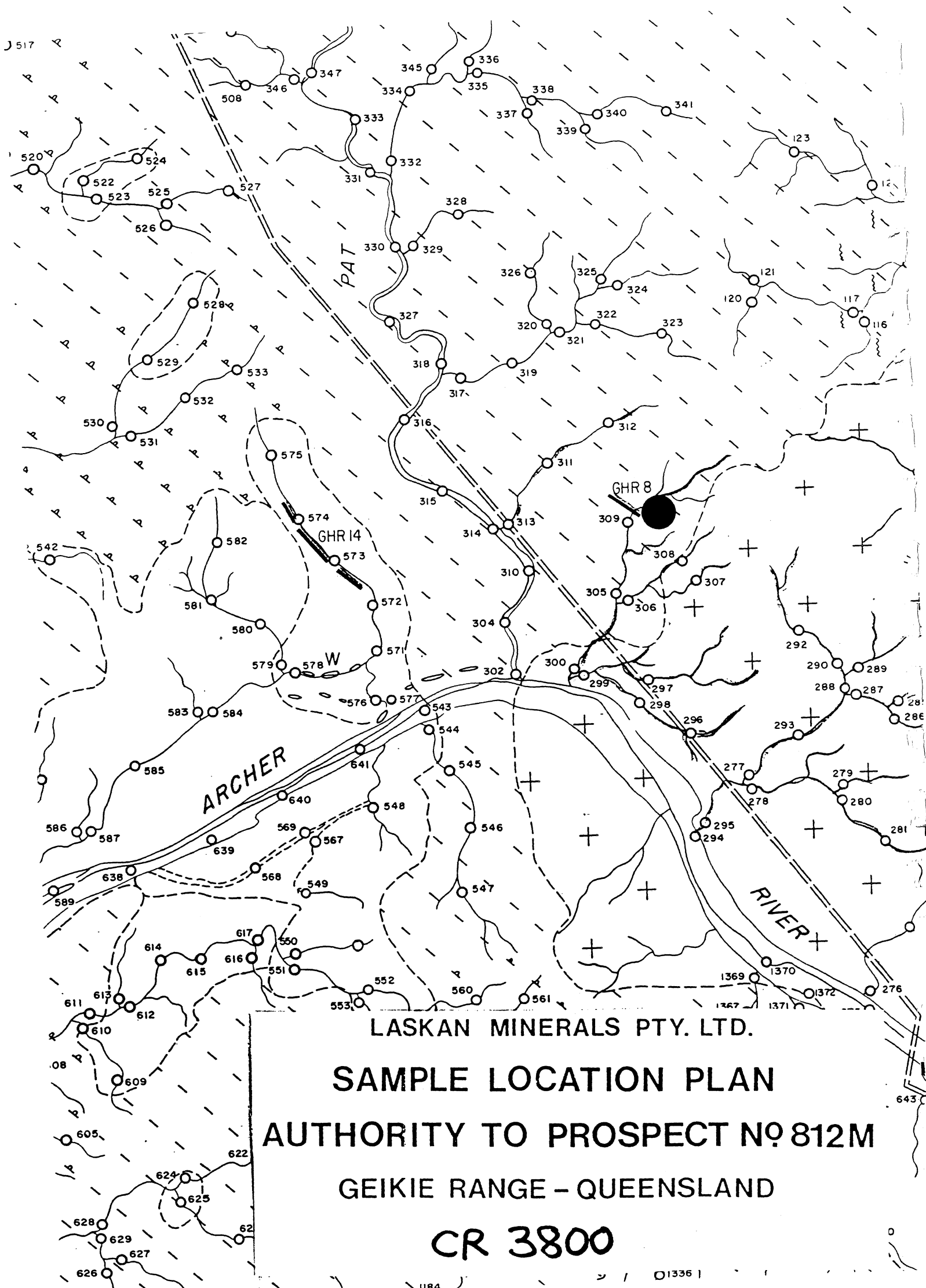
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 94

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 8 REFERENCE NUMBER:074197

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 707400 mE, 8519700 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 1.1km NE Point 108 on Peninsula.+Developm.Rd
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....; GILBERT RIVER FORMATION
HOST ROCK TYPE: Slightly clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);

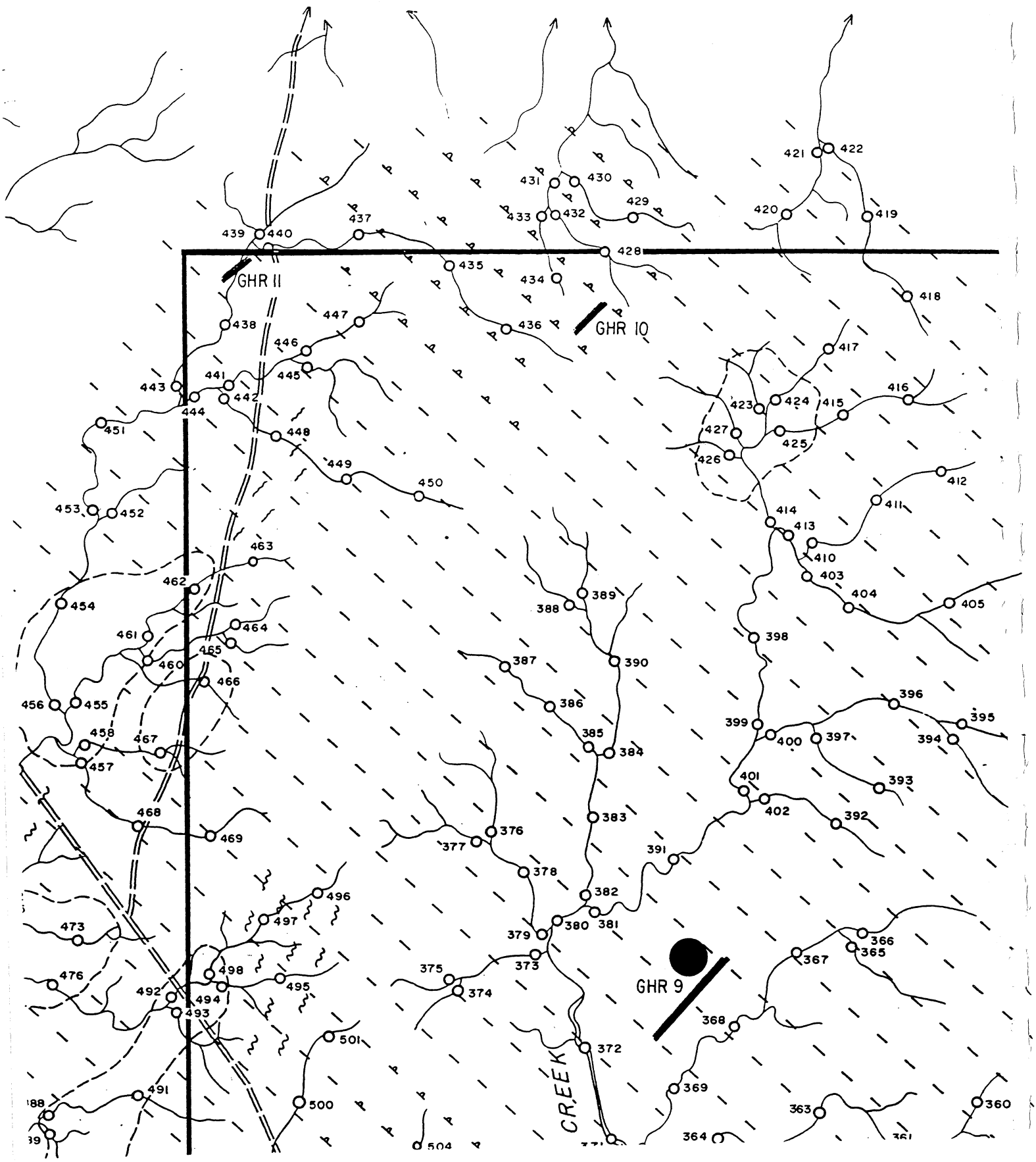
LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE - QUEENSLAND

CR 3800



DATA SHEET 95

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR 9 REFERENCE NUMBER:048280

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 704800 mE, 8528000 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N of landing ground at Wolvert on (1.1km NNE)
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: silty clayey sandstone.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);

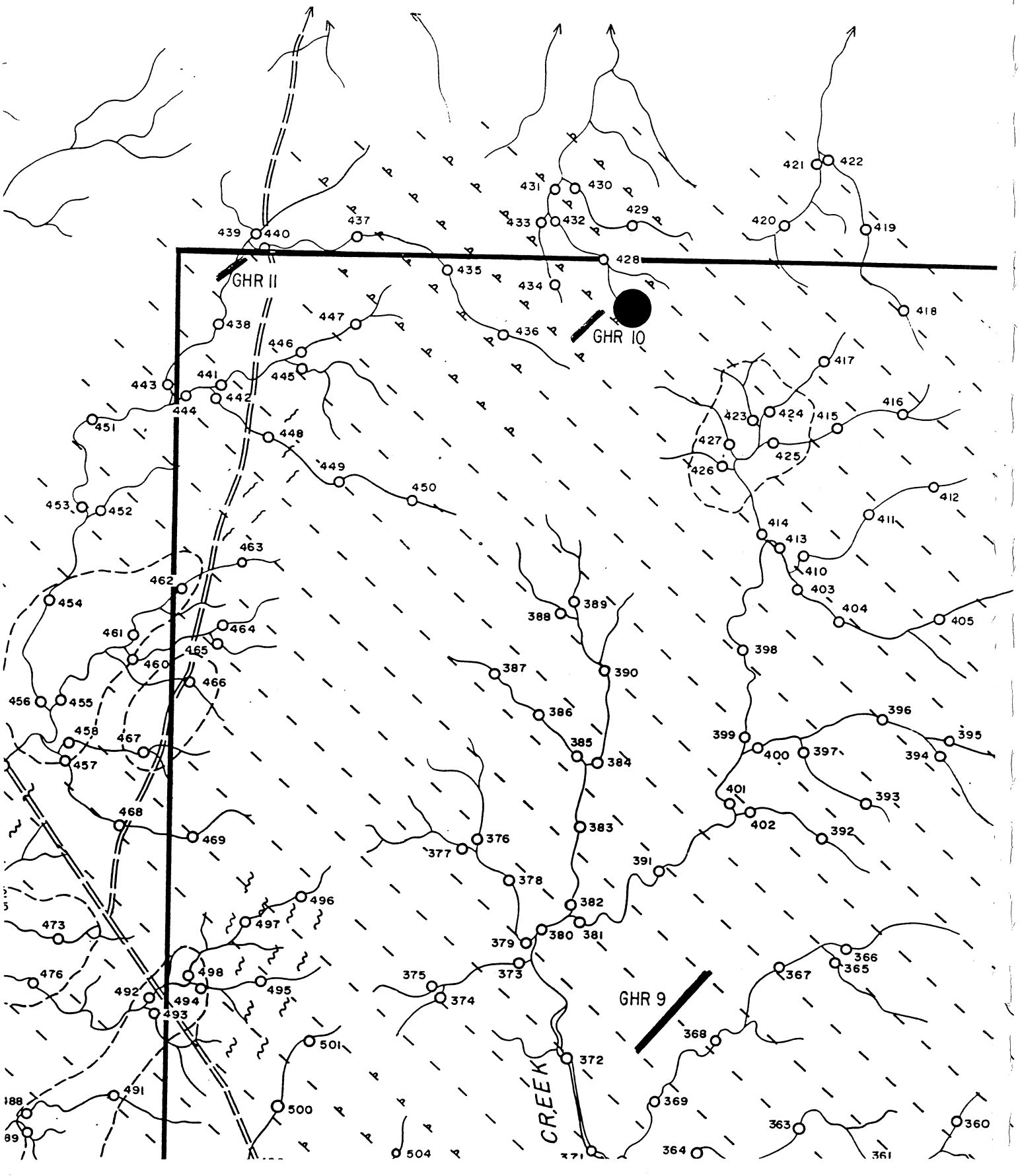
LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 3800



DATA SHEET 96

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR10 REFERENCE NUMBER:994350

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 699400 mE, 8535000 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: E Peninsula Rd./ 2.3km E-ESE P oint 143 on Pen.Rd.
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: ROLLING DOWNS GROUP
HOST ROCK TYPE: silty clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);

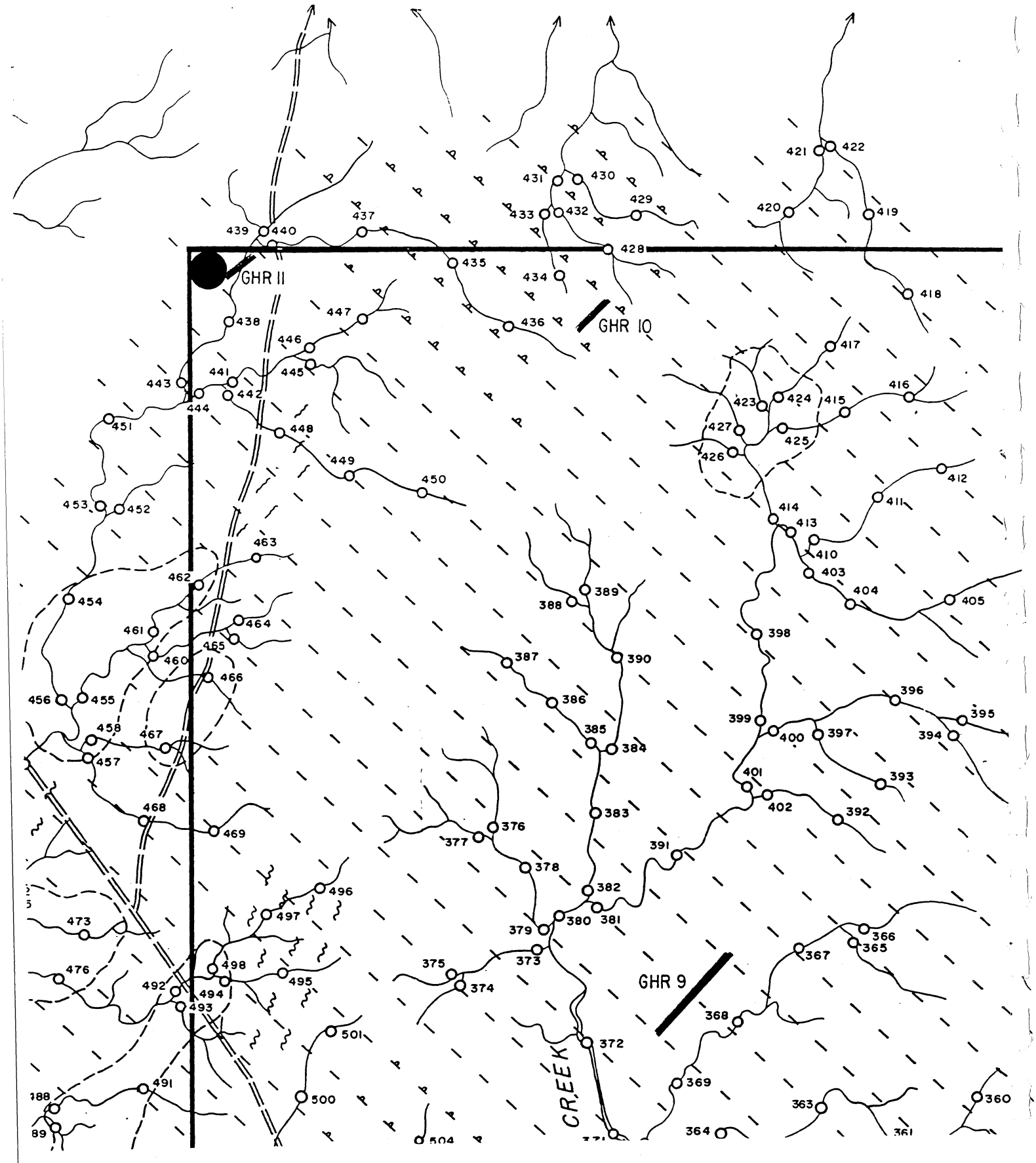
LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 3800



DATA SHEET 97

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR11 REFERENCE NUMBER:032351

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 703200 mE, 8535100 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: E Junction Peninsula + Portl.R ds./400m NW from Point 226
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: ROLLING DOWNS GROUP
HOST ROCK TYPE: Silty clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

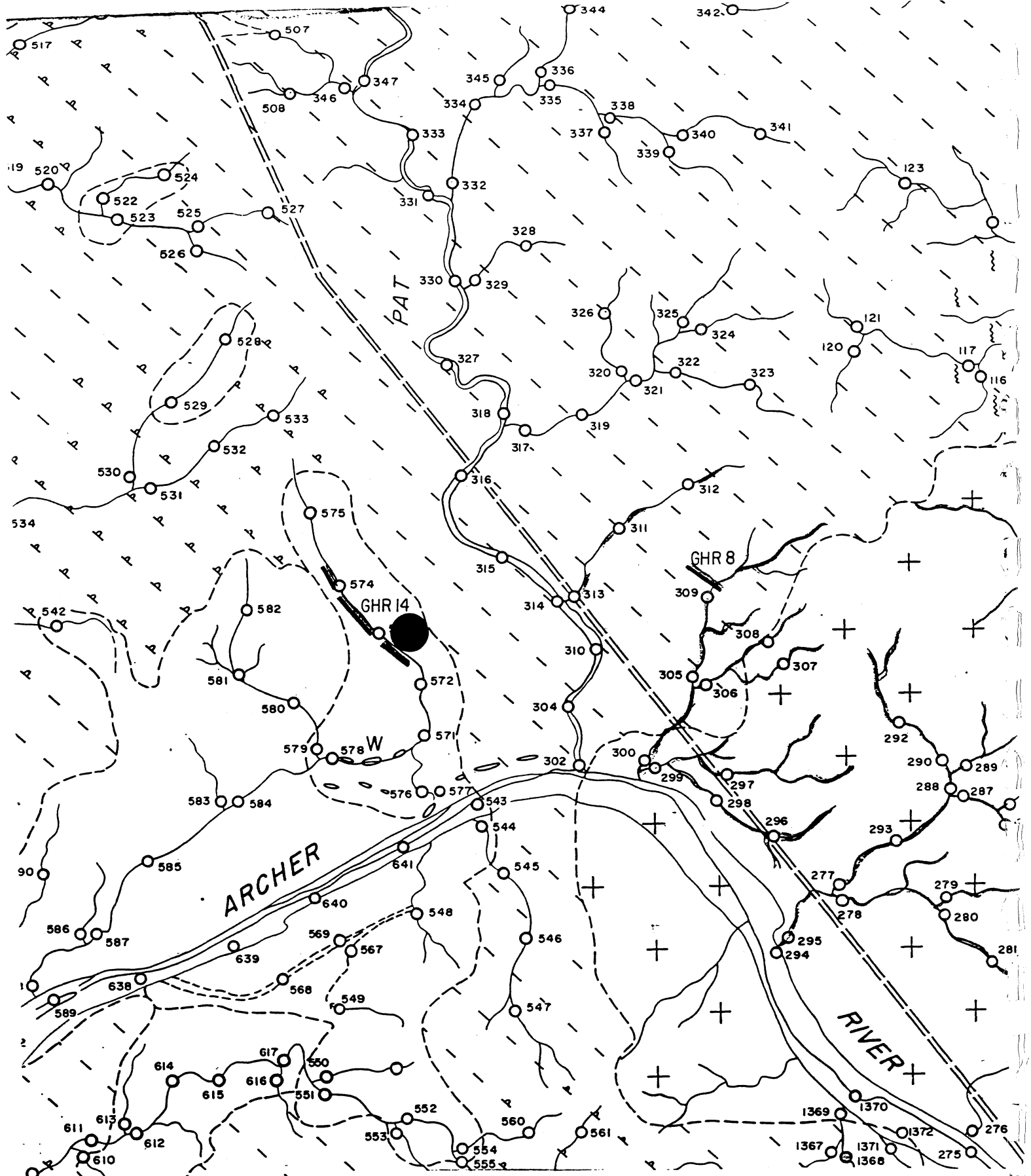
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 98

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR12 REFERENCE NUMBER: 985295

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 698500 mE, 8529500 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: W GEIKIE RANGE
LOCALITY.....: W Peninsula Rd./ 1.7km S Point 130;2.7km WSW P.195
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: ROLLING DOWNS GROUP
HOST ROCK TYPE: Silty clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);

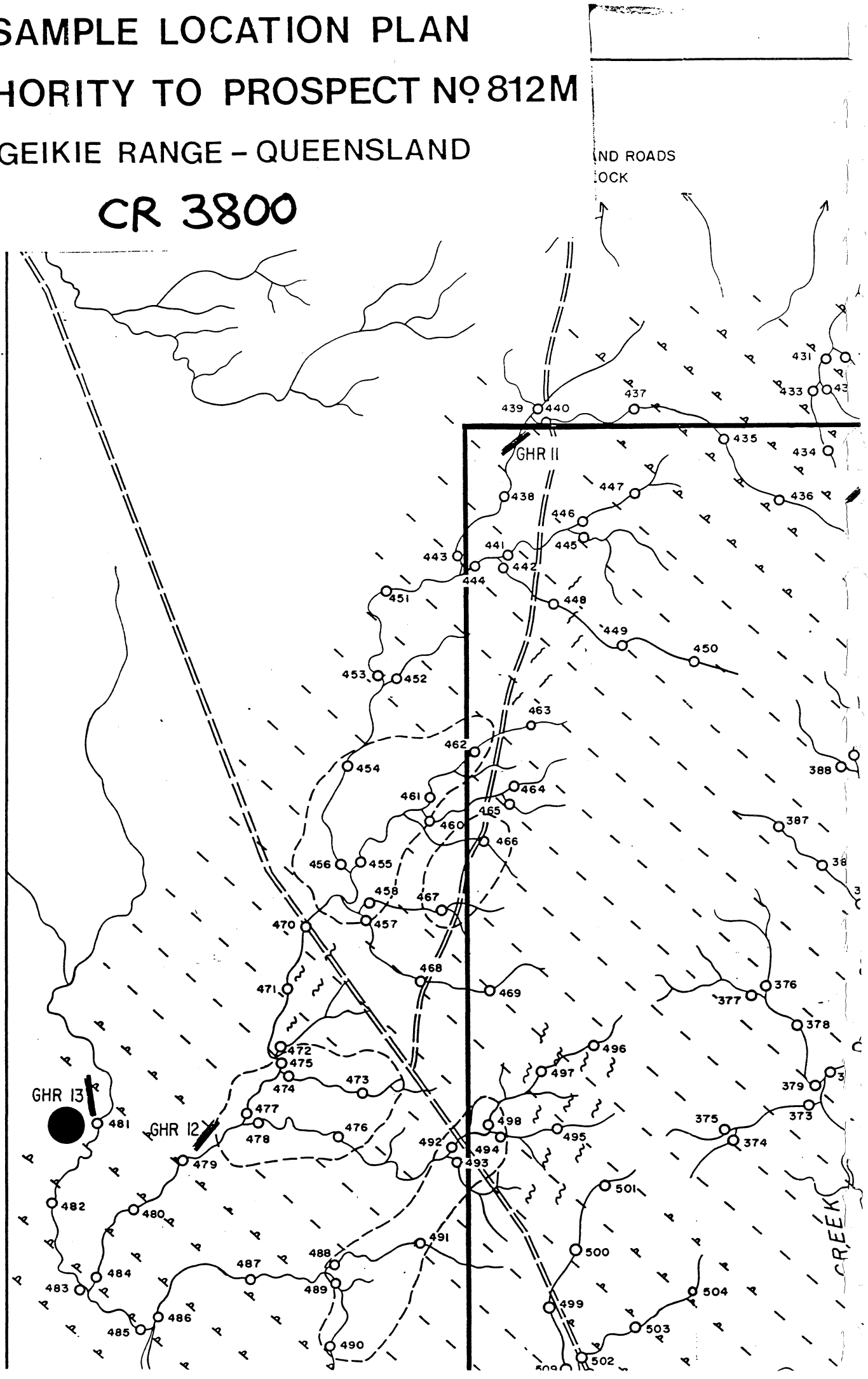
LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 3800



DATA SHEET 99

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR13 **REFERENCE NUMBER:974298**

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 697400 mE, 8529800 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: W GEIKIE RANGE
LOCALITY.....: W Peninsula Rd./ 3.7km W-WSW P .195
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: ROLLING DOWNS GROUP
HOST ROCK TYPE: Silty clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

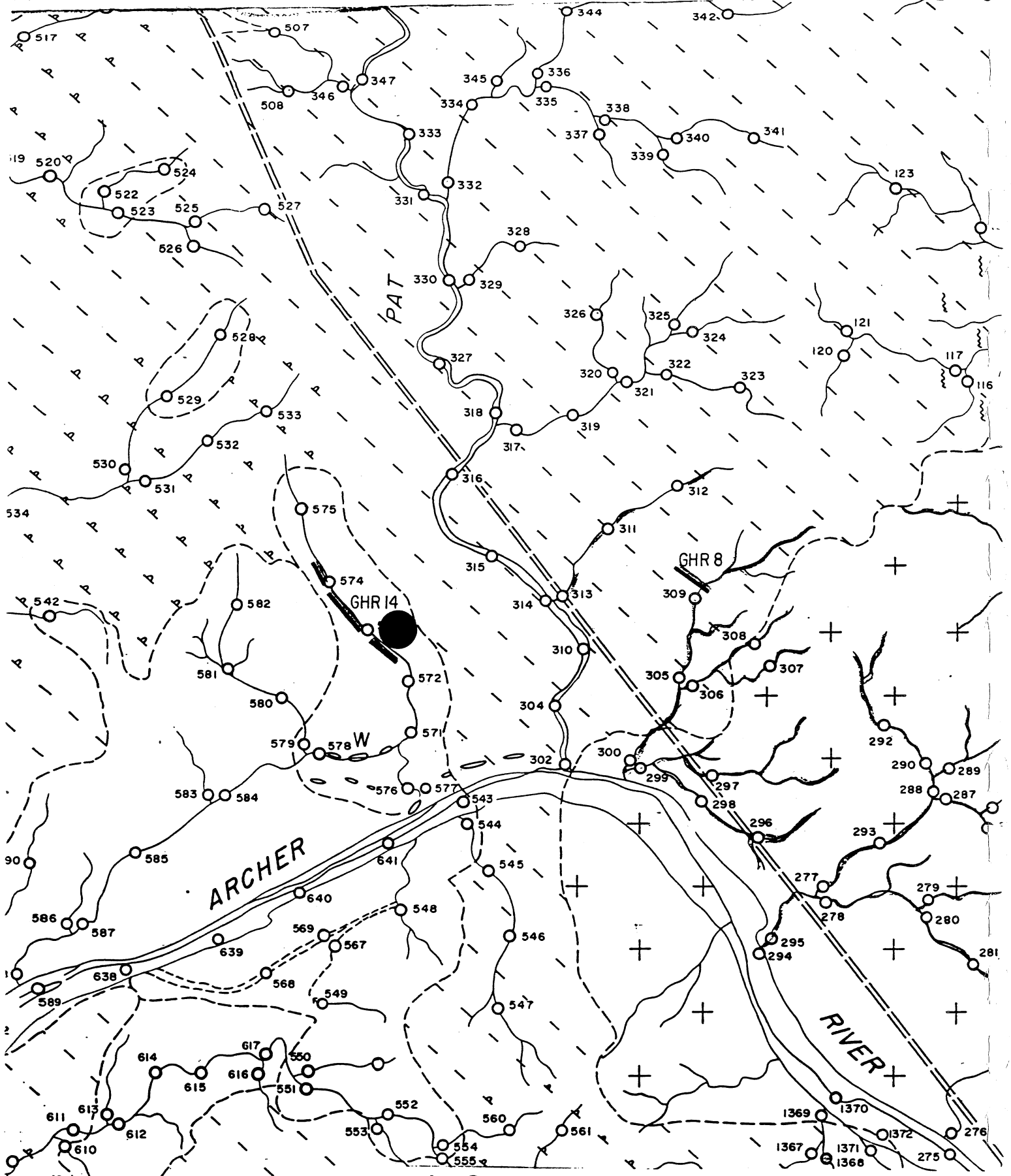
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 100

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR14 REFERENCE NUMBER:038193

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 703800 mE, 8519300 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: N Archer River/ 2.7km WNW Poin t 108 on Peninsula & Devel.Rd.
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: Slightly clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

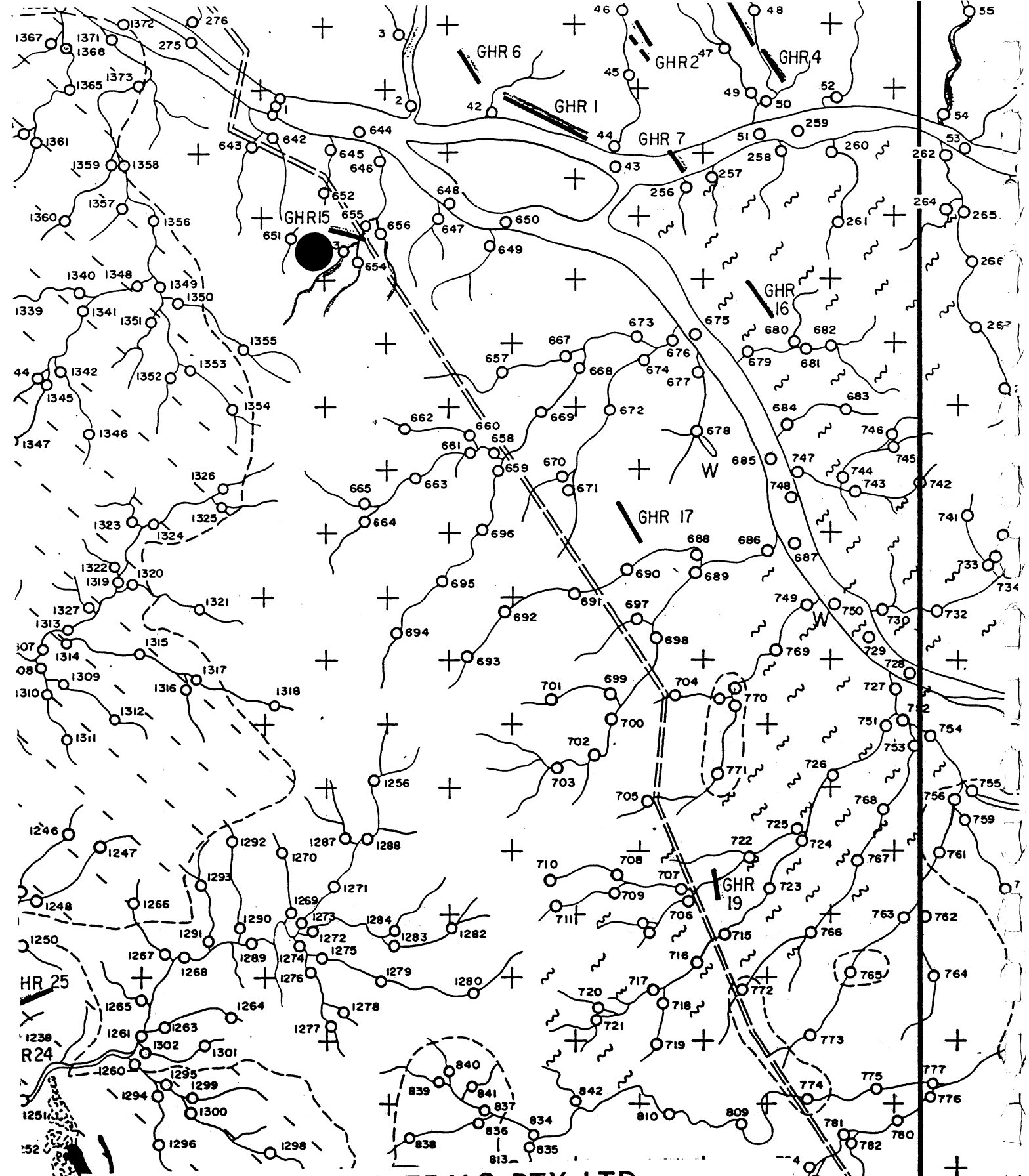
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No. 812M

GEIKIE RANGE - QUEENSLAND

CR 3800

DATA SHEET 101

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR15 REFERENCE NUMBER:115122

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 711500 mE, 8512200 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: S Archer River/Peninsula Rd./ 1.2km SW junction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

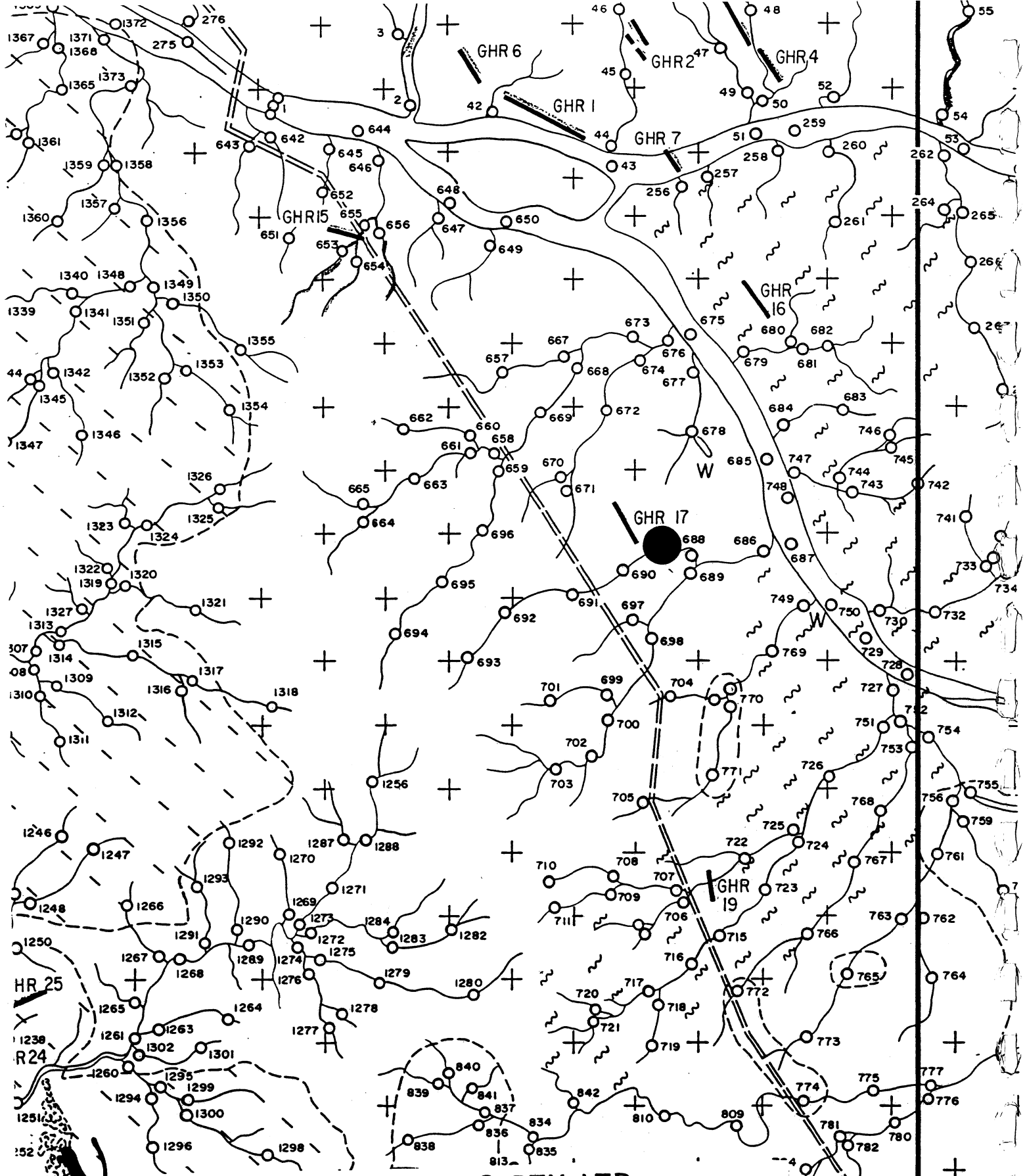
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 2800

DATA SHEET 102

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR16 REFERENCE NUMBER:153117

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 715350 mE, 8511700 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: In fork of Geikie Ck./ 3.7km j unction Tin Creek
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE/HOLROYD METAMORPHICS
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Early Permian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

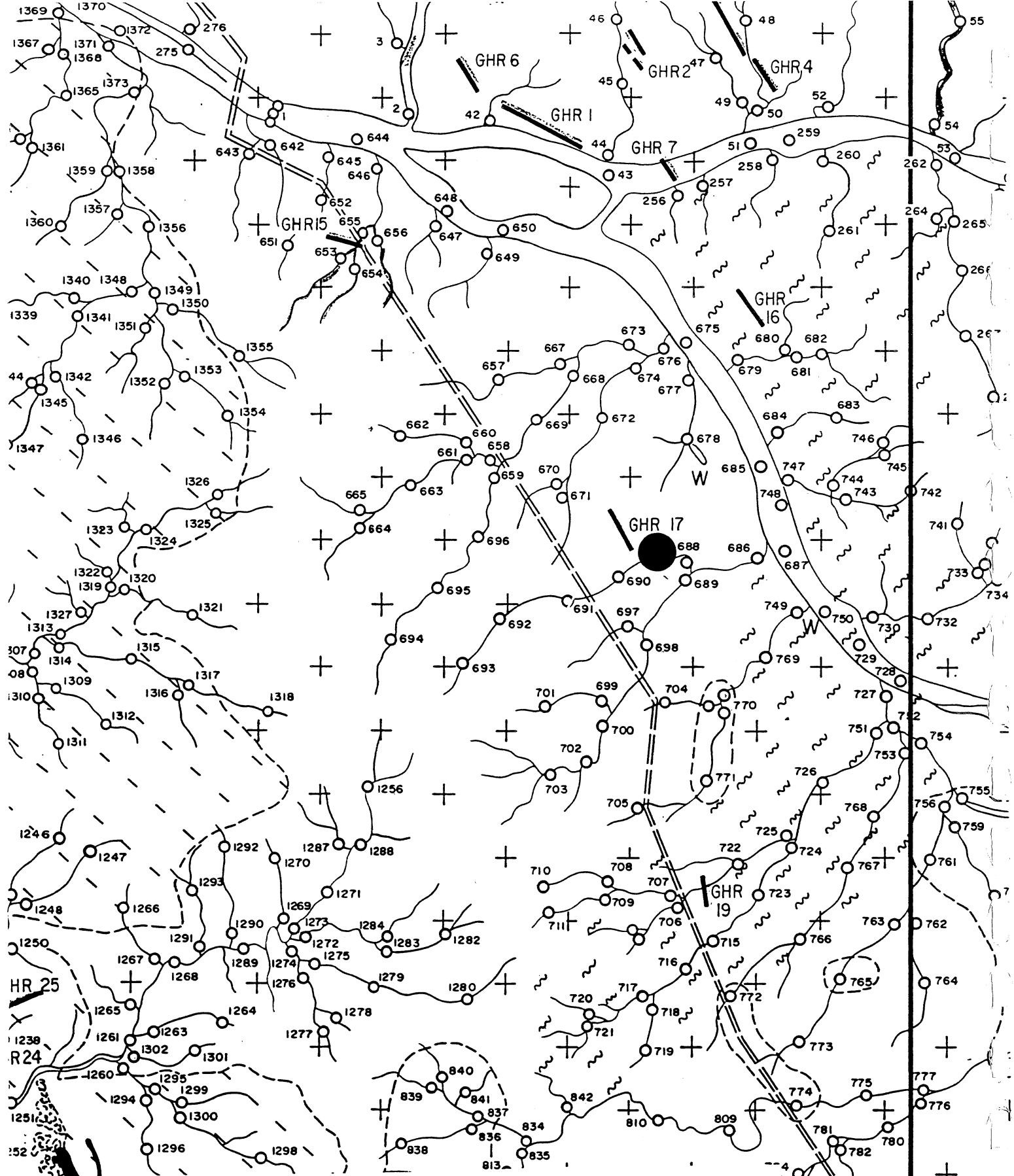
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 103

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
- MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR17 REFERENCE NUMBER:138099

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 713800 mE, 8509900 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: S Archer River/ 9.7km S of landing ground at Cooks Tin Mine.
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

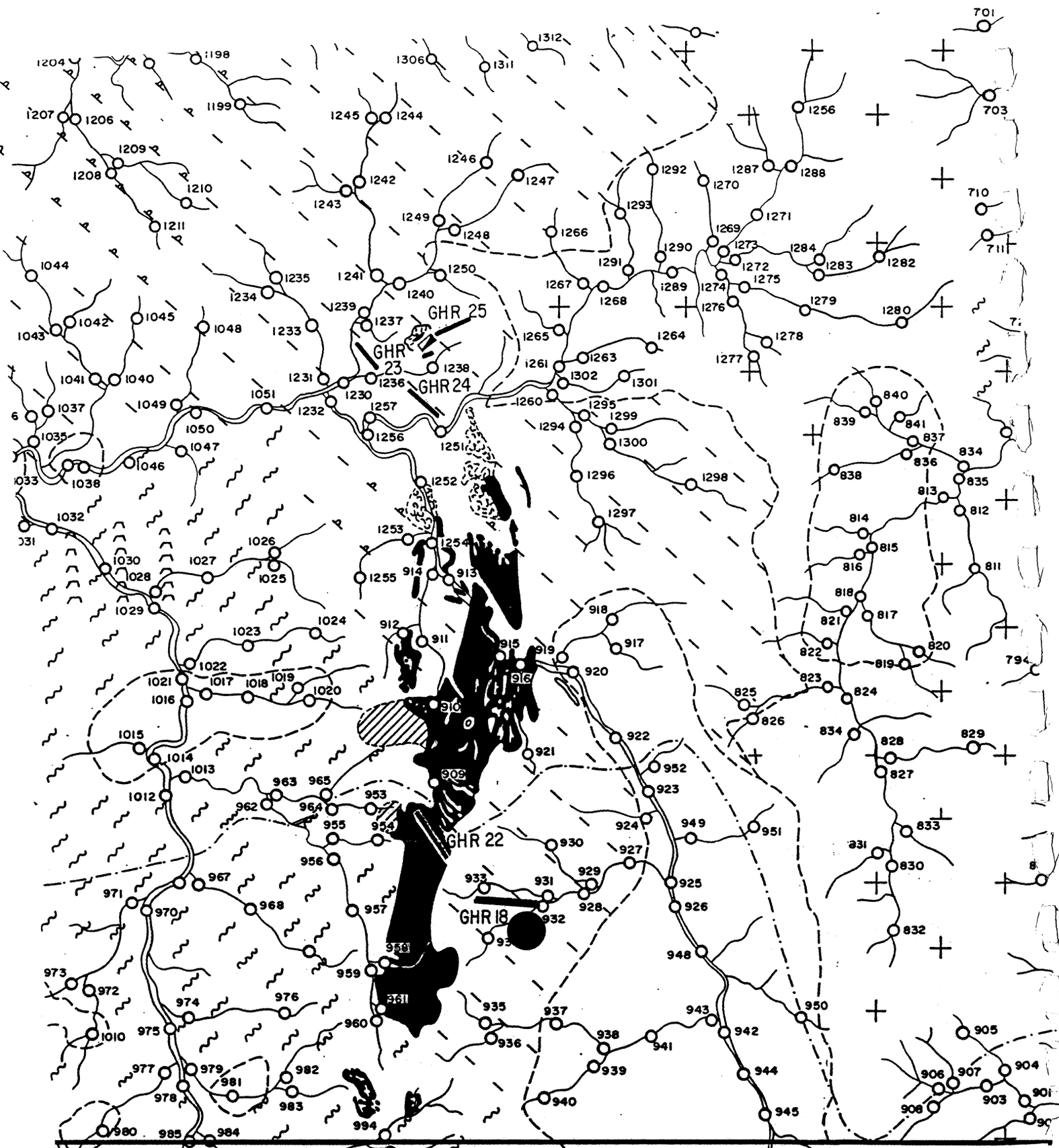
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No. 812M

GEIKIE RANGE - QUEENSLAND

CR 3800

DATA SHEET 104

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR18 REFERENCE NUMBER:087992

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 708700 mE, 8499200 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: 1.0km NNW of Point 253

LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE : MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

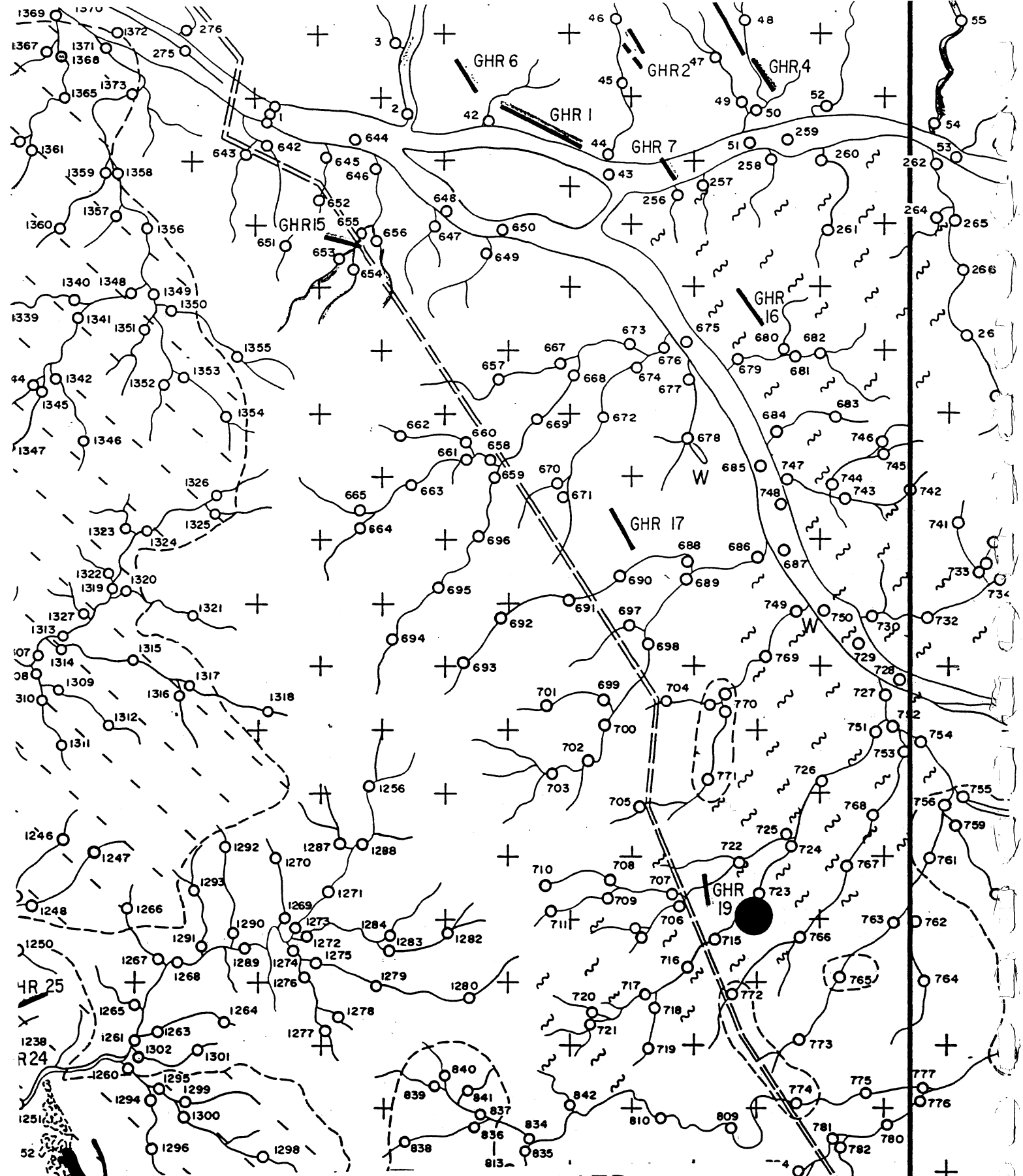
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 2800

DATA SHEET 105

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR19 REFERENCE NUMBER:146060

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 714600 mE, 8506000 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: At Peninsula Rd./ 5.0km NE of Point 256
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyric biotite adamellite
HOST ROCK AGE : Late Silurian - Early Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MNPb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PRAverage grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);

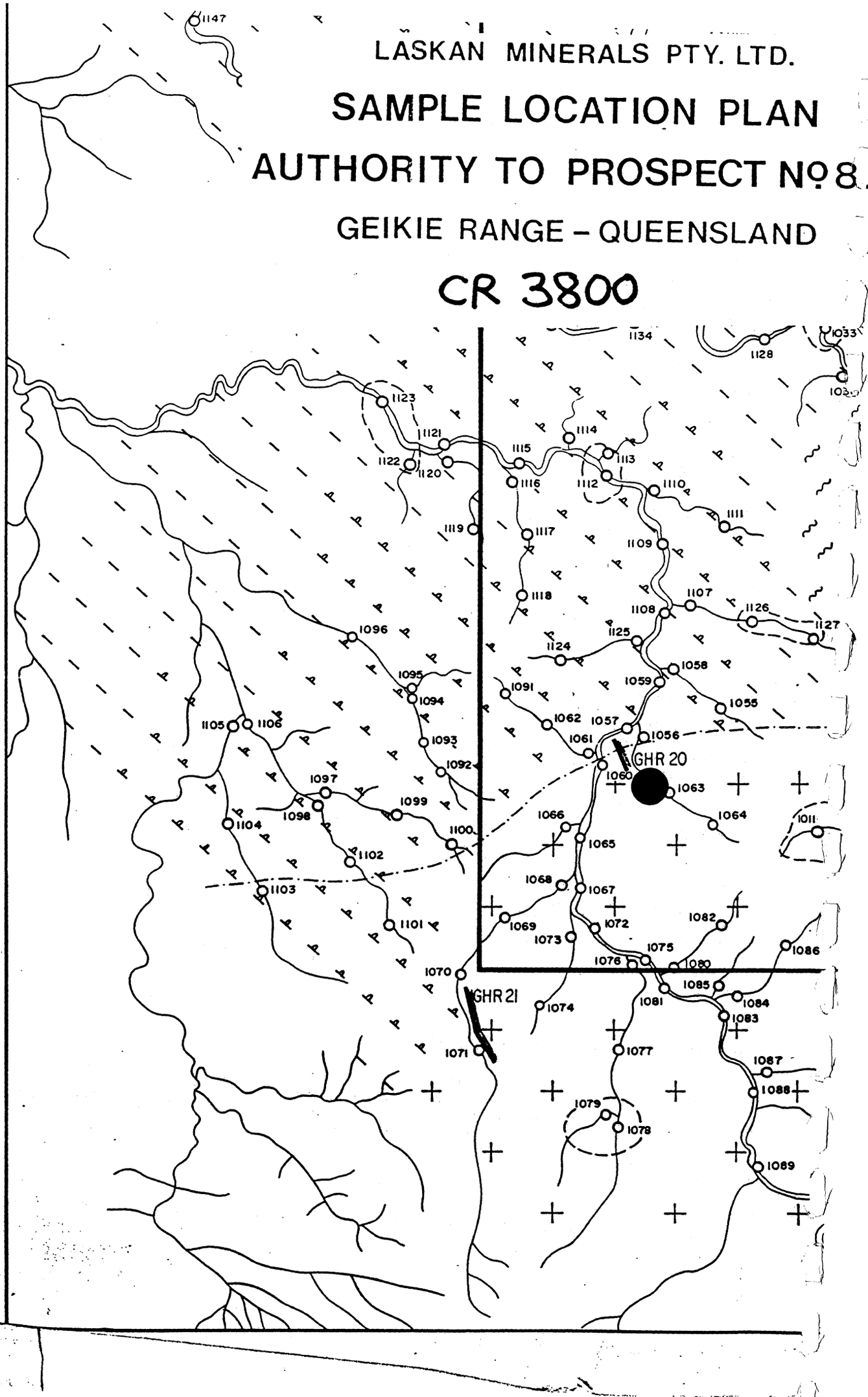
LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 8.

GEIKIE RANGE – QUEENSLAND

CR 3800



DATA SHEET 106

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR20

REFERENCE NUMBER:010992

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 701000 mE, 8499200 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 300m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: SW GEIKIE RANGE
LOCALITY.....: 27km NNE of Jabaroo Outstation / 2.1km WSW of Point 185
LOCALITY ACC.: CR 4601/ CR 3800/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width wouldbe about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);

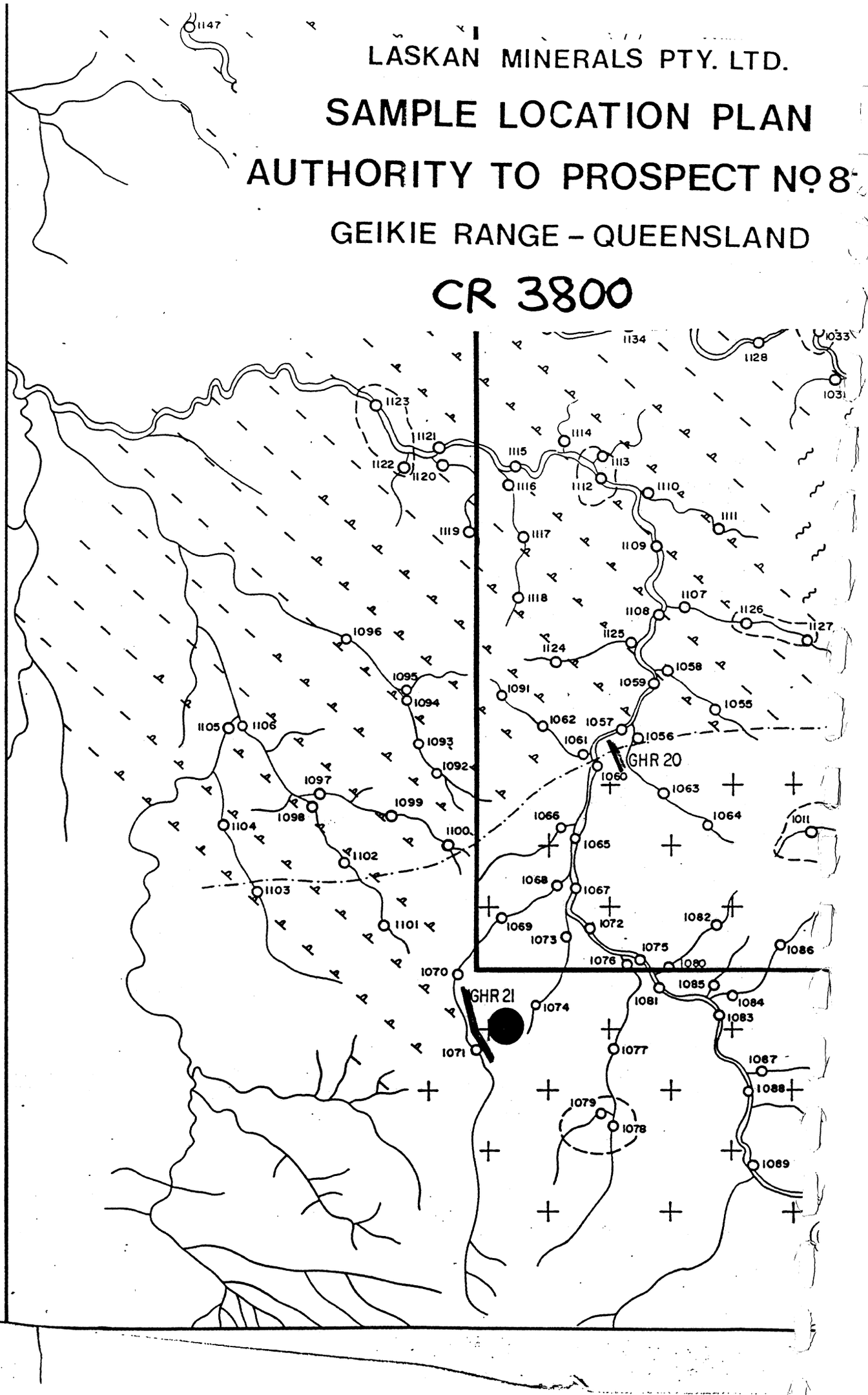
LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 8

GEIKIE RANGE - QUEENSLAND

CR 3800



DATA SHEET 107

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR21 REFERENCE NUMBER:006967

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 700600 mE, 8496700 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 300m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: SW GEIKIE RANGE
LOCALITY.....: 24.5km N of Jabaroo Outstation landing ground
LOCALITY ACC.: CR 4601/ CR 3800/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE : MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

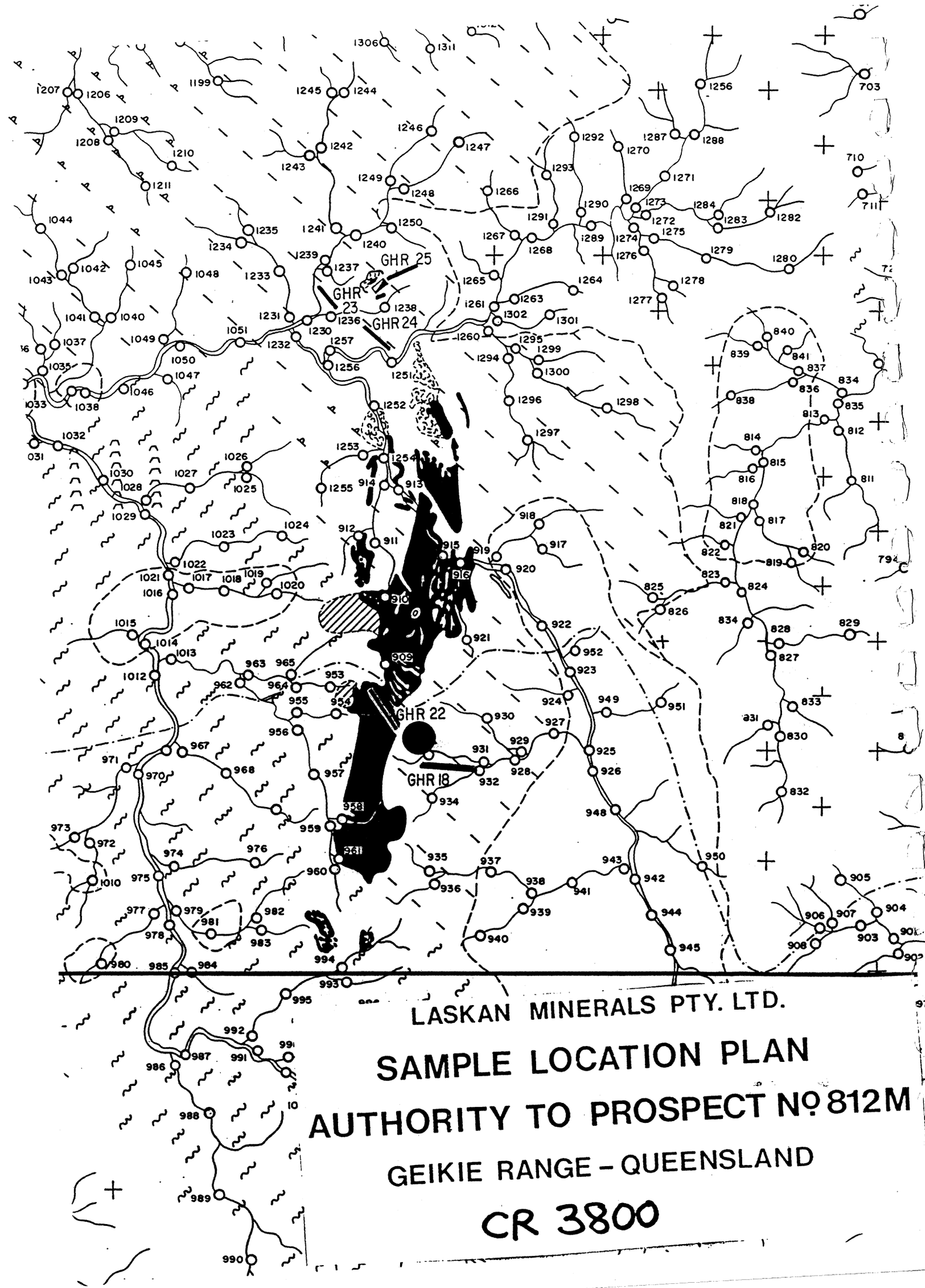
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max. strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE - QUEENSLAND

CR 3800

DATA SHEET 108

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR22 REFERENCE NUMBER:078996

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 707800 mE, 8499600 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 300m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: SW GEIKIE RANGE
LOCALITY.....: 800m NE Point 253

LOCALITY ACC.: CR 4601/ CR 3800/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE : MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

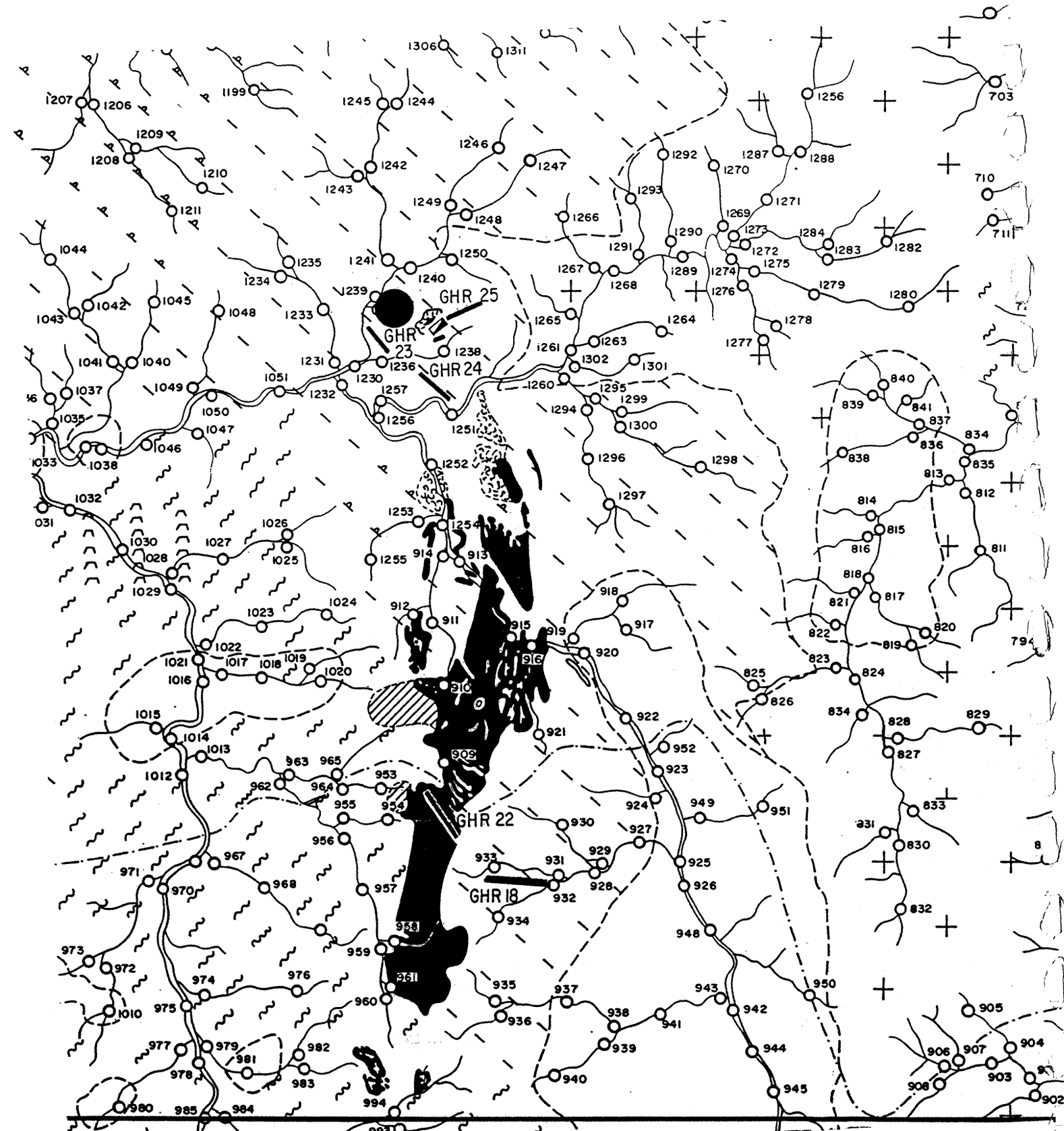
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 109

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR23 REFERENCE NUMBER:043035

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 704300 mE, 8503550 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 300m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: SW GEIKIE RANGE
LOCALITY.....: W Peninsula Rd./ 5.3km SW Point 216
LOCALITY ACC.: CR 4601/ CR 3800/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE : MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

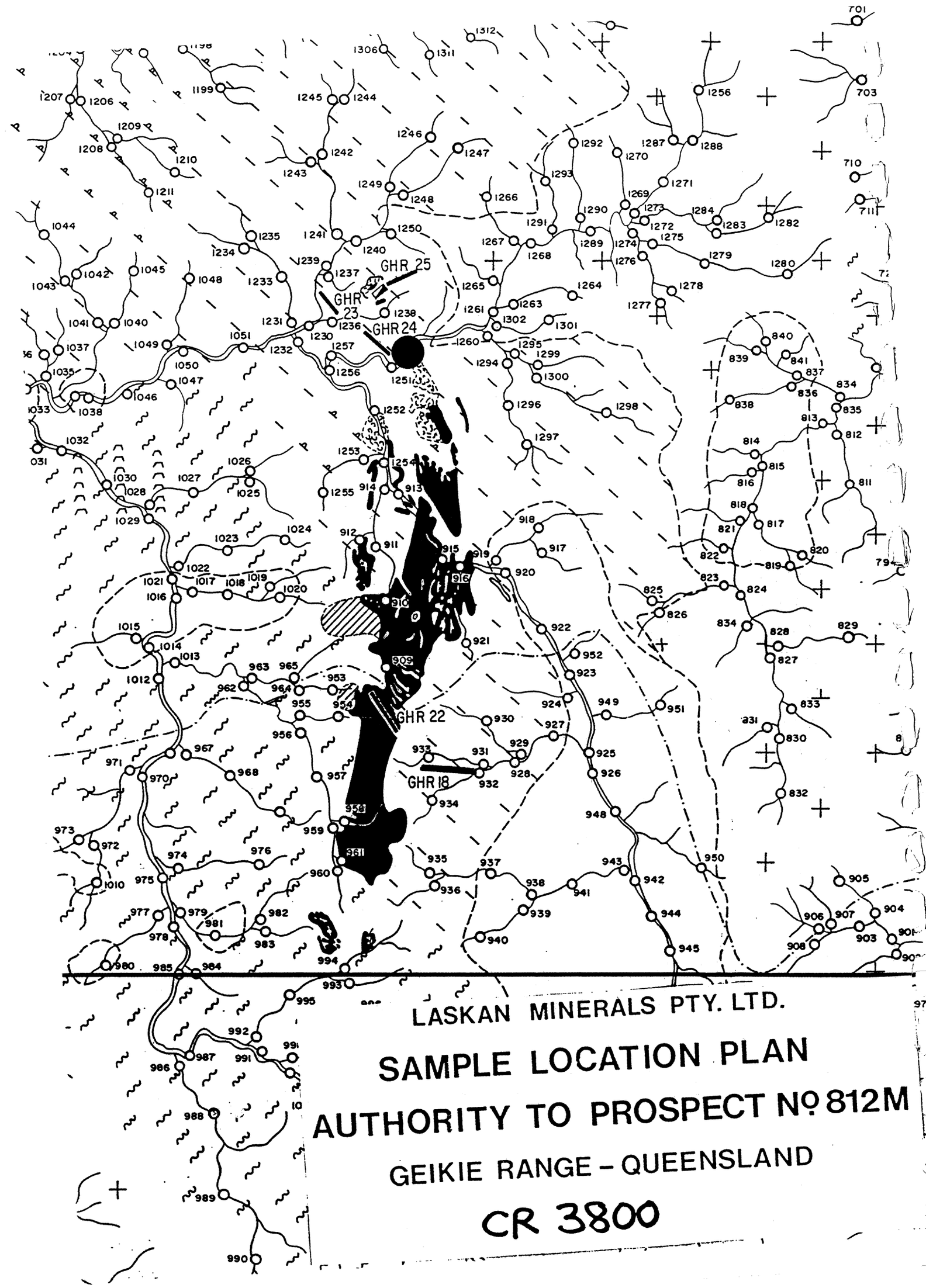
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT No 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 110

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR24 REFERENCE NUMBER:046034

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 704600 mE, 8503450 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 300m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: SW GEIKIE RANGE
LOCALITY.....: W Peninsula Rd./ 5.1km SW Point 216
LOCALITY ACC.: CR 4601/ CR 3800/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

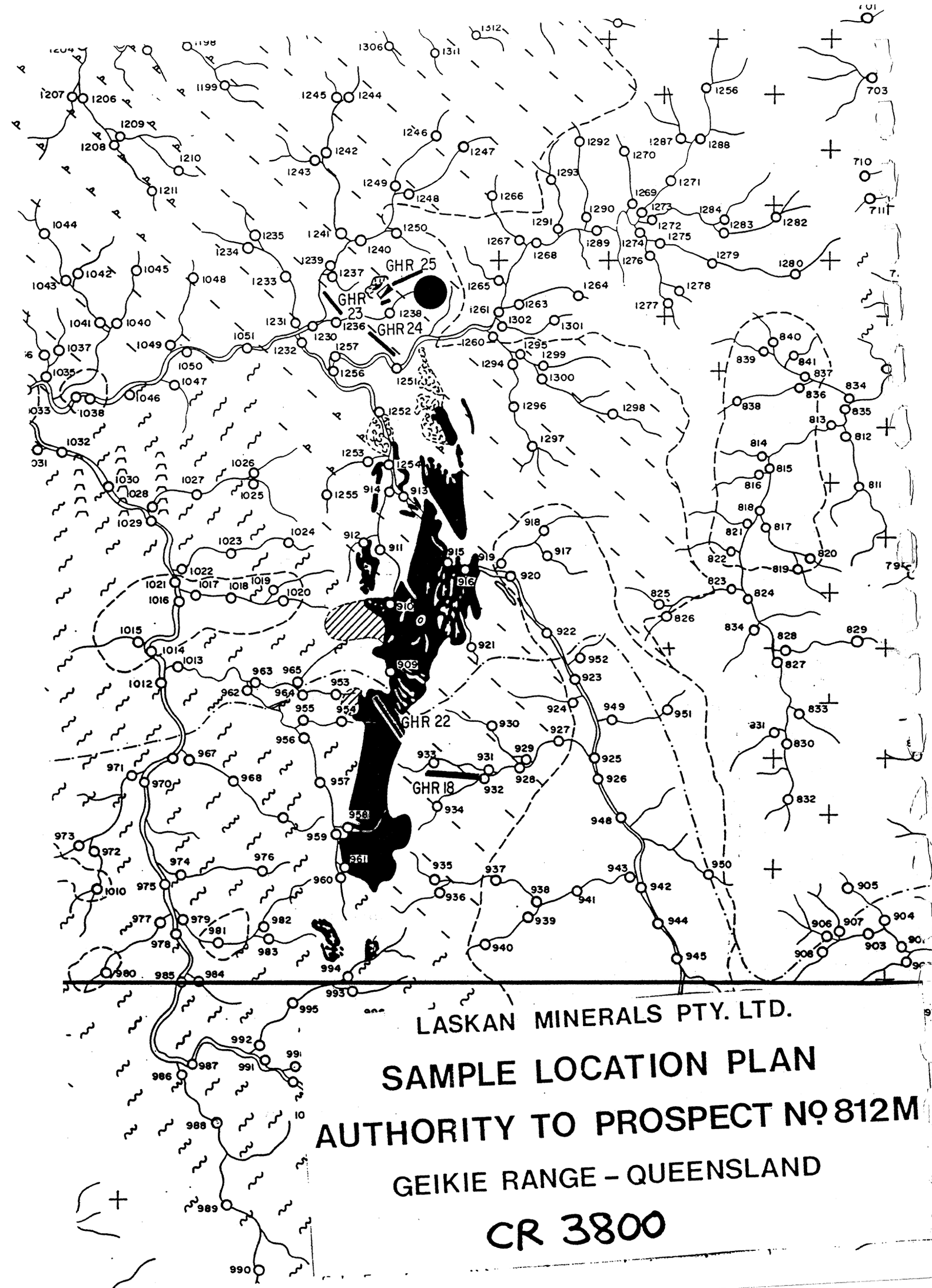
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



LASKAN MINERALS PTY. LTD.

SAMPLE LOCATION PLAN

AUTHORITY TO PROSPECT Nº 812M

GEIKIE RANGE – QUEENSLAND

CR 3800

DATA SHEET 111

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
- MINERAL OCCURRENCE DATA SHEET

NAME(S).....: GHR25 REFERENCE NUMBER: 048038

COMMODITIES ....: LEAD,SILVER,GOLD?
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 09/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 704800 mE, 8503800 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: ROKEBY 7470
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RANGE
LOCALITY.....: W Peninsula Rd./ 4.8 km SW of Point 216
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: LASKAN MINERALS LTD(1972) @ 1.0%Pb,LASKAN MINERALS LTD(1972) @31.0gAg,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo], Q-lodes;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE
HOST ROCK TYPE: Porphyry biotite adamellite.
HOST ROCK AGE : Late Silurian - Early Devonian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

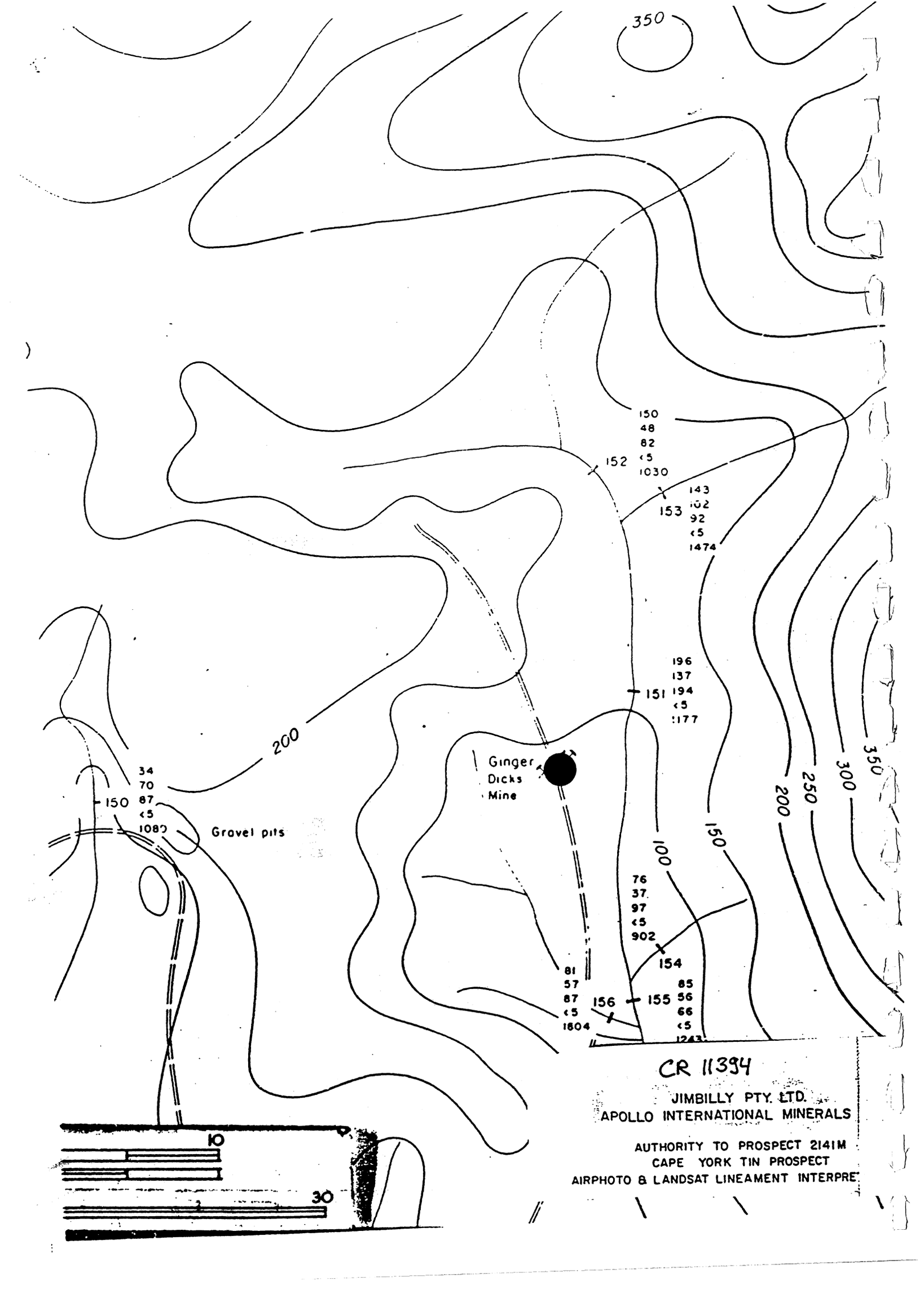
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineral bearing Q-reefs and veins.

REMARKS....: #MN Pb and Ag min. is, in all cases, associated with slightly ferruginous, white to bluish Q-veins of limited extent and width in porphyritic biotite adamellite. Max strike length of the min. veins rarely exceeds 92m (300 ft) and the average width would be about 60-75 cm. #PR Average grades would be under 1% for Pb and under 31 gr for Ag (2,p.3). A rock sample from GHR 25 assayed 72 ppm Au (i.e. 43.2 dwts per long ton) (1).

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);



CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Ginger Dick (Page 1 of 2)

REFERENCE NUMBER: 598125A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 659800 mE, 8812500 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 3.5km SE PEAK HILL
LOCALITY.....: 1.2km SW of Point 157

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrites (partly altered); welded tuffs.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: JOINTS; Strike 060deg/Unknown dip. JOINTS; Strike 140deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : CST, (PY),(CPY),(ASPY).
SECONDARY MINERALS: LIM, JAR.
GANGUE .....: Q,(TOU),(FL).

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Vein mineralisation.

REMARKS....: #MNKnowm primary min. of potential economic interest is restricted to tin as CST. During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). #CMTin min. is assoc. with Q-veining, silicified joints and fractures and locally encrusts joints and fractures. Tin is fine grained (<1mm). Tin occurrances are confined to the rhyodacite units, which are highly sericitised, with or without clay alteration and occupy jointing and fractures parallel or complementary to the major regional structural lineaments. Joint plans commonly horizontal. Means of introduction of tin min. uncertain. #GMSuggestion: Badu Granite may have intruded the acid volcanic pile, causing varying degrees of alteration and introd. Q, sulphides and CST (3

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

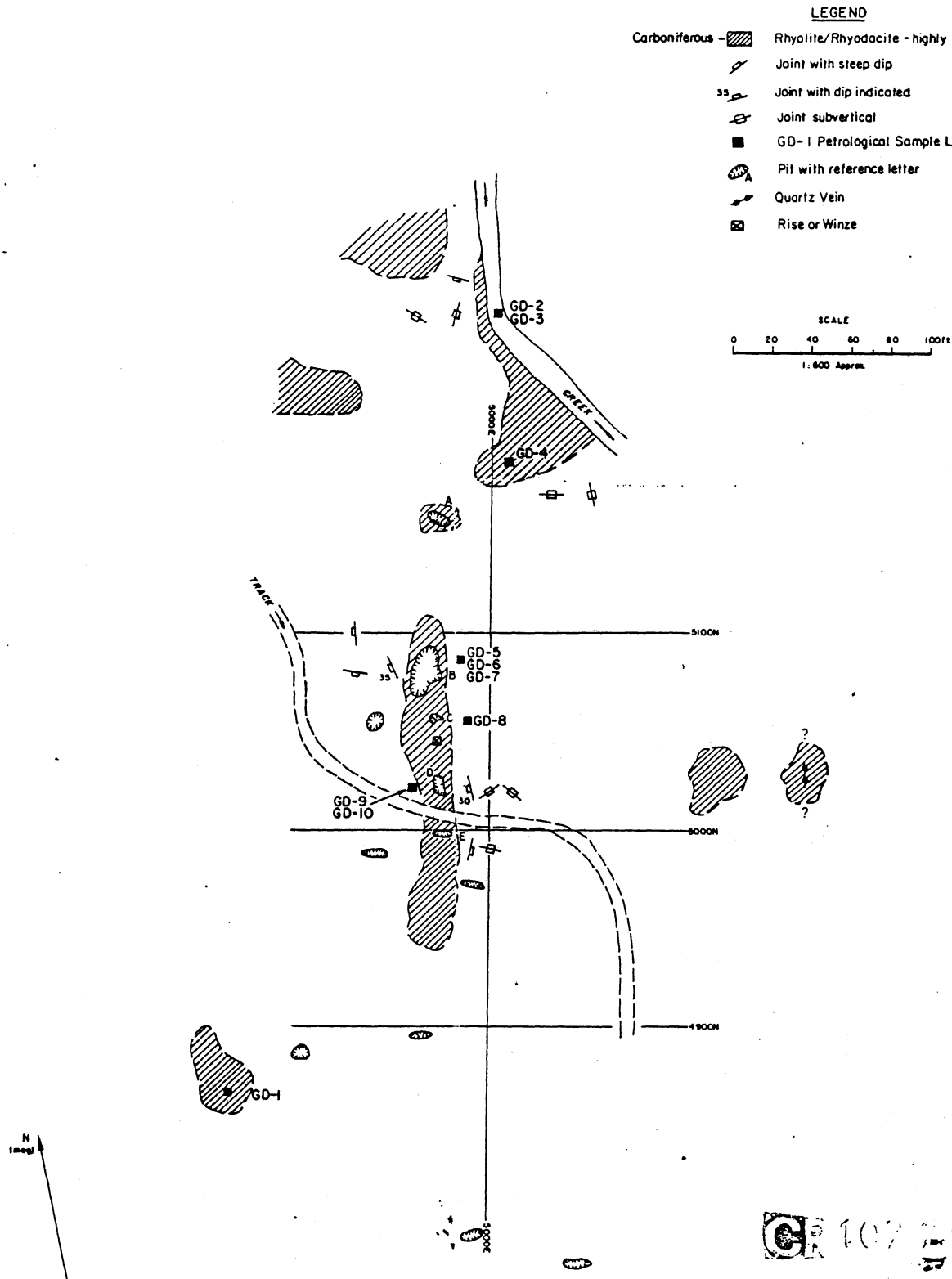


FIG 5

JIMBILLY PTY. LTD. &
APOLLO INTERNATIONAL MINERALS NL

A TO P 2141M, QUEENSLAND

GINGER DICKS PROSPECT

COMPILED	DRAWN	SCALE
R. J. FORREST & CO.	B. A. W.	1 Inch = 60 Feet Approx.

NAME(S).....: Ginger Dick (Page 2 of 2)

REFERENCE NUMBER:598125B

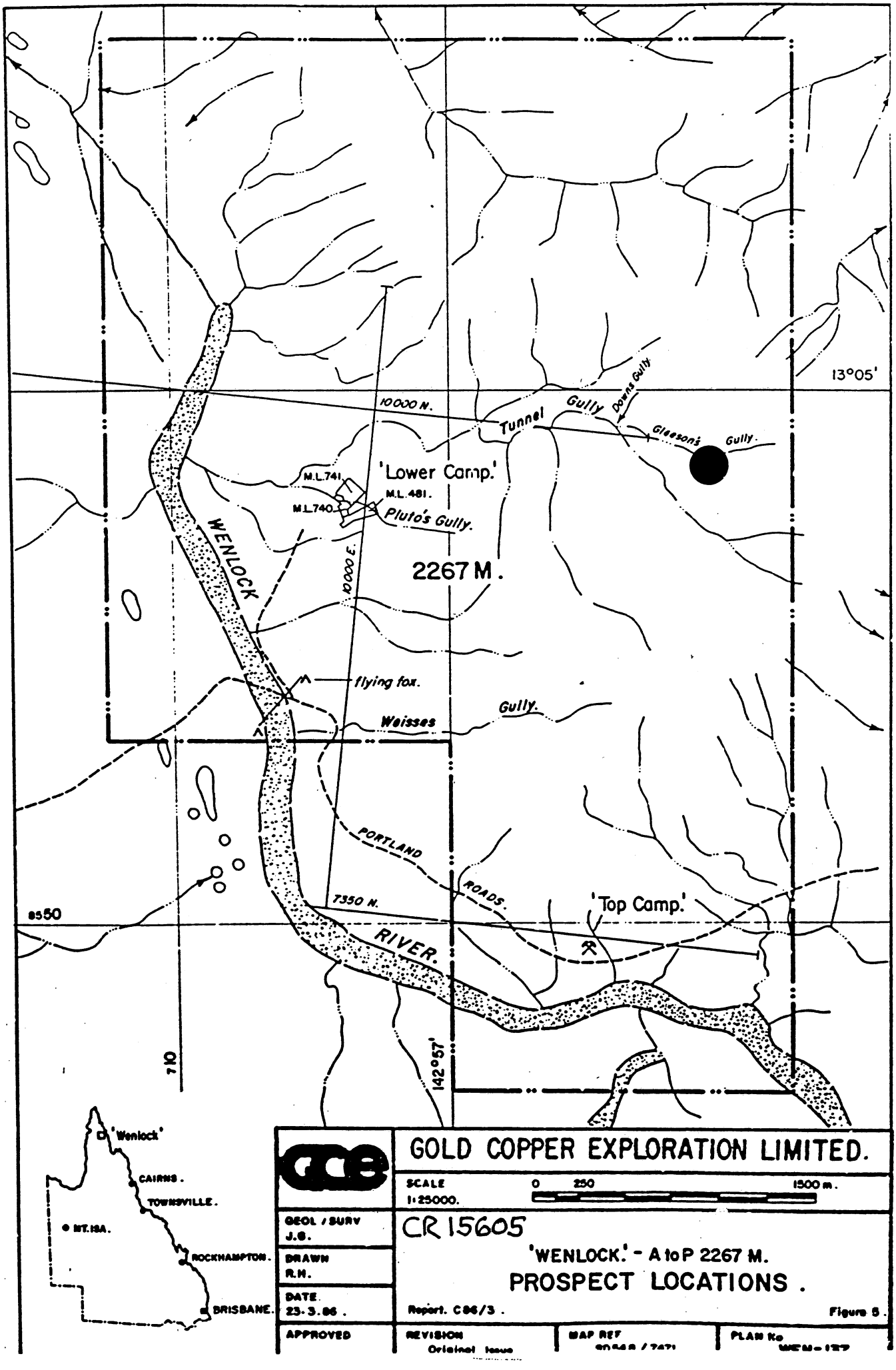
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#ALSericite and Q-alteration are common to high and low tin geochemistry and are associated with any of chloritisation, topazisation, Q-veining and brecciation and minor JAR and/or LIM after sulphides. Less common products of alteration are EPD, CHL, Argillite and TPZ. Rocks here show very strong SER and Q-alteration with minor sulphides and occ. CHL alt. Recorded elevated levels of Cu,Zn, W and additionally Pb! (2). #M1Elluvial tin present down slope from Mullhollands Lode (6). #ALAlteration degrees: Fresh rhyolite-clay/SER-high SER-mod.SER-greisen alt.-Q-TPZ rock. (3,p.5). 2 Q-veins in the area: One vein (assoc with min.) in 2 pits: (45 cm thick; dips W 35); other vein (30 cm thick; dip W 30)(3).

REFERENCES CONTINUED.:



GOLD COPPER EXPLORATION LIMITED.

SCALE 1:25000. 0 250 1500 m.

GEOL / SURV J.G.

DRAWN R.H.

DATE 23-3-86.

CR 15605

'WENLOCK.' - A to P 2267 M.

PROSPECT LOCATIONS.

Report. C86/3.

Figure 5.

APPROVED

REVISION Original Issue

MAP REF

PLAN No

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Gleeson's Gully (Page 1 of 2) **REFERENCE NUMBER:124525A**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 03/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 712450 mE, 8552500 mN.
AMG SOURCE/ACCURACY: CR 15605/ Fig.5 Prospect locations/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: NE WENLOCK RIVER
LOCALITY.....: 3.0km NNW of old landing groun d/ 2.0km E point 113
LOCALITY ACC.: CR 15605/Fig.5/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPER EXPLORATION INC.; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0, placer; FREEPORT AUSTRALIA MINERALS LTD; AP 2859M; 1986; ABEbihef, 3, [Au], placer;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: Quartztose sandstone/ conglomerate
HOST ROCK AGE : Late Jurassic - Early Cretaceous
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium-Coarse

ORE GENESIS: Nugget gold in the basal 1m of conglomerate (placer).

REMARKS....: #GMSource of Au is local in the nearings of a rich Au bearing reef in the surroundings. A large proportion of deep lead Au recovered by the recent workings was located immediately down the paleo drainage from the main leader reef. Au occurs in basal units of GRF, close to the unconformity with the older basement (1;p.16). #MSHost rocks: coarse sands, sandy congl. and congl. with grades getting better in the later. #GMDepositional environment: contin. fluviatil. Au-bearing wash confined to "gutters". A continuous cover of Au-wash may extend over a consideralbe area of bedrock surface to N+W of the "Main gutters" (0.5 to 2 m thick and low av. Au-values (5)). #ALAllv. Au mostly f-grained, but coarse and angular in some streaks. Nuggets to 155.5 gr (5 oz).

REFERENCES.: GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693); Connah, T.H.(1951);Shepherd, S.R. Leonhard(1941);

NAME(S).....: Gleeson's Gully (Page 2 of 2)

REFERENCE NUMBER:124525B

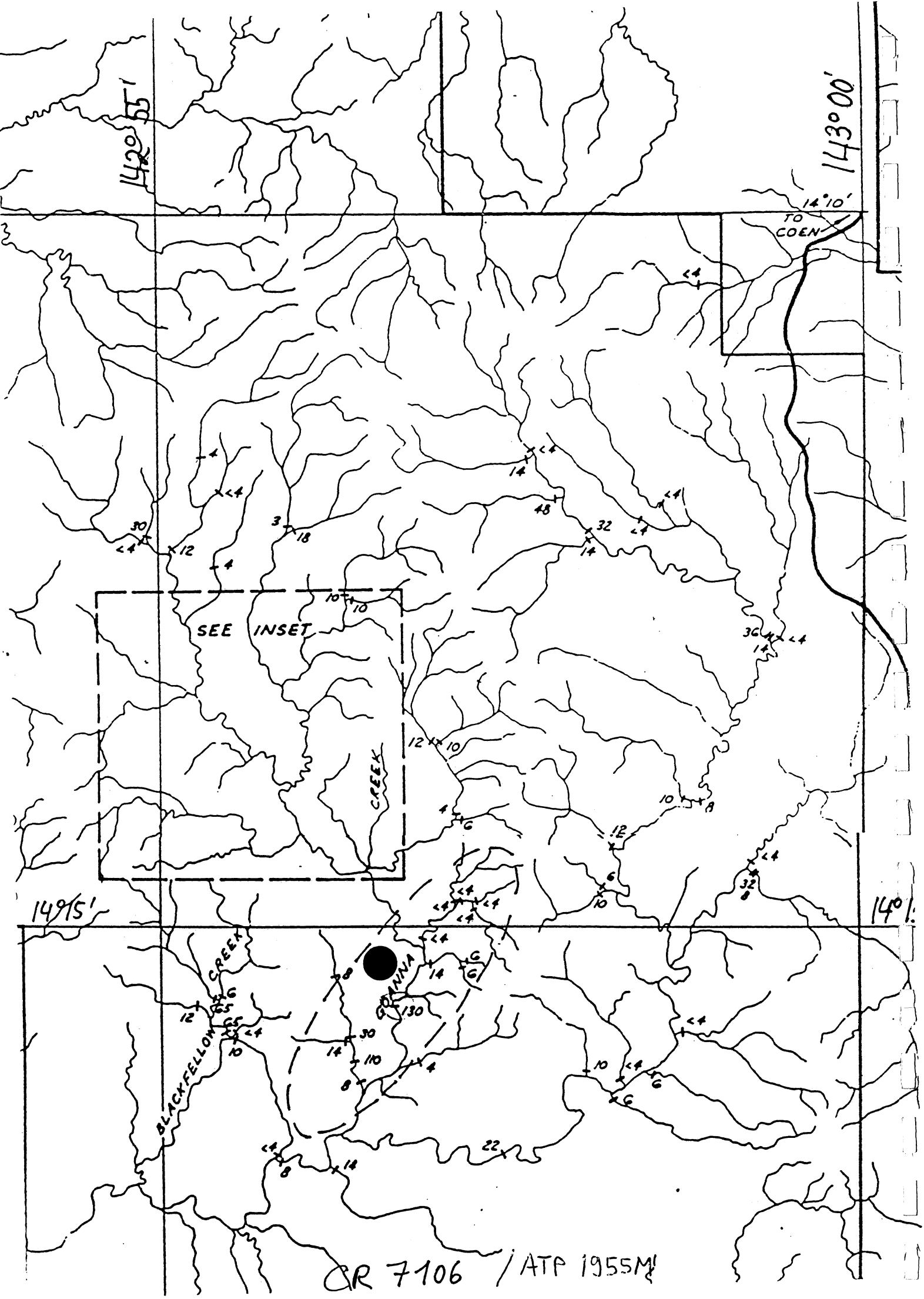
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMEluvial: Au can occur in decomposed granitic material to a depth of 1.5 m. Generally in the Wenlock area, Au is being shed from palaeochannels at the basement/Mesozoic sediment unconformity, and deposited in downslope eluvium (3, p.8).

REFERENCES CONTINUED.:


142° 55'
143° 00'
14° 10'
TO COEN
SEE INSET
CREEK
BLACKFELLOW CREEK
GANNIA
149° 15'
140
CR 7106 / ATP 1955M

DATA SHEET 116

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Goanna Creek

REFERENCE NUMBER:100238

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 21/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 710000 mE, 8423800 mN.
AMG SOURCE/ACCURACY: CR 7106/ 100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: STRATHBURN 7469
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: N Holroyd River
LOCALITY.....: 29km NNE of Strathburn community
LOCALITY ACC.: CR 7106/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 1955M; 1978; BCaclq,3[Ag,Co,Cr,Cu,Mn,Ni,Pb,Sn,Th,U,W,Zn], alluvial and vein deposit;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: HOLROYD METAMORPHICS
HOST ROCK TYPE: Metasediments with pegmatites.
HOST ROCK AGE : Precambrian

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 10.0m max.wide .

FORM/TYPE .....: Veins, Placer, Residual.
STRUCTURAL AFFILIATIONS..... : Contemporaneous.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST
SECONDARY MINERALS:
GANGUE .....: Q

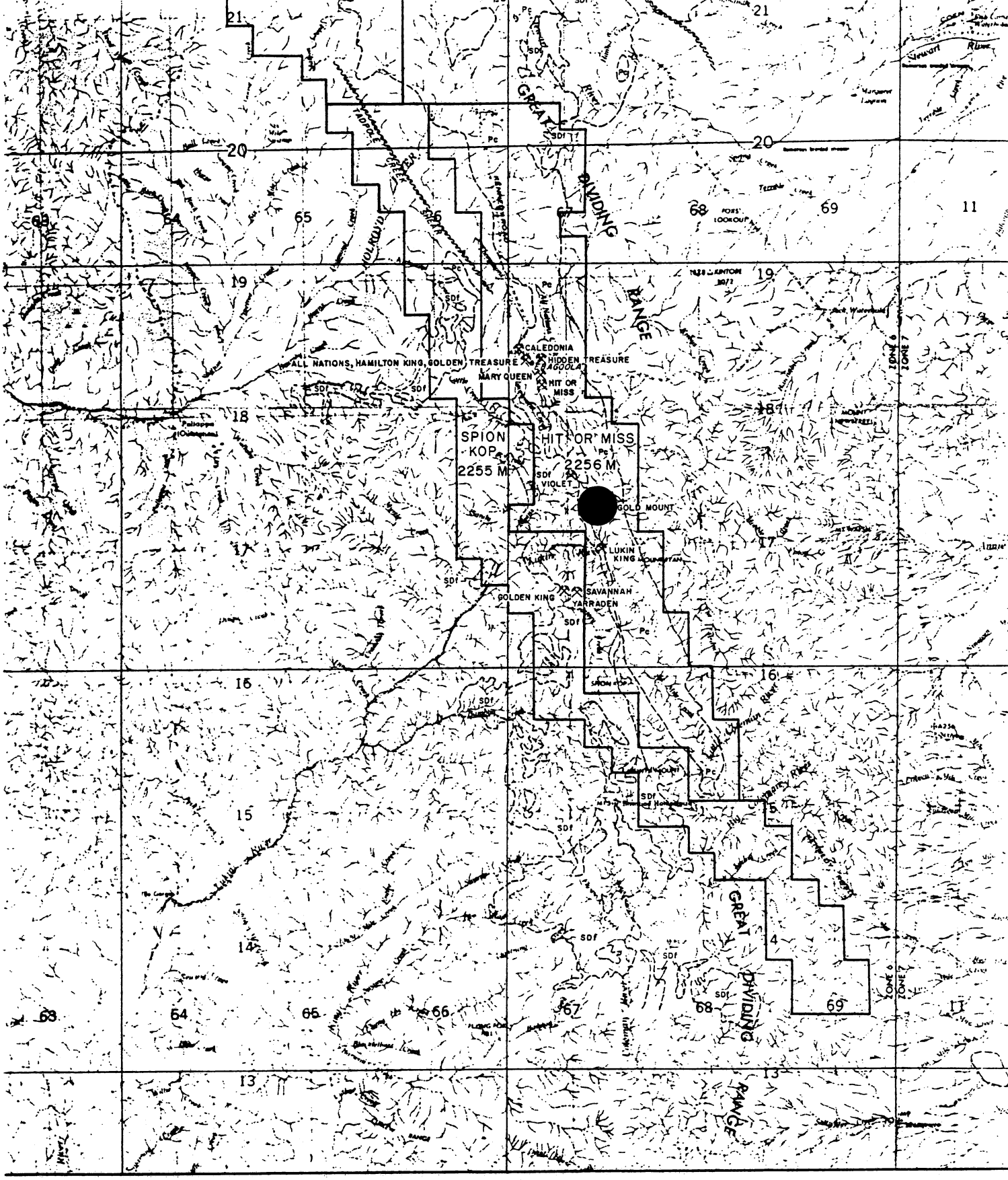
ORE TEXTURES....:

ORE GRAIN SIZE..: Medium-Coarse

ORE GENESIS: Alluvial deposits and pegmatite (Q-)veins.

REMARKS....: #MN Coarse CST in thin pegmatite margins to a few Q-veins intruding metasediments of HOLROYD METAMORPHICS. #M1A zone of elavated tin values (22-130 ppm) occupies central northern portion of AP 1955M. Surrounding stream gen. less than 10 ppm. #MN grains mostly in access of 0.5 mm and often exhibit crystal faces. #CMBest concentrations (alluvial) found downstream of and close to concordant Q-veining in the sedisediments. (Goanna Creek showed largest vein systems). Q-veins consist of massive white Q with minor ferruginous staining. Widths variable up to 10m.

REFERENCES.: CRA EXPLORATION PTY LTD(1978, QDRI unpublished company report CR 7106);



CR 8122

CRA EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT TADPOLE CREEK 2252M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M. LOCALITY MAP.		
Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist. A.D.B.	Scale. 1:250 000	Drawn. J.W.
Report No. 10163	Date. August, 1980	Plan No. Qm. 1358

DATA SHEET 117

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Gold Mount **REFERENCE NUMBER:495064**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749500 mE, 8406400 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing R./N Lukin River
LOCALITY.....: N Lukin River/ 4.0km NNW of Mo unt Ryan
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 781t ,
TOTAL PRODUCTION (METAL):3.0kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2257M; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252M/2255M/2256M; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min.
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 330deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

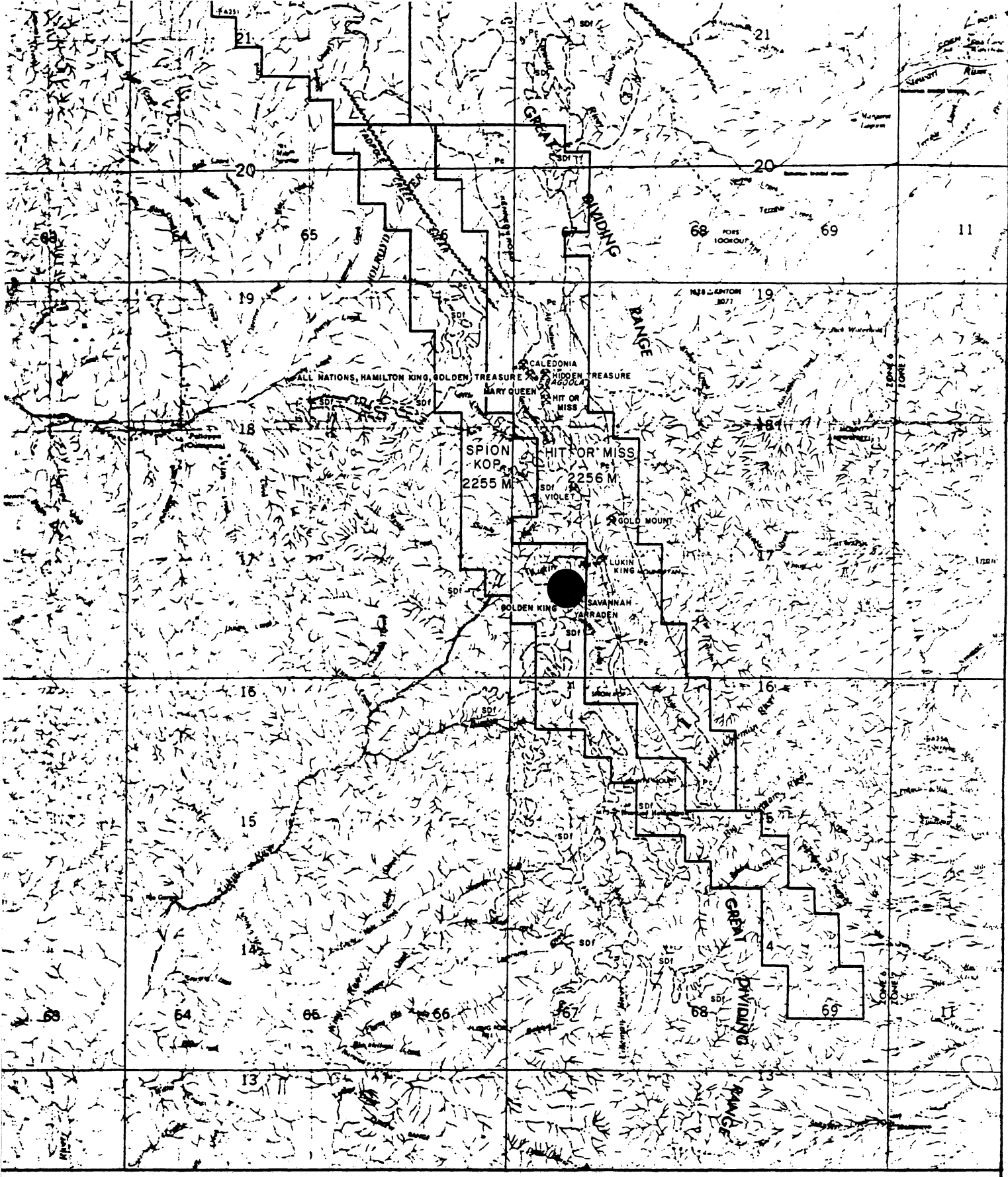
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2).

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS (SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the old workings and is traceable for 7 kms. #M1Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2).

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);



CR 8122

CRA EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT TADPOLE CREEK 2252M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M. LOCALITY MAP.		
Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist. A.D.B.	Scale. 1:250 000	Drawn. J.W.
Report No. 10163	Date. August, 1980	Plan No. Qm. 1358

DATA SHEET 118

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Golden King North (Page 1 of 2) REFERENCE NUMBER:470014A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747000 mE, 8401400 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: S. Lukin River/ 4.5km WSW of Mount Ryan
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 7699t ,
TOTAL PRODUCTION (METAL):239.8kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2257M; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252M/2255M/2256M; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min. CRA EXPLORATION PTY LTD; AP 2016M;1979; ABFIJNOcej,4[As,Au,Pb,Cu,Mn
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 70.0m max.wide . OREBODY; Strike 000deg/60deg dip to 270deg. OREBODY; Strike 000 deg/80deg dip to 090deg.
FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

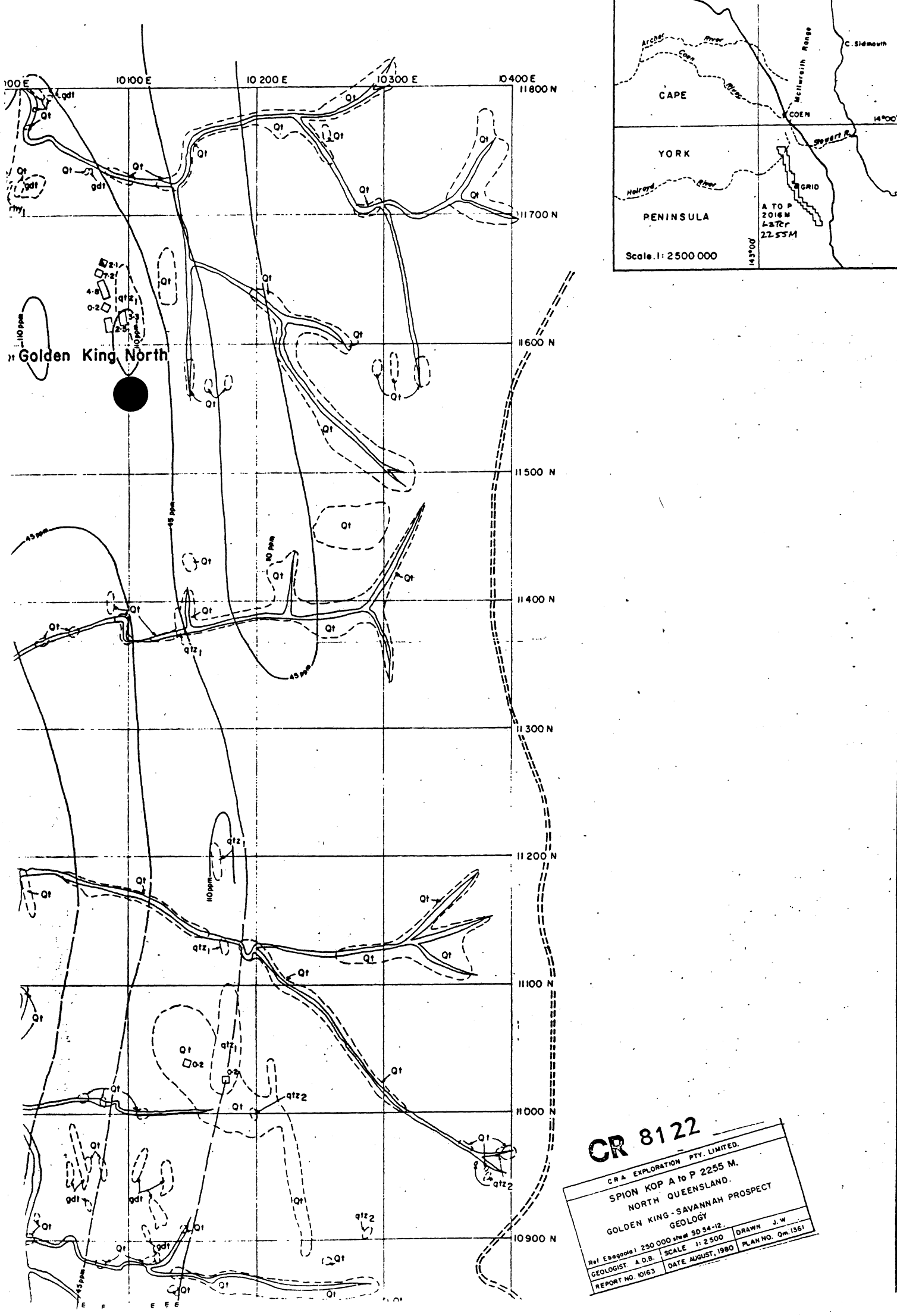
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2). Au-min. and PY and traces of ASPY are assoc. with white Q, foliated coarse grained FS-Q rock, and breccia containing fragments of

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS (SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #MIInitial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DDGOLDEN KING: Excellent marker horizon crops out 50m W.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 7887); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7666);



CR 8122

CRA EXPLORATION PTY. LIMITED.

SPION KOP A to P 2255 M.

NORTH QUEENSLAND.

GOLDEN KING - SAVANNAH PROSPECT

GEOLOGY

Ref Ebagoola 1 250 000 sheet SD 54-12		DRAWN	J. W
GEOLOGIST A.D.B.	SCALE 1: 2 500	PLAN NO. Gm. 1361	
REPORT NO. 10163	DATE AUGUST, 1980		

NAME(S).....: Golden King North (Page 2 of 2) REFERENCE NUMBER:470014B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
the granitoid unit cemented by white Q., iron oxides and CHL.

REMARKS CONTINUED.:
#MSThe marker Horizon consists of a sequence of rhyolithe, chert and cyrstal tuff (strike and thickness variable; (In N close to known workings; in S 275m W of known workings). Rhyolithe/chert horizons vary in composition. Banding could be bedding of chemical sediment or flow banding of rhyolite or bedding of a fine grained crystal tuff. "C"horizon geochemistry indicate gen. lower levels of Cu,Pb,Zn. No obvious assoc. of base metalls with known Au-min.(1). Au-values range 0.1 to 25.4 ppm (av.: 1.86 ppm) and Ag-values range 0 to 49 ppm (av.:4.12 ppm)(4).

REFERENCES CONTINUED.:

CR 8122

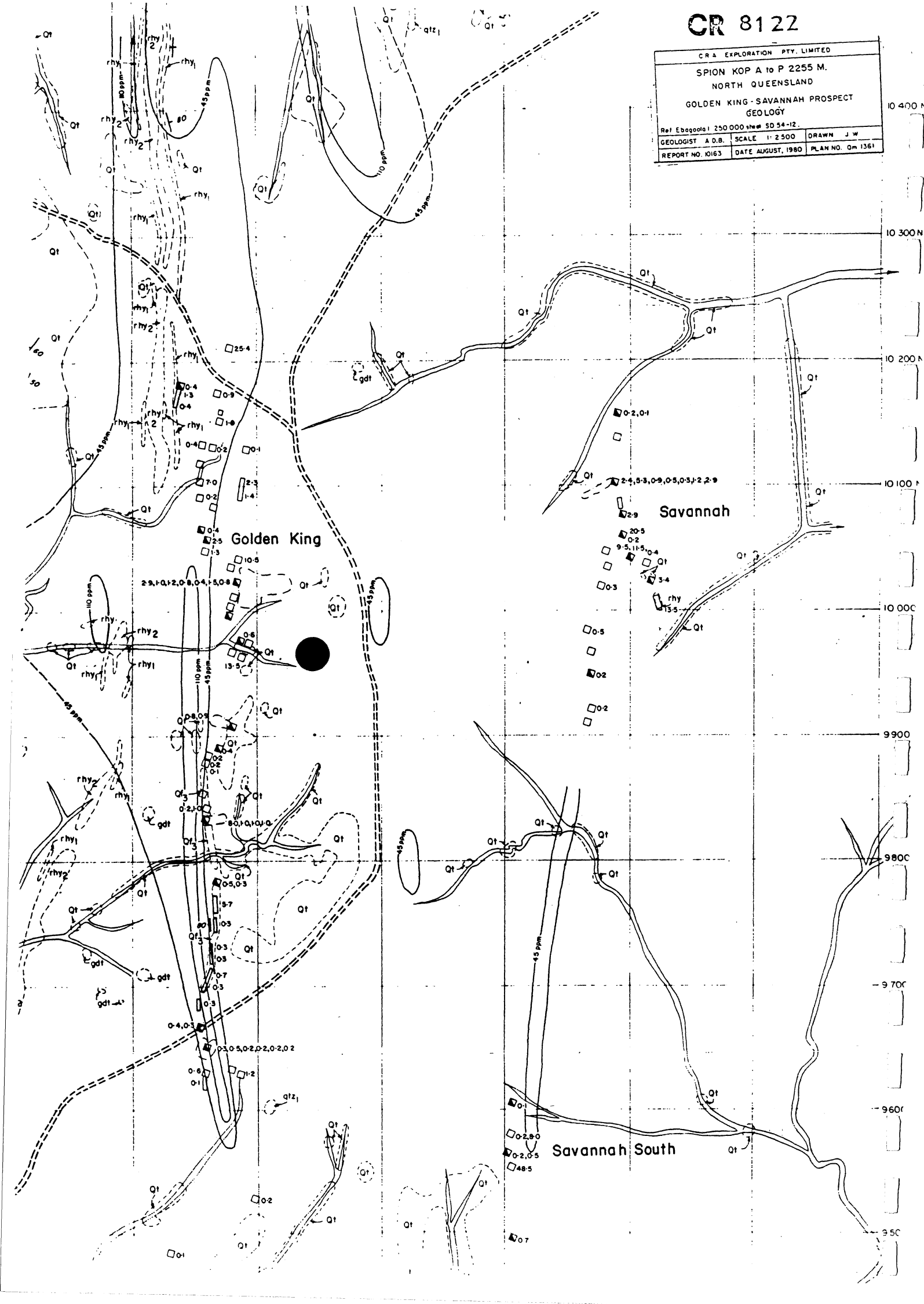
CRA EXPLORATION PTY. LIMITED

SPION KOP A to P 2255 M.
NORTH QUEENSLAND

GOLDEN KING - SAVANNAH PROSPECT
GEOLOGY

Ref Ebagoola 1 250 000 sheet SD 54-12.

GEOLOGIST A.D.B.	SCALE 1: 2 500	DRAWN J.W.
REPORT NO. 10163	DATE AUGUST, 1980	PLAN NO. Qm 1361



DATA SHEET 120

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Golden King South 1&2 (Page 1 of 2) REFERENCE NUMBER:468008A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 746800 mE, 8400800 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: S. Lukin River/ 4.5km WSW of Mount Ryan
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 7699t ,
TOTAL PRODUCTION (METAL):239.8kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2257M; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252M/2255M/2256M; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min.
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 70.0m max.wide . OREBODY; Strike 000deg/60deg dip to 270deg. OREBODY; Strike 000 deg/80deg dip to 090deg.
FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

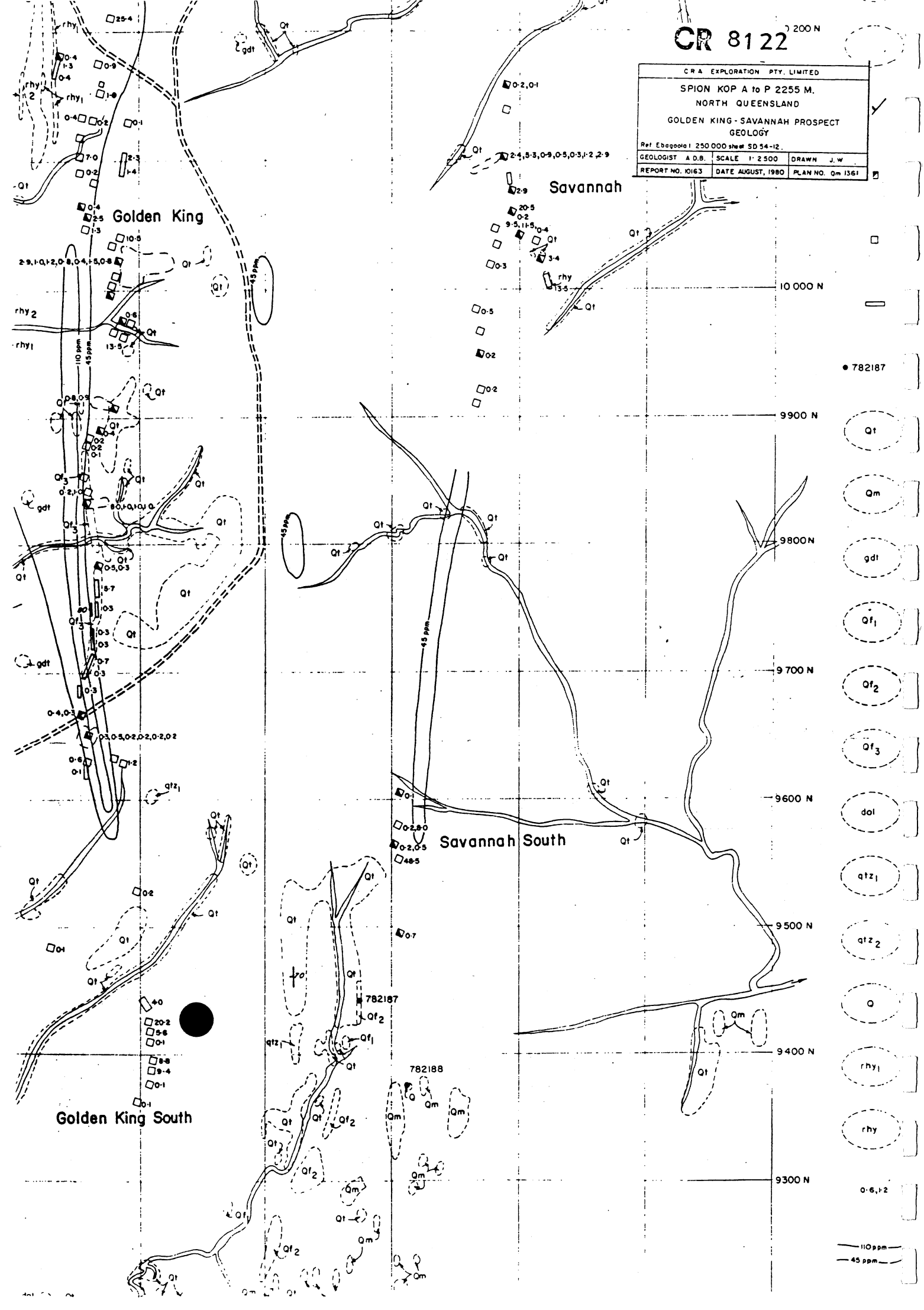
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:** Fine-Medium-Coarse

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2). Au-min. and PY and traces of ASPY are assoc. with white Q, foliated coarse grained FS-Q rock, and breccia containing fragments of

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS-(SER)-Q-BOIT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #M1Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DDGOLDEN KING: Excellent marker horizon crops out 50m W.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 7887); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7666);


CR 8122
CRA EXPLORATION PTY. LIMITED
SPION KOP A to P 2255 M.
NORTH QUEENSLAND
GOLDEN KING - SAVANNAH PROSPECT
GEOLOGY
Ref Ebagoola 1 250 000 sheet SD 54-12.
GEOLOGIST A.D.B. | SCALE 1:2 500 | DRAWN J.W.
REPORT NO. 10163 | DATE AUGUST, 1980 | PLAN NO. Qm 1361
Golden King
Savannah
Savannah South
Golden King South
10 200 N
10 000 N
9900 N
9800 N
9700 N
9600 N
9500 N
9400 N
9300 N
782187
782188
45 ppm
110 ppm
Qt
Qm
gdt
Qf1
Qf2
Qf3
dol
qtz1
qtz2
Q
rhy1
rhy
0·6, 1·2
110ppm
45 ppm

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

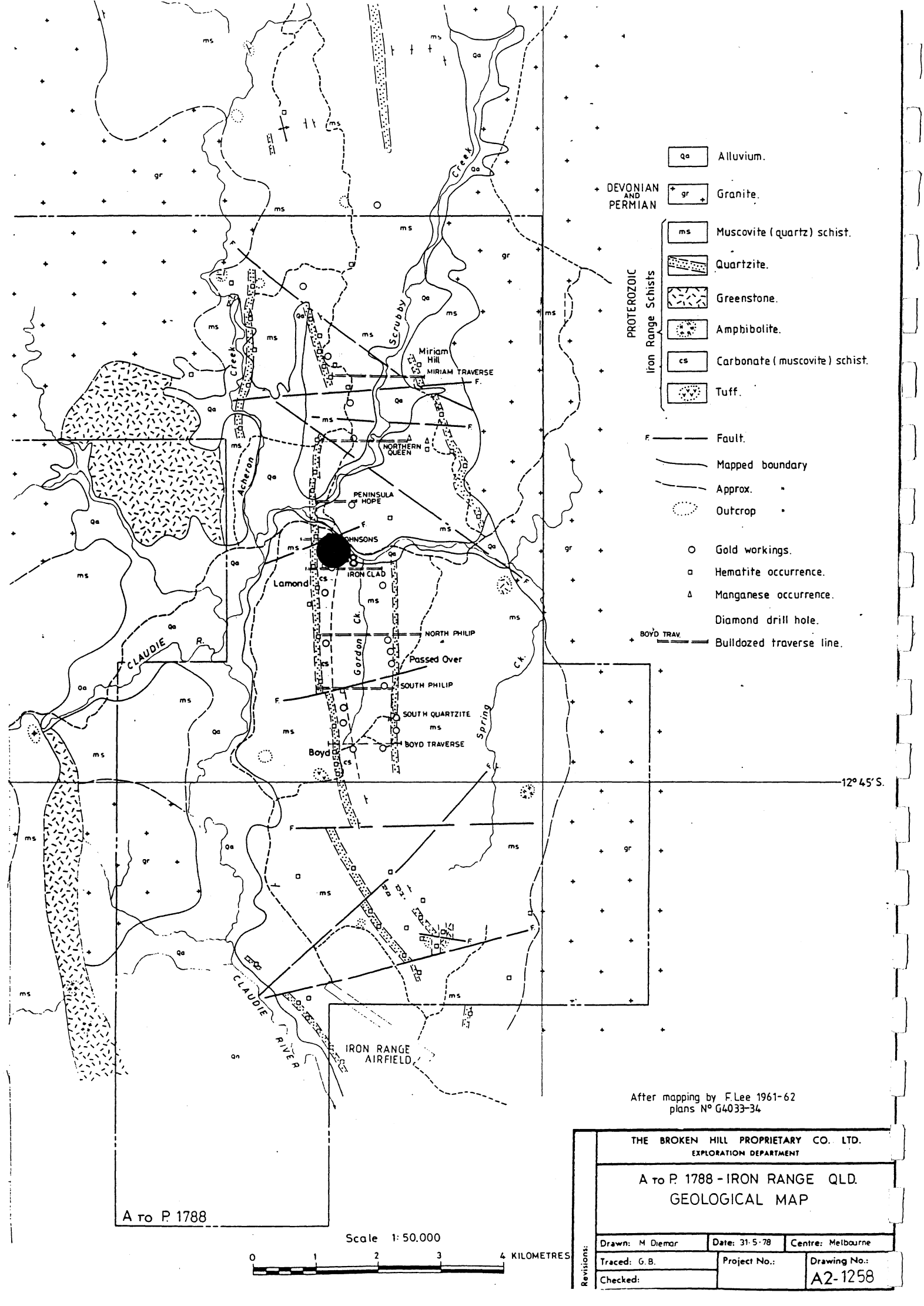
NAME(S).....: Golden King South 1&2 (Page 2 of 2) REFERENCE NUMBER:468008B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
the granitoid unit cemented by white Q., iron oxides and CHL.

REMARKS CONTINUED.:
#MSThe marker Horizon consists of a sequence of rhyolithe, chert and cyrstal tuff (strike and thickness variable; (In N close to known workings; in S 275m W of known workings). Rhyolithe/chert horizons vary in composition. Banding could be bedding of chemical sediment or flow banding of rhyolite or bedding of a fine grained crystal tuff. "C"horizon geochemistry indicate gen. lower levels of Cu,Pb,Zn. No obvious assoc. of base metalls with known Au-min. (1).Au-values range 0.1 to 25.4 ppm (av.: 1.86 ppm) and Ag-values range 0 to 49 ppm (av.:4.12 ppm)(4).

REFERENCES CONTINUED.:



After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 122

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Gordons

REFERENCE NUMBER:498931

COMMODITIES ....: GOLD,SILVER
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Pit(s), 3 Adit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749850 mE, 8593150 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.1km NE of Lammond Hill (No.8 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....: G.M.L. 95; ML 643

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1935-1938
TOTAL PRODUCTION (ORE) : 2567t ,
TOTAL PRODUCTION (METAL):5.4 kg Au, (CRA EXPLORATION PTY LTD,1974).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.; ENERGEX PTY; AP 2426M; 1981; BCFEIabdefgqu, 0, BIF; CRA EXPLORATION PTY LTD; AP 1295M; 1974;-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite (chlorit) schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 8000.0m max.long x 2000.0m max.wide . OREBODY-BEDDING; Strike 000deg/70deg dip to 090deg. FOLIATION; Strike 165deg/80deg dip to 075deg.
FORM/TYPE .....: Stratabound, Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Fold hinge, Fold limb.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU),LIM.
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB).

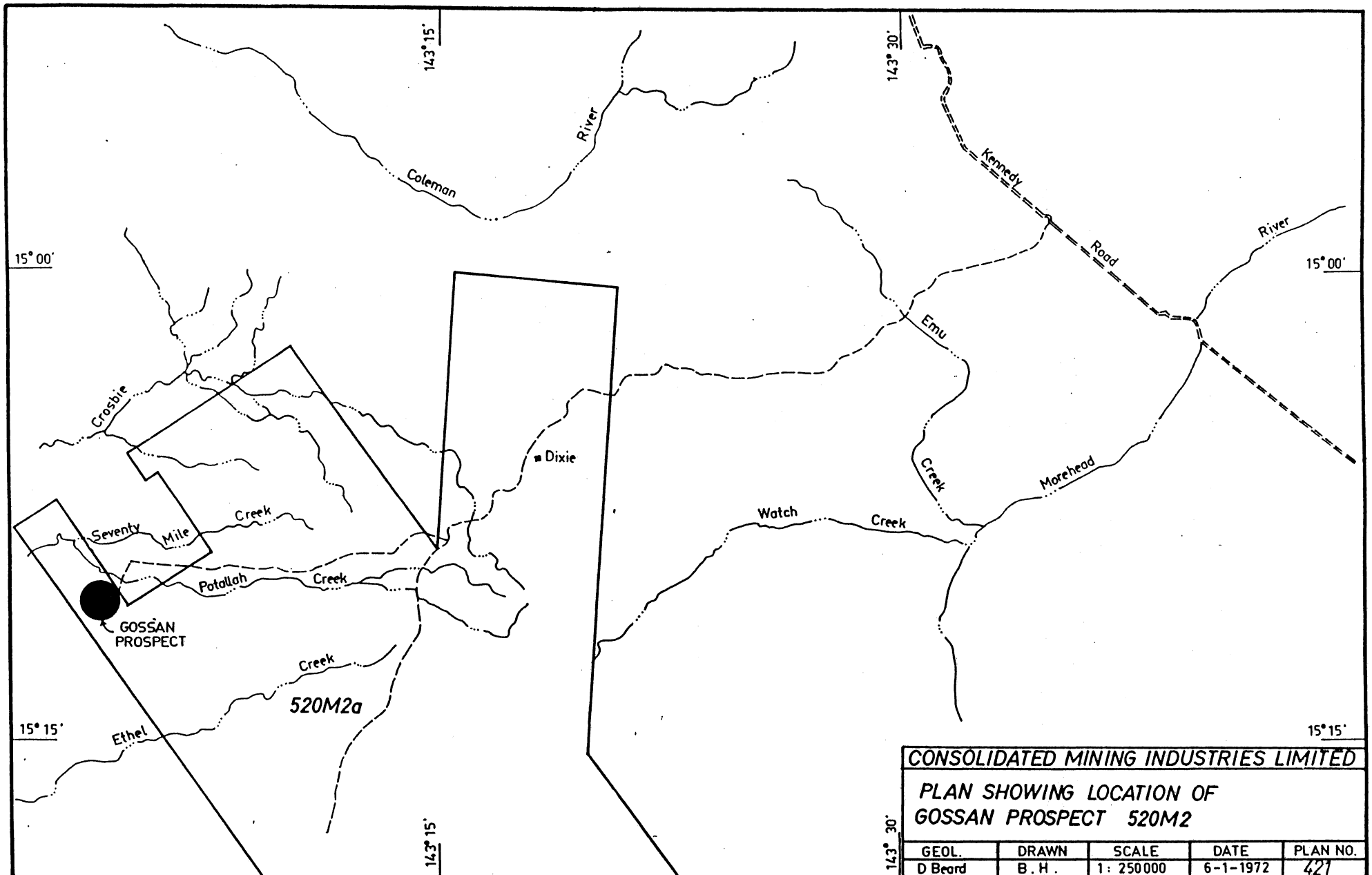
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #DDAu-min. occurs E of the main HEM formation through Lammond Hill. Occurrences extend over a N-S belt 8 km long and 1-2 km wide. #MNIn MUS-CHL schists, partly replaced by HEM. #MSTwo types of lodes: - Free gold in Q-veins (Gordons Reef) with small amounts of PY. -Gold in conformable siliceous limonite formations (Johnson's Lode). LIM ist derived from the decomposition of PY and ASPY. Highest grade ore & larger production: out of Q-vein type. #CMTransverse faulting controls the localisation of the main ore shoot. Every workable lode was associated with faulting (from NAAGS report No.12 pp8) (5,p.16).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);
CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 4213);ENERGEX PTY LTD(1981, QDRI unpublished company report CR 10822); CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);



CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN SHOWING LOCATION OF
GOSSAN PROSPECT 520M2

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D Beard	B. H.	1: 250000	6-1-1972	427

C.R. 3961.

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Gossan (Page 1 of 2)

REFERENCE NUMBER:234205A

COMMODITIES ....: GOLD,ZINC,LEAD
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 28/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 723400 mE, 8320500 mN.
AMG SOURCE/ACCURACY: CR 3961/CR geol. survey plans/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Coleman River
LOCALITY.....: 26km WSW of New Dixie Station/ 2km SE of Pott.Ck & 70 Mile C
LOCALITY ACC.: CR 3961/CR geol. survey plans/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 520M; 1971; ABGIKJabcdefhil,5[Cu,Ni,b,Sn,W,Zn] disseminated ore reef;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 360.0m av.long x 3.0m max.wide . OREBODY; Strike 090deg/40deg dip to 180deg. ORE BODY; Strike 090deg/60deg dip to 180deg.
FORM/TYPE .....: Breccia-fill, Irregular, Disseminated.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear, Contemporaneous.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : PY,ASPY,CPY,GAL,SPL.
SECONDARY MINERALS:
GANGUE .....: Q,TC

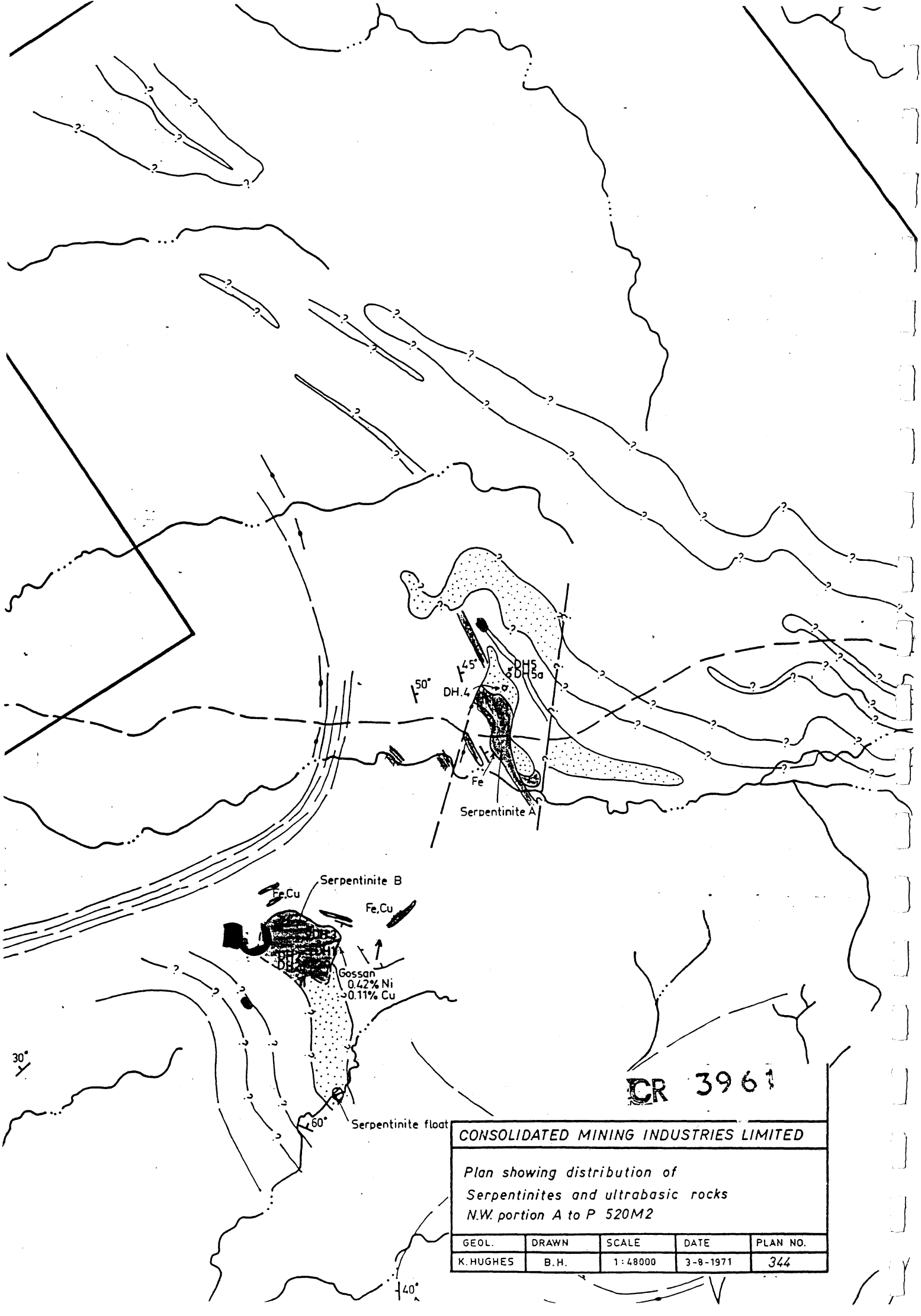
ORE TEXTURES....: Breccia-fill, Disseminated.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Hydrothermal ore deposit with a fault control occurring in the metamorphosed contact zone of an intrusive granite. Talc schists occur on the footwall.

REMARKS....: #CMMineralisation assoc. with a NW-SE trending shear zone (dip 50W). On the surface the min. lode consists of highly altered, brecciated, backed and partly gossanous rock, traceable up to 360m (strike length) with varying thickness (1-3m). #GMIn der gridarea (auger drilled) high Zn and Ni(400ppm)-values found, which indicate ultrabasic source. #CMMin. zone narrows at depth, due to shallowing of dip. Grade decrease at depth. No sufficient tonnage potential. Along strike min. patchy and discontinuous. #M1Av. values in 3 Drillholes:DDHG1/DDHG2/DDHG3: Cu 0.37-0.46%; Pb 1.68-11.51%; Zn 2.13-6.36%; Ag 19.7-94ppm; Au 0.2-0.6ppm. #DD Prospect located approx. 4.8km SE from the old Pottalah Creek Mine. #CMFaulting and minor scattered Q assoc. with min..

REFERENCES.: CONSOLIDATED MINING IND LTD(1972, QDRI unpublished company report CR 4400);CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 3961);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3507);



CR 3961

CONSOLIDATED MINING INDUSTRIES LIMITED				
Plan showing distribution of Serpentinites and ultrabasic rocks N.W. portion A to P 520M2				
GEOL.	DRAWN	SCALE	DATE	PLAN NO.
K. HUGHES	B.H.	1:48000	3-8-1971	344

NAME(S).....: Gossan (Page 2 of 2)

REFERENCE NUMBER:234205B

MINERAL EXPLORATION CONTINUED.:

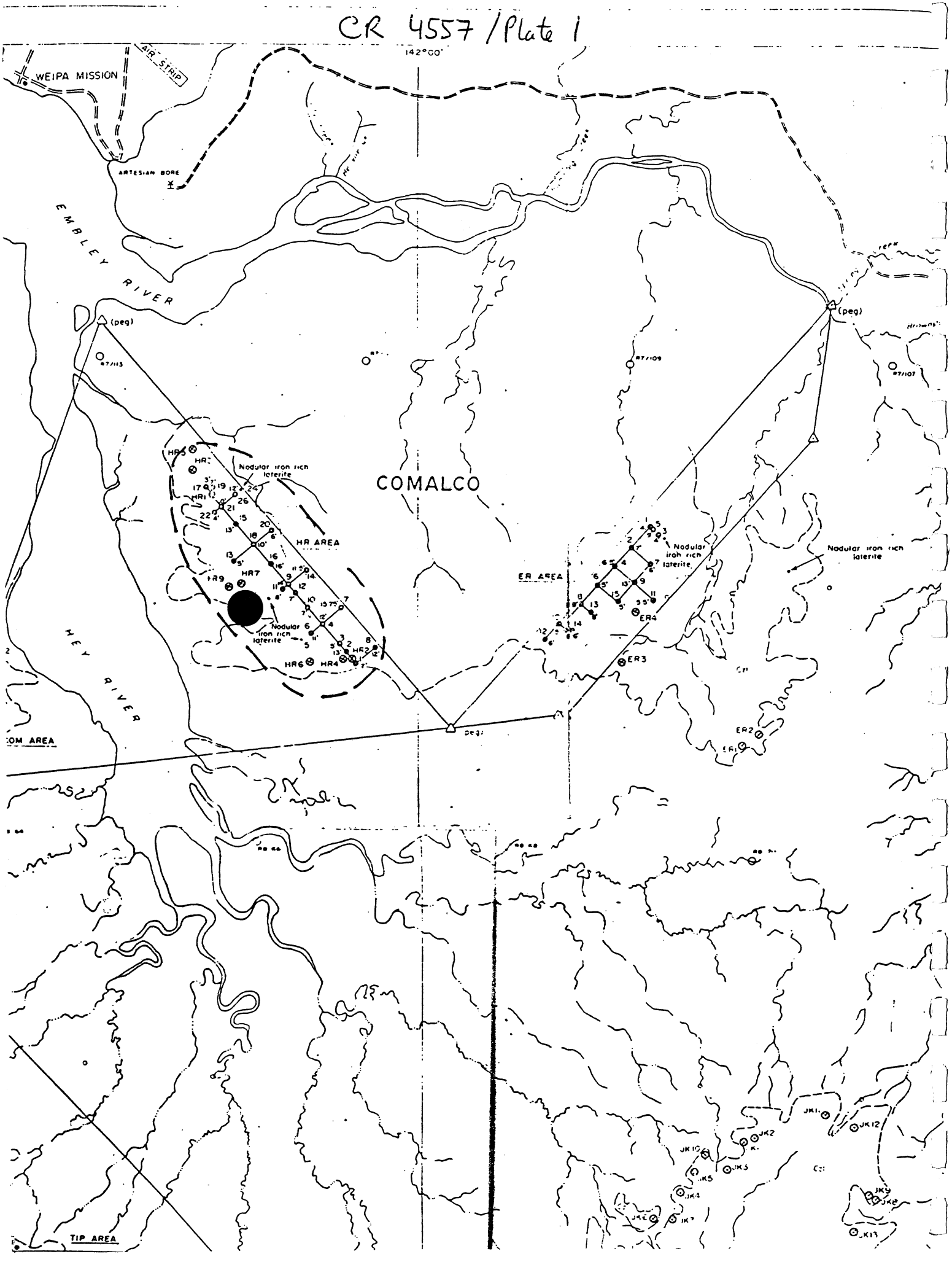
ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#ALThe surface is ferruginised and partly laterised, particularly the min. zone. The increase in Zn-values fromsurface to sulphide is regarded as significant and indicative of extreme leaching of Zn from this formation in this environment. Some other nearby areas show similar Zn-values.

REFERENCES CONTINUED.:

CR 4557 / Plate 1



DATA SHEET 125

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: HR - Area

REFERENCE NUMBER:060830

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 15/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 606000 mE, 8583000 mN.
AMG SOURCE/ACCURACY: CR 4557/Plate 1/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: WEIPA 7272
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: South of Weipa
LOCALITY.....: 16km SSE of Weipa Airstrip

LOCALITY ACC.: CR 4557/Plate 1/ 100m

MINING TENURE.....: SBML-8

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Wolff, Kevin W.(1990)possible BX:14500000tWolff, Kevin W.(1990)ind. and benef.:7000000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRAL-PACIFIC MINING Co LTD; Ap 838M; 1970; CEcelq,3, weathered surface soil strata.

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 4.6m max.vert.depth..

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX
GANGUE .....:

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #DDAlcan Australia LTD holds Special Bauxite Lease No.8, situated NE of Comalco's Weipa minesite, ajoining SBML-1. #M1Approx. 5 square miles of pisolitic aluminous laterite have been located by detailed exploration drilling in AP 838M, representing 33.5 million tonnes of material. 19.1 million tonnes have grades >45%Al2O3,<15%SiO2. 1.9 million tonnes of this are within the current economic limit of >40%Al2O3,<8%SiO2. #M2In the HR-drilling area 24 holes(70m) estimated 21.6 million tonnes of ore. Average thickness of pisolitic horizon was 2.6m(max 4.6m). Only 14.5 million tonnes of economic (class 6) grade (only in two holes: HR 21 & HR 15). Benefication by wet sceening can achieve total tonnage of 7 million t from HR (>40%Al2O3,<8%SiO2).

REFERENCES.: Wolff, Kevin W.(1990);AUSTRAL-PACIFIC MINING Co LTD(1970, QDRI unpublished company report CR 4557);

DATA SHEET 126

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Haikai Mine — REFERENCE NUMBER:BB

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.:
AMG SOURCE/ACCURACY: CR 10609/ no acc.

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range/ Lukin River
LOCALITY.....: not mentioned

LOCALITY ACC.: CR 10609/ no acc.

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 1622t ,
TOTAL PRODUCTION (METAL):39.2kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2257; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252/2255/2256; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min.

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE?
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian — MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m): — OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : — LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

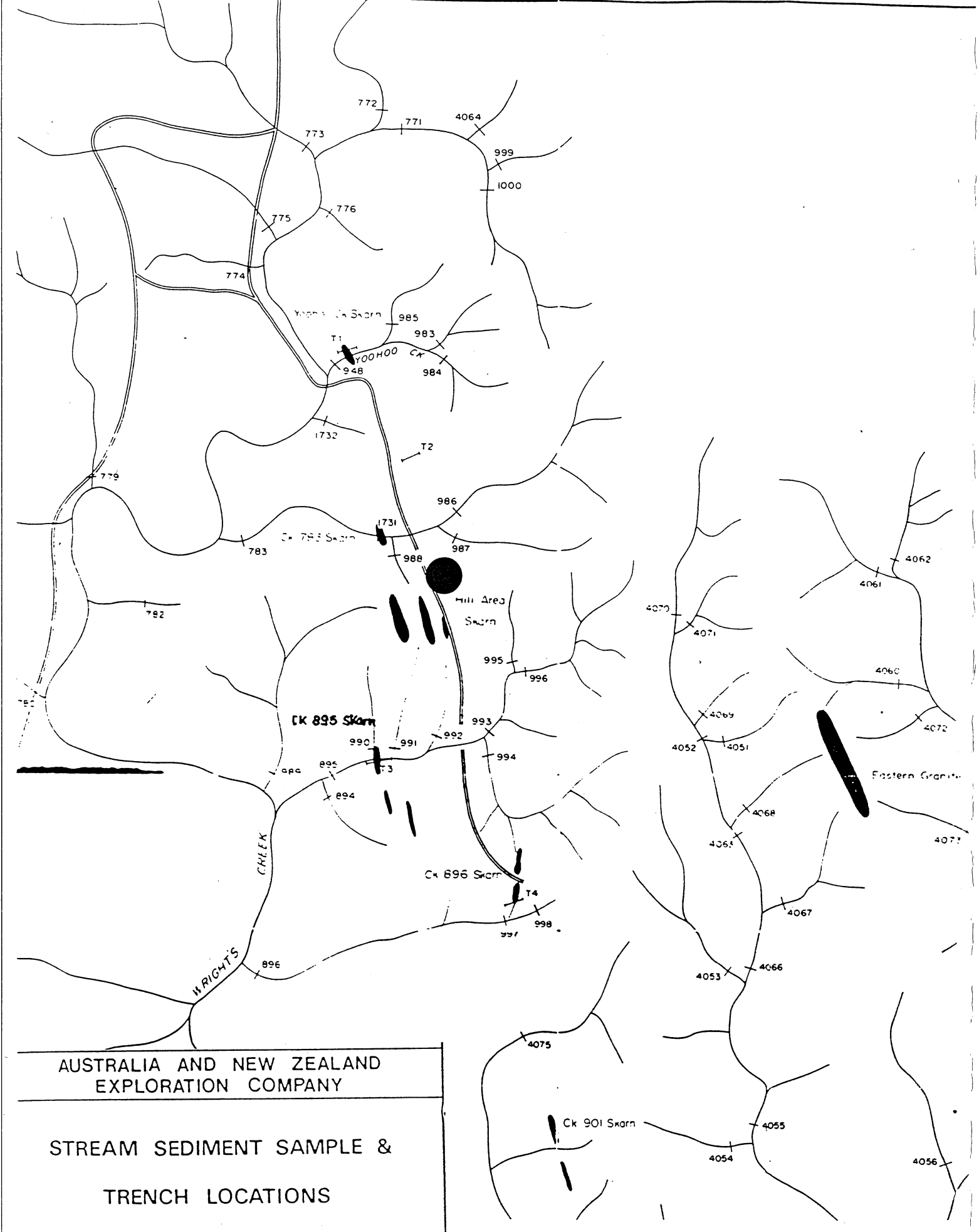
ORE MINERALOGY. — **ORE TEXTURES....:**

PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q. — **ORE GRAIN SIZE..:**

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2).

REMARKS....: #DD Belongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MN Au-min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au-min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MS Host sequence: coarse grained FS-(SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #M1 Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DD HAIKAI MINE: No locality marked in reports, only name mentioned in CR10609 (2).

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);



AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

EPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
ALE 1:10,000	DATE DEC 1978	DWG NO CPE - C

CR. 6846 (Open file)

DATA SHEET 127

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Hill Area Skarn

REFERENCE NUMBER:255245

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725550 mE, 8524500 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 3.5 km E to ESE of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q.

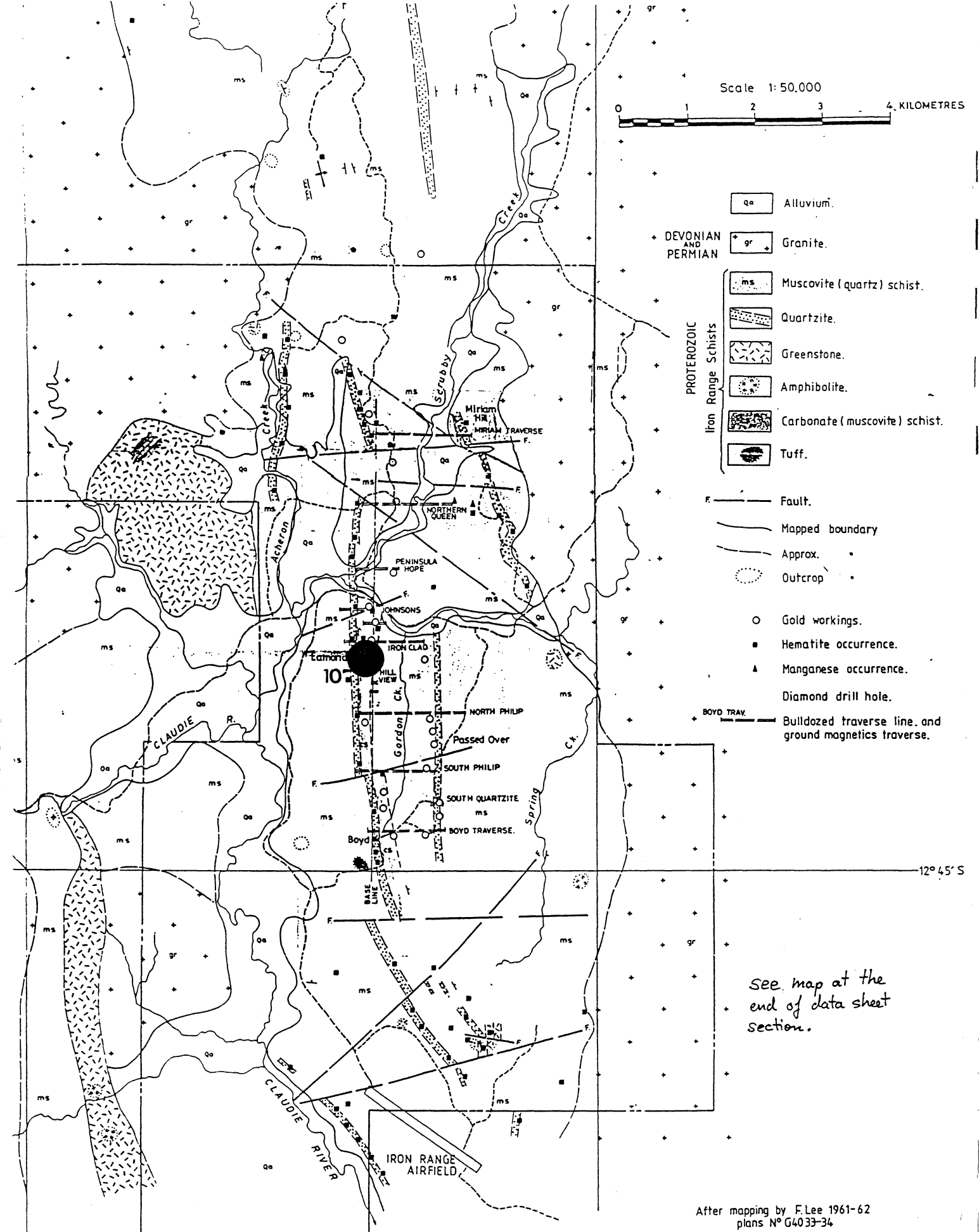
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1). Pegmatites possible agents responsible for tungsten min.; #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread developm. of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distrib. in fine veinlets of Q along cleavage fractures. #DDHILL AREA skarn: Numerous(3) outcropping zones of diopside skarn, with trace dissem. SCHE(no econ

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);



See map at the end of data sheet section.

After mapping by F. Lee 1961-62
plans N° G4033-34

CR 7307

Fig. 2

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.:

DATA SHEET 128

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Hillview

REFERENCE NUMBER:497925

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Pit(s), 1 Shaft(s), 2 Adit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749700 mE, 8592500 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 700 m E of Lammond Hill (No.10 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB).

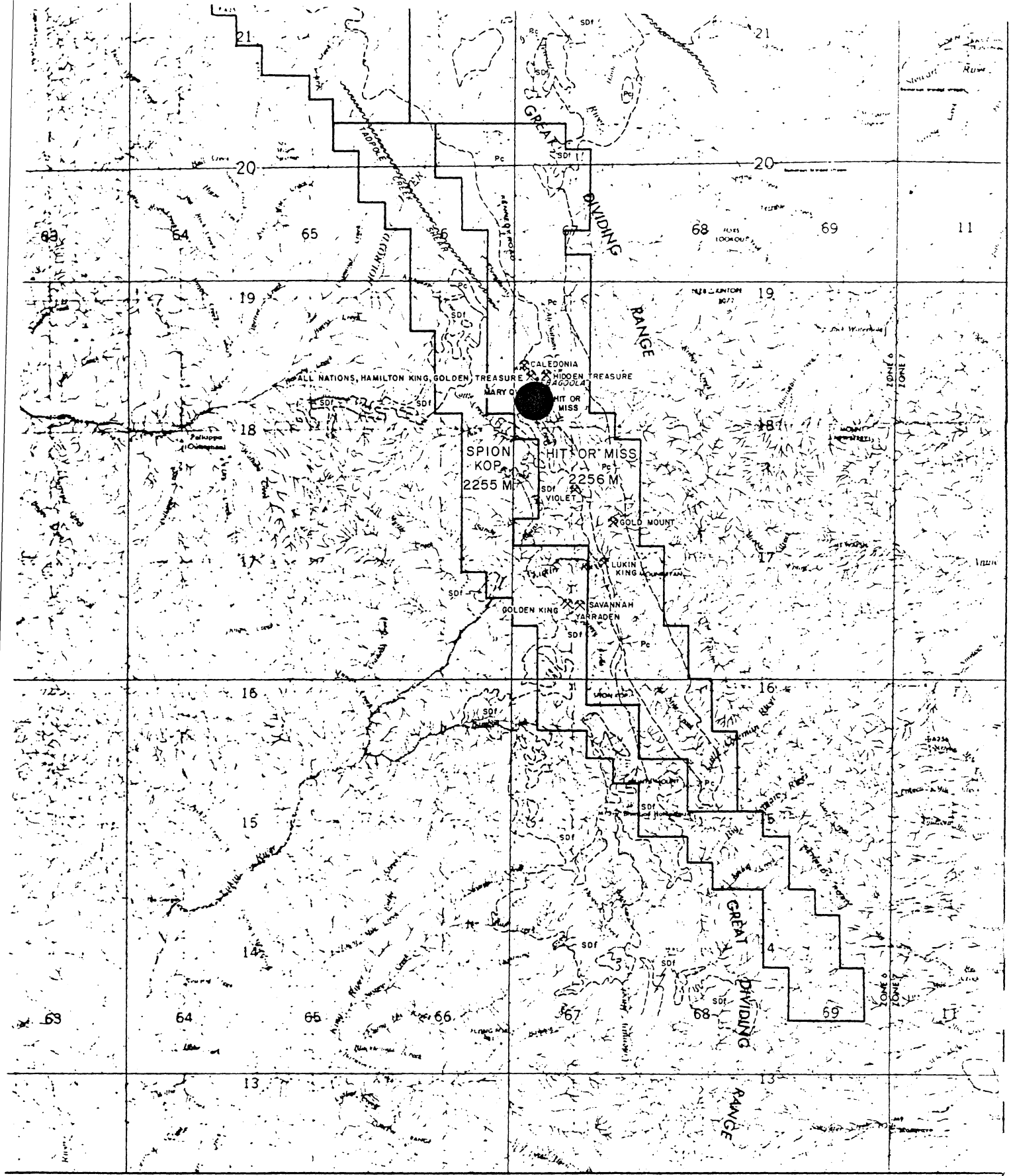
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #PROre grade intersection: 2.1 Au g/t over 32 m width (CRA result in CR 6598,p.5).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 8122

C R A EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT TADPOLE CREEK 2252M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M. LOCALITY MAP.		
Ref. Ebagoola 1:250000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist A.D.B	Scale. 1:250000	Drawn. J.W.
Report No. 10163	Date. August, 1980	Plan No. Qm. 1358

DATA SHEET 129

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET-

NAME(S).....: Hit or Miss

REFERENCE NUMBER:451156

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..: 13 Pit(s).
EXTENT OF WORKINGS: LENGTH: > 700 m, WIDTH: 3.0 m, DEPTH: 1.5 m
AMG GRID REFERENCE.: 745100 mE, 8415600 mN.
AMG SOURCE/ACCURACY: CR 8122/ 100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: EBAGOOLA
GENERAL AREA.: Great Dividing Range
LOCALITY.....: 1.8 km SE of Ebagoola
LOCALITY ACC.: CR 8122/ + 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 1089t ,
TOTAL PRODUCTION (METAL):67.0kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD, AP 2257M; 1980; AIJOYbejhq,3, [Au,Ag,Pb,Zn,Cu,As],-; CRA EXPLORATION PTY LTD, AP 2252M/2255M/2256M; 1981; ACNOabcdefq,0, [Au,Ag,Pb,Zn,Cu,As],-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 700.0m av.long x 3.0m max.wide . orebody; Strike 000deg/70deg dip to 090deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU,AG.
SECONDARY MINERALS:
GANGUE .....: Q.

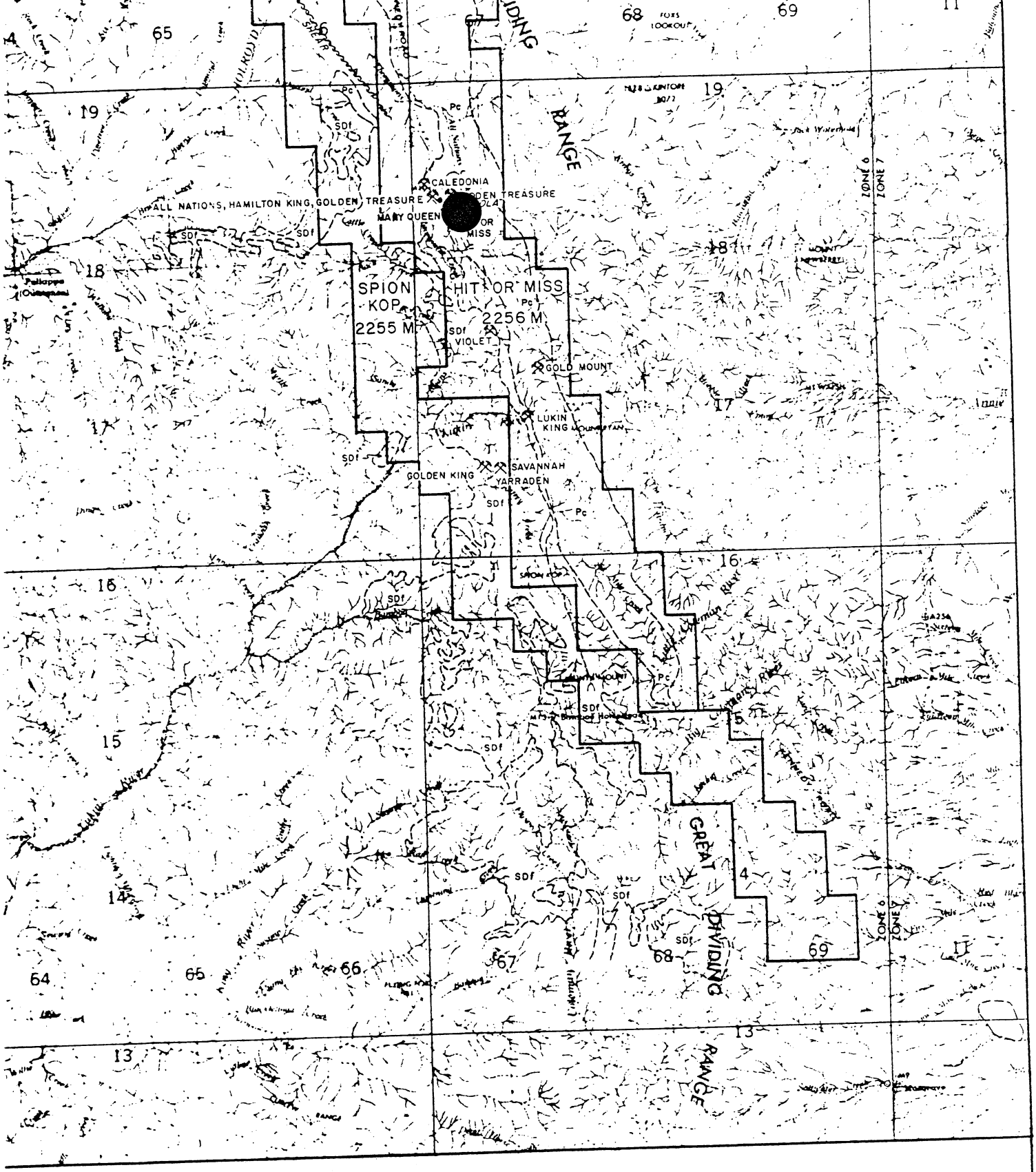
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Sheared (vein) mineralisation.

REMARKS....: #DDThis mine belongs to the northern part of the Hamilton goldfield, the Ebagoola gold workings. Outcrop is poor. #GMAu-min. localised in narrow Q-veins within a sequence of SER-FS-Q-MUS-SILL schist and gneiss. #ALSER, minor CHL and PY alteration occurs immediatly surrounding the Q-veins (not more than 1-3m into country rock). #PRPast mining grade reported to be as high as 30 to 60g Au/tonne. #DDThe Ebagoola goldfield consists of a number of small workings in three separate, roughly parrallel lines stiking (Caledonian L., Hit or Miss, Eastern L.;Distance between lines is 350 to 400m). #M1Hit or Miss L.: 3 lines of workings (along strike 2300m). Rock samples: <25 ppm Au. Assoc.As values +105 ppm ("C" Horizon). In MUS-Q-FS schist assayed 0.1-0.75 ppm Au.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);



CR 8122

CRA EXPLORATION PTY LIMITED

AUTHORITIES TO PROSPECT

TADPOLE CREEK 2252M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M.

LOCALITY MAP.

Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-8

Geologist. A.D.B.	Scale. 1:250 000	Drawn. J.W.
Report No. 10163	Date. August, 1980	Plan No. Qm. 1358

DATA SHEET 130

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Hit or Miss Line Group-May Queen (Page 1 of 2) REFERENCE NUMBER:446164A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..: Pit(s), Shaft(s), Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 744600 mE, 8416400 mN.
AMG SOURCE/ACCURACY: CR 8122/ 100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: EBAGOOLA

GENERAL AREA.: Great Dividing Range
LOCALITY.....: ~1 km SSE of Ebagoola

LOCALITY ACC.: CR 8122/ + 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 2054t ,
TOTAL PRODUCTION (METAL):80.0kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD, AP 2078M; 1979; ABCIYbej,5[As,Au,Co,Cu,Mn,Mo,Pb,Sn,U,Zn],-;CRA EXPLORATION PTY LTD, AP 2257M; 1980; AIJOYbejhq,3, [Au,Ag,Pb,Zn,Cu,As],-; CRA EXPLORATION PTY LTD, AP 2252M/2255M/2256M; 1981; ACNOabcdefq,0, [Au,Ag,Pb,Zn,Cu,As],-;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS
HOST ROCK TYPE: Granite.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: orebody; Strike 000deg/70deg dip to 090deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU,AG.
SECONDARY MINERALS:
GANGUE .....: Q.

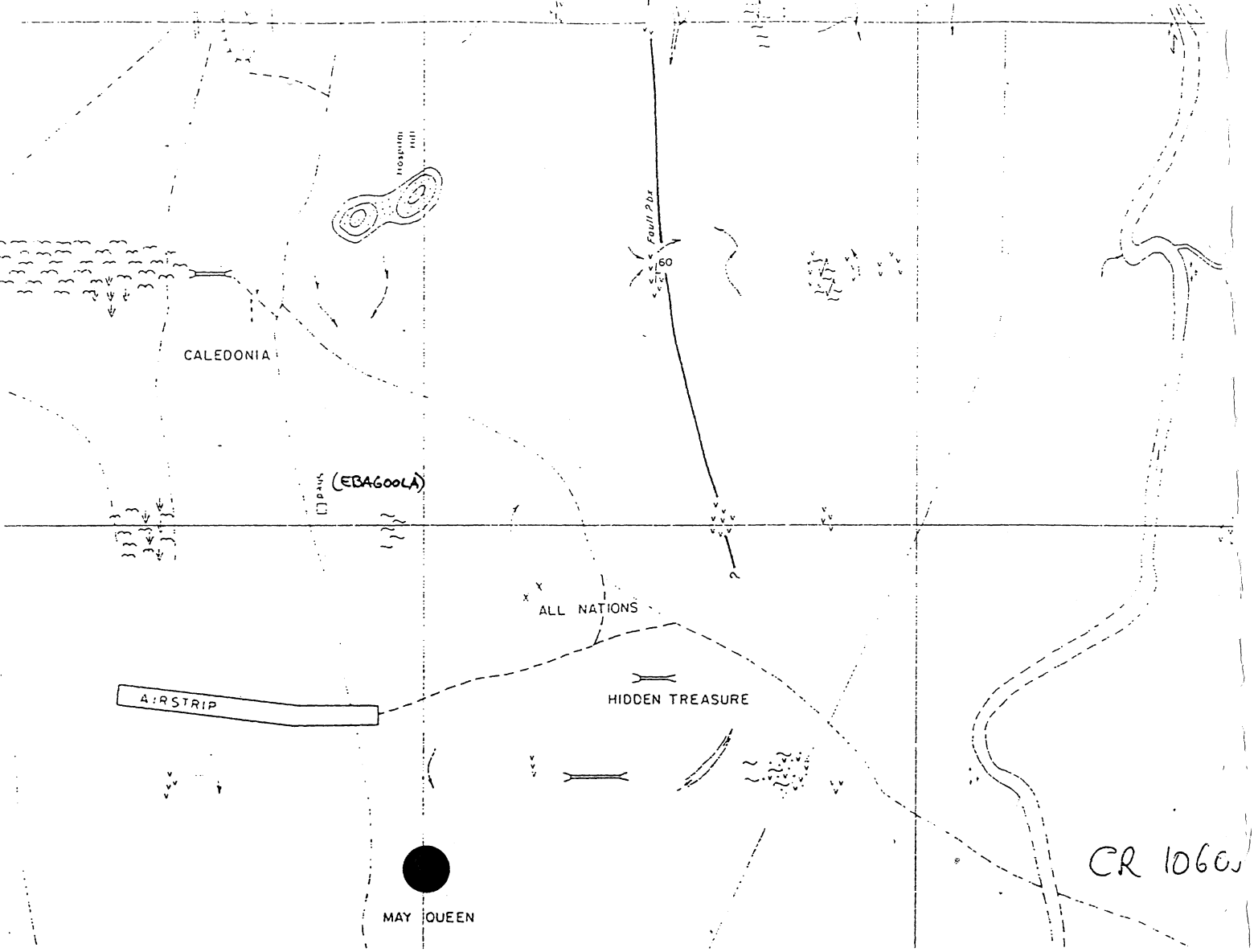
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Sheared (vein) mineralisation.

REMARKS....: #DDThis mine belongs to the northern part of the Hamilton goldfield, the Ebagoola gold workings. Outcrop is poor. #GMAu-min. localised in narrow Q-veins within a sequence of SER-FS-Q-MUS-SILL schist and gneiss. #ALSER, minor CHL and PY alteration occurs immediatly surrounding the Q-veins (not more than 1-3m into country rock). #PRPast mining grade reported to be as high as 30 to 60g Au/tonne. #DDThe Ebagoola goldfield consists of a number of small workings in three separate, roughly parrallel lines stiking (Caledonian L., Hit or Miss, Eastern L.; Distance between lines is 350 to 400m). #M1Hit or Miss L.: 3 lines of workings (along strike 2300m). Rock samples: <25ppm Au. Assoc.As values +105ppm ("C"Horizon). A MUS-Q-FS schist assayed 0.1-0.75ppm Au.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);


Fault Pos
60
CALEDONIA
(EBAGOOLA)
ALL NATIONS
AIRSTRIP
HIDDEN TREASURE
MAY QUEEN
CR 1060

NAME(S).....: Hit or Miss Line Group-May Queen (Page 2 of 2)

REFERENCE NUMBER:446164B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MSMay Queen workings contain MUS-FS-Q-GT schist and minor sulphidic white Q scree to the N. To the S where the Hamilton King shaft is situated, workings expose a 0.3 to 0.4m wide Q-bed dipping 70 E within a sequence of altered, bleached KAO-Q-MUS rock. Smaller 2-3 cm wide Q-veins occur within the sequence. Spoil consists of sinterous-like sulphidic Q and yellowish f-grained KAO-rich rock. Composite grab samples assay 0.35 to 4.3 ppm Au and <12.5 ppm Ag. There is above threshold arsenic to the W of the main shafts, on-strike with anomalous arsenic concentrations in samples collected to the N of Hit or Miss.

REFERENCES CONTINUED.:

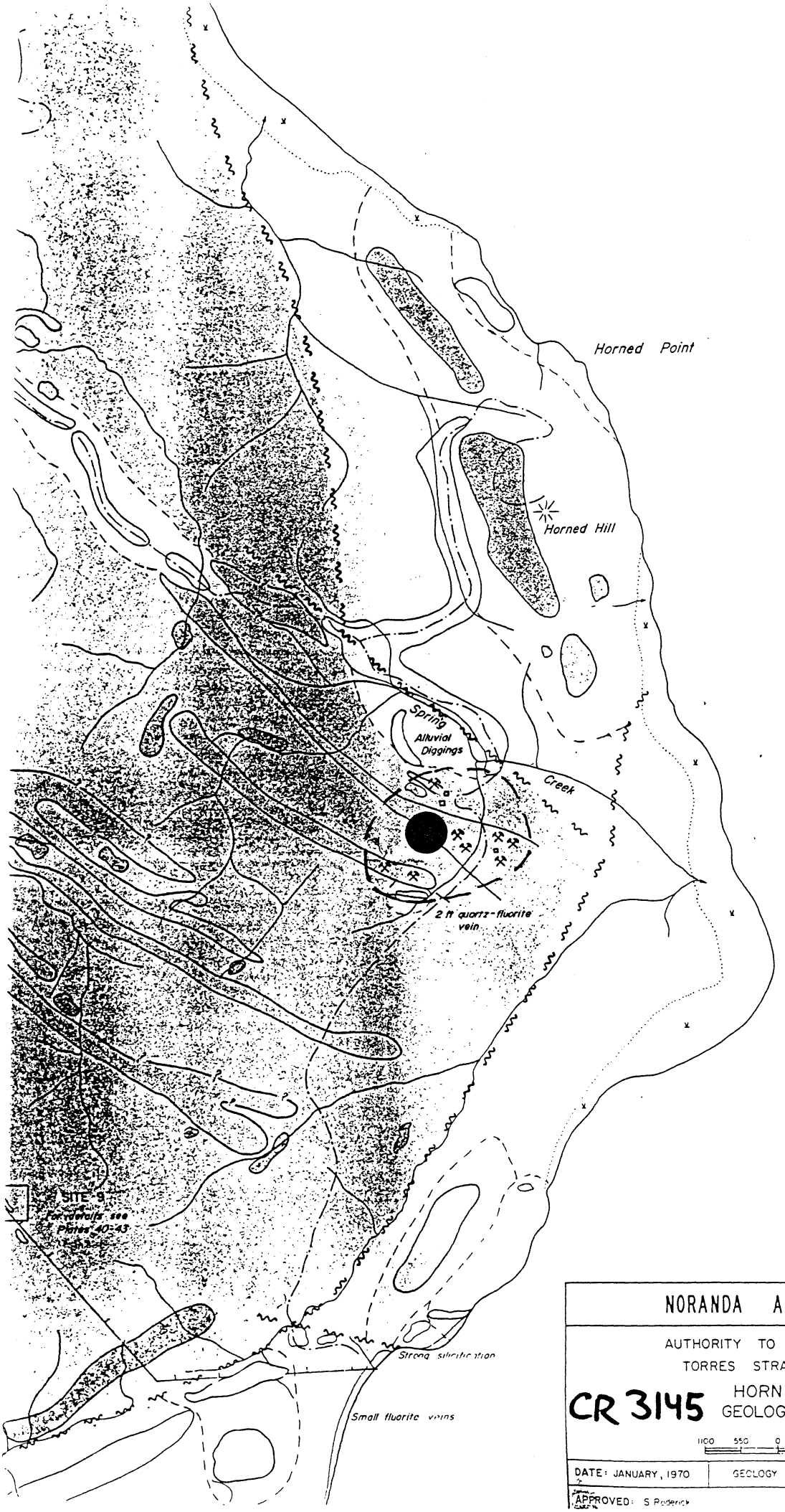


PLATE 33

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M
TORRES STRAIT ISLANDS - QLD

CR 3145

HORN ISLAND
GEOLOGICAL MAP

SCALE

1100 550 0 1100 2200 Feet

DATE: JANUARY, 1970 | GEOLOGY D Richards | DRAWN: N S

APPROVED: S Roderick | DRAWING No 114-C-206

DATA SHEET 132

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Horn Island

REFERENCE NUMBER:439269

COMMODITIES ....: GOLD,COPPER,LEAD,TUNGSTEN?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 08/12/89
METHOD OF WORKING..: 8 Pit(s), Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 643900 mE, 8826900 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m; Plate 33, Horn Island Geo 1. Map.

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: HORN ISLAND

GENERAL AREA.: Horn Island
LOCALITY.....: 1.5 km SSW of Horned Hill.

LOCALITY ACC.: CR 3145/ 100m; Plate 33, Horn Isl and Geol. Map.

MINING TENURE.....: G.M. LEASE 33 "Welcome Lease"

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1895-1896; 1896-1900;
TOTAL PRODUCTION (ORE) : 16904 t ,
TOTAL PRODUCTION (METAL):176.7kg Au, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; CR 3145; June 1970; BCbdl,5, [Cu,Pb,Zn,Ag,Au], -;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: BADU GRANITE (associated)
HOST ROCK TYPE: Porphyritic microgranite.
HOST ROCK AGE : Late Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2200.0m max.long x 500.0m max.wide . OREBODY (REEF); Strike 130deg/Unknown dip.

FORM/TYPE .....: Veins, Stockwork, Disseminated.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : PY,AU,GAL,SPL,CPY.
SECONDARY MINERALS: MAL.
GANGUE .....: Q,(FL),(TC).

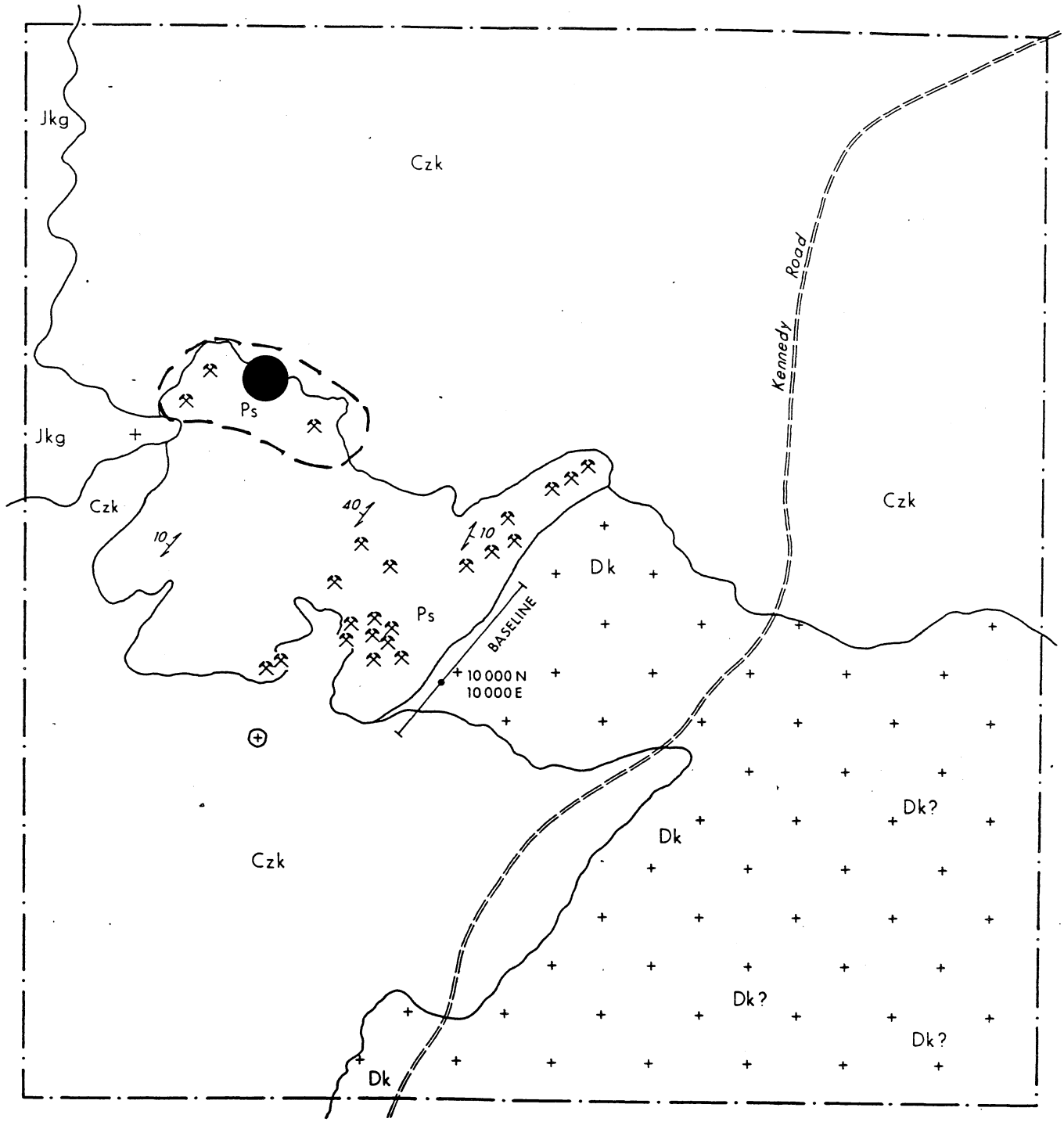
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Q-veins in the mining area (Gold is primary, free), but mostly disseminated or stockworked sulphides.

REMARKS....: #MNMin. in veins mainly composed of gangue Q, but often with amounts of FL as well. #MSMines located in subparrallel zones of hydrothermal alteration, which strike appr. 310 M and vary from 30 to 500m in width and are up to 2.2 km long. #ALAlteration is sometimes kaolinized. Rock shows strong fine shears (TC is present). #MNSulphides introduced as disseminations or fine stockworkings in varying amounts. But Au-mining only in Q-veinlets. #M1300 samples (40 samples in old workings) have been taken in the whole Thursday Island area.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);Rands, William H.(1896); Willmott, W. et al.(1973);



Cainozoic Sediments	Czk	Poorly consolidated sandstone and alluvium. Includes Yam Creek Beds.
Gilbert River Formation	Jkg	Sandstone, minor conglomerate and finer-grained sediments.
Kintore Adamallite	Dk	Coarse-grained adamellite
Sefton Metamorphics	Ps	Quartz-mica schist, quartzite

Geological boundary from aerial photograph

Horizontal bedding

Dip and strike of schistosity

Trench or pit in wolframite lodes

Authority to Prospect boundary

EXPLORATION BRISBANE

REGIONAL GEOLOGICAL M
AUTHORITY TO PROSPEC
1889 M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R.Meates | DRAWN: D.E.H. DATE: April '80. | SCALE: 1:25000 app.

FIGURE B3

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Imperial Group (Page 1 of 2)

REFERENCE NUMBER:185817A

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: Trench(es).
EXTENT OF WORKINGS: WIDTH: 2.3 m, DEPTH: 13.0 m,
AMG GRID REFERENCE.: 718500 mE, 8581700 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN

GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 7.8 km SW of M ount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 3 00m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916, 1952
TOTAL PRODUCTION (ORE) : 7t ,
TOTAL PRODUCTION (METAL):(Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co. Explor. Brisbane; AP 1889M; 1980; AB(E)Fckq,6,[W,Bi,As,Sn,Cu,Pb],-; CONSOLIDATED MINING IND.;AP515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Quartz reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock

REMARKS....: #GMQuartz reefs formed by forceful injection into, and particial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by quartz veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). #M1One major reef system in outcrop. Overall dip 7 to SE and it accounts for all the worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min. forms halo to this min. system in overlying rocks(2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wallrocks around

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);

NAME(S).....: Imperial Group (Page 2 of 2)

REFERENCE NUMBER:185817B

MINERAL EXPLORATION CONTINUED.:

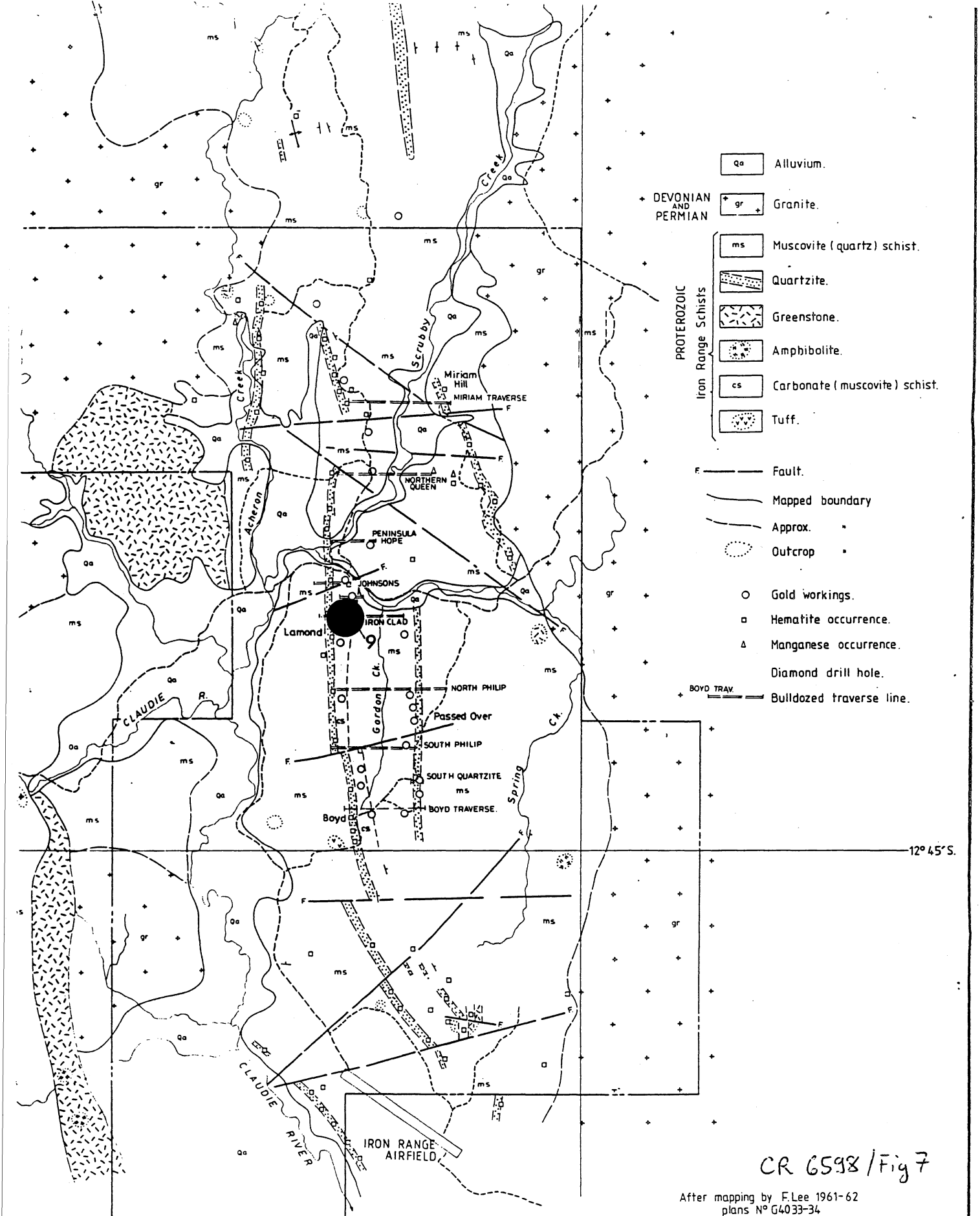
ORE GENESIS CONTINUED.:

WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE.
Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:

#ALthe min. Q-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with strike and dip of the schists (few occupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil Geo: W (<5-1200 ppm)Anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosityor discordant. Reefs are lensic (swell from nothing to several m.) (1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (average thickness: 1 to 1.5 m). Rock chip: 9 reefs anomalous in W: averaging at 0.22% W. 4 reefs aver. at 0.51%W (Range 0.41-0.56% W)(8). #DDIMPERIAL: About 1.6km from main group, southern bank of tributary of Camp Ck. The outcrop extends 2.4 km, with a lode about 45cm thick (7). This NW sector weakly mineralised, belongs to a seperate, westerly dipping, minor reef system (1).

REFERENCES CONTINUED.:



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 135

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Iron Clad

REFERENCE NUMBER:498925

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Opencut, 1 Pit(s), 2 Trench(es), 2 Adit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749800 mE, 8592550 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER
GENERAL AREA.: IRON RANGE
LOCALITY.....: 0.9km ENE of Lammond Hill (No. 9 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....: (ML 486; "Inman Lease")

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.; CONSOLIDATED MINING IND. LTD; AP 511M; 1971; no detail imf.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite/ carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 000deg/70deg dip to 090deg.

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB).

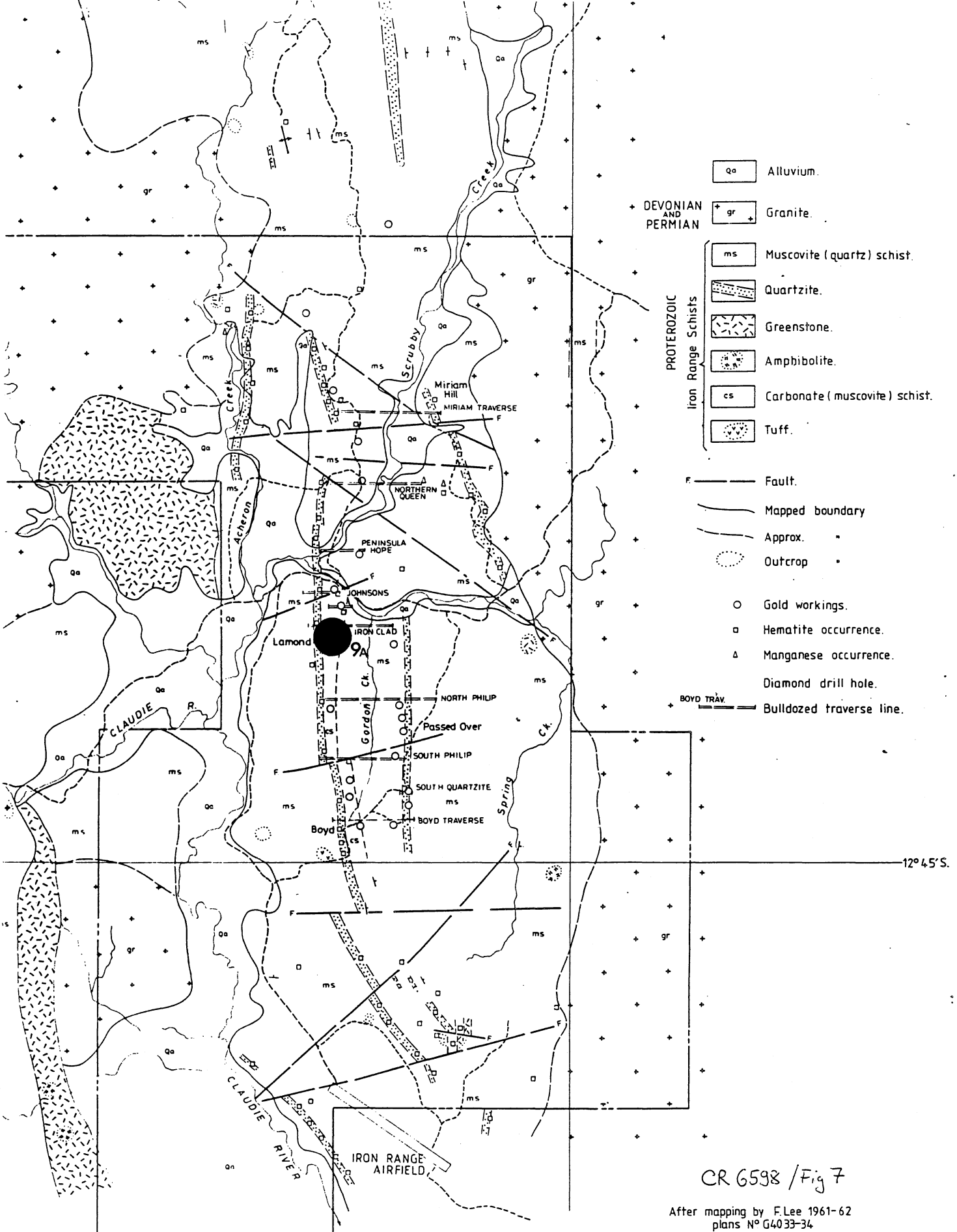
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #M1Methods of working: One open cut of about 10 m (1,2) and several adits, 1 trench. The relationship between HEM and AU is well displayed here. #PRValues of 4 m at 10.5 g/t and 10m at 3.1 g/t were obtained from HEM layers. #M2Adjacent rock types show interresting grades (1,p.6). Highest values of Au g/t in the Iron Range district were obtained over a length of 600m between Iron Clad and the road (BHP CR 6598, Fig.3+4). Ore grade intersections: 11.1 g/t Au over 4m width. Au-values from rock chips: 2-18 g/t Au (1).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);
CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 4213);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1:50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 136

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Iron Hope

REFERENCE NUMBER:497924

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749700 mE, 8592400 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.0km ENE of Lammond Hill (No. 9a on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite carbonate schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB).

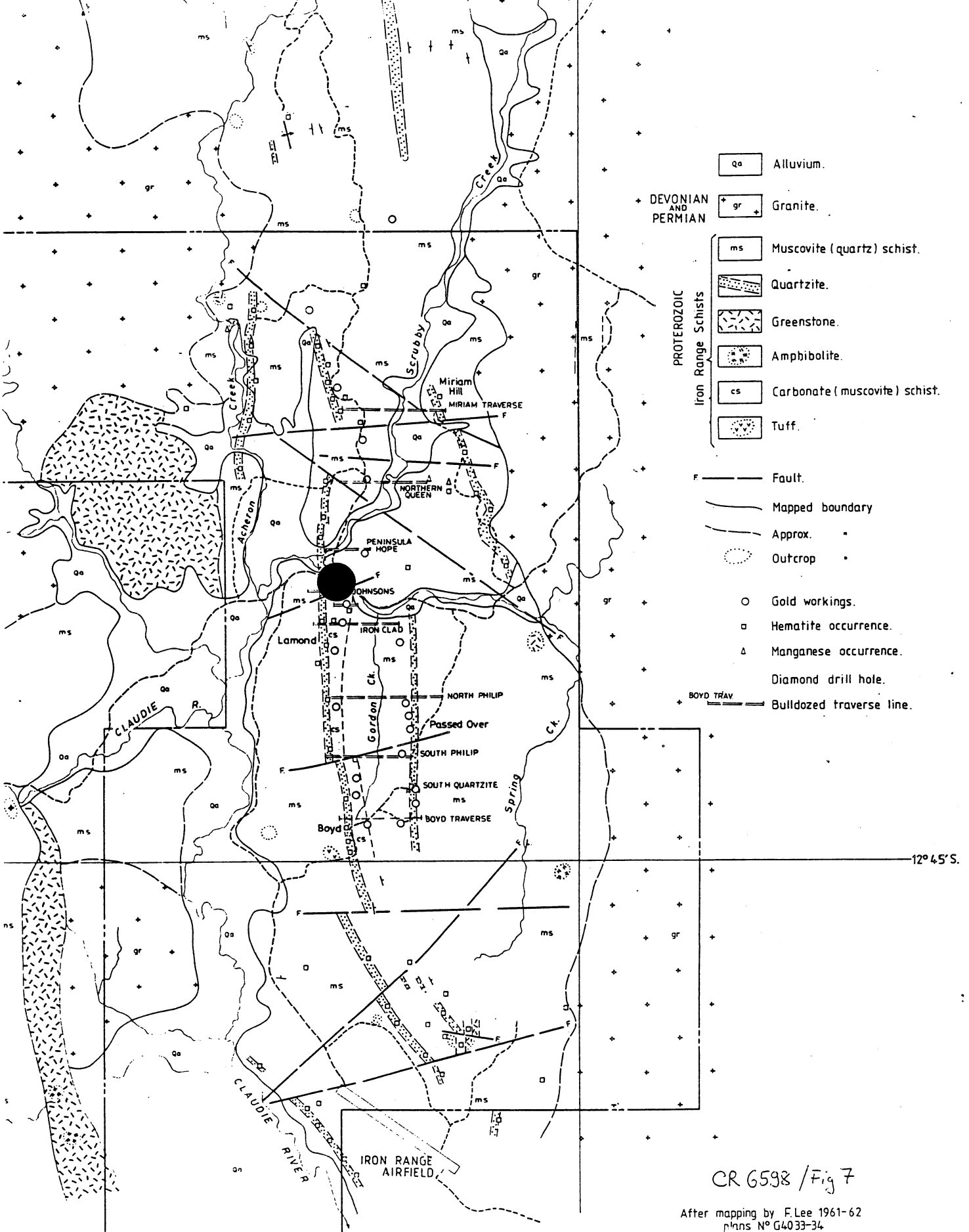
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #DDLocality from plan 6 of CR 7307 (no exact location!).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 137

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Johnsons Lode(Johnstons Lode) REFERENCE NUMBER:498934

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Pit(s), Adit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749800 mE, 8593400 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.3km NE of Lammond Hill (No.7 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....: (ML 486: Inman Lease)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.; CONSOLIDATED MINING IND LTD; AP 511M; 1971; no detail imf.; ENERGEX PTY LTD; AP 2426M; 1981; BCFEIabdefgqu, 0, BIF;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite carbonate (HEM) schist.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fold hinge, Fold limb.

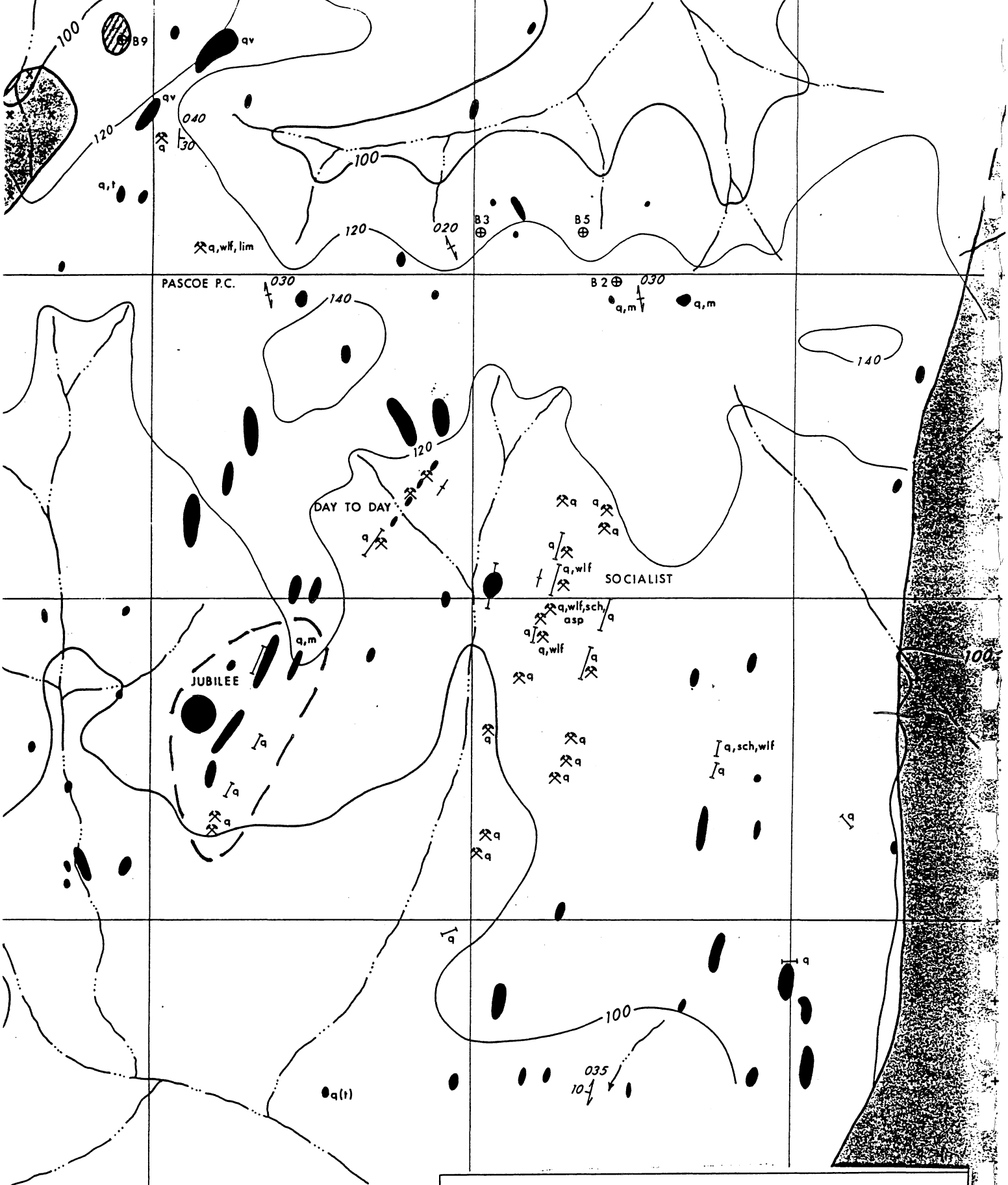
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification.

ORE MINERALOGY. **ORE TEXTURES....:** Banded.
PRIMARY MINERALS : HEM,MT,(AU),LIM.
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB). **ORE GRAIN SIZE..:**

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #CMRelationship between HEM and AU is well displayed here. #PRValues of 4m at 10.5 g/t and 10m at 3.1 g/t were obtained from HEM layers. #M2Adjacent rock types show uninterresting ore grades (1,p.6). Ore grade intersections: 5.1 g/t Au over 5m (width) Best section 5.3 g/t Au over 10m; 3.3 g/t Au over 25m (width; 5.8 g/t Au over 9.0m (width); #DDThe mine locality is mentioned on the soil sample plan of the CRA CR 4778, showing 1 pit and a crushing plant (6). #MSQ-vein as orebody, carrying 17 to 19 g/t Au; conformable with the schists and 8m wide. Similar lodes were worked throughout the I. R. goldfield and carried low grade values with patches up to 15 g/t Au (6).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961); CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 4213);ENERGEX PTY LTD(1981, QDRI unpublished company report CR 10822); CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);



INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION
BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R Meates	DRAWN: D Haines DATE April 1980	SCALE: 1:2500	PLATE B2

DATA SHEET 138

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Jubilee (Page 1 of 2)

REFERENCE NUMBER: 188810A

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: Trench(es).
EXTENT OF WORKINGS: LENGTH: 7 m, WIDTH: 2.3 m, DEPTH: 13.0 m,
AMG GRID REFERENCE.: 718800 mE, 8581000 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

1:250 000.....: CAPE WEYMOUTH SD54-4
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN

GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 8.1 Km SW of M ount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 3 00m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916; 1952
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):7.0t W, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co. EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-; CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Schistose.

ORE GRAIN SIZE..:

ORE GENESIS: Q-reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock

REMARKS....: #GMQ-reefs formed by forceful injection into, and particial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by Q-veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). One major reef system in outcrop. Overall dip 7 to SE and it accounts for all worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min. forms halo to this min. system in the overlying rocks (2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wall rocks around the min.

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);

NAME(S).....: Jubilee (Page 2 of 2)

REFERENCE NUMBER:188810B

MINERAL EXPLORATION CONTINUED.:

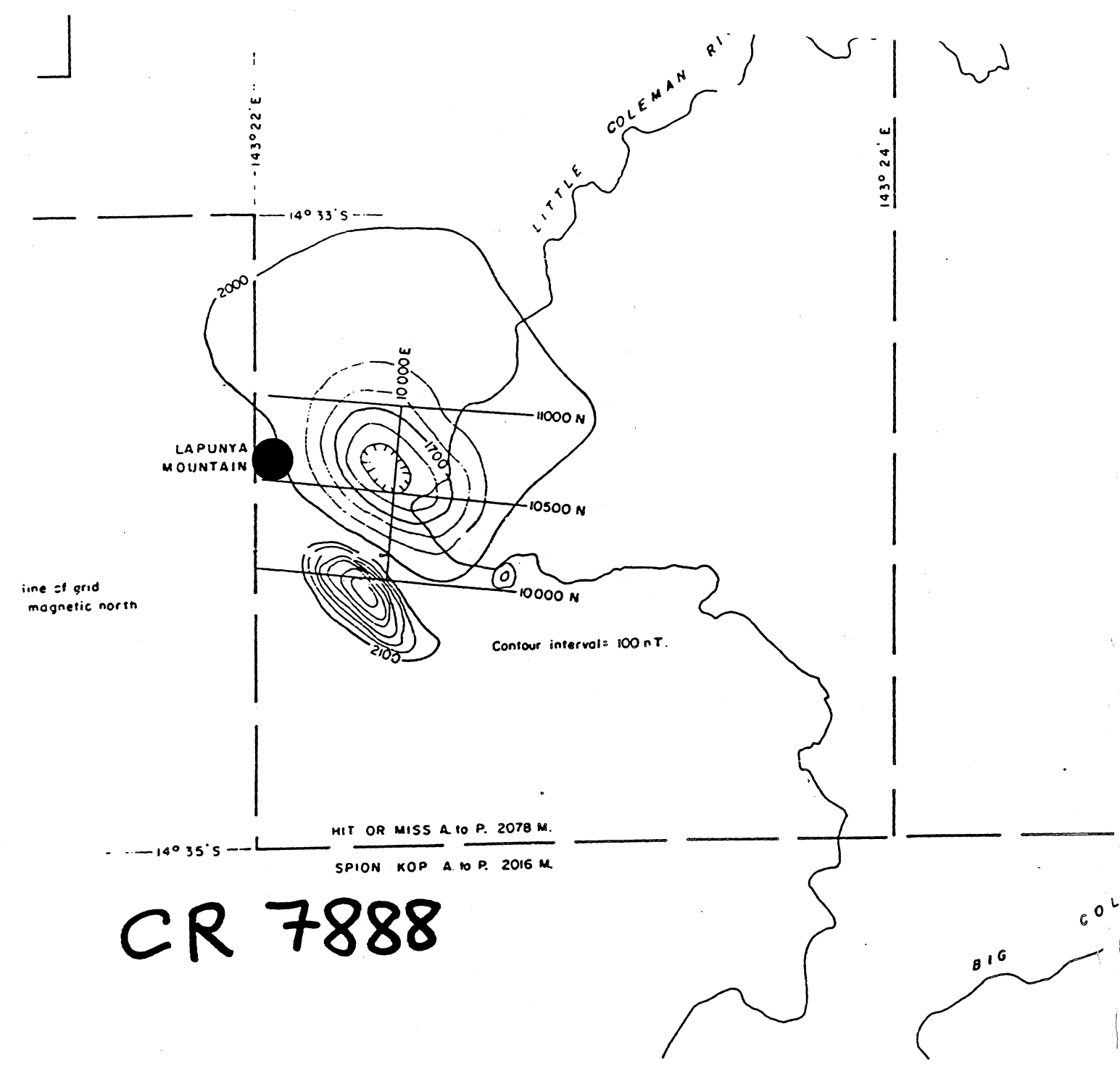
ORE GENESIS CONTINUED.:

WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE. Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:

#ALQ-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in a strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to the contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with the strike and dip of the schists (few ocupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil geo: W (<5-1200 ppm) anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosityor discordant. Reefs are lensic (swell from nothing to several m.) (1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (average thickness: 1 to 1.5 m). Rock chip: 9 reefs anomalous in W: averaging at 0.22% W. 4 reefs aver. at 0.51%W (Range 0.41-0.56% W)(8). #DDJUBILEE: About 400m from the Pascoe P.C. a cutting, about 6.6m long and 2.3m deep, follows a Q-lode in schist. The lode expands to 1m in width carrying W in patches. Strike NE and dip SE (7).

REFERENCES CONTINUED.:


143°22'E
14° 33'S
LITTLE COLEMAN RI
143° 24'E
2000
10000 E
11000 N
1700
LAPUNYA MOUNTAIN
10500 N
0
10000 N
2100
ine of grid
magnetic north
Contour interval= 100 nT.
HIT OR MISS A. to P. 2078 M.
14° 35'S
SPION KOP A. to P. 2016 M.
BIG

CR 7888

DATA SHEET 140

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Lapunya Mount

REFERENCE NUMBER: 508876

COMMODITIES ....: GOLD
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 21/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750800 mE, 8387600 mN.
AMG SOURCE/ACCURACY: CR 7888/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: KALKAH 7568
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: S of Lukin River/NW.of Upper C oleman R./7.4km SSE of Spion K
LOCALITY ACC.: CR 7888/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: CRA EXPLORATION PTY LTD, AP 2078M; 1979; ABCIYbej,5[As,Au,Co,Cu,Mn,Mo,Pb,Sn,U,Zn],-;CRA EXPLORATION PTY LTD; AP 2257; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252/2255/2256; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 330deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

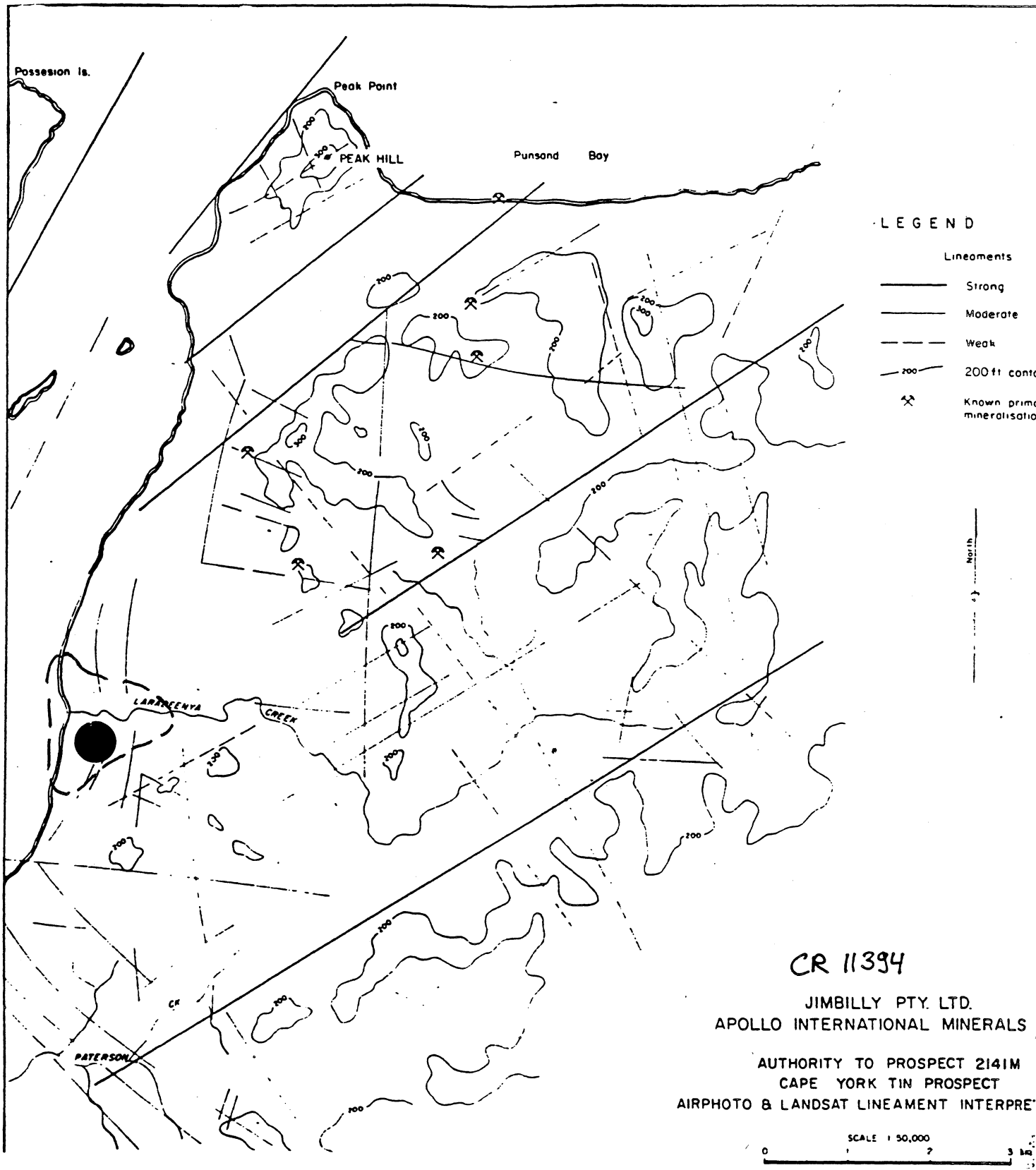
ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2).

REMARKS....: Belongs to Yarraden Goldfield, part of the Hamilton Goldfield. Au mineralisation occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au mineralisation also occurs along fractures in granitic rock. Min. related to regional lineament or shear. Host sequence: coarse grained FS (SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms.

Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2).

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);


Possesion Is.
Peak Point
PEAK HILL
Punsand Bay
LARRAGENYA
CREEK
CR
PATERSON
LEGEND
Lineaments
Strong
Moderate
Weak
200 ft contour
Known primary mineralisation
North
CR 11394
JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS
AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE
SCALE 1 50,000
0
1
2
3 km

DATA SHEET 141

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Laradeenya Creek (Page 1 of 2)

REFERENCE NUMBER: 543083A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 654300 mE, 8808300 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SSE PEAK HILL
LOCALITY.....: 7km SSE Peak Hill

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-; CONSOLIDATED MINING IND LTD; AP 716M; 1970; YUe, 5, [Sn] offshore,-; CONSOLIDATED MING IND; AP 526M; 1970; ABaefhjkl, 0, -;
TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands;/older beach ridges.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 25.0m max.vert.depth..

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : CST, (ZR),(IM),(MT),(RUT).
SECONDARY MINERALS:
GANGUE .....: Q,TOU.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Alluvial deposits-placers with heavy minerals and ferruginous nodules and acid volcanic pebbles to boulders.

REMARKS....: #MSRecent residual and poor to moderately sorted transported sand and silt foramtions occupy drainage areas between the Palaeozoic acid volcanics. The sediments are composed of sands, clays, ferruginous nodules and acid volcanic pebbles to boulders. Of potential economic significance, the sands and gravels contain the heavy mineral IM, ZR, RUT, CST + TOU as concentrated products of weathered volcanics and associated min.. The sediments range in depth from negligible to in excess of 25 m (S of Laradenya Creek). At each location the sands are known to carry CST (1). The alluvials occupy the low ground within and adjacent to BOOTY and MAULA Cr. with h.min. concentration resulting from the weathering of neighboring rhyolites and prim. tin occurrances.

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;CONSOLIDATED MINING

NAME(S).....: Laradeenya Creek (Page 2 of 2)

REFERENCE NUMBER: 543083B

MINERAL EXPLORATION CONTINUED.:

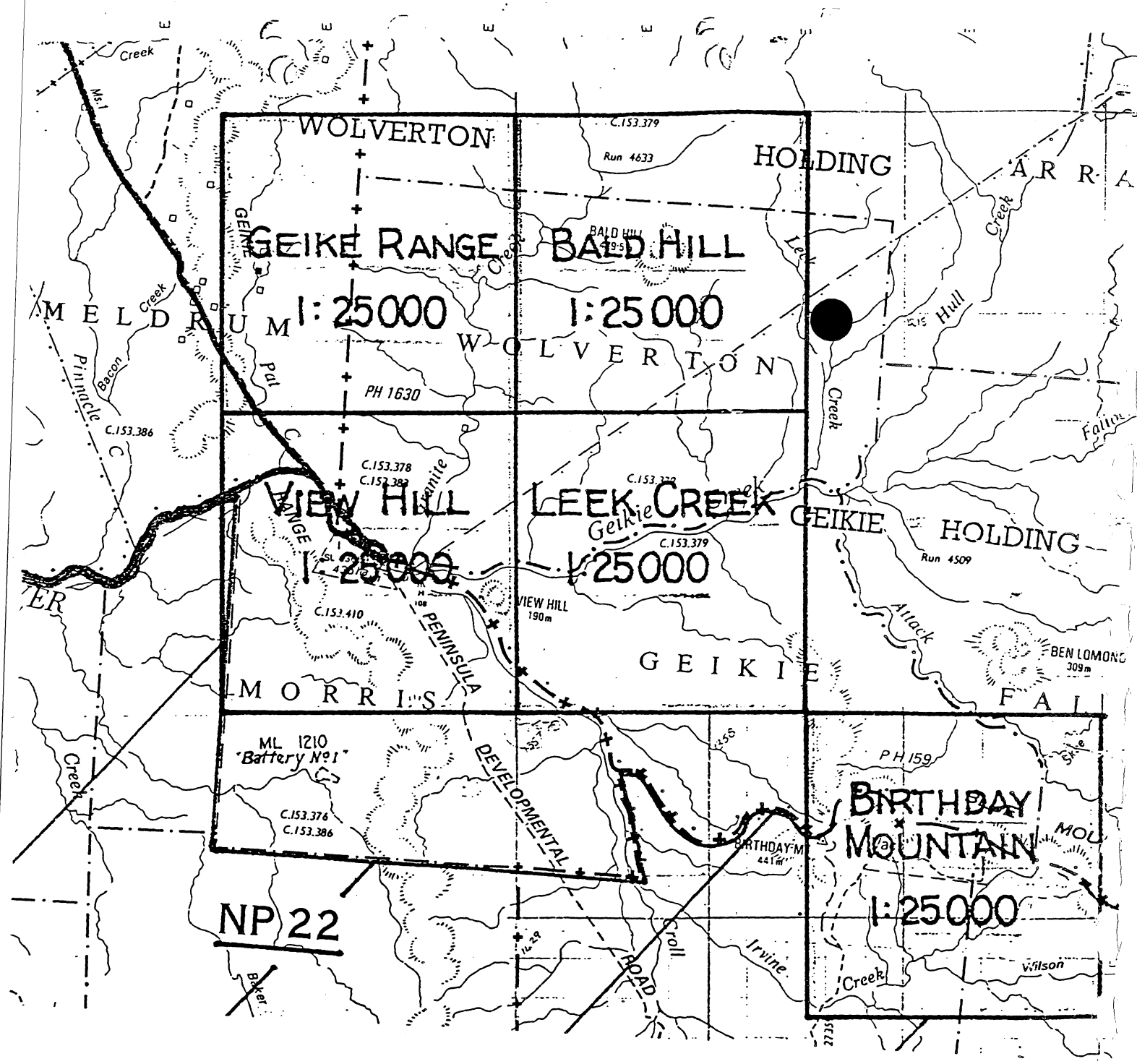
ORE GENESIS CONTINUED.:

Average determ values: 105 ppm Sn. Values up to 28 ozs.SnO2/c.yd were obtained off sea bed (7).

REMARKS CONTINUED.:

#MSDepth to basement contours = uneven with local infilled gullys and gutters. Alluvial depths range from 1-7m (av. 2.3m). Tin is present over the full vertical alluvial profile (dioscounts presence of "overburden"). Lateral sampling demonstrates higher tin grades within today creeks as a result of reconcentration within the drainage system (1,2). During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). Estuary, coastal and beach sands are present near the foreshore Punsand Bay carrying CST (1). Sed. can reach depth in excess of 25m S of Laradeenya Creek (1). Offshore:Total of 178 grab samples + 313 tube core samples: (491 assays for tin). Highest values(AAS determ.) Grab sampl: 500 ppm Sn; Tube sampl:480 ppm Sn

REFERENCES CONTINUED.:


GEIKE RANGE
1:25000
BALD HILL
1:25000
VIEW HILL
1:25000
LEEK CREEK
1:25000
BIRTHDAY MOUNTAIN
1:25000
NP 22
WOLVERTON
HOLDING
MELDRUM
GEIKIE
MORRIS
PENINSULA DEVELOPMENTAL ROAD
ML 1210
"Battery No 1"
PH 1630
PH 159
VIEW HILL
190m
BEN LOMOND
309m
Run 4633
Run 4509
C.153.379
C.153.386
C.153.376
C.153.378
C.153.410
Pinnacle
Bacon Creek
Pat
Geikie Creek
Leek Creek
Attack
Irvine
Creek
Baker
Wilson
Hull
Falina

DATA SHEET 143

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Leek Creek(Sandy Creek) **REFERENCE NUMBER:306178**

COMMODITIES ....: HEAVY MINERALS,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 24/01/90
METHOD OF WORKING..: Trench(es), Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 730600 mE, 8517800 mN.
AMG SOURCE/ACCURACY: CR 10216/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: E of Wrights Creek/ Sandy (Leek) Creek
LOCALITY ACC.: CR 10216/ 100m/ ML Map 1:25000 Leek Creek

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCE1fquo, 0, alluvial deposits;

TECHNIQUES USED ...: Geology,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FALLOCH BEDS/ Wolverton Beds
HOST ROCK TYPE: conglomerates - gravel.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Argillic.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : (CST),(MOLY),(W),(MT), (GA),(ZR),(MONAZITE).
SECONDARY MINERALS: LIM, HEM, GOET.
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial heavy minerals.

REMARKS....: #M1Heavy minerals have not been a main concern at exploration with this company (1). #CMThis domain, Leek Creek, has only trace amounts of tin but very high heavy mineral concentrations, typical of alluvium derived from the upper unit of the Wolverton Beds. Thus it is possible, that palaeoplacer conglomerate beds may underlie the finer grained alluvium in the Leek Creek area (1,p.37). #DDOn the ML maps 1:25000 LEEK CREEK and BALD HILL the creek is named Leek Creek whereas the topographical map 7571 names it Sandy Creek.

REFERENCES.: WOLVERTON TIN PTY LTD(1981, QDRI unpublished company report CR 9772);Titles and Tenures Services(1989);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);

DATA SHEET 144

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Leo Creek Mine **REFERENCE NUMBER: 572793**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 757200 mE, 8479350 mN.
AMG SOURCE/ACCURACY: CR 3239/Plan 47/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: COEN 7570
MINING DISTRICT : COOKTOWN
MINING FIELD....: COEN

GENERAL AREA.: NE-McIlwraith Range
LOCALITY.....: 4.7 km NE of Point 752

LOCALITY ACC.: CR 3239/Plan 47/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: CONSOLIDATED MINING IND LTD; AP 527M; 1969; BCGJINMOYacdjh, 4, [Cu,Pb,Zn,Ni,Sb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: granite.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....:

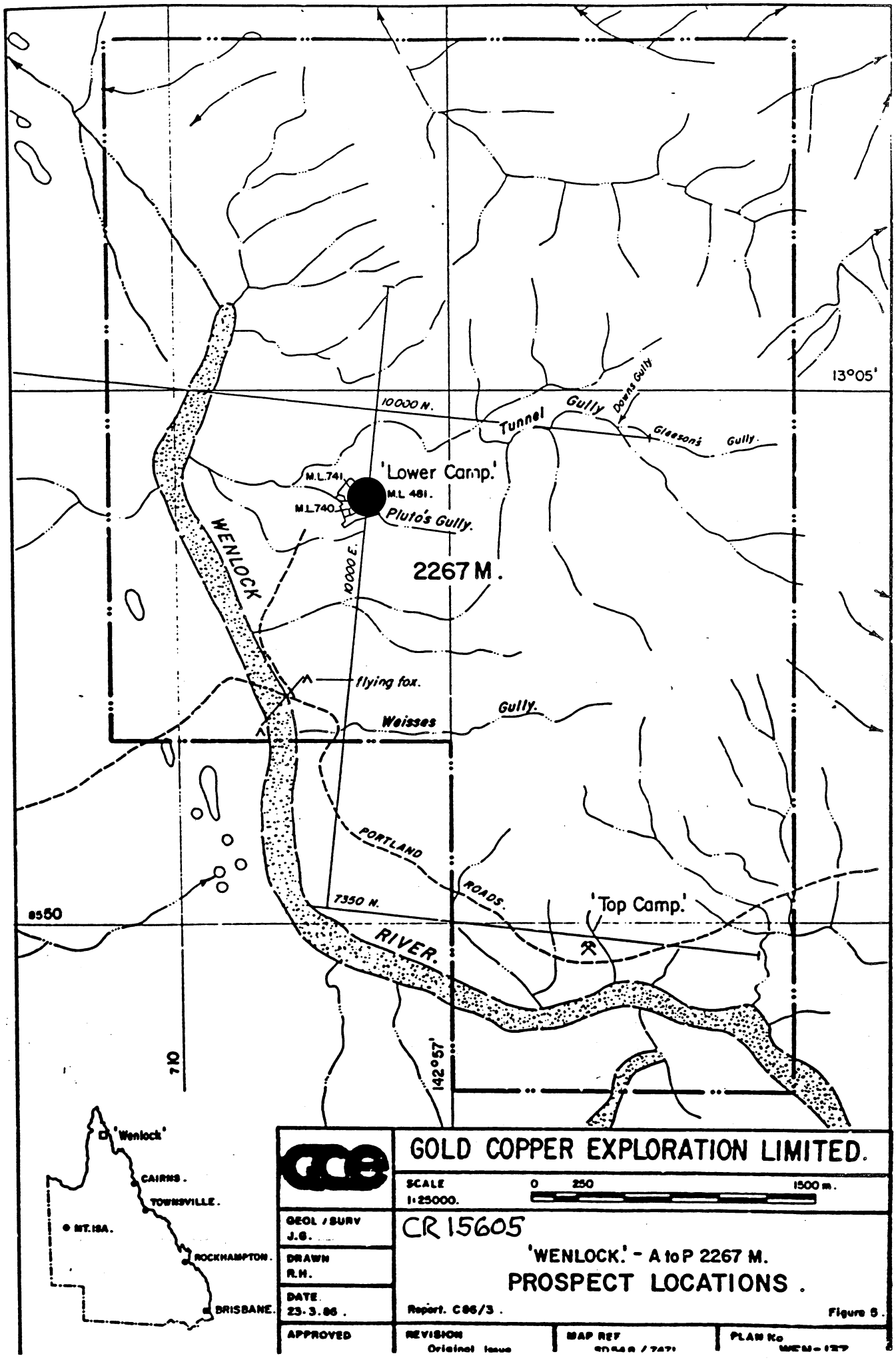
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: In general: Base metal min. (Cu,Pb,Zn) associated with Au min. in Q-veins.

REMARKS....: #MSPegmatite intrusives along faults in granite, with associated Q-veining. Low grade Au-min. occurs through the pegmatites and adjoining granite, with higher values near contacts of this intrusive.
#M1In the Buthen Buthen area 132 samples were taken with assays for Cu,Pb,Zn,Ni and Sb. and 18 split core samples (drilling) and 22 sludge samples (drilling).

REFERENCES.: CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3239);


13°05'
10000 N.
Tunnel Gully
Downs Gully
Gleesons Gully.
'Lower Camp.'
M.L.741
M.L 481.
M.L.740
Pluto's Gully.
WENLOCK
10000 E.
2267 M.
flying fox.
Weisses Gully.
PORTLAND ROADS.
7350 N.
'Top Camp.'
RIVER.
8550
710
142°57'
'Wenlock'
CAIRNS.
TOWNSVILLE.
MT. ISA.
ROCKHAMPTON.
BRISBANE.
GOLD COPPER EXPLORATION LIMITED.
SCALE 1:25000.
0 250 1500 m.
GEOL / SURV J.G.
DRAWN R.H.
DATE 23.3.86.
APPROVED
CR 15605
'WENLOCK.' - A to P 2267 M.
PROSPECT LOCATIONS.
Report. C86/3.
Figure 5.
REVISION Original Issue
MAP REF
PLAN No

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Lower Camp-Wenlock (Page 1 of 2) REFERENCE NUMBER:108523A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 20/02/90
METHOD OF WORKING..: Underground, 20 Pit(s), 57 Shaft(s), 13 Trench(es), Adit(s), Surface mining.
EXTENT OF WORKINGS: DEPTH: < 15.0 m,
AMG GRID REFERENCE.: 710800 mE, 8552300 mN.
AMG SOURCE/ACCURACY: CR 15605/Fig.5 / 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK
GENERAL AREA.: N-WENLOCK RIVER
LOCALITY.....: Portland Rd./ 3.7km NW of landing ground Wenlock River
LOCALITY ACC.: CR 15605/Fig.5 / 100m//Topogr. map 7471/100m

MINING TENURE.....: ML 481, ML 741, ML 740, MC 2240,(GMLs: 45,47,53,89,157,174,181,183,193,211,219,235)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: until 1950's
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):220.0kg Au, (GOLD COPPER EXPLORATION INC,1986).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:FREEPORT AUSTRALIA INC.; AP 2267M; 1986; ABEabdy, 3, [Au],-; GOLD COPPER EXPLORATION LTD; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0,-; GEOPEKO; AP 2859M; 1981; ELTabdy, 1, [Au,Ag,Zn,Cu,Pb,W, Sn],-; CONSOLIDATED MINING IND.LTD; AP 527M; 1969; Chfladq, 0, -;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION/ SEFTON METAMORPHICS
HOST ROCK TYPE: Slightly clayey quartztose sandstone.
HOST ROCK AGE : Early Permian - Early Cretaceous
MINERALISATION AGE:Early Cretaceous - Carboniferous

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 200.0m max.long x 2.0m max.vert.depth.. SCHISTOSITY; Strike 330deg/Unknown dip. FAULT; Strike 320deg/Unknown dip.
FORM/TYPE .....: Veins, Breccia-fill, Placer.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m): 20
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic, Silicification, Other-see Remarks.
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : AU,PY, (ASPY).
SECONDARY MINERALS:
GANGUE .....: Q (SILICA), FL,GT.

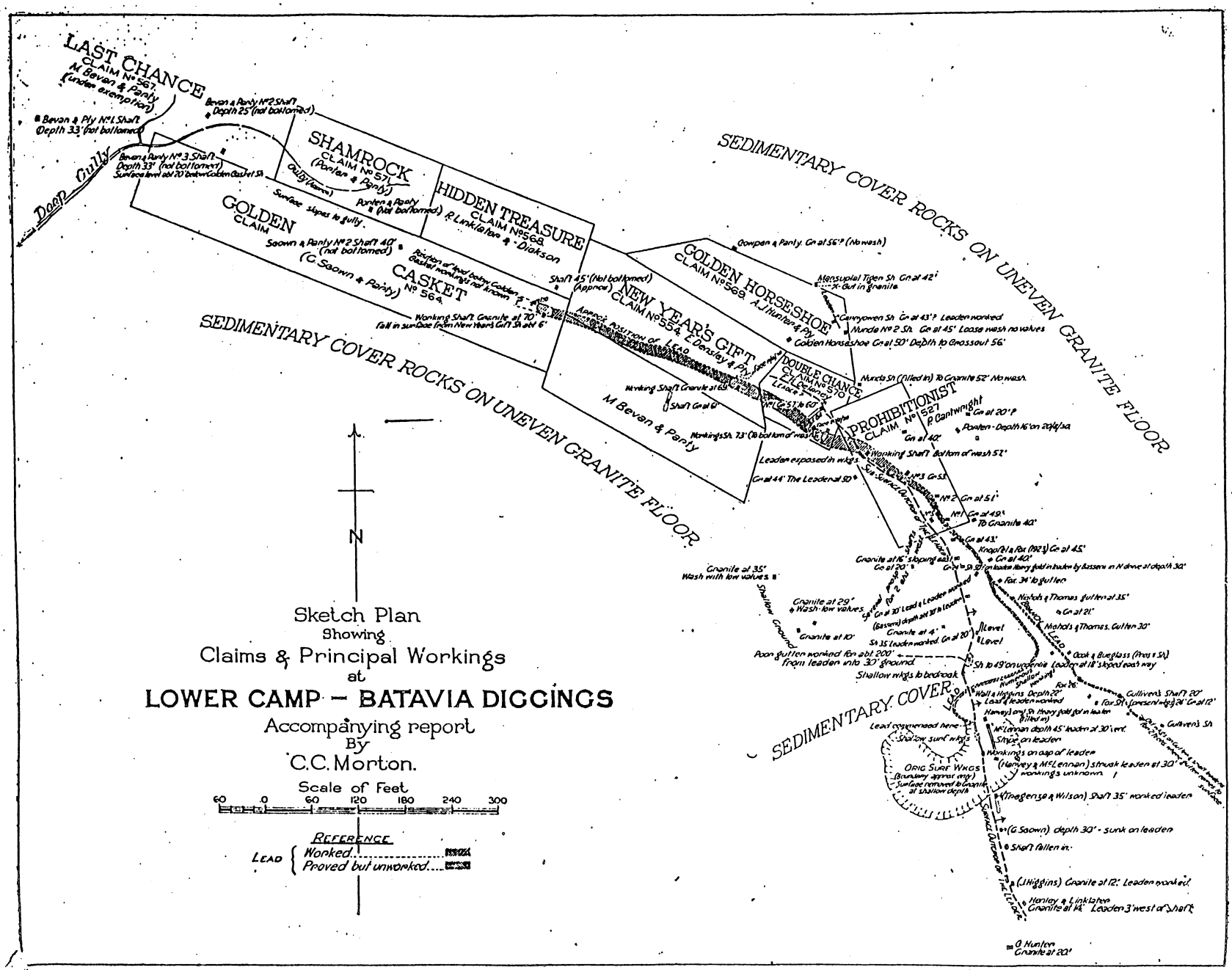
ORE TEXTURES....: Breccia-fill, Disseminated.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial workings; Reef workings; Vein workings.

REMARKS....: #MS Of interest for lode and alluvial Au. Large fault areas (structures). Possibilities for large tonnage low grade Au-deposits + large shoots (4). Deep leads and shallow alluvials worked (8). Gen. geol.: Basement rocks are granite and metamorphics (prim.ore), overlain by mesozoic sandstone. CZ sediments fill old drainage channels, blanket deposits, with basal gravel (most are aurifereous, 2. 3m thick, highest values at base; grade av.15.5 g Au/t) on bedrock. Richest ground in gutters. 7.3 g Au/t recorded in some of the lower grade grounds (8). Host rocks: coarse sands, sandy congl.,and congl., with grades getting better in the later. Depos.environm. is continental fluviatile. #MN Alluv.Au fine grained (4). Nuggets up to 155.5 gr.(5).

REFERENCES.: FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);Berkman, D.A(1966);GEOPEKO(1981, QDRI unpublished company report CR 9074); GEOPEKO(1981, QDRI unpublished company report CR 10298);GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693); Connah, T.H.(1951);Shepherd, S.R.Leonhard(1941);CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 3634);


LAST CHANCE
CLAIM No 567.
M Bevan & Party
(under exemption)
Bevan & Party No 2 Shaft
Depth 25' (not bottomed)
Bevan & Ply No 1 Shaft
Depth 33' (not bottomed)
Bevan & Party No 3 Shaft
Depth 33' (not bottomed)
Surface level abt 20' below Golden Casket Sh
Deep Gully
SHAMROCK
CLAIM No 571
(Porter & Party)
Gully (Narrow)
Porter & Party
(Not bottomed)
HIDDEN TREASURE
CLAIM No 568
P. Linklaters & Dickson
GOLDEN
CLAIM
Saown & Party No 2 Shaft 40'
(not bottomed)
Surface Slopes to gully
CASKET
No 564
(G Saown & Party)
Portion of Hand Barrow Golden
Casket workings not known
Working Shaft Granite at 70'
Fall in surface from New Years Gift Sh abt 6'
Shaft 45' (Not bottomed)
(Approx)
NEW YEAR'S GIFT
CLAIM No 554
L Densley & Ply
Approx position of Lead
Working Shaft Granite at 65'
Shaft Gn at 61'
Workings Sh 73' (Bottom of wash)
M Bevan & Party
GOLDEN HORSESHOE
CLAIM No 568
A.J. Hunter & Ply
Compan & Party Gn at 56'? (No wash)
Marsupial Tilden Sh Gn at 42'
X-Cut in Granite
Canyoneen Sh Gn at 43'? Leaden worked
Mundic No 2 Sh Gn at 45' Loose wash no values
Golden Horseshoe Gn at 50' Depth to Grossout 56'
DOUBLE CHANCE
CLAIM No 570
Leases
Mundic Sh (Filled in) To Granite 52' No wash.
PROHIBITIONIST
CLAIM No 527
P Cantwright
Gn at 40'
Gn at 20'?
Posten - Depth 16' on 20/4/30
Working Shaft Bottom of wash 52'
Leader exposed in wings
Gn at 44' The Leaden at 50'
No 3 Gn at
No 2 Gn at 51'
No 1 Gn at 49'
To Granite 40'
Gn at 43'
Knapp's & Pat (1923) Gn at 45'
Gn at 40'
Gn at Sh 97' on leader Many gold in leader by Bassons in N drive at depth 30'
For. 34' to gutter
Nichols & Thomas gutter at 35'
Gn at 21'
Nichols & Thomas, Gutter 30'
Granite at 35'
Wash with low values
Granite at 29'
Wash low values
Shallow Ground
Granite at 10'
Granite at 4'
Sh 35' leader worked Gn at 20'
Poor gutter worked for abt 200'
from leaden into 30' ground
Shallow wings to bedrock
Granite at 16' sloping east
Gn at 20'
Gn at Sh 97' on leader Many gold in leader by Bassons in N drive at depth 30'
Gn at 30' Lead & Leaden worked
(Bassons) depth abt 35' in Leader
Level
Level
Sh to 49' on underlie Leader at 18' sloped each way
Cook & Bluglass (Prop't Sh)
Wall & Higgins Depth 22'
Lead & leaden worked
Harvey & Sh Many gold in leader
(Filled in)
McLennan depth 45' leaden at 30' wet
Shaft on leaden
Workings on cap of leader
(Harvey & McLennan) struck leaden at 30'
workings unknown
Gullivers Shaft 20'
For 51' (present wkgs) at Gn at 12'
Gullivers Sh
(Tregenza & Wilson) Shaft 35' worked leaden
(G Saown) depth 30' - sunk on leaden
Shaft fallen in.
(J Higgins) Granite at 12' Leaden worked
Henley & Linklaters
Granite at 14' Leaden 3' west of Shaft
O Munton
Granite at 20'
Lead commenced here
Shallow surf wkgs
ORIG SURF WKGS
(Boundary approx only)
Surface removed to Granite
at shallow depth
SEDIMENTARY COVER ROCKS ON UNEVEN GRANITE FLOOR
SEDIMENTARY COVER ROCKS ON UNEVEN GRANITE FLOOR
SEDIMENTARY COVER
N
Sketch Plan
Showing
Claims & Principal Workings
at
LOWER CAMP — BATAVIA DIGGINGS
Accompanying report
By
C.C. Morton.
Scale of Feet
60 0 60 120 180 240 300
REFERENCE
LEAD
Worked
Proved but unworked

NAME(S).....: Lower Camp-Wenlock (Page 2 of 2)

REFERENCE NUMBER:108523B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

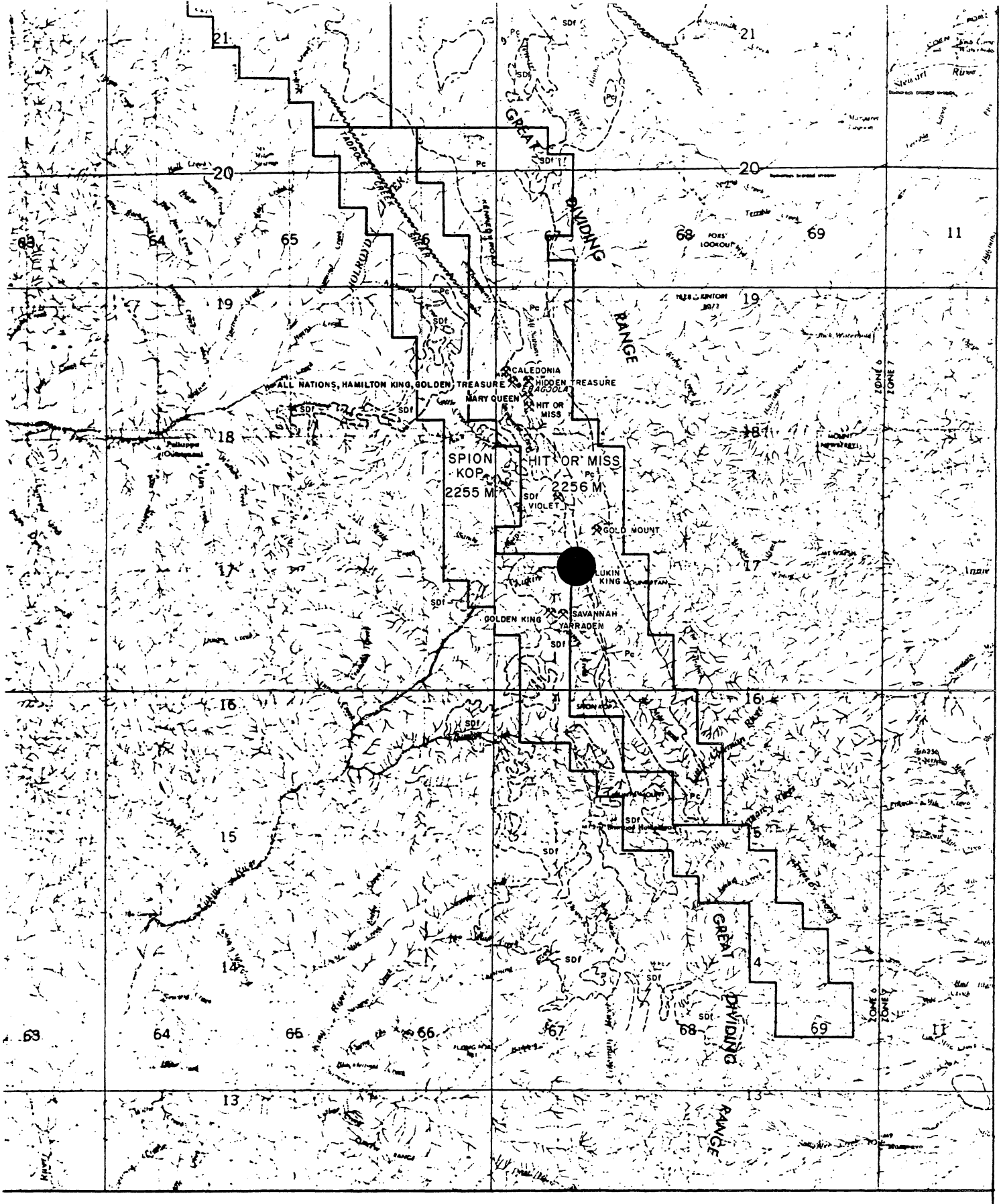
General rule: Frequency of pyritic Q-veins is related to intensity of sericitic alteration. Higher grade PY-ASPY Q-veins with enclosed altered granite. Reef workings; Au min. genetically related to faulting related to FL and GT (carbon) enrichment! (=EPIGENETIC)(2). Within mylonitic rock: sulphides reach 30%. High conc. of Nugget Au in supergene zone (Top laterite-intermediate pallid z.-deep z.weathered granit
e. Vein emplacement may be related to an episode of hydraulic fracturing, perhaps by fluid overpressure (during faulting). Sulphide deposition also in open fractures together with needle Q.

REMARKS CONTINUED.:

#PR Reef leads worked: confined mainly to the "main leader": worked over 300m length, and 65m depth (max.). Prod.: 6,500 oz. fine gold av. 10 dwt Au/t. Further potential: "Big reef" large tonnage, low grade (1.6-6.6m width)(8). #ALDrilling (by 1.): Two holes (WEN-S/D5,6) comprised of 134m of percussion (pre-collar) drilling and 227.28m of diamond drilling. A reef zone intersected at Lower Camp returned 3.39g/t Au over 2m. Drilling showed that in the area of old workings, the granite in the hanging wall of the Spotted Dog Fault is pervasively altered to SER-CHL-CARB assemblage. Shearing and mylonitisation strongly developed. Alteration sequence: 1.bright green SER with white Q. 2.pervasive CALC alteration (esp. in mylonite zones) 3.grey clay-blue Q-PY(A(ASPY) 4. black CHL as fracture coatings, plus PY (2, Alt.5). During Tertiary an extensive laterite profile developed on basement granite. Laterite overlies pronouced pallid zone (KAO-Q), preserving basem.features. #AL Fl & GT alteration characterised by development in lode zone at T.C.. FL alt. occurs as band and dissemination in Q-FS porphyritic granite (Anhedral FL crystals: >2mm with Q-CHL veins). Coalescing bands of GT occur in SER, corroded Q-porphyry. #MN Sulphide content (mainly PY; <20%) high (2,Alt. 6). #MS Brecciazone:Shearzone with core of breccia (5m wide), rounded to sub-angular clasts of granite, amorphus grey Q., & PY-fragments (5-25mm). Matrix silica. Granite clasts altered and display zoned rims of grey silica and f-grained dissem. PY#MSMetamorphic and granitic rocks of the basement are intersected by numerous Q-veins of variable size and orientation. Several Q-veins are Au-bearing. The largest Au-reef mined at Wenlock is the Main Reef/ or Leader, strikes NW and dips to30-60 SE. Total explored length 300m, max. width 0.5m. Reef consists of distictly laminated blue and white Q carrying free Au and PY. (Typical fissure reef, with sharply defined walls displaying evidence of fault movement.) Other Au-bearing Q-reefs at Wenlock include the Peacook Leader, the Gangowen Lead and the Big reef. Reef Au finely disseminated through Q-gangue, except in short rich shoots: specimens of wire and leef Au. #GMThe genesis of the Au-Q-veins is most likely related to the Devonian orogenic event which#GMresulted in metamorphism of the Sefton Metamorphics and emplacement of the Kintore Adamellite. During Tertiary an extensive laterite profile was developed an the basement granite. The laterite overlies a pronounced pallid zone (KAO-Q), which has preserved basement features such as Q-veining. Significant Au-production has come from the tropical soil profile (at Top Camp). Faulting is most important in Wenlock geology: Spotted Dog Fault strikes 320 (from T.C to L.C): displaced Cretaceous sandstones, a low angle reverse fault with W side down. Au-min. occurs on E-side of fault over 3km on hanging wall (footwall = barren). Mesozoic Palaeochannals: Au occurs within basal units of Gilbert River Formation, generally close to unconformity with older basemen#GMHost rocks coarse sands, conglomerates, with grades getting better in the later. Depositional environment is continental fluviatil. Au-bearing wash is largely confined to "gutters", which immediately overlie decomposed granite (flowed over unconformity during Jurrasic times). Two clearly defined "gutter" have been worked at Wenlock : "main gutter" (0. 5-2m thick), carrying low grade Au-values produced much of the Au at Wenlock fields (7). NAMES OF WORKINGS AND SHAFTS BELONGING TO WENLOCK LOWER CAMP: Band of Hope. Batavia Deeps/Diggings. Black Cat. Black and White. Bodyline Claim. Double Chance. The Duke. Edna May Extended. Golden Casket. Golden Gate. Golden Unit. Golden Horseshoe Claim. Hidden Treasure. Last Chance. Kitty Pluto. New Year's Gift. Plut#CM Pluto's Leader. Prohibitionist. Shamrock Claim. Southern Cross. Spotted Dog Shaft. Reform. The Rose. The Wasp Leases. United (Springall). Larsen's Shafts. Dickerson's Bore. Wild Irishman. Dole. Marsupia Tiger.

REFERENCES CONTINUED.:

Banks, J.G(1947);Morton, C.C(1930);Morton, C.C(1930);Beck, G(1935);Beck, G(1936);Jolly, J.L(1946); Jensen, H.I(1963-64);Hadley, B.A(1934);



CR 8122

C R A EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT TADPOLE CREEK 2252M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M. LOCALITY MAP.		
Ref. Ebagoola I: 250 000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist. A.D.B.	Scale. 1: 250 000	Drawn. J.W.
Report No. 1015	Date. August 1980	Plan No. Qr 1358

DATA SHEET 147

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Lukin King(Lukin Star) REFERENCE NUMBER:493041

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749300 mE, 8404100 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: Lukin River/ 2.3 km NW of Mount Ryan
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1907-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 1631t ,
TOTAL PRODUCTION (METAL):63.7kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD, AP 2078M; 1979; ABCIYbej,5[As,Au,Co,Cu,Mn,Mo,Pb,Sn,U,Zn],-;CRA EXPLORATION PTY LTD; AP 2257; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min.; CRA EXPLORATION PTY LTD; AP 2252/2255/2256; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,A
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared: Q-FS-CHL schist. Q-MUS-schist
HOST ROCK AGE : Silurian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 330deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q,FS,CHL,(GT).

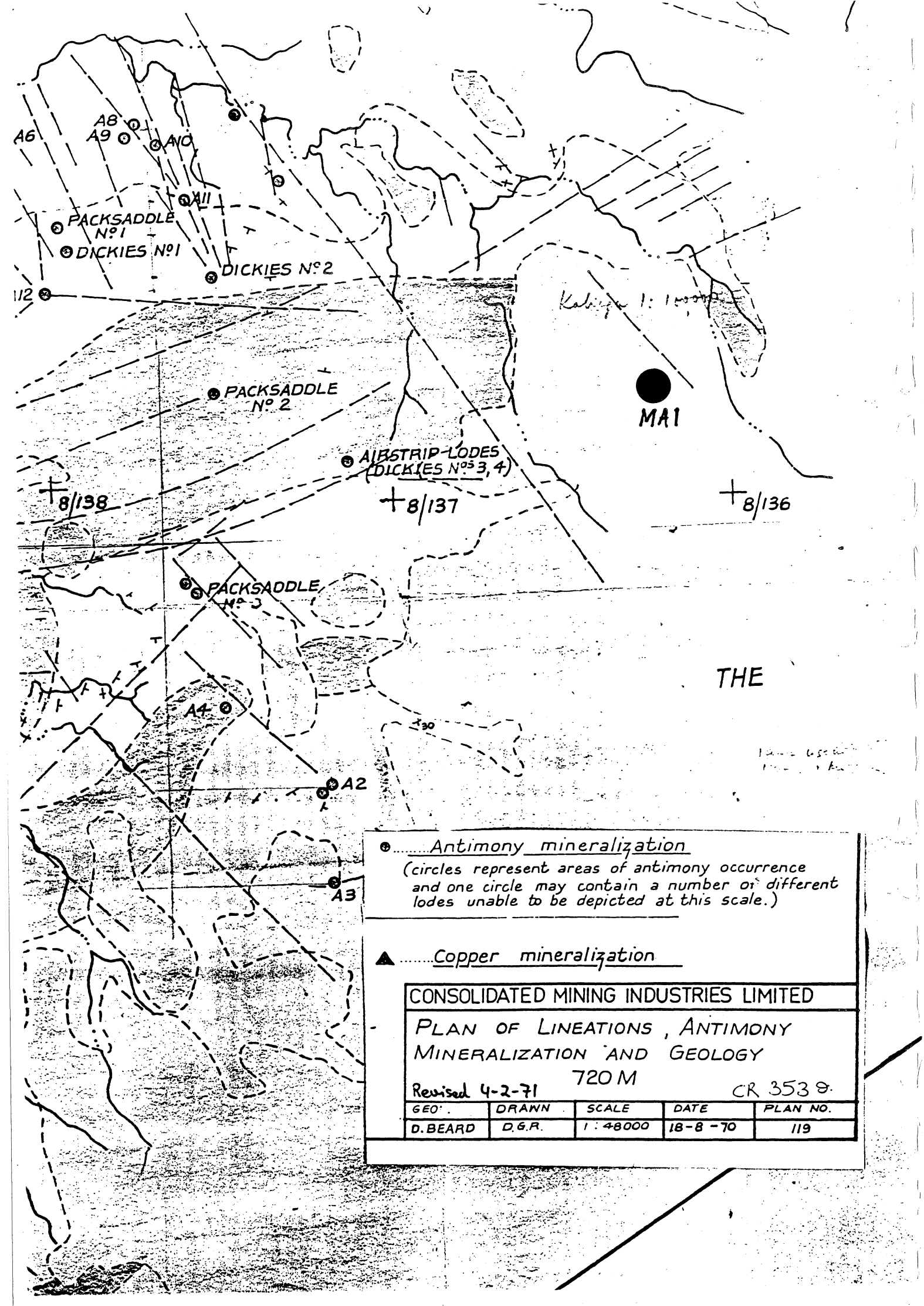
ORE TEXTURES....: Schistose.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2). Complex ore hosted by Q-MUS-schist and vein Q.(3).

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide Q-veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS-(SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #M1Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DDOutcrop at L.K.M is extremely poor.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 7887);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7666);


A6
A8
A9
A10
A11
PACKSADDLE No.1
DICKIES No.1
DICKIES No.2
112
PACKSADDLE No.2
AIRSTRIP LODES (DICKIES Nos 3, 4)
MA1
8/138
8/137
8/136
PACKSADDLE No.3
A4
A2
A3
THE
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 353 9.
GEO: D. BEARD
DRAWN D.G.R.
SCALE 1 : 48000
DATE 18-8-70
PLAN NO. 119

DATA SHEET 148

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: MA 1 REFERENCE NUMBER:742863

COMMODITIES ....: ASBESTOS,COPPER,NICKEL
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: LGC 20/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 774200 mE, 8286300 mN.
AMG SOURCE/ACCURACY: CR 4097/Plan 469/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: "The Desert"
LOCALITY.....: 3.7km E of landing ground S of Dixie Creek
LOCALITY ACC.: CR 4097/Plan 469/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:KIMBA MINING PTY LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geophysics,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Altered ultrabasics/ gneiss intruded by quartzite.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

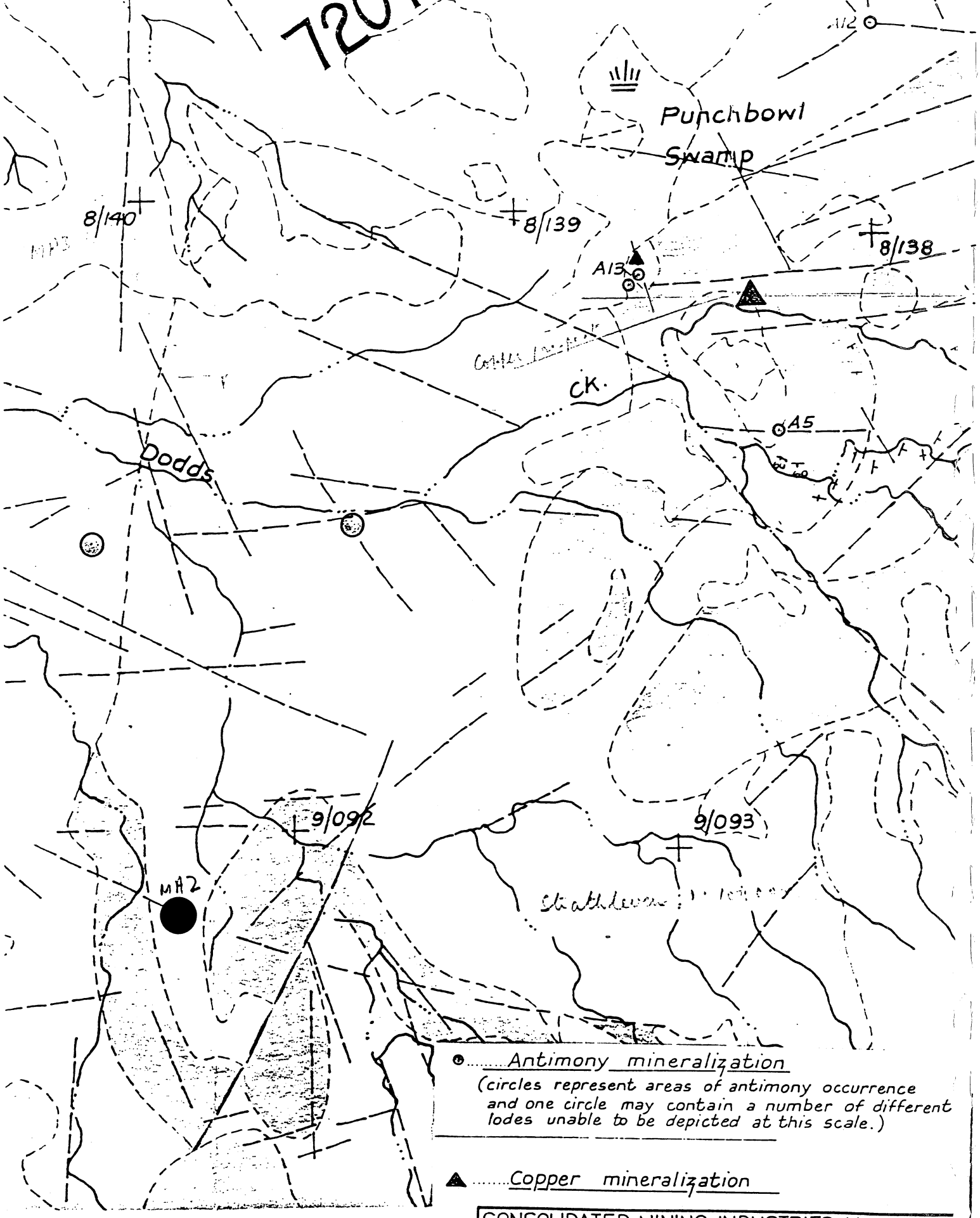
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Mineralised lodes.

REMARKS....: #MN Commodity = Asbestos (in TC - Tremolite schist). Cu and Ni-values also interesting in altered ultrabasics. Asbestos is of good quality and possesses a long fibre (much exceeds 24 cm), but is of no commercial value because of its limited spatial distribution.

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 4097);



● ..... Antimony mineralization

(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

▲ ..... Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720 M

Revised 4-2-71

CR 3539.

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D. BEARD	D.G.R.	1 : 48000	18-8-70	119

DATA SHEET 149

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: MA 2 REFERENCE NUMBER:608790

COMMODITIES ....: GRAPHITE
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: LGC 20/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 760800 mE, 8279000 mN.
AMG SOURCE/ACCURACY: CR 4097/Plan 469/ 500m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: STRATHLEVEN 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: N of "THE DESERT"
LOCALITY.....: 8.3km NW of Kimba, on junct. of Rds to Killarney and N.Dixie
LOCALITY ACC.: CR 4097/Plan 469/ 500m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:KIMBA MINING PTY LTD: AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: micaceous, graphite hematite schists/ gneisses/ quarzites
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : GR,MUS,HEM
SECONDARY MINERALS:
GANGUE .....:

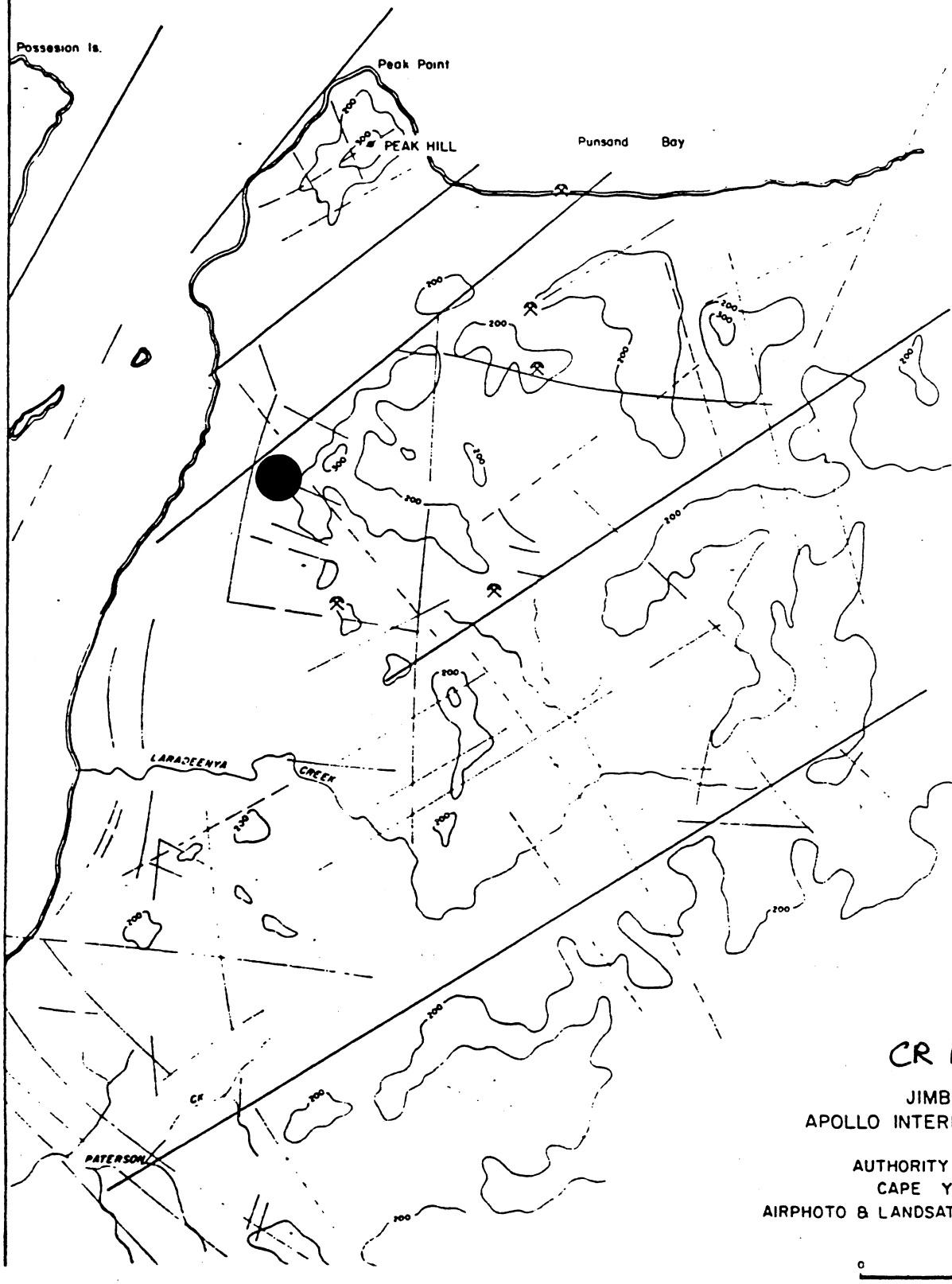
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS:

REMARKS....: #PR Graphite too patchy and unpure to be of commercial value. #GM Area comprisesof micaceous, hematite and graphite schists, gneises and quarzite of PE age. (Dargalong Metamorphics), intruded by late Devonian Reefs (late stage Kintore Adamellite).

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 4097);



CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

SCALE 1 50,000
0 1 2 3 km

DATA SHEET 150

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Maula Lode (Page 1 of 2) **REFERENCE NUMBER:570102A**

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 657000 mE, 8810200 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 4.8km S PEAK HILL
LOCALITY.....:

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrites (partly altered); welded tuffs.
HOST ROCK AGE : Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: JOINTS; Strike 060deg/Unknown dip. JOINTS; Strike 140deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Silicification, Other-see Remarks.

ORE MINERALOGY.

PRIMARY MINERALS : CST, (PY),(CPY),(ASPY).
SECONDARY MINERALS: LIM, JAR.
GANGUE .....: Q,(TOU),(FL).

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Vein mineralisation.

REMARKS....: #MNKnowm primary min. of potential economic interest is restricted to tin as CST. During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). #CMTin min. is assoc. with Q-veining, silicified joints and fractures and locally encrusts joints and fractures. Tin is fine grained (<1mm). Tin occurrances are confined to the rhyodacite units, which are highly sericitised, with or without clay alteration and occupy jointing and fractures parallel or complementary to the majoegional structural lineaments. Joint plans commonly horizontal. Means of introduction of tin min. uncertain. #GMSuggestion: Badu Granite may have intruded the acid volcanic pile, causing varying degrees of alteration and introd. Q, sulphides and CST (3)

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

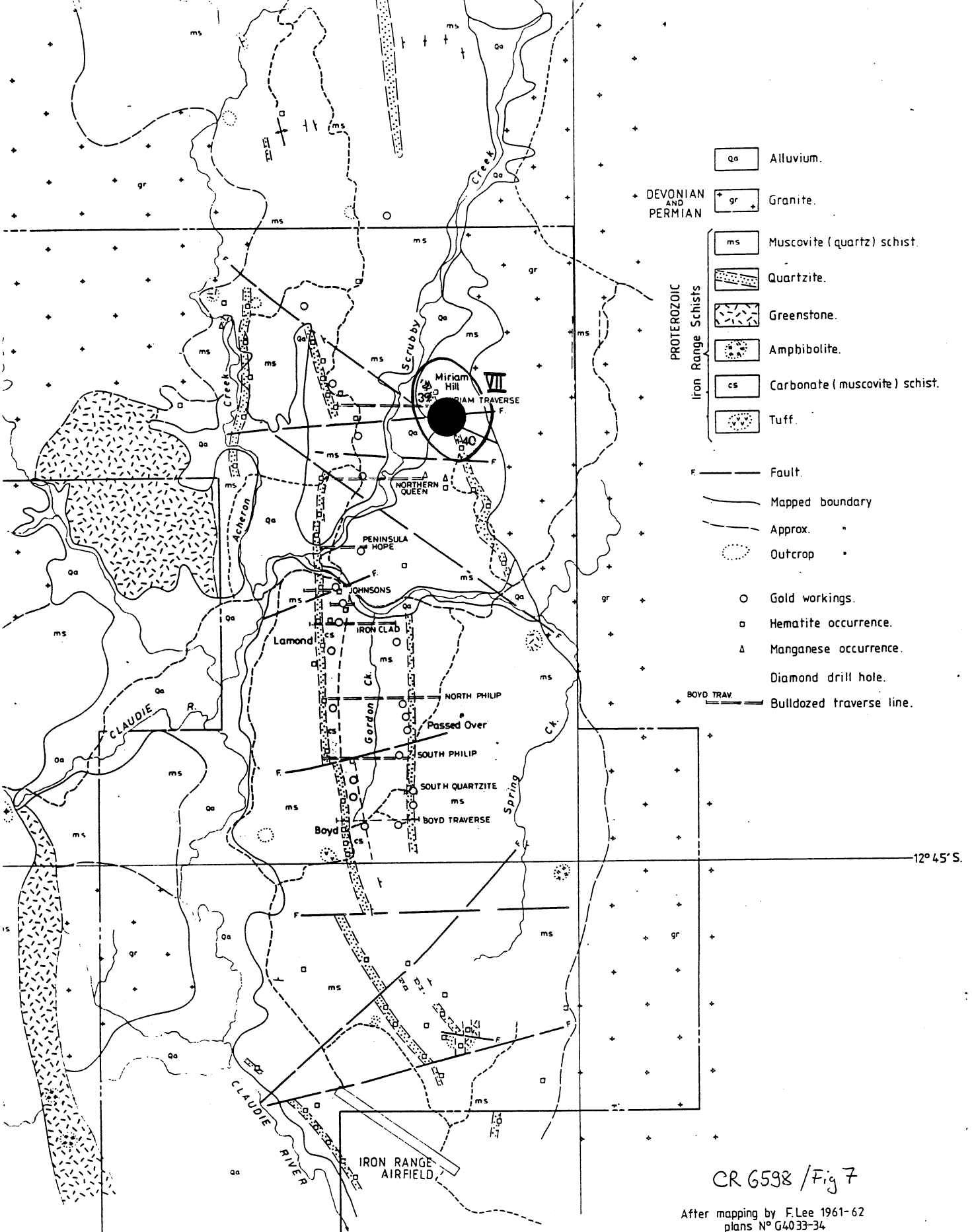
NAME(S).....: Maula Lode (Page 2 of 2) REFERENCE NUMBER:570102B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:
#ALSericite and Q-alteration are common to high and low tin geochemistry and are associated with any of chloritisation, topazisation, Q-veining and brecciation and minor JAR and/or LIM after sulphides. Less common products of alteration are EPD, CHL, Argillite and TPZ. Rocks here show very strong SER and Q-alteration with minor sulphides and occ. CHL alt. Recorded elevated levels of Cu,Zn, W and additionally Pb! (2). Alteration degrees: Fresh rhyolite-clay/SER-high SER-mod.SER-greisen alt. -Q-TPZ rock (3,p.5). Here the insitu attitudes of this occurrence are disturbed by the presence of coarse float and scree (1).

REFERENCES CONTINUED.:



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar		Date: 31-5-78	Centre: Melbourne
Traced: G.B.		Project No.:	Drawing No.: A2-1258
Checked:			

Revisions:

DATA SHEET 152

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Mirian Hill

REFERENCE NUMBER: 513952

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 751300 mE, 8595200 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ 100 m (Group VII)

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 10.0km N of Lockhart R. Airfie ld/ 3.6 km NE of Lamond Hill
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

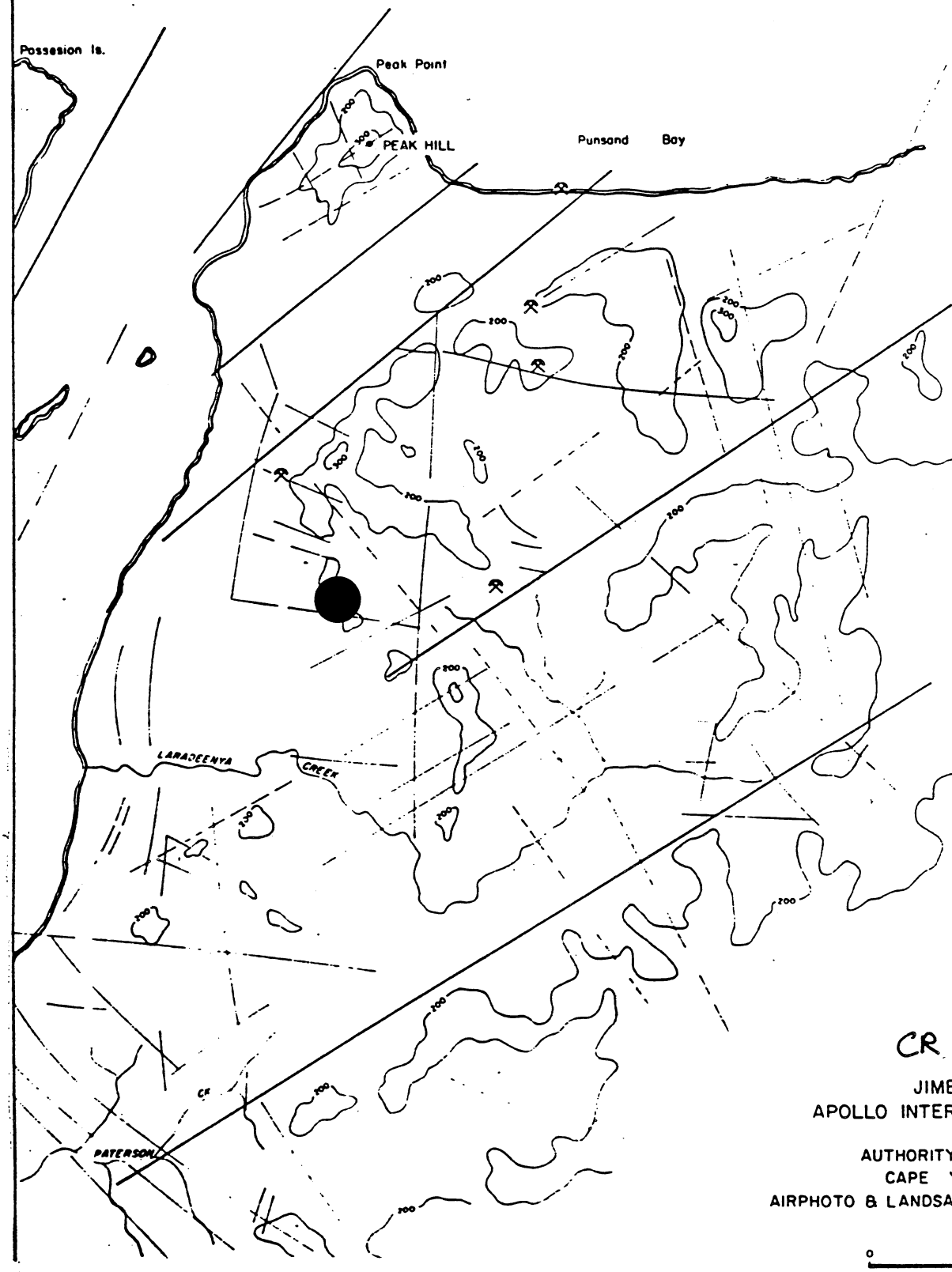
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (2) occurrences in a group circle around 1,2 kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 39. 751100/8596300 and 40. 751400/8595300.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

SCALE 1 50,000
0 1 2 3 Miles

DATA SHEET 153

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Moody Flat (Page 1 of 2)

REFERENCE NUMBER: 570096A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS: DEPTH: 1.5 m,
AMG GRID REFERENCE.: 657000 mE, 8809600 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: S PEAK HILL
LOCALITY.....: 3.6km N of Lockerbie/5.4km S P .H.
LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE:
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 1.5m max.vert.depth..

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, (ZR),(IM),(MT),(RUT).
SECONDARY MINERALS:
GANGUE .....: Q,TOU.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Alluvial deposits-placers with heavy minerals and ferruginous nodules and acid volcanic pebbles to boulders.

REMARKS....: #MSRecent residual and poor to moderately sorted transported sand and silt formations occupy drainage areas between the Palaeozoic acid volcanics. The sediments are composed of sands, clays, ferruginous nodules and acid volcanic pebbles to boulders. Of potential economic significance, the sands and gravels contain the heavy mineral IM, ZR, RUT, CST + TOU as concentrated products of weathered volcanics and associated min.. The sediments range in depth from negligible to in excess of 25 m (S of Laradenya Creek). At each location the sands are known to carry CST (1). The alluvials occupy the low ground within and adjacent to BOOTY and MAULA Cr. with h.min. concentration resulting from the weathering of neighboring rhyolites and prim. tin occurrances.

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

NAME(S).....: Moody Flat (Page 2 of 2)

REFERENCE NUMBER:570096B

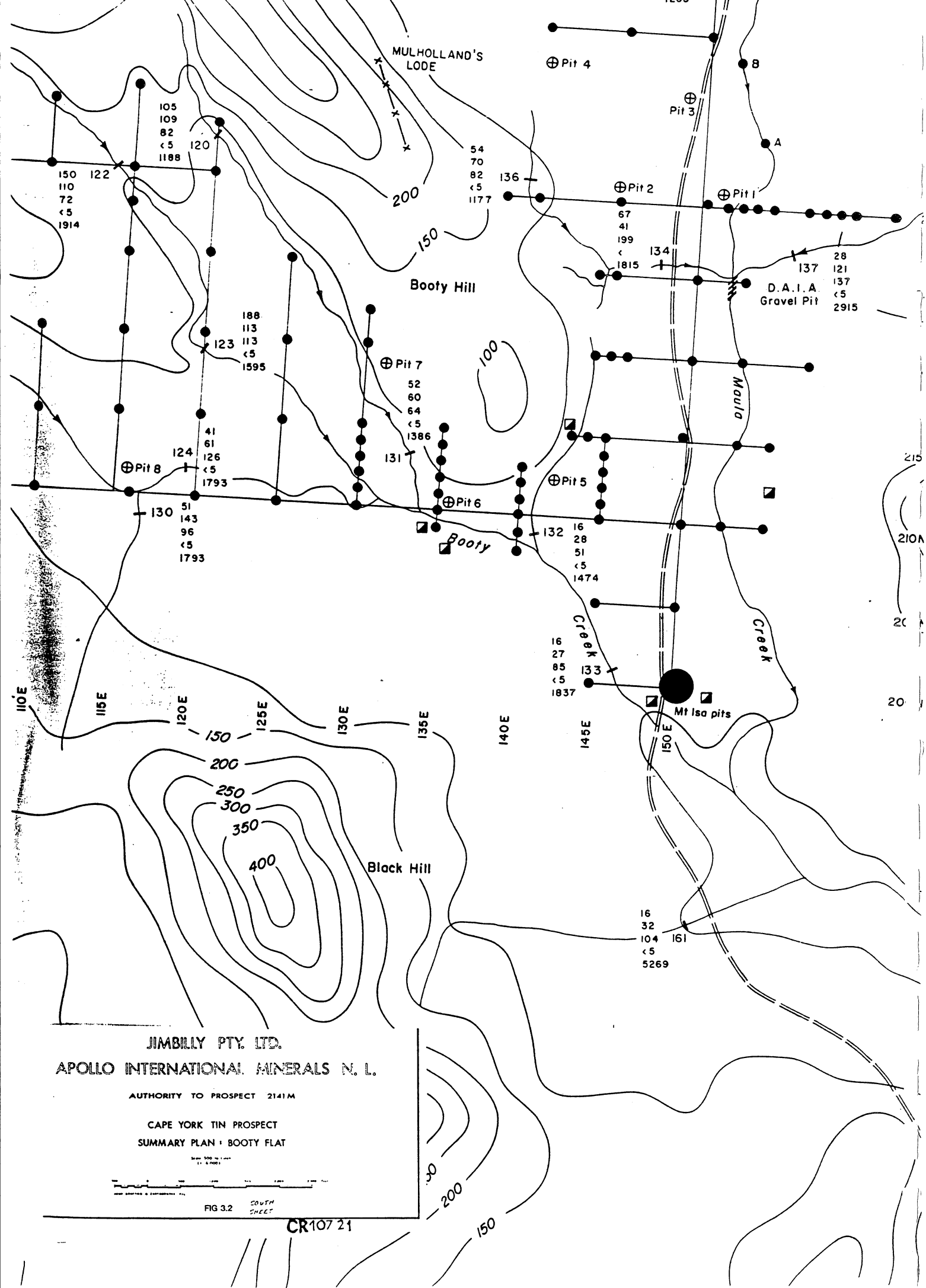
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MSDepth to basement contours = uneven with local infilled gullys and gutters. Alluvial depths range from 1-7 m (average 2.3m). Tin is present over the full vertical alluvial profile (discounts presence of "overburden"). Lateral sampling demonstrates higher tin grades within today creeks as a result of reconcentration within the drainage system (1,2). During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). MOODY and FENCE FLATS only locally exceed a depth of alluvial sedimentation of 1.5m (1).

REFERENCES CONTINUED.:


MULHOLLAND'S LODE
Pit 4
Pit 3
Pit 2
Pit 1
Booty Hill
D.A.I.A. Gravel Pit
Pit 7
Pit 8
Pit 6
Pit 5
Booty
Mt Isa pits
Black Hill
Mould Creek
Creek
105 109 82 <5 1188
120
150 110 72 <5 1914
122
54 70 82 <5 1177
136
67 41 199 < 1815
134
137
28 121 137 <5 2915
188 113 113 <5 1595
123
52 60 64 <5 1386
131
41 61 126 <5 1793
124
51 143 96 <5 1793
130
16 28 51 <5 1474
132
16 27 85 <5 1837
133
16 32 104 <5 5269
161
200
150
100
250
300
350
400
110E
115E
120E
125E
130E
135E
140E
145E
150E
JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS N. L.
AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
SUMMARY PLAN : BOOTY FLAT
FIG 3.2 SOUTH SHEET
CR10721

DATA SHEET 155

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Mt. Isa (Page 1 of 2)

REFERENCE NUMBER: 591094A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS: DEPTH: 7.0 m,
AMG GRID REFERENCE.: 659100 mE, 8809400 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SSE PEAK HILL
LOCALITY.....: 2.6km N of Lockerbie

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE:
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 7.0m max.vert.depth..

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, (ZR),(IM),(MT),(RUT).
SECONDARY MINERALS:
GANGUE .....: Q,TOU.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Alluvial deposits-placers with heavy minerals and ferruginous nodules and acid volcanic pebbles to boulders.

REMARKS....: #MSRecent residual and poor to moderately sorted transported sand and silt formations occupy drainage areas between the Palaeozoic acid volcanics. The sediments are composed of sands, clays, ferruginous nodules and acid volcanic pebbles to boulders. Of potential economic significance, the sands and gravels contain the heavy mineral IM, ZR, RUT, CST + TOU as concentrated products of weathered volcanics and associated min.. The sediments range in depth from negligible to in excess of 25 m (S of Laradenya Creek). At each location the sands are known to carry CST (1). The alluvials occupy the low ground within and adjacent to BOOTY and MAULA Cr. with h.min. concentration resulting from the weathering of neighboring rhyolites and prim. tin occurrances.

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

NAME(S).....: Mt. Isa (Page 2 of 2)

REFERENCE NUMBER:591094B

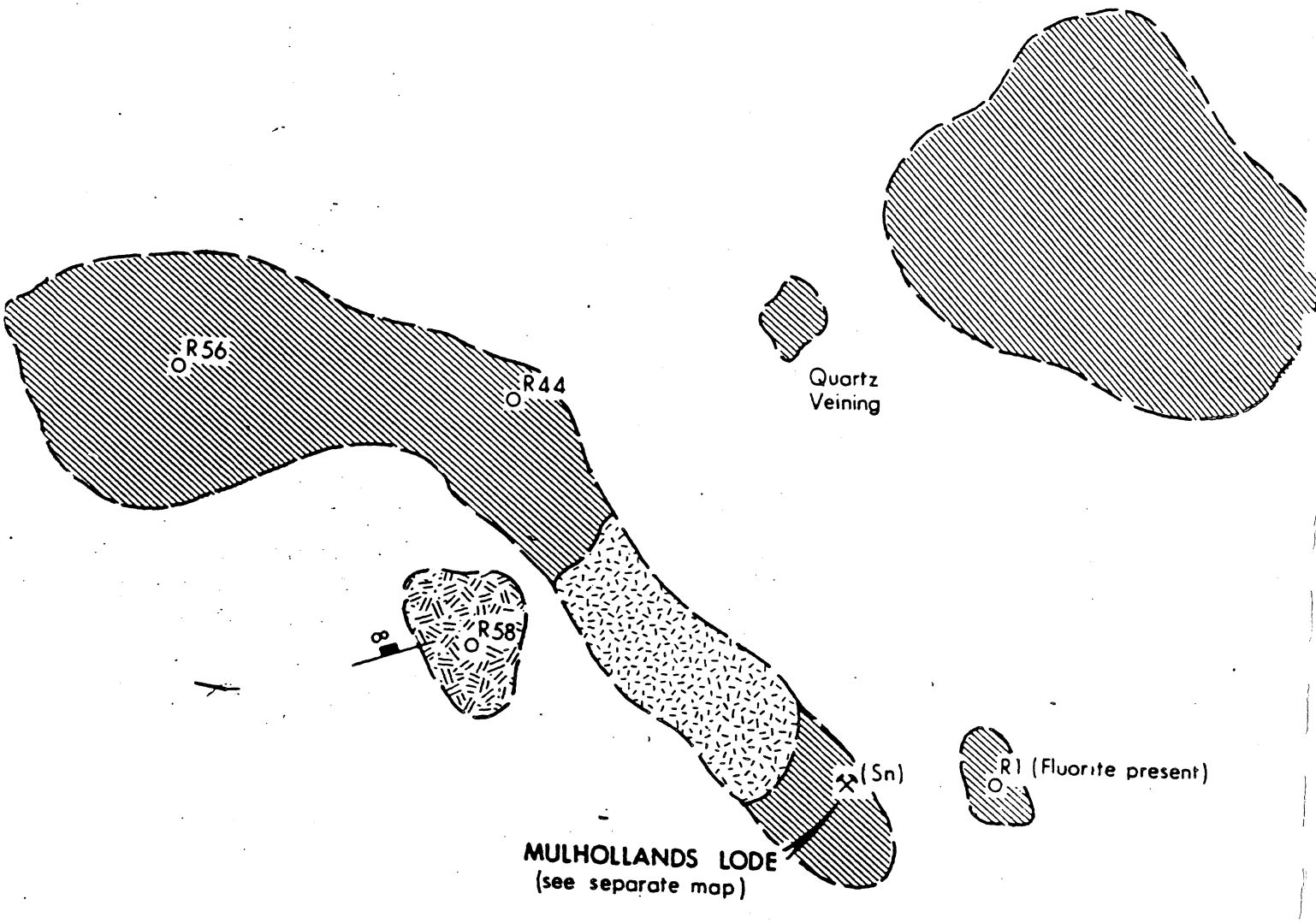
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MSDepth to basement contours = uneven with local infilled gullys and gutters. Alluvial depths range from 1-7 m (average 2.3m). Tin is present over the full vertical alluvial profile (discounts presence of "overburden"). Lateral sampling demonstrates higher tin grades within today creeks as a result of reconcentration within the drainage system (1,2). During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1).

REFERENCES CONTINUED.:



JIMBILLY PTY. LTD.
and
APOLLO INTERNATIONAL MINERALS N.L.

Authority to Prospect 2141M, Queensland

GEOLOGICAL MAP and PETROGRAPHIC SAMPLE LOCATIONS

SCALE

0 500 1000 1500 2000 ft

1:6,000 (1" = 500 ft)

DRAFTING EXPLORATION DRAFTING & FIELD SERVICES DATE OCTOBER, 1981

10721

FIG 4 SHEET 2

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Mullhollands Lode (Page 1 of 2) **REFERENCE NUMBER: 583109A**

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS: DEPTH: 7.0 m,
AMG GRID REFERENCE.: 658300 mE, 8810950 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 4.1km SSE PEAK HILL
LOCALITY.....: 2.0km WNW of Point 136

LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrites (partly altered); welded tuffs.
HOST ROCK AGE : MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 7.0m max.vert.depth.. JOINTS; Strike 060deg/Unknown dip. JOINTS; Strike 140deg/Unknown dip.
FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

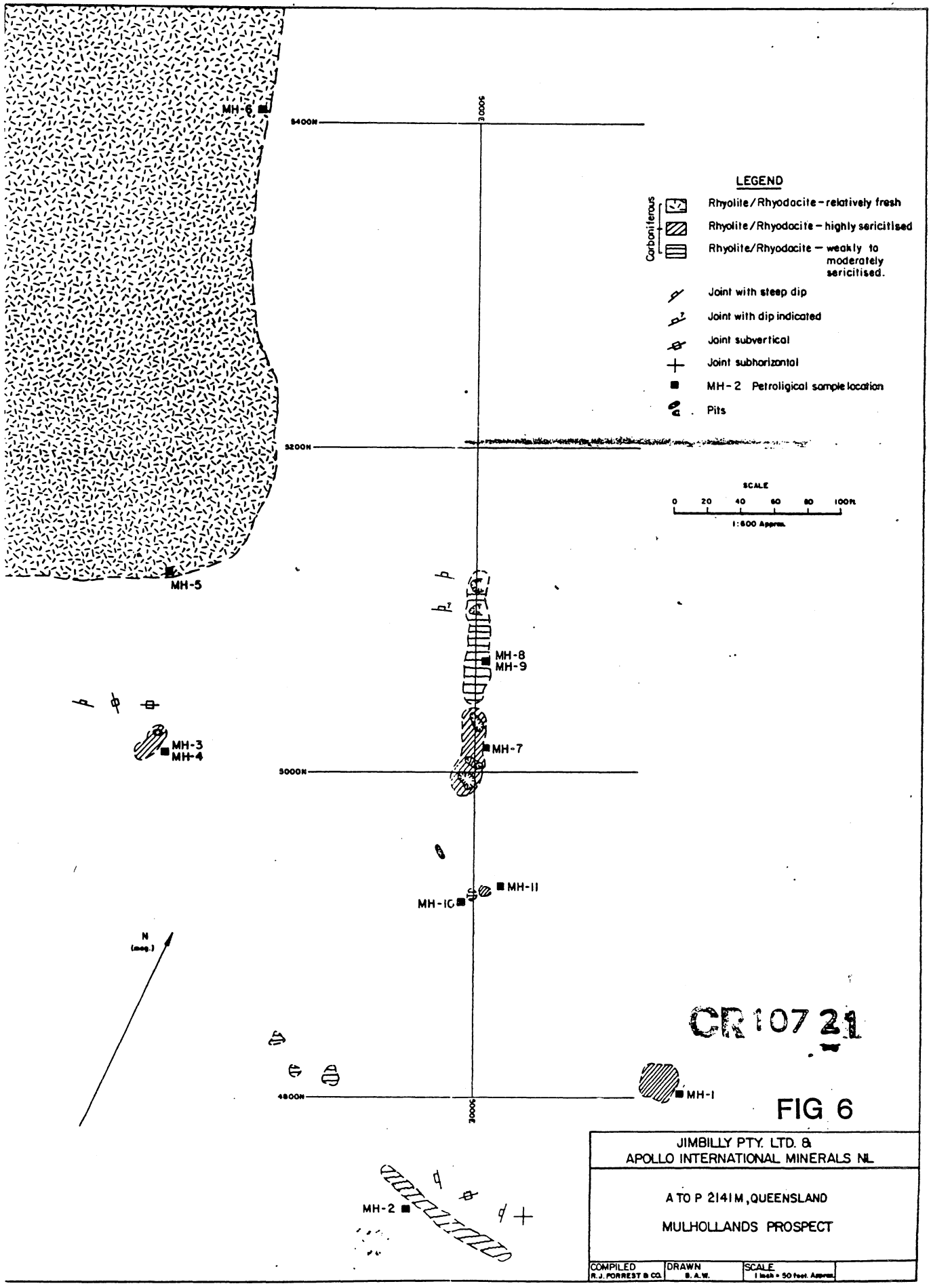
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Silicification, Other-see Remarks.

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : CST, (PY),(CPY),(ASPY).
SECONDARY MINERALS: LIM, JAR.
GANGUE .....: Q,(TOU),(FL). **ORE GRAIN SIZE..:** Fine

ORE GENESIS: Vein mineralisation.

REMARKS....: #MNKnowm primary min. of potential economic interest is restricted to tin as CST. During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). #CMTin min. is assoc. with Q-veining, silicified joints and fractures and locally encrusts joints and fractures. Tin is fine grained (<1mm). Tin occurrances are confined to the rhyodacite units, which are highly sericitised, with or without clay alteration and occupy jointing and fractures parallel or complementary to the majorregional structural lineaments. Joint plans commonly horizontal. Means of introduction of tin min. uncertain. #GMSuggestion: Badu Granite may have intruded the acid volcanic pile, causing varying degrees of alteration and introd. Q, sulphides and CST (3)

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;



CR 10721

FIG 6

JIMBILLY PTY. LTD. &
APOLLO INTERNATIONAL MINERALS NL

A TO P 2141M, QUEENSLAND

MULHOLLANDS PROSPECT

COMPILED	DRAWN	SCALE
R.J. FORREST & CO.	B. A.W.	1 Inch = 50 feet Approx.

NAME(S).....: Mullhollands Lode (Page 2 of 2)

REFERENCE NUMBER:583109B

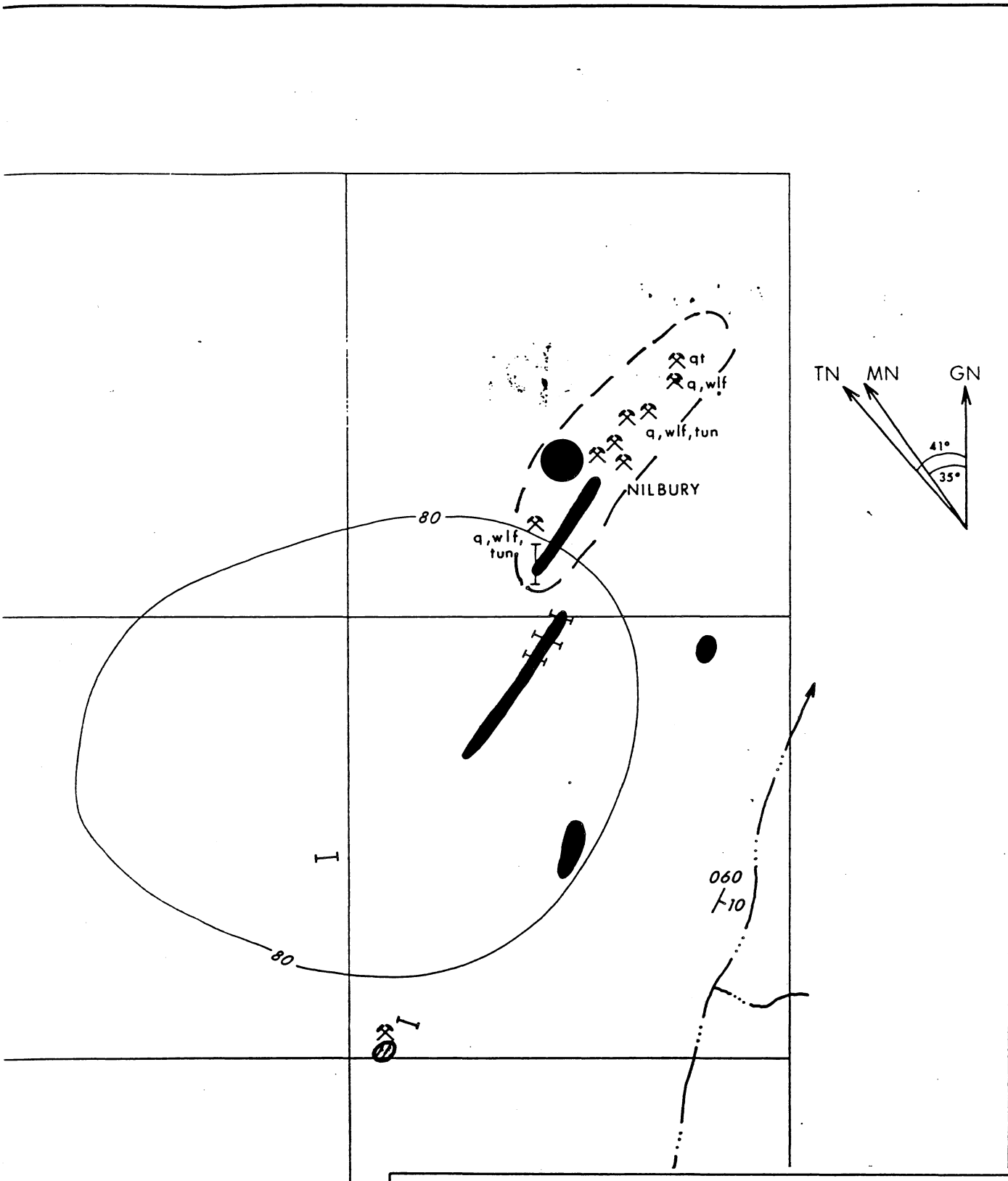
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#ALSericite and Q-alteration are common to high and low tin geochemistry and are associated with any of chloritisation, topazisation, Q-veining and brecciation and minor JAR and/or LIM after sulphides. Less common products of alteration are EPD, CHL, Argillite and TPZ. Rocks here show very strong SER and Q-alteration with minor sulphides and occ. CHL alt. Recorded elevated levels of Cu,Zn, W and additionally Pb! (2). #M1Elluvial tin present down slope from Mullhollands Lode (6). #ALAlteration degrees: Fresh rhyolite-clay/SER-high SER-mod.SER-greisen alt.-Q-TPZ rock.(3,p.5).

REFERENCES CONTINUED.:



INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION
BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R.Meates	DRAWN : D. Haines DATE : April, 1980.	SCALE : 1: 2500	PLATE B2

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Nilburg Group (Page 1 of 2)

REFERENCE NUMBER: 192821A

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 719250 mE, 8582100 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN

GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 7.1 km SW of M ount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 3 00m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916, 1952
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):7.0t W, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-; CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS:.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Q-reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock

REMARKS....: #GMQ-reefs formed by forceful injection into, and particial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by Q-veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). One major reef system in outcrop. Overall dip 7 to SE and it accounts for all worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min.; forms halo to this min. system in the overlying rocks (2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wall rocks around the min.

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);

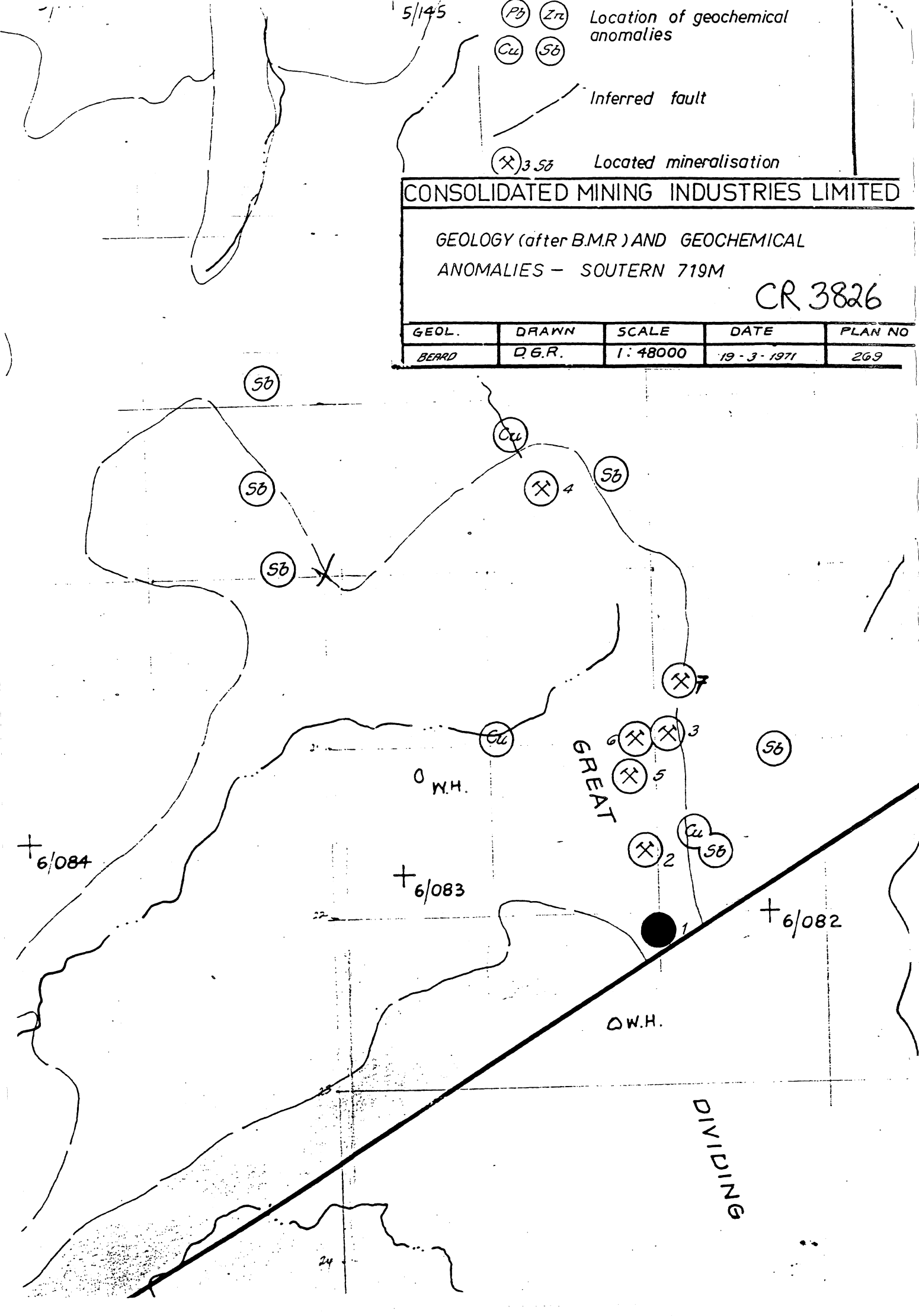
NAME(S).....: Nilburg Group (Page 2 of 2) REFERENCE NUMBER:1928218

MINERAL EXPLORATION CONTINUED.:
UTAH DEVELOPMENT Co EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-;
CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

ORE GENESIS CONTINUED.:
WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE.
Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:
#ALQ-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in a strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to the contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with strike and dip of the schists (few occupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil Geo: W (<5-1200 ppm) anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosity or discordant. Reefs are lensic (swell from nothing to several m.) (1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (average thickness: 1 to 1.5 m). Rock chip: 9 reefs anomalous in W: averaging at 0.22%W. 4 reefs aver. at 0.51%W (Range 0.41-0.56% W)(8). #DDNILBURG G: NE of Bowden. Workings along a lode extending over 30m. A shaft sunk to strike the lode at 10m (7).

REFERENCES CONTINUED.:


5/145
Pb
Zn
Cu
Sb
Location of geochemical anomalies
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. BEARD
DRAWN D.G.R.
SCALE 1:48000
DATE 19-3-1971
PLAN NO 269
Sb
Cu
4
7
6
3
5
2
1
GREAT
O W.H.
O W.H.
6/084
6/083
6/082
DIVIDING
22
25
24

DATA SHEET 161

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: No.1 REFERENCE NUMBER:DD

COMMODITIES ....: ANTIMONY,SILVER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.:
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 8km NNE of Killarney Homestead
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS:
GANGUE .....: Q.

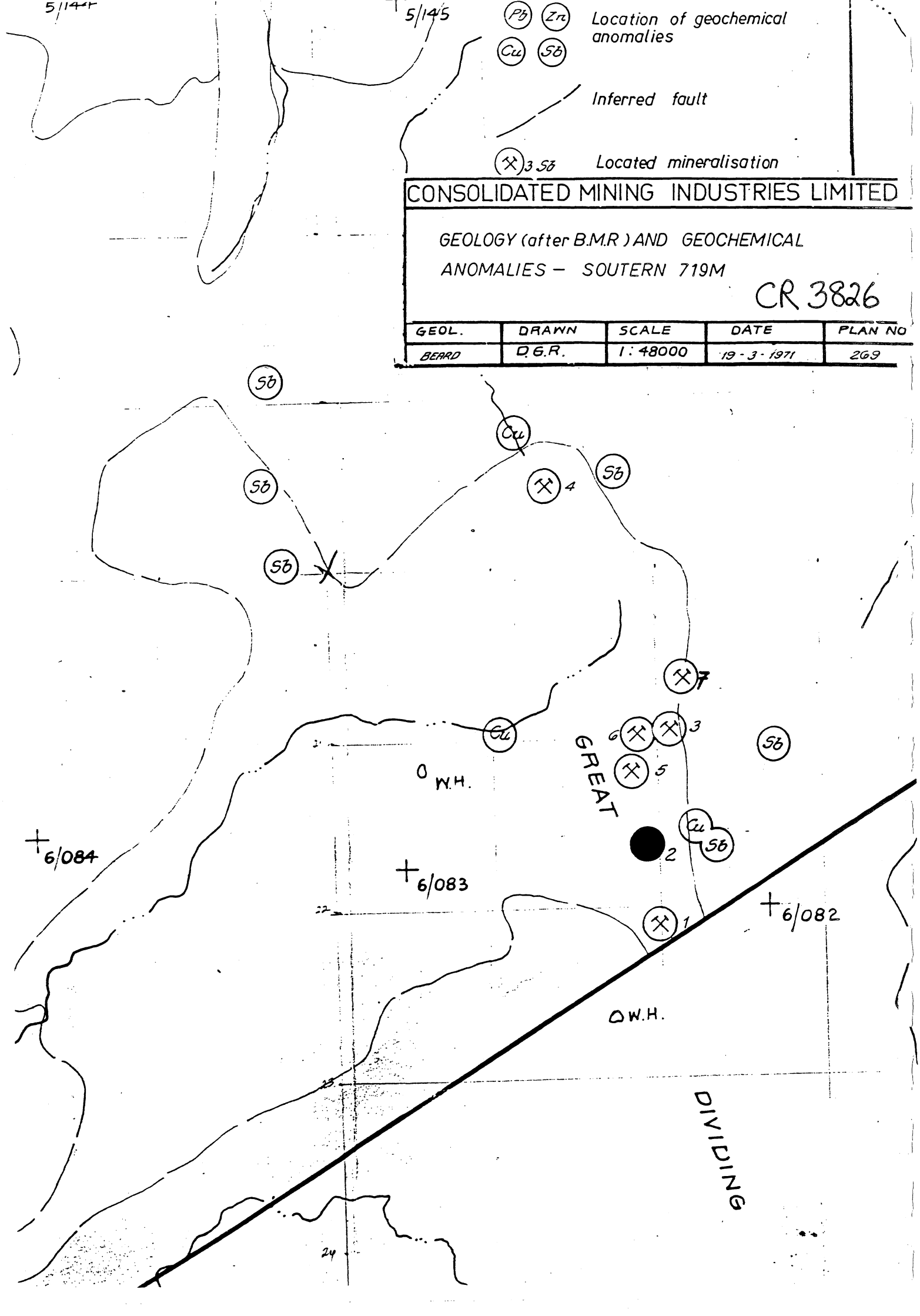
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS:

REMARKS....:

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);


5/144
5/145
Pb Zn
Cu Sb
Location of geochemical anomalies
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. BEARD
DRAWN D.G.R.
SCALE 1:48000
DATE 19-3-1971
PLAN NO 269
Sb
Cu
4
7
6
3
5
2
1
GREAT
O W.H.
O W.H.
DIVIDING
6/084
6/083
6/082
22
23
24

DATA SHEET 162

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: No.2 REFERENCE NUMBER:719004

COMMODITIES ....: ANTIMONY,SILVER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 771900 mE, 8300400 mN.
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 8.4km NNE of Killarney Homestead.
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 21.0m av.long x 0.6m av.wide . OREBODY; Strike 000deg/Unknown dip.

FORM/TYPE .....: Veins, Breccia-fill.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS:
GANGUE .....: Q.

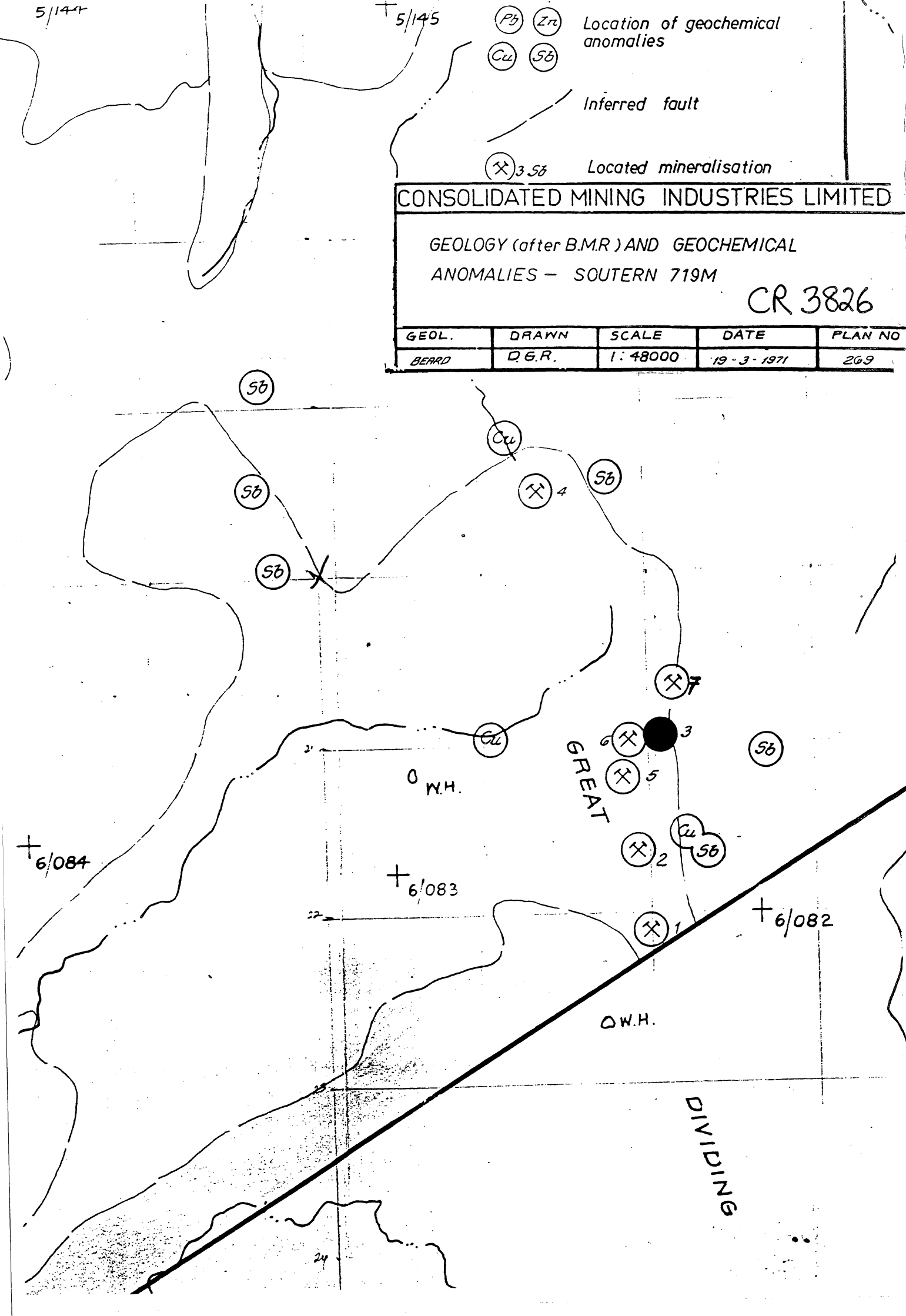
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS:

REMARKS....: #MS Lode is truncated at both ends by faulting.

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);


5/144
5/145
Pb
Zn
Cu
Sb
Location of geochemical anomalies
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. | DRAWN | SCALE | DATE | PLAN NO
BEARD | D.G.R. | 1:48000 | 19-3-1971 | 269
Sb
Cu
4
7
6
3
5
2
1
GREAT
O W.H.
6/084
6/083
6/082
DIVIDING

DATA SHEET 163

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: No.3 REFERENCE NUMBER:720015

COMMODITIES ....: ANTIMONY,SILVER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 772000 mE, 8301500 mN.
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 9.5km NNE of Killarney Homestead.
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 30.0m av.long x 0.3m av.wide . OREBODY; Strike 000deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS: STBC, VAL
GANGUE .....: Q.

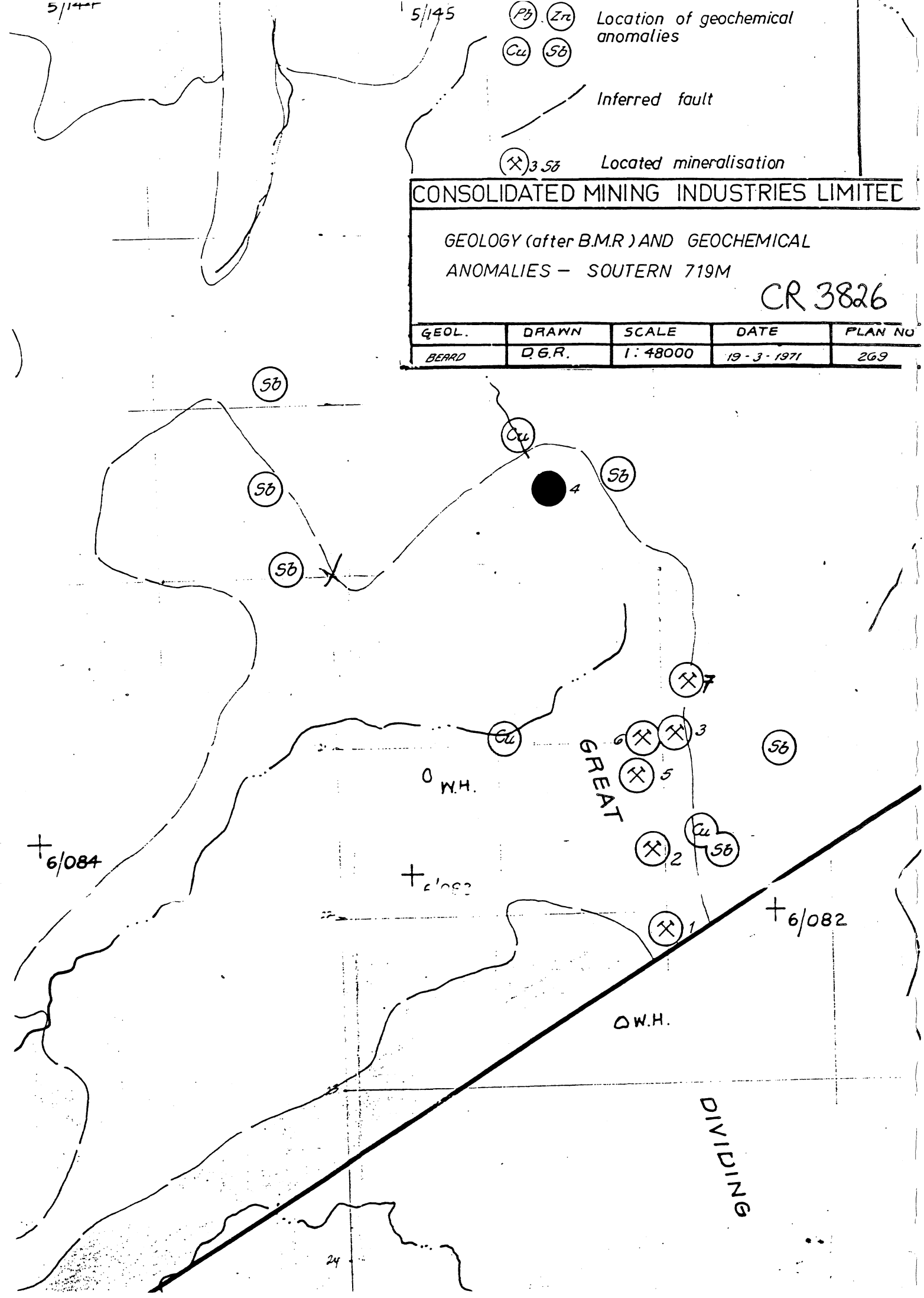
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS:

REMARKS....:

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);


5/145
Pb Zn
Cu Sb
Location of geochemical anomalies
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. BEARD
DRAWN D.G.R.
SCALE 1:48000
DATE 19-3-1971
PLAN NO 269
Sb
Cu
4
7
6
3
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2
1
GREAT
O W.H.
6/084
6/082
DIVIDING
24

DATA SHEET 164

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
- MINERAL OCCURRENCE DATA SHEET

NAME(S).....: No.4 REFERENCE NUMBER:708042

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 770800 mE, 8304200 mN.
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 11.5km NNE of Killarney Homestead.
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 15.0m av.long x 0.1m av.wide .

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS: STBC
GANGUE .....: Q.

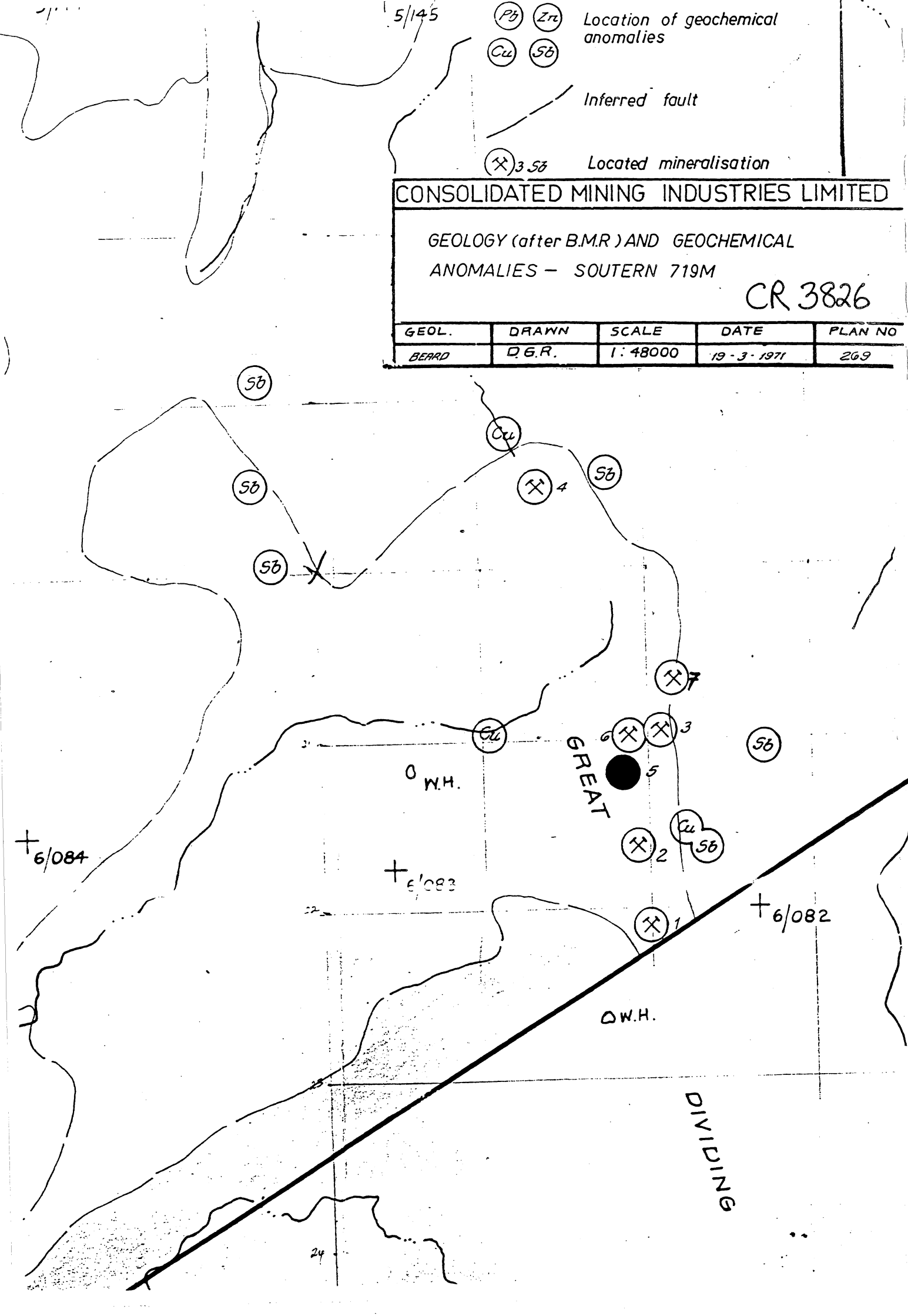
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS:

REMARKS....:

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);


5/145
Pb
Zn
Location of geochemical anomalies
Cu
Sb
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. | DRAWN | SCALE | DATE | PLAN NO
BEARD | D.G.R. | 1:48000 | 19-3-1971 | 269
Sb
Cu
4
7
6
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5
2
1
GREAT
O W.H.
6/084
6/083
6/082
O W.H.
DIVIDING
22
25
24

DATA SHEET 165

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: No.5 **REFERENCE NUMBER:** 717012

COMMODITIES ....: ANTIMONY,SILVER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 771700 mE, 8301200 mN.
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 9km NNE of Killarney Homestead
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Disseminated.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB, PY
SECONDARY MINERALS: HEM, LIM
GANGUE .....: Q.

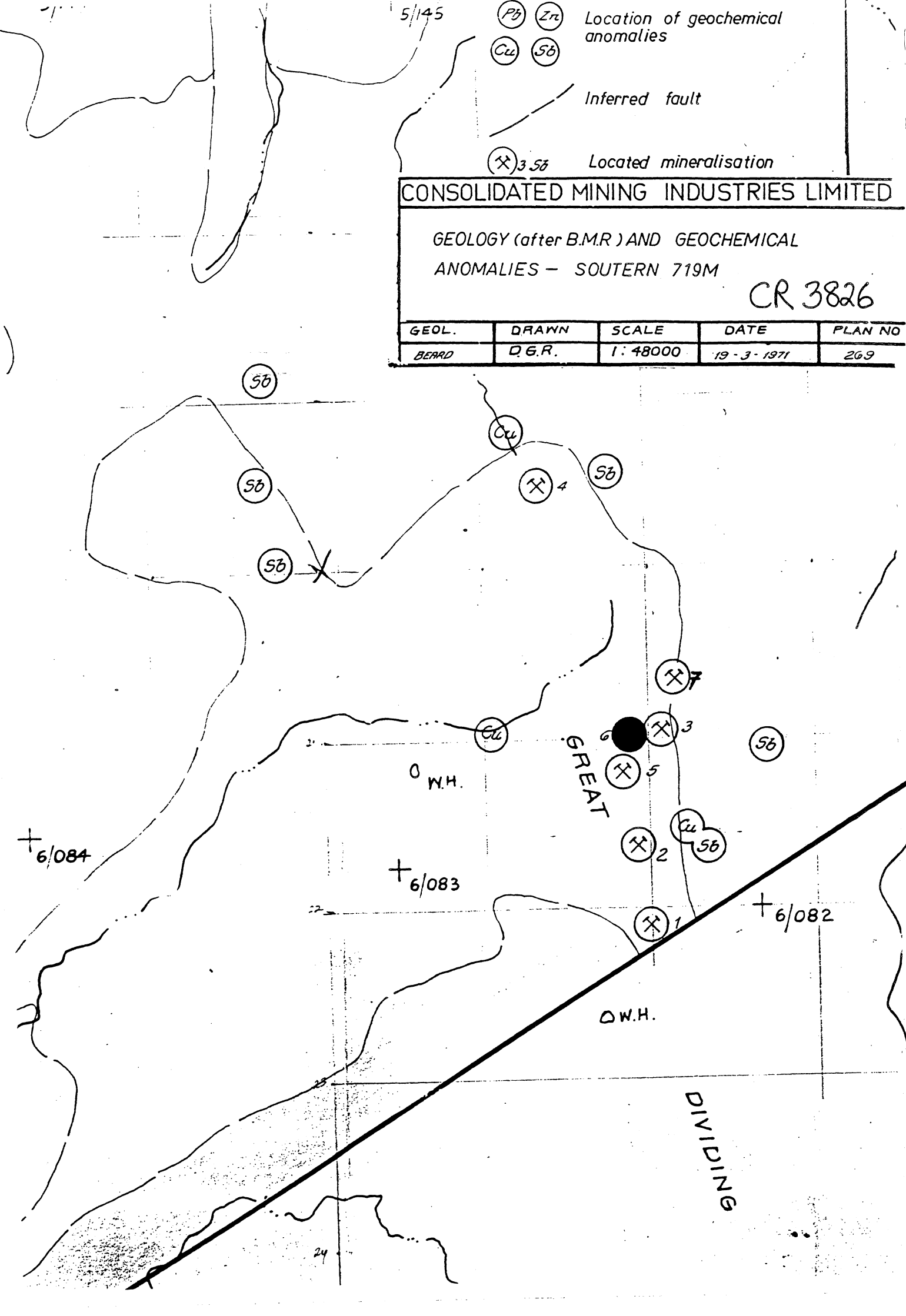
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Coarse

ORE GENESIS:

REMARKS....:

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);


5/145
Pb
Zn
Cu
Sb
Location of geochemical anomalies
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. | DRAWN | SCALE | DATE | PLAN NO
BEARD | D.G.R. | 1:48000 | 19-3-1971 | 269
Sb
Cu
4
7
6
3
5
2
1
W.H.
GREAT
6/084
6/083
6/082
W.H.
DIVIDING
24

DATA SHEET 166

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: No.6 **REFERENCE NUMBER:717016**

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 771700 mE, 8301600 mN.
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 9.5km NNE of Killarney Homestead.
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian
MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 90.0m av.long x 0.3m av.wide . OREBODY; Strike 160deg/Unknown dip.

FORM/TYPE .....: Veins, Disseminated.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS:
GANGUE .....: Q.

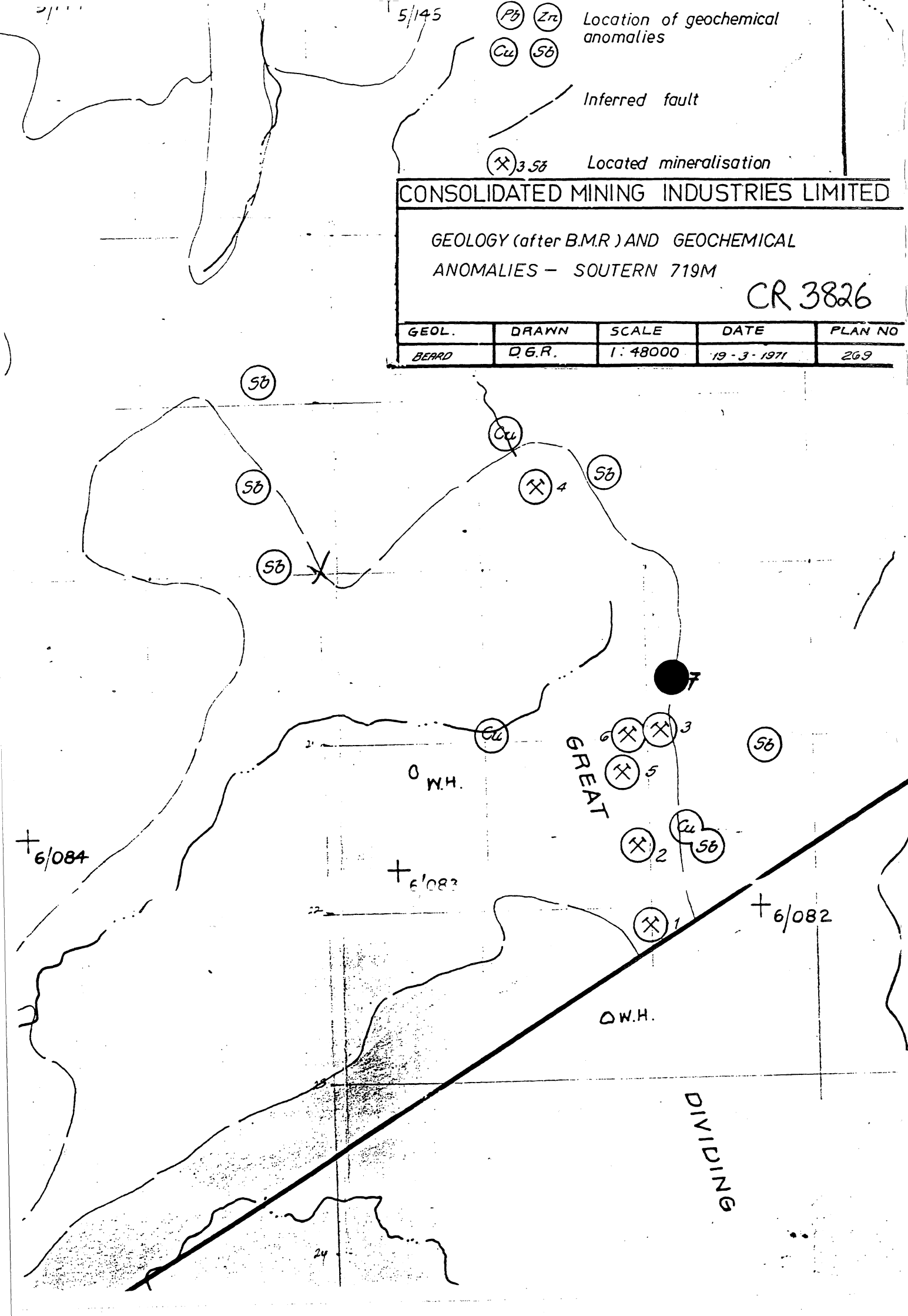
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....:

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);


5/145
Pb
Zn
Cu
Sb
Location of geochemical anomalies
Inferred fault
3 Sb
Located mineralisation
CONSOLIDATED MINING INDUSTRIES LIMITED
GEOLOGY (after B.M.R.) AND GEOCHEMICAL ANOMALIES – SOUTERN 719M
CR 3826
GEOL. | DRAWN | SCALE | DATE | PLAN NO
BEARD | D.G.R. | 1:48000 | 19-3-1971 | 269
Sb
Cu
4
7
6
3
5
2
1
W.H.
GREAT
6/084
6/083
6/082
W.H.
DIVIDING
24

DATA SHEET 167

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET -

NAME(S).....: No.7 REFERENCE NUMBER:721019

COMMODITIES ....: ANTIMONY,SILVER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG/DSW 25/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 772100 mE, 8301900 mN.
AMG SOURCE/ACCURACY: CR 3826/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....: 10km NNE of Killarney Homestead.
LOCALITY ACC.: CR 3826/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 719M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss, schist
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 90.0m av.long x 0.5m av.wide . OREBODY; Strike 000deg/Unknown dip.

FORM/TYPE .....: Veins, Disseminated.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS:
GANGUE .....: Q.

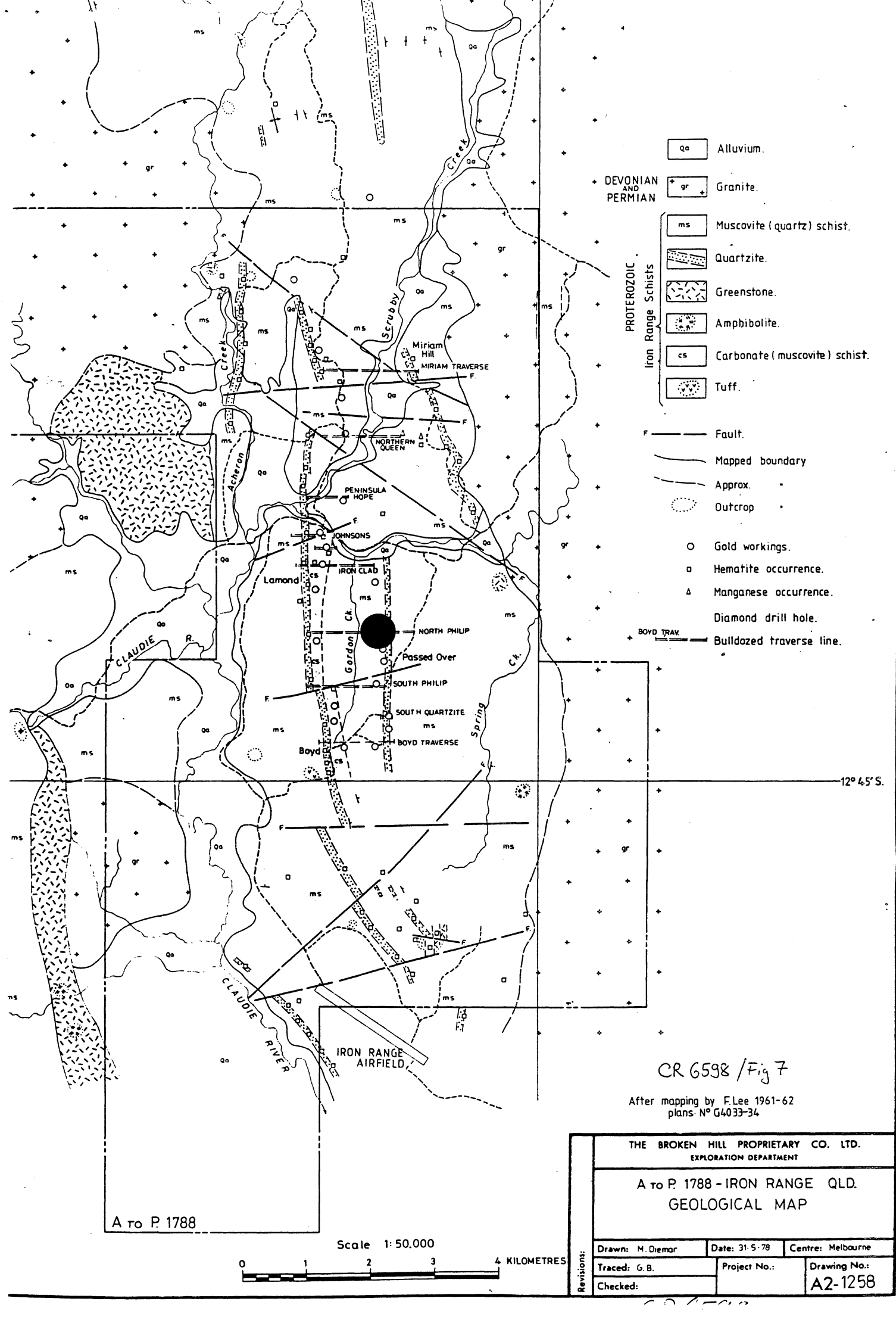
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....:

REFERENCES.: KIMBA MINING PTY LTD(1970, QDRI unpublished company report CR 3826);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne	
Traced: G.B.	Project No.:	Drawing No.: A2-1258	
Checked:			

Revisions:

DATA SHEET 168

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: North Phillip **REFERENCE NUMBER: 507917**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750750 mE, 8591700 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.8km ENE of Phillip Hill (No. 13 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite quartzite schist.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

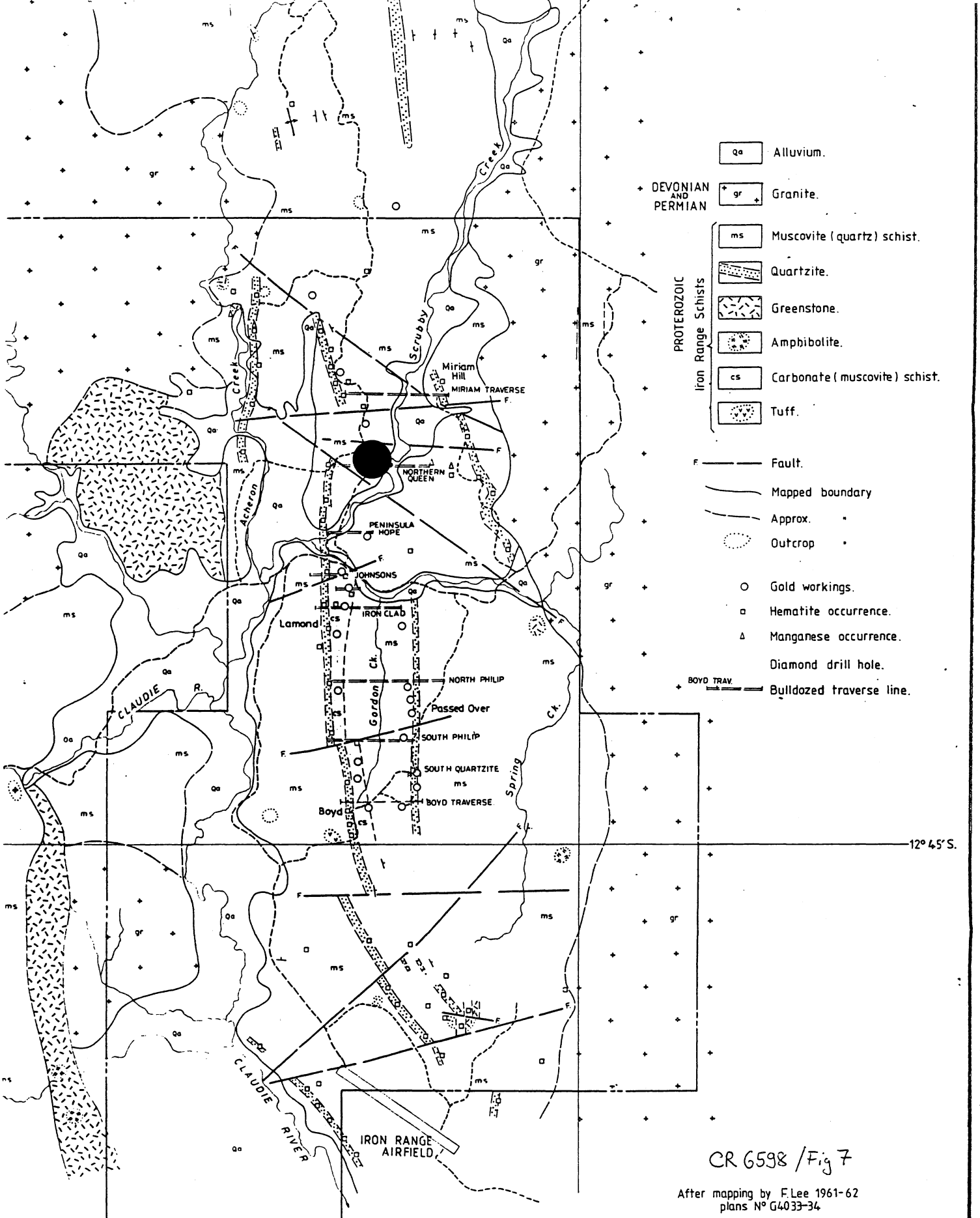
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:** Banded.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #DDA very uncertain locality mark is also shown on the soil sample map of the CRA CR 4778 (X); no further information (4).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961); CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 169

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: North Queen(Northern) REFERENCE NUMBER:499949

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Underground, 2 Pit(s), 2 Shaft(s), 6 Trench(es), Adit(s).
EXTENT OF WORKINGS: LENGTH: ~ 30 m, WIDTH: ~ 10.0 m, DEPTH: ~ m
AMG GRID REFERENCE.: 749900 mE, 8594950 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m
MINING TENURE.....: (ML 487)

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER
GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.7km NNE of Lammond Hill (No. 5 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1934-1942
TOTAL PRODUCTION (ORE) : 17100t ,
TOTAL PRODUCTION (METAL):333.1kg Au, (ENERGEX PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.; CONSOLIDATED MINING IND LTD; AP 511M; 1971; no detail imf.; ENERGEX PTY LTD; AP 2426M; 1981; BCFEIabdefgqu, 0, BIF;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite carbonate/ muskovite quartzite schist.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 5.0m max.wide x 10.0m max.vert.depth.. OREBODY; Strike 000deg/70deg dip to 090deg. BEDDING; Strike 000deg/65deg dip to 090deg. STRIKE FAULT; Strike 000deg/70deg
FORM/TYPE .....: Stratabound, Veins.
STRUCTURAL AFFILIATIONS..... : Fold hinge, Fold limb.

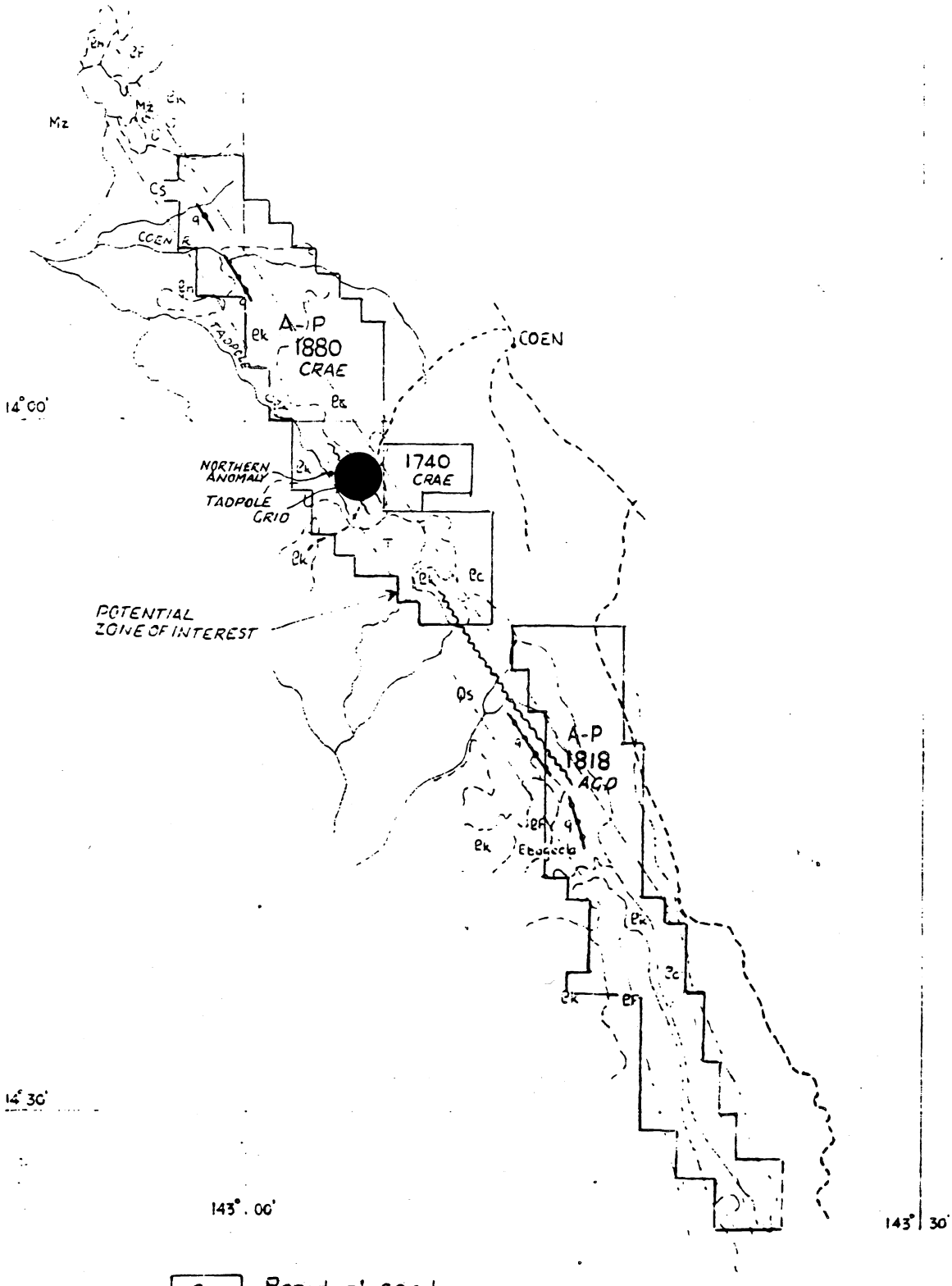
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:** Banded.
PRIMARY MINERALS : HEM,MT,(AU), MN,LIM.
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB). **ORE GRAIN SIZE..:**

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #M1Methods of working: Several costeans (1-4), mainly trenches and pits worked; between C1 and C2, 2 "open cuts" (=pits) and several shafts; between C3-C4 old prospecting trenches. 1 adit at C1 (1,Fig. 5). #PRAu-values were obtained on the N.Q.traverse (East-West) of 6.4 g/t over 25 m (1,Fig.5,p.5). 11.4 g/t over 5 m; 5.7 g/t over 10.5 m with a best section of 9.3 g/t over 5 m (1,p.6). #M1C1 shows between 10 and 20 g/t; C2 shows max 3 g/t; C3 shows betw. 2 and 18 g/t and C4 shows max 2 g/t (All values from rock chip samples). #CMView of North Wall - Costean 2: Heavily mineralized section with associated strike fault (5,Fig.5).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961); CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 4213);ENERGEX PTY LTD(1981, QDRI unpublished company report CR 10822);


COEN
A-P
1880
CRAE
1740
CRAE
A-P
1818
AGD
NORTHERN
ANOMALY
TADPOLE
GRID
TADPOLE
POTENTIAL
ZONE OF INTEREST
COEN
14° 00'
14° 30'
143° 00'
143° 30'
Mz
Cs
Qs
Pk
Pc
Pf
Ek
Ef
Pk
Ek
Ek
Pk
Pk
Pk

DATA SHEET 170

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Northern Anomaly-Tadpole Grid (Page 1 of 2) **REFERENCE NUMBER:244466A**

COMMODITIES ....: URANIUM,GOLD
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 31/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 724400 mE, 8446600 mN.
AMG SOURCE/ACCURACY: CR 7182/ 300m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: COEN

GENERAL AREA.: CRA Hill, E of Tadpole Creek
LOCALITY.....: 1.5 km SW of Point 281.

LOCALITY ACC.: CR 7182/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 1880M; 1978; AB, 0, -;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: shear zone schists.
HOST ROCK AGE : Devonian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 1300.0m max.long x 2.5m max.wide . SHEAR/OREBODY; Strike 140deg/80deg dip to 050 deg.
FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear, Schistosity.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU, (URANINITE?).
SECONDARY MINERALS: METATORBERNITE, (AUTUNITE?), (CARNOTITE?).
GANGUE .....: Q.

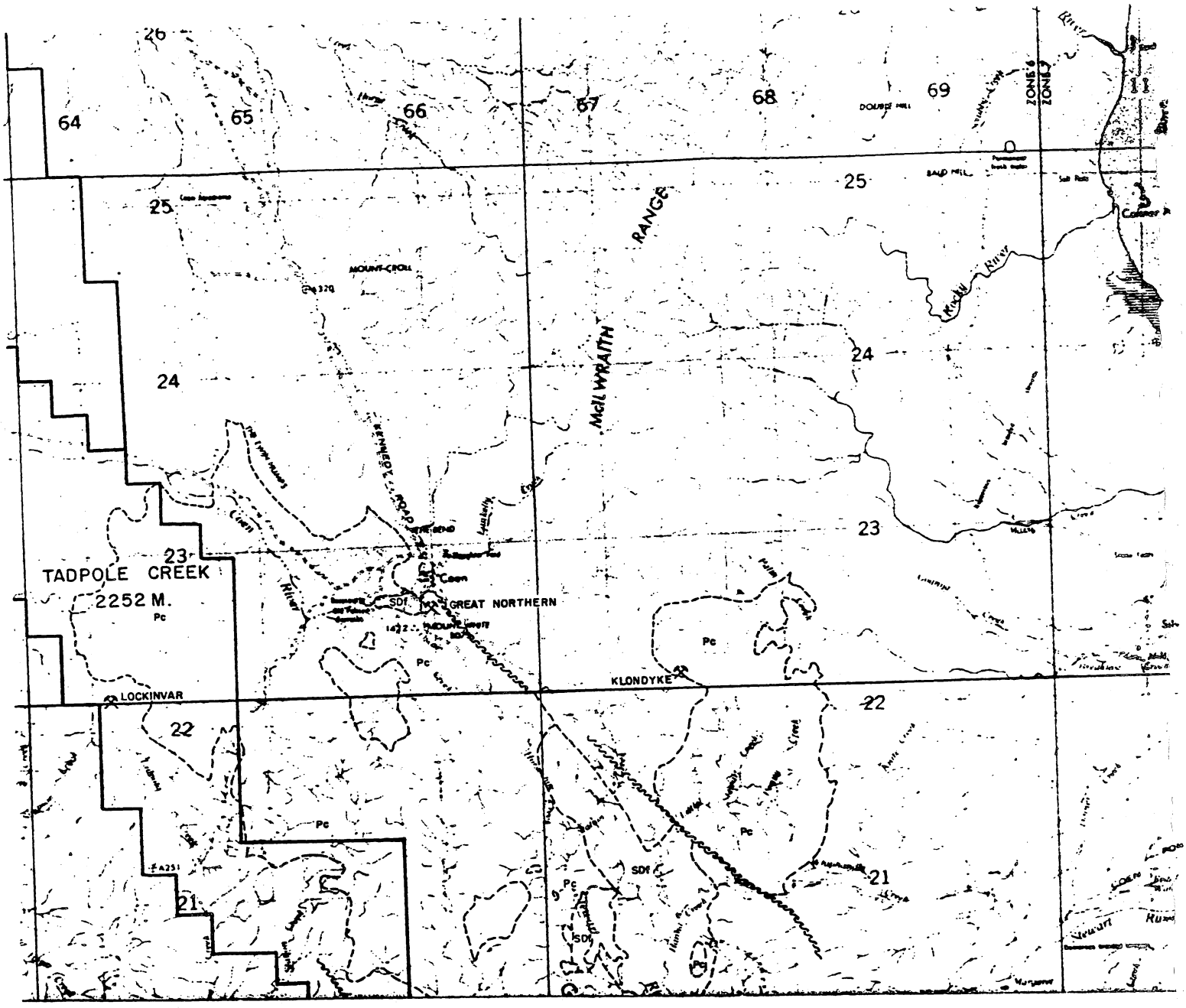
ORE TEXTURES....: Disseminated.

ORE GRAIN SIZE..:

ORE GENESIS: U associated with concordant Q-veining and GT-mica schists in a sequence of fragmental acid volcanics with interbedded tuffaceous sediments. Secondary U-Min. occur in a silicified shear zone.

REMARKS....: #MSSedimentary units were traced intermittently along strike for 1300m exhibiting anomalous radioactivity, and patchily developed secondary U-min.; Thickness of these sediments varied from 1 to 2 m. Primary U-min. occurs in both GT-mica schists and concordant Q-veining. #PRThe best grade intersected over 1 m was 350 ppm U. Grade of min. is too low to be of further interest. #GMSome potential may exist for stratabound Au-min., particularly in the zone trenching S towards the Ebagoola Goldfield. #M1Anomalous total count radioactivity detected over entire length of the "Main Zone". #DDSecond shear zone: Eastern Zone (30m E, with simil. radioactivity). #M2Channel samples cut accross, show 6-140 ppm U, and up to 1.3 ppm Au (1).

REFERENCES.: CRA EXPLORATION PTY LTD(1978, QDRI unpublished company report CR 7182);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);



CR 8122

C R A EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT		
TADPOLE CREEK 2252M, SPION KOP 2255M		
HIT OR MISS 2256M, EMU CREEK 2257		
LOCALITY MAP.		
Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-F		
Geologist. A.D.B.	Scale. 1:250 000	Drawn. J.W.
Report No. 10163	Date. August, 1980	Plan No. Qm. 1358

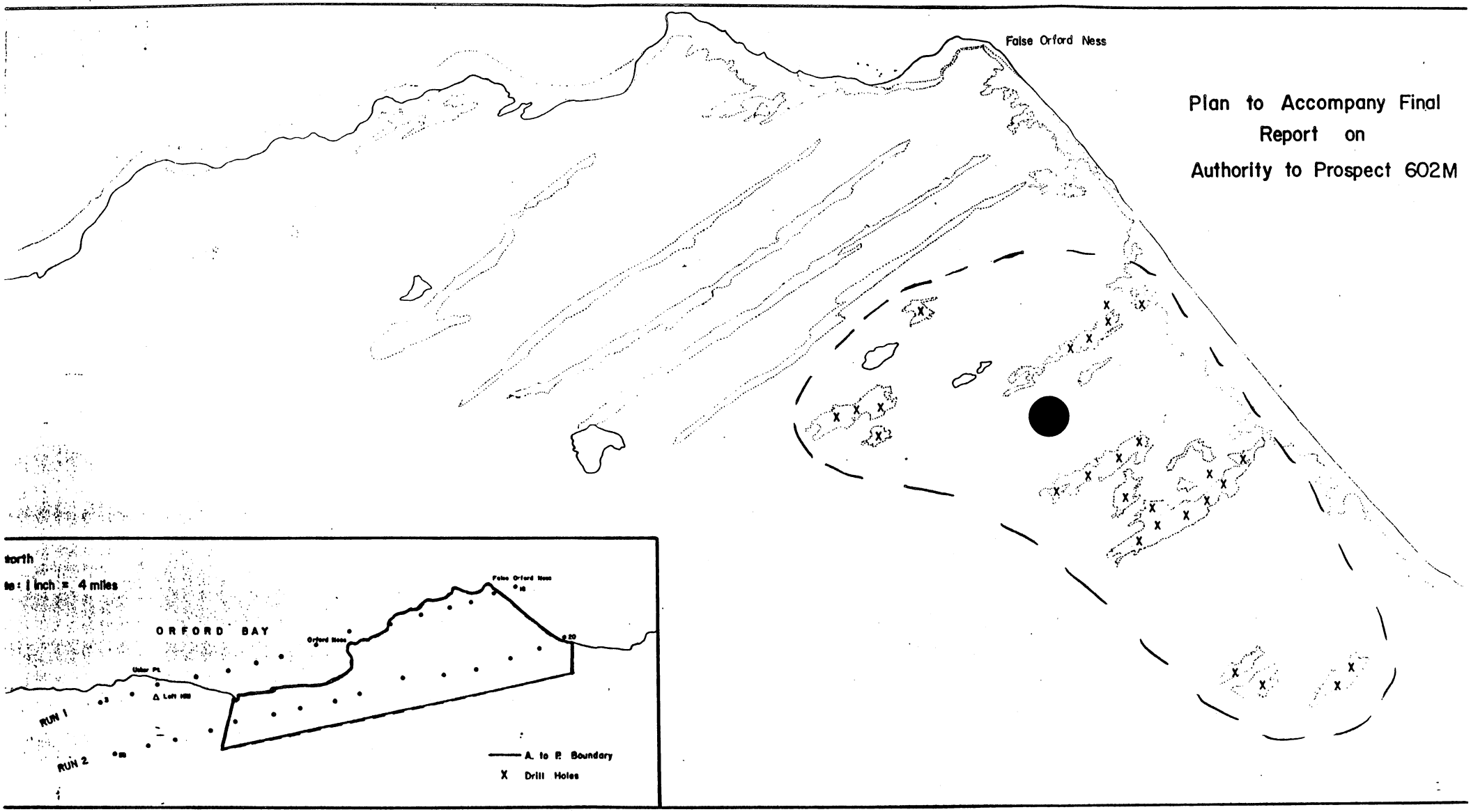
NAME(S).....: Northern Anomaly-Tadpole Grid (Page 2 of 2) REFERENCE NUMBER:244466B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
Secondary U-min. recorded in shears & fract. fill: green (flourescent) flaky metatorbernite, or unident. bright yellow U- orches (autunite or carnotite derivation?) On fine fractures in silif. rock or disse

REMARKS CONTINUED.:
No consistent trend observed. #MNA concordant Q-vein in dacite tuff associated with intense kaolin alteration contains visible uraninite (1 m intervall shows 350 ppm U). Secondary uraninite with iron oxides after PY occurs as fracture fill at the base of oxidation within drillhole TP2 (Intervall 51. 5-54.5: 165 ppm U). As sulphide only PY. #CMFine grained silicious material forming main part of shear zone is conjectural (remote possibility: fine grained acid volcanic marking contact between two igneous phases). "Main shear zone": White quartz stringers (10-20cm thick) occur commonly along the shear. #PRNo significant tonnages of U found in drilling hole.

REFERENCES CONTINUED.:


False Orford Ness
Plan to Accompany Final
Report on
Authority to Prospect 602M
North
Scale: 1 inch = 4 miles
ORFORD BAY
Orford Ness
False Orford Ness
Ufdor Pt.
Δ Loft Hill
RUN 1
RUN 2
A. to P. Boundary
X Drill Holes

DATA SHEET 172

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Orford Ness REFERENCE NUMBER:998382

COMMODITIES ....: SILICA SAND
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 30/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 699800 mE, 8738200 mN.
AMG SOURCE/ACCURACY: CR 3509/ Plan of Final Report AP602M/ 30 0m

1:250 000.....: ORFORD BAY SC54-16
1:100 000.....: ORFORD BAY 7475
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: S of ORFORD NESS (Cape)
LOCALITY.....: Dunes around Bosanquet Hill (N E-SW directions)
LOCALITY ACC.: CR 3509/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:SIGNAL PACIFIC COMPANY; AP 602M; 1969; Cceno, 0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Dune sands.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....: SILICA SANDS.

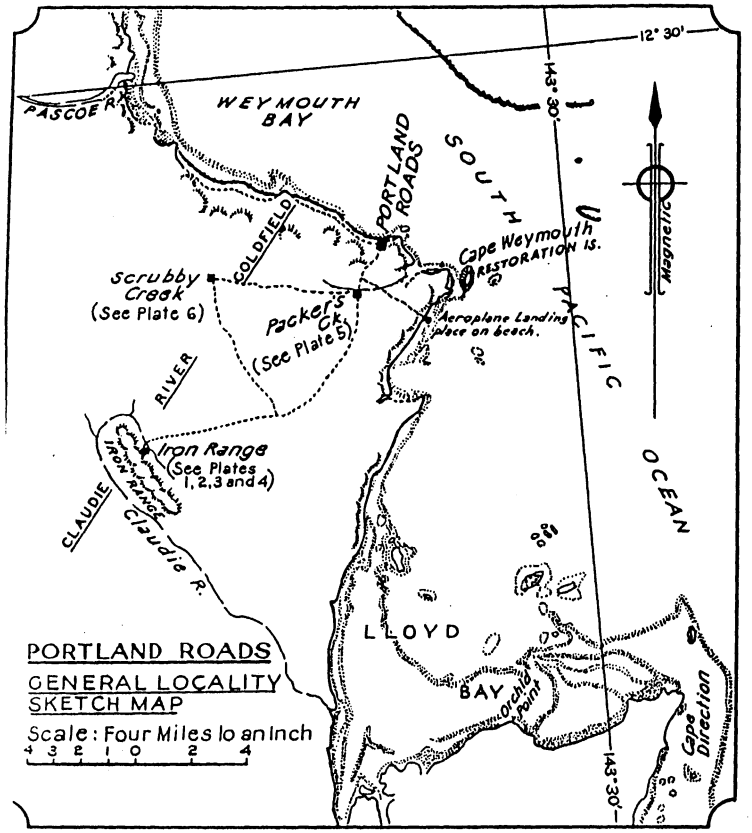
ORE TEXTURES....:

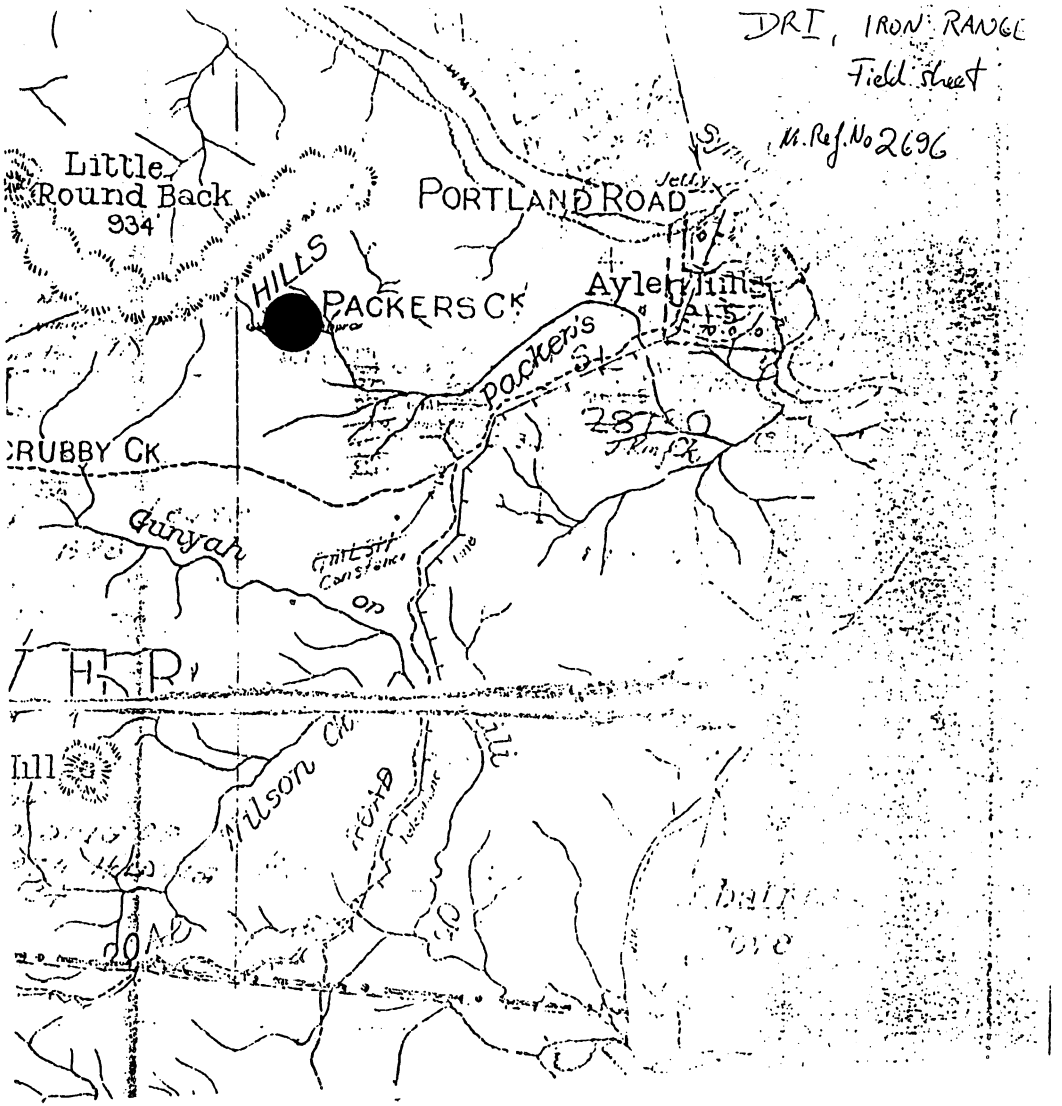
ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands deposited by wind and water activity.

REMARKS....: #M1Drilling programme by SIGNAL PACIFIC Co. proved existence of large tonnages of medium to high grade silica sand in this AP 602M area. But their isolated locality doesn't justify present developing. #DDThe main dunal areas are located S of False Orford Ness and are present migrating inland in NW direction. #CMThe migrating dunes are typical Barchan dunes (rise to a height of about 30m at NW end and drop off suddenly on to the preexisting vegetation). #M2SiO2 average contents 99. 2-99.5%, TiO2 av.: 0.036-0.065%; Fe2O3 av. 0.013-0.034%; Cr2O3 av.: 0.00011-0.00046% Heavy Min.:0. 024-0.054% MnO: at the limit of detection: around >0.0001%.

REFERENCES.: SIGNAL PACIFIC Co(1969, QDRI unpublished company report CR 3509);





NORTHERN AERIAL GEOLOGICAL AND GEOPHYSICAL SURVEY AUSTRALIA

PLAN OF
IRON RANGE CENTRE

Scale of Feet

1000 500 0 1000 2000 3000 4000

Plan based on
Triangulation and Compass Surveys by E. Broadhurst
Assist. Senior Geologist and E.O. Rayner, Assist. Geologist.

E. Broadhurst Assist. Senior Geologist.
1-2-1937

E.O. Rayner Assistant Geologist
1-2-1937

Reference

Adits shown thus: ..A.

Shafts ..."..

DATA SHEET 173

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Packers REFERENCE NUMBER:589025

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS: WIDTH: 0.3 m, DEPTH: 20.0 m,
AMG GRID REFERENCE.: 758900 mE, 8602500 mN.
AMG SOURCE/ACCURACY: Cr 4778/Geol. Plan 1/ 1000m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER G

GENERAL AREA.: CAPE WEYMOUTH
LOCALITY.....: 6 km WSW Cape Weymouth

LOCALITY ACC.: CR 4778? Geol. Plan 1/ 1000m

MINING TENURE.....: (ML 143 "Christmas Gift"), (ML 147 "Lone Hand")

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 1295M; 1974; BCadhilq, 0, [Pb,Zn,Cu,Ni,Co,Cr,Mn,Ag,Au,Mo,As,Hg, Sb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: WEYMOUTH GRANITE
HOST ROCK TYPE: Biotite granite.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 530.0m av.long x 0.3m max.wide . OREBODY;45deg dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : GAL, AU
SECONDARY MINERALS:
GANGUE .....: Q

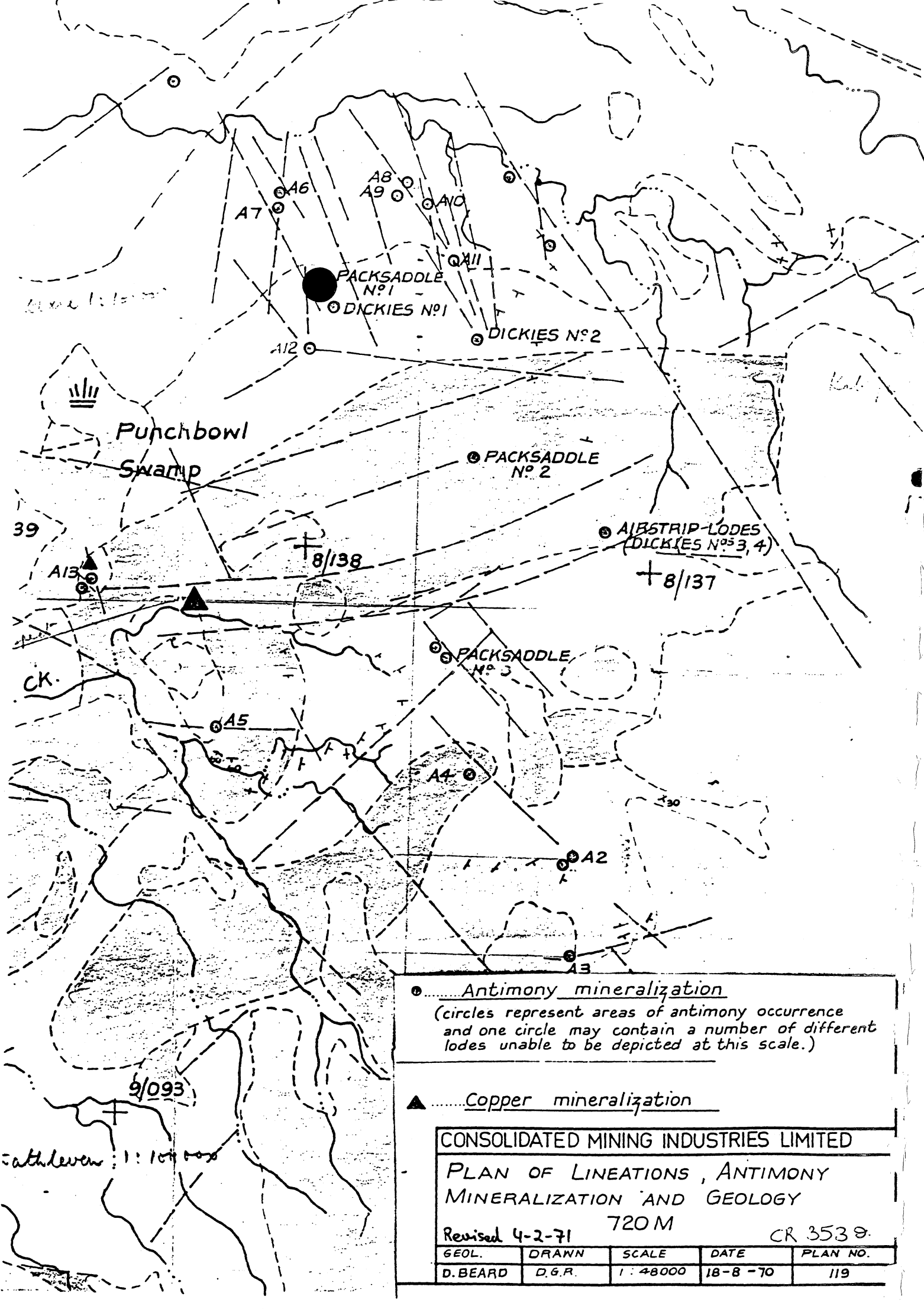
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDLocality noted in plan 1 without further information GRID NET for longitude 143 20 has been placed uncorrectly in this map (plan 1). Corrected line was estimated! The area is in a National Park (Topogr. Map C.W. 7572; 1:100000). #MNAu in Q-reefs, 0.3-1m wide, in granite. #PR65 t of ore av. 0,8 oz/t. Payable Au usually is confined to one section of the reef up to 25cm in width (2). #M1Shaft sunk 12m. #MNQ heavily impregnated with GAL (3). 14t av. 10dwt. A 5cm leader had also been worked by a 20m shaft in the vicinity.

REFERENCES.: CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);Shepherd, S.R.Leonhard(1936); Hadley, B.A(1934);Banks, J.G(1947);Jensen, H.I(1963-64);


A6
A7
A8
A9
A10
A11
PACKSADDLE No.1
DICKIES No.1
DICKIES No.2
A12
Punchbowl Swamp
PACKSADDLE No.2
39
A13
8/138
AIRSTRIP LODES (DICKIES Nos 3, 4)
8/137
PACKSADDLE No.3
CK.
A5
A4
A2
A3
9/093
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720 M
Revised 4-2-71
CR 353 8.
GEOL. D. BEARD
DRAWN D.G.R.
SCALE 1 : 48000
DATE 18-8-70
PLAN NO. 119

DATA SHEET 174

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Packsaddle No.1 REFERENCE NUMBER:672883

COMMODITIES ....: ANTIMONY,GOLD,SILVER
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..: Shaft(s).
EXTENT OF WORKINGS: LENGTH: 36 m, DEPTH: 33.0 m,
AMG GRID REFERENCE.: 767200 mE, 8288300 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: S Dickie Creek/ 4.8km S of Kil larney landing ground
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1916
TOTAL PRODUCTION (ORE) : 9t ,
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Granite, gneiss, schist.
HOST ROCK AGE : Precambrian
MINERALISATION AGE: Devonian

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 90.0m av.long x 0.3m av.wide x 15.0m av.down dip depth.. JOINTS/OREBODY; Strike 150deg/45deg dip to 060deg. JOINTS/OREBODY; Strike 150deg/75deg dip to 060deg.
FORM/TYPE .....: Veins, Breccia-fill.
STRUCTURAL AFFILIATIONS..... : Fault, Shear, Joint(s).

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

ORE MINERALOGY.

PRIMARY MINERALS : STIB,PY,CPY,AU
SECONDARY MINERALS: STBC,VAL,MAL
GANGUE .....: Q,FL

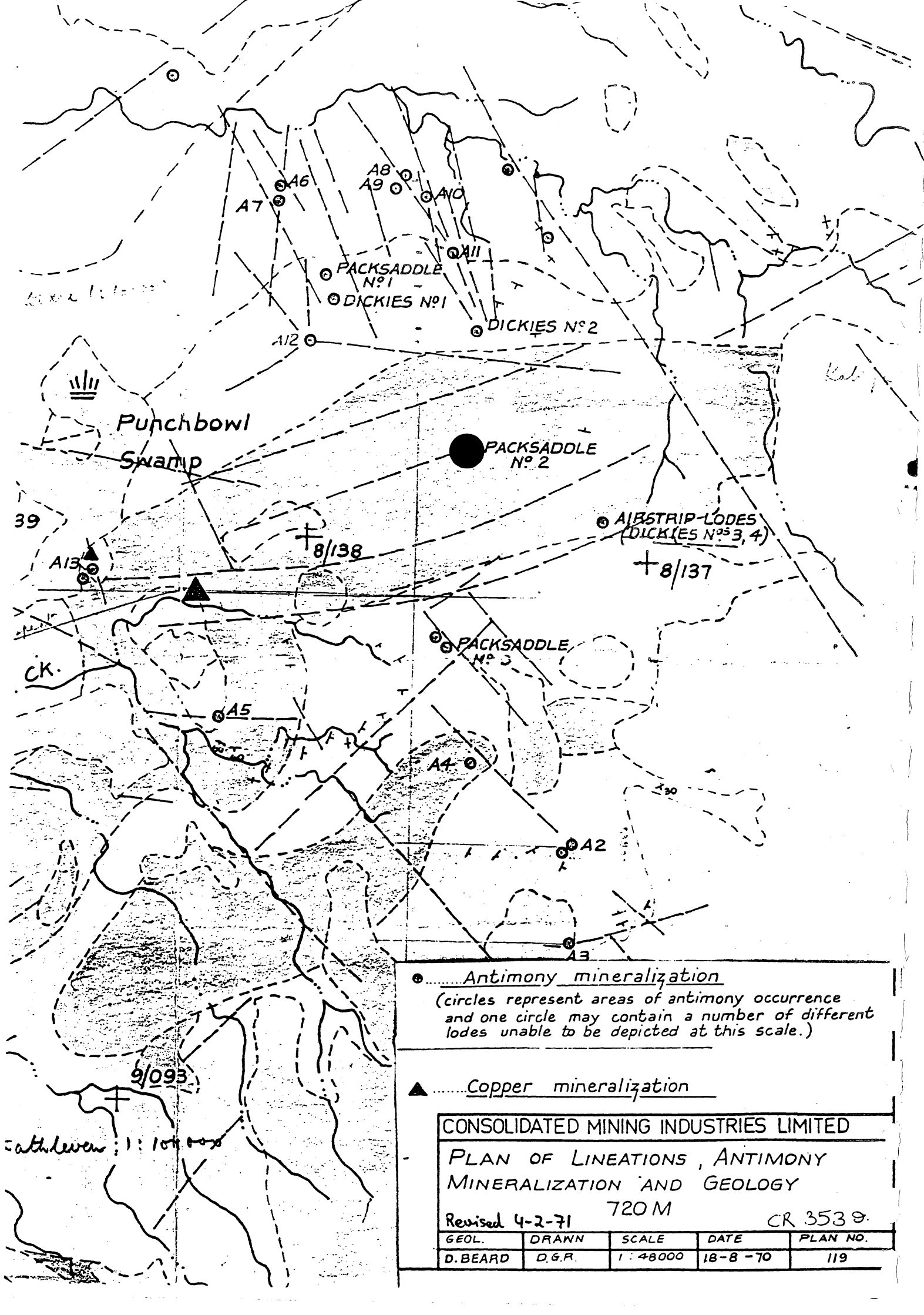
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS:

REMARKS....: #GM Epigenetic-epithermal. Appears genetically related to Upper Devonian Kintore Adamellite. #MS Lode follows old joint direction (150,Dip 45-75NW). Packsaddle lodes generally more mineralised than Dickies lodes.

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720 M

Revised 4-2-71

CR 3538.

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D. BEARD	D.G.R.	1 : 48000	18-8-70	119

DATA SHEET 175

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Packsaddle No.2

REFERENCE NUMBER:688865

COMMODITIES ....: ANTIMONY
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 768800 mE, 8286500 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: KALINGA 7667
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: S Dickie Creek/ 6.5km SSE of K illarney landing ground
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Granite, gneiss, schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE: Devonian

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 180.0m av.long x 0.3m av.wide x 15.0m av.down dip depth.. JOINTS/OREBODY; Strike 150deg/45deg dip to 060deg. JOINTS/OREBODY; Strike 150deg/75deg dip to 060deg.
FORM/TYPE .....: Veins, Stockwork, Irregular.
STRUCTURAL AFFILIATIONS..... : Fault, Shear, Joint(s).

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : STIB
SECONDARY MINERALS:
GANGUE .....: Q

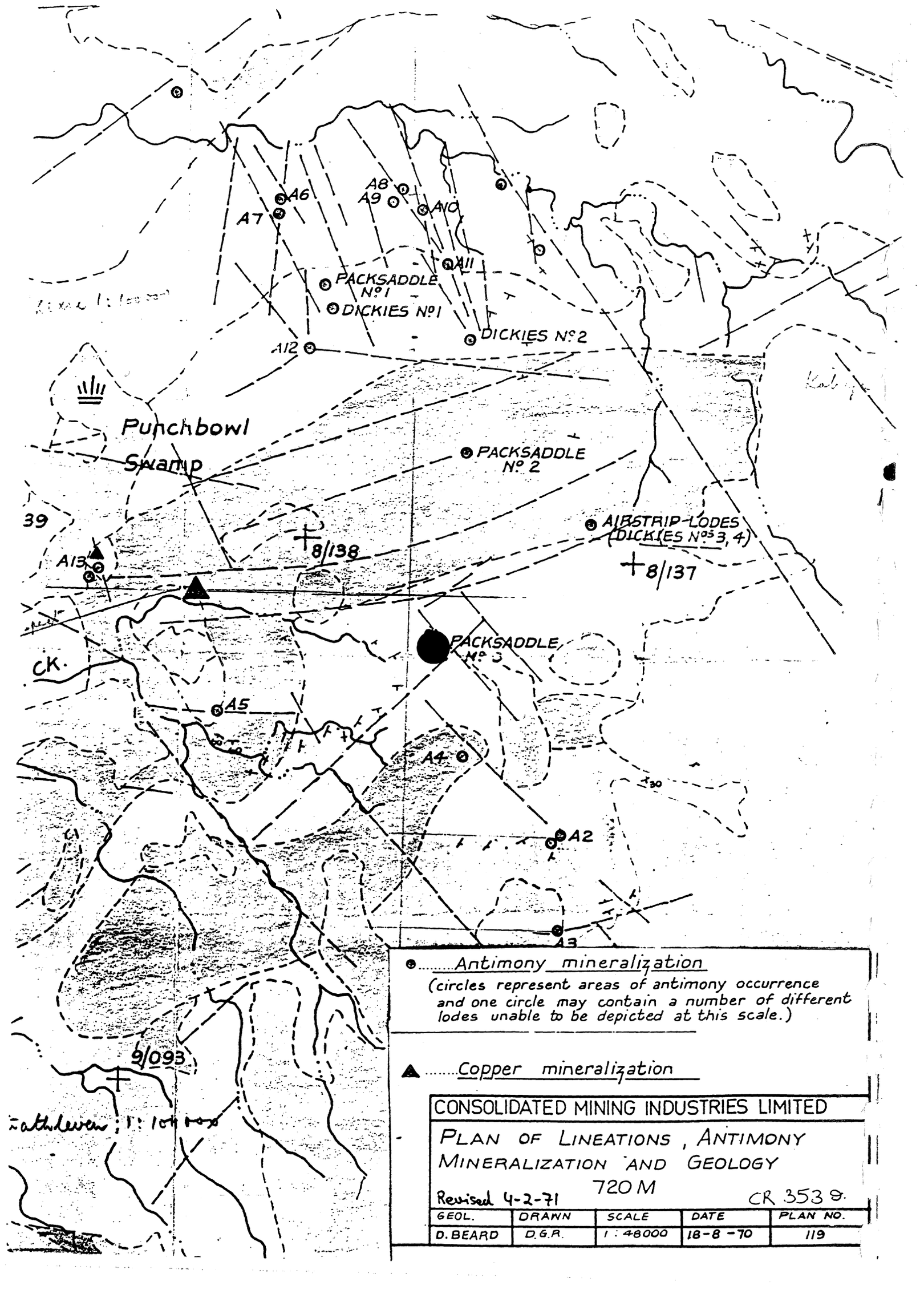
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS:

REMARKS....: #GM Epigenetic-epithermal lode in which individual fractures sometimes cut open into stockworks or irregular distributed veinlets (seen in drilling cores). Lodes follow old joint directions (150,Dip45-75NW). #M1 Packsaddle lodes generally more mineralised than Dickies.

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720 M

Revised 4-2-71

CR 353 8.

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D. BEARD	D.G.R.	1 : 48000	18-8-70	119

DATA SHEET 176

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Packsaddle No.3 **REFERENCE NUMBER:684844**

COMMODITIES ....: ANTIMONY
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG/DSW 05/04/90
METHOD OF WORKING..: Underground, 1 Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 768400 mE, 8284400 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: JEDDA CREEK 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S Great Dividing Range
LOCALITY.....: 8.5km S of Killarney Homestead
LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: COEN METAMORPHICS/ KINTORE ADAMELLITE
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:Late

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 15.0m av.long x 0.1m av.wide . OREBODY/JOINT; Strike 120deg/50deg dip to 060deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : STIB
SECONDARY MINERALS:
GANGUE .....: Q.

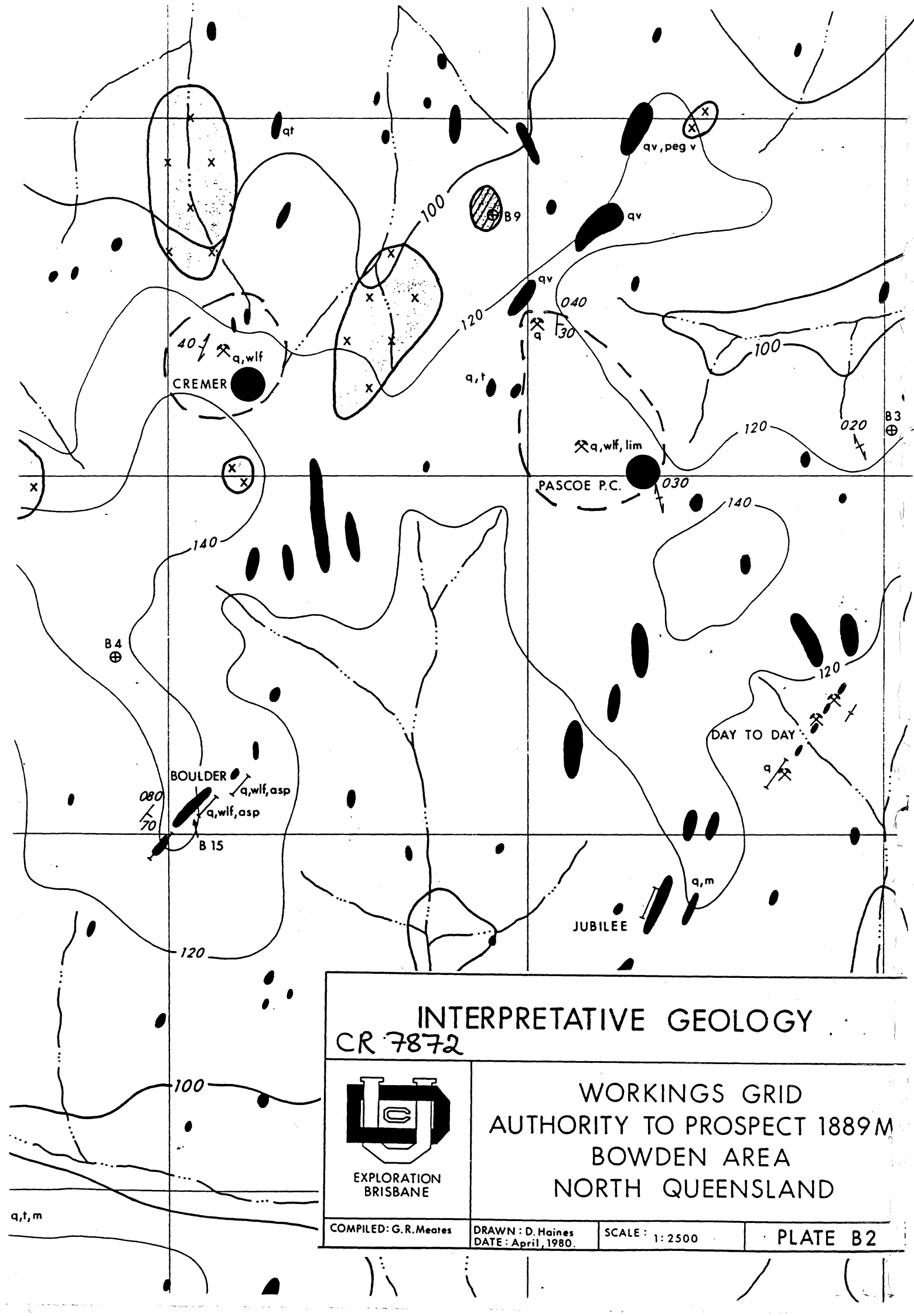
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Mineralised lodes.

REMARKS....: #MS Lode follows old joint direction (330/ Dip 45-75).

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION
BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G.R.Meates	DRAWN : D. Haines DATE : April, 1980.	SCALE : 1:2500	PLATE B2

DATA SHEET 177

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Pascoe;Cremer (Page 1 of 2)

REFERENCE NUMBER:188816A

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: Shaft(s), Trench(es).
EXTENT OF WORKINGS: WIDTH: 2.3 m, DEPTH: 13.0 m,
AMG GRID REFERENCE.: 718800 mE, 8581600 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN

GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 8.1 Km SW of Mount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916; 1952
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):7.0t W, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-;
CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Q-reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock

REMARKS....: #GMQ-reefs formed by forceful injection into, and particial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by Q-veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). One major reef system in outcrop. Overall dip 7 to SE and it accounts for all worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min. forms halo to this min. system in the overlying rocks (2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wall rocks around the min.

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);

NAME(S).....: Pascoe;Cremer (Page 2 of 2) REFERENCE NUMBER:188816B

MINERAL EXPLORATION CONTINUED.:

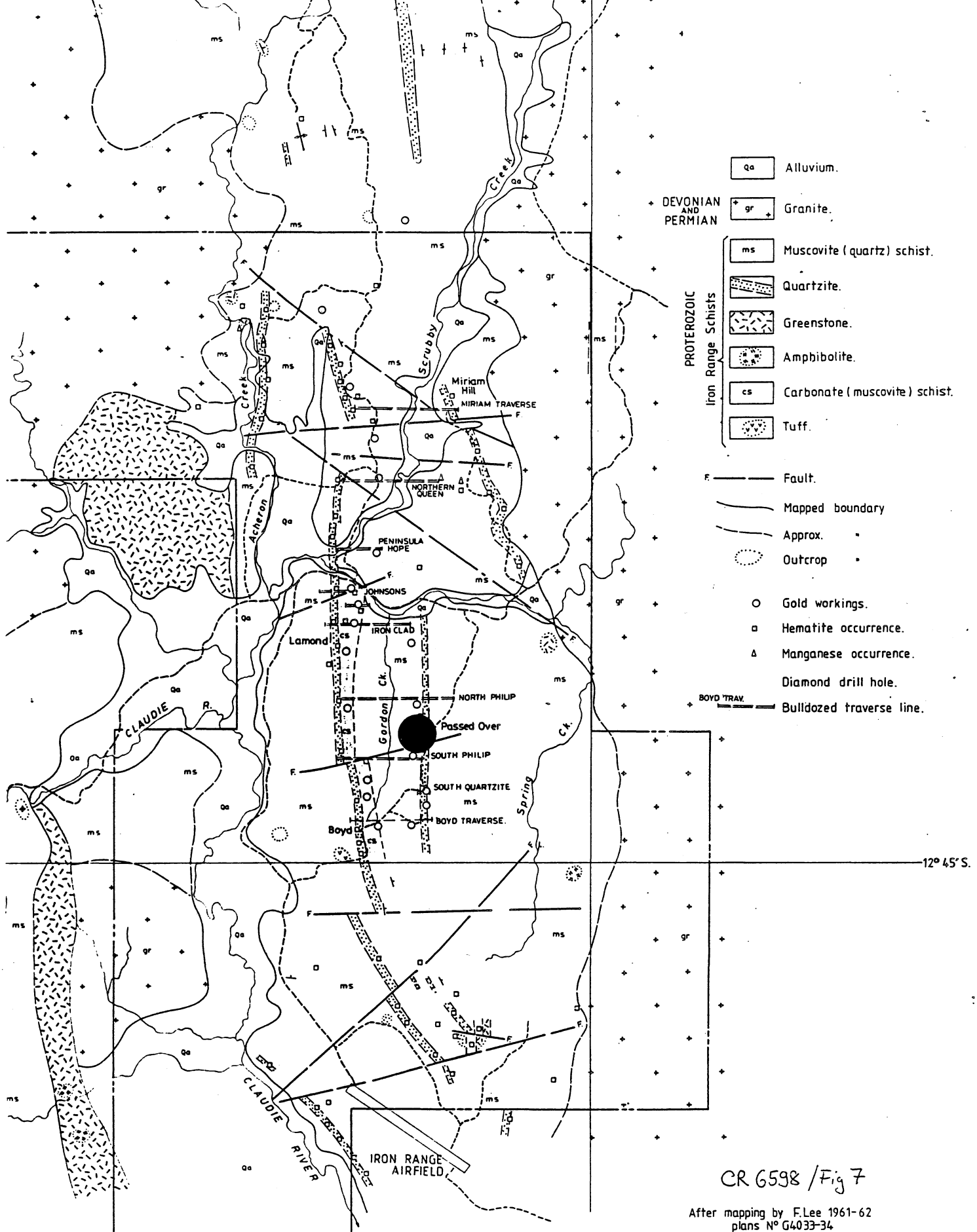
ORE GENESIS CONTINUED.:

WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE.
Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:

#ALQ-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in a strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to the contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with strike and dip of the schists (few occupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil Geo: W (<5-1200 ppm) anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosityor discordant. Reefs are lensic (swell from nothing to several m.) (1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (average thickness: 1 to 1.5 m). Rock chip: 9 reefs anomalous in W: averaging at 0.22% W. 4 reefs av. at 0.51%W (Range 0.41-0.56% W)(8). #DDPASCOE & CREMER: Orig.claim of B.G.F. Shaft (5.3m) An ironstone band (1.3m thick) showing traces of W on hanging wall. Cremer lies about 200m NW from P. Another parrallel lode, about 30cm thick. BOULDER: Continuation of the hill P.C.; 300-400m W.

REFERENCES CONTINUED.:



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 179

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Passed Over 2

REFERENCE NUMBER:508913

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750800 mE, 8591300 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.8km E of Phillip Hill (No.15 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #PRHighest Au-values obtained at Passed Over Mine were 4.2 g/t over 5m (2). Recognition that wide low grade Au occurs within the actual quarzite als well as in thin Q-veins in schist enchances the gold potential (of Line 3) (1).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);

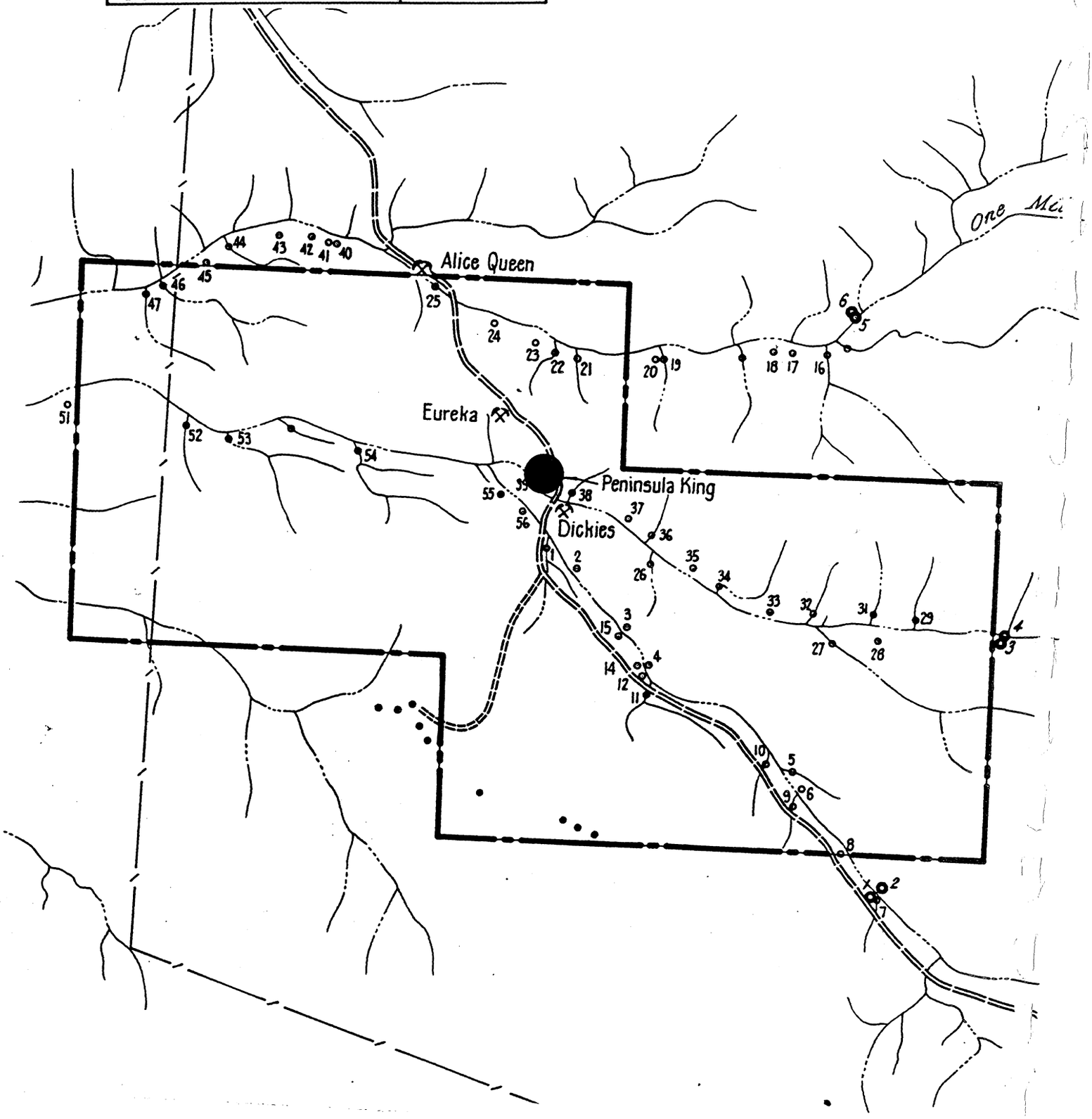
CR 8706 / CR 3059

CSR LIMITED-MCD

A to P 2605M ALICE RIVER NTH. QLD.

SAMPLE LOCATION PLAN

SCALE	1 50,000	DRG. No.
DRAWN	K M K / P R	D 5416 – 1
DATE	March '81	
REVISED		



DATA SHEET 180

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Peninsula King

REFERENCE NUMBER:457908

COMMODITIES ....: ANTIMONY,GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: DAM/FVG 04/04/90
METHOD OF WORKING..: Underground, Pit(s), Shaft(s).
EXTENT OF WORKINGS: DEPTH: 30.0 m,
AMG GRID REFERENCE.: 745700 mE, 8290800 mN.
AMG SOURCE/ACCURACY: CR 3059/ 100m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....: ALICE

GENERAL AREA.: S COLEMAN RIVER
LOCALITY.....: 6.0km E of junction "One Mile Ck." and "Dickies Ck."
LOCALITY ACC.: CR 3059/ 100m

CR 8706

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 520M; 1970; ABGIJKabcdefhil,5[Ag,Cu,Ni,Pb,Sb,W,Zn], reef ore; CSR LTD; AP 2605M; 1980; Aabcdek,0,-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE: Adamellite, schist.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: FAULT/OREBODY; Strike 170deg/Unknown dip.

FORM/TYPE .....: Veins, Breccia-fill.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : GAL,ASPY,AU
SECONDARY MINERALS:
GANGUE .....: Q

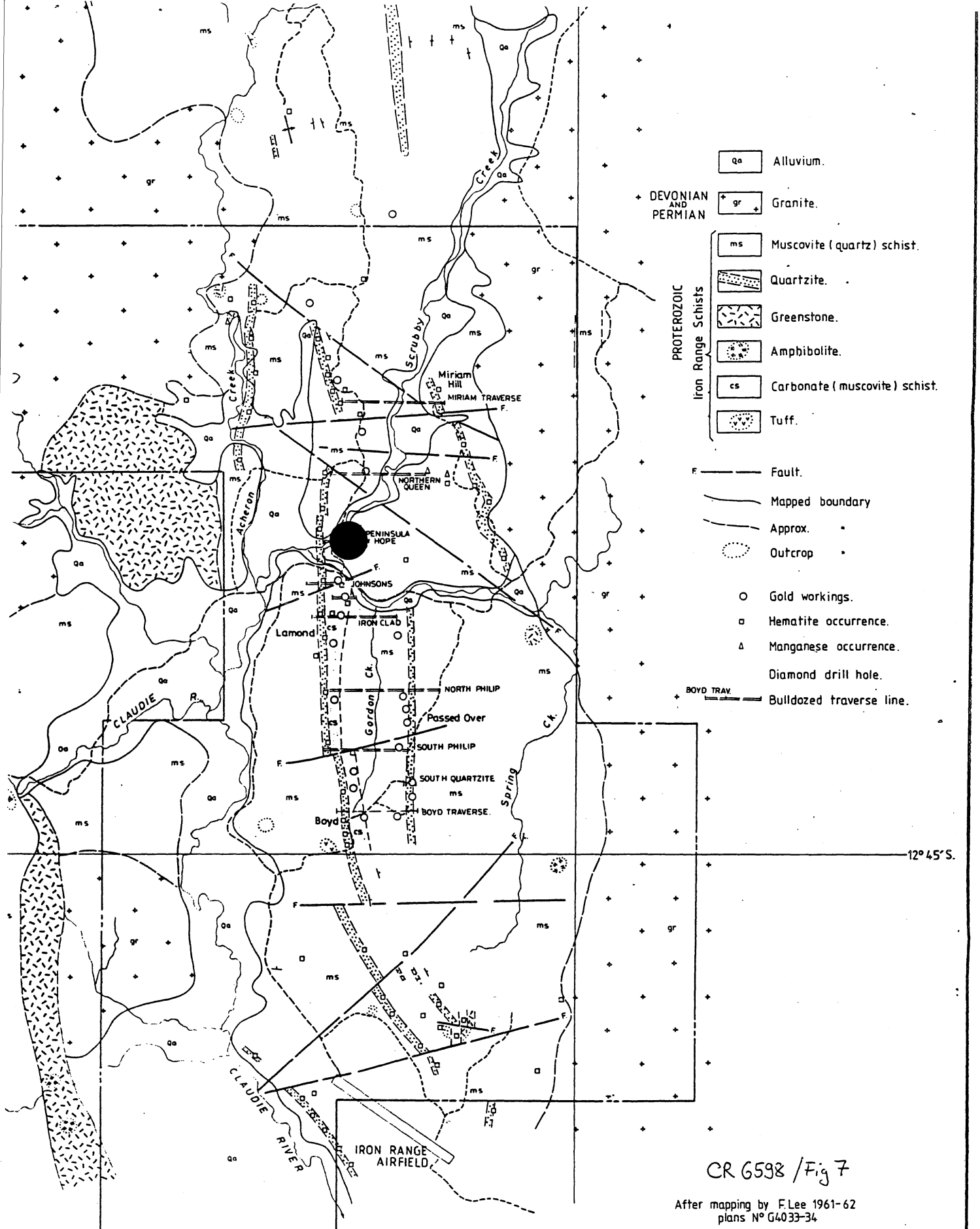
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DD Alice River min. occurs in Q-reefs following strong fault zone through granite trending NNW/SSE (350; traceable up to 4 km to the S). This locality on the same fault. #AL Fault zone shows shows strong brecciation, mylonitisation and late silification. #M1 Previous workings for Au. Dickies and Peninsula King are parrallel lodes. At these two mines the mined lodes occur in the eastern zone and intensity of brecciation decreases westward. #MN Presence of sulphides, mainly GAL, ASPY. #M2 Minor alluvial Sn occurs, but of no economic value, because of limited extend. #PRAbout 59 t of stone from one shaft have returned 158 oz. Au (1906). #M2Includes Dixies Reward Claim and No.5 South Pen. King Claim. From No.5 197 t of rock returned 309 oz. Au.

REFERENCES.: Cameron, Walter E.(1906);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3059); CONSOLIDATED MINING IND LTD(1972, QDRI unpublished company report CR 4400);CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 3961); CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3507);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3826);CSR LTD(1980, QDRI unpublished company report CR 8706);CSR LTD(1980, QDRI unpublished company report CR



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 181

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Peninsula Hope

REFERENCE NUMBER: 501943

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750100 mE, 8594300 mN.
AMG SOURCE/ACCURACY: CR 6598/IRON RANGE Geol. Map 1:50000/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.2 km of Lammond Hill (No.6 on CR map).
LOCALITY ACC.: CR 6598/ Fig. 7/ 100m//CR 7307/Fig.2/ 100m

MINING TENURE.....: ML 642 (open)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.; ENERGEX PTY LTD; AP 2426M; 1981; BCFEIabdefgqu, 0, -;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Veins.
STRUCTURAL AFFILIATIONS..... : Fold hinge, Fold limb.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU),PY,ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

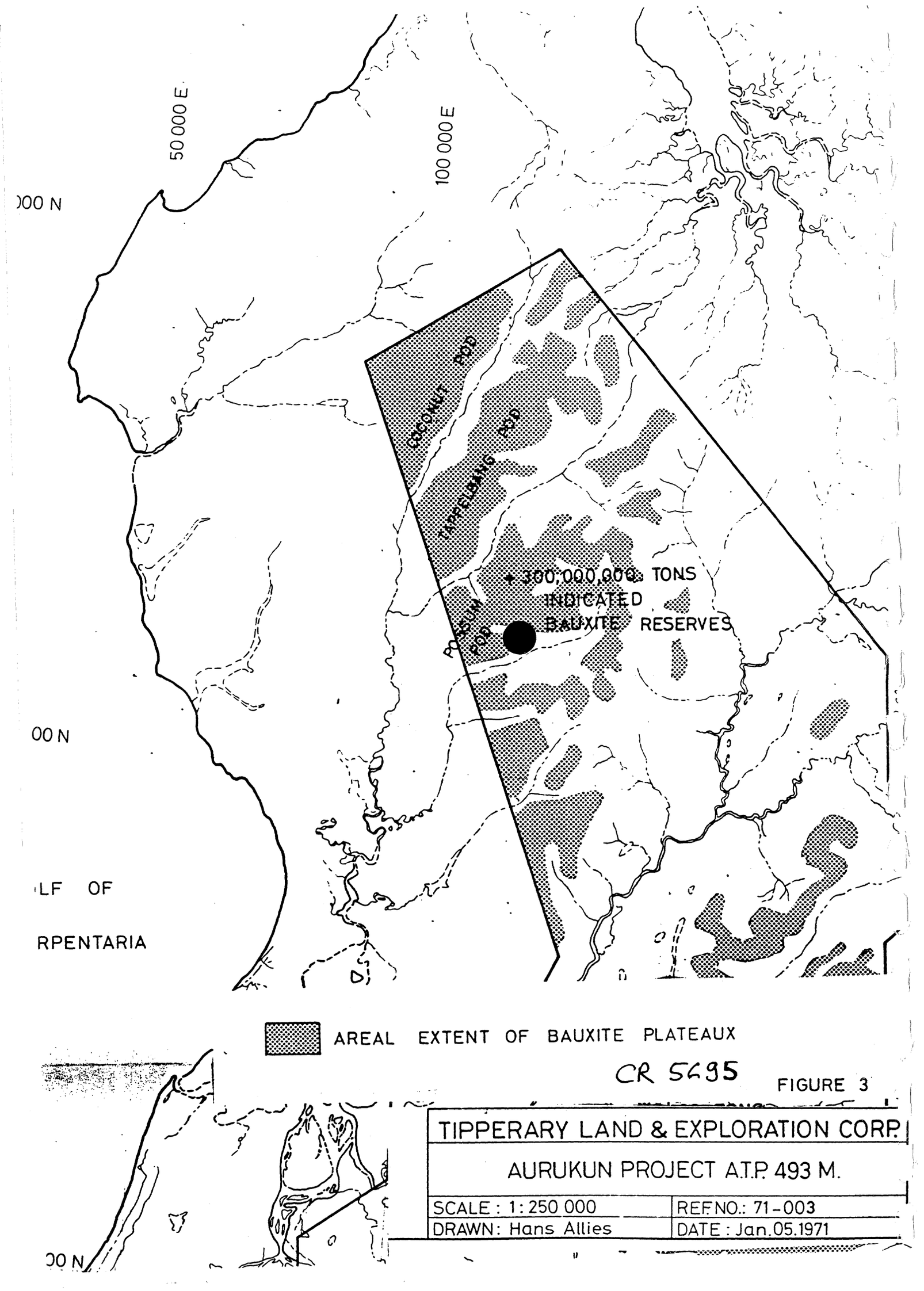
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quarz veins with free gold in fractures (1). #DDThe mine locality is mentioned on the soil sample plan of the CRA CR 4778, but without mentioning its name (2 pits). #MNMINERALISATION: basically gold/pyrite, arsenopyrite assemblage at depth Grades revealed in sulphides strongly suggest that the ore is economic below the water table (5; p.13). #CMThe gold occurrences almost entirely seem to be within carbonate schists under stratigraphic or compositional control (5).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);
CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);ENERGEX PTY LTD(1981, QDRI unpublished company report CR 10822); Titles and Tenures Services(1973);



CR 5495

FIGURE 3

TIPPERARY LAND & EXPLORATION CORP.	
AURUKUN PROJECT A.T.P. 493 M.	
SCALE : 1:250 000	REF.NO.: 71-003
DRAWN: Hans Allies	DATE : Jan.05.1971

DATA SHEET 182

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Possum Pod

REFERENCE NUMBER:880480

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 22/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 588000 mE, 8548000 mN.
AMG SOURCE/ACCURACY: CR 5695/Fig. 3/ 100m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: AURUKUN 7271
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: AURUKUN
LOCALITY.....: 27km NNE of Aurukun mission/ 1 3km S of Beagle landing ground
LOCALITY ACC.: CR 5695/Fig. 3/ 100m

MINING TENURE.....: SBML-9

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:1400000t @54.0%A1A1,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:9600000t @50.0%A1A1,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:22400000t @50.0%A1A1,
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/Holland Aluminium Groupe Pechiney; AP 549M; 1971; BCTeflkost,5, weathered surface soil strata;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite/ arkose sandstones.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS
GANGUE .....: Q,KAO,

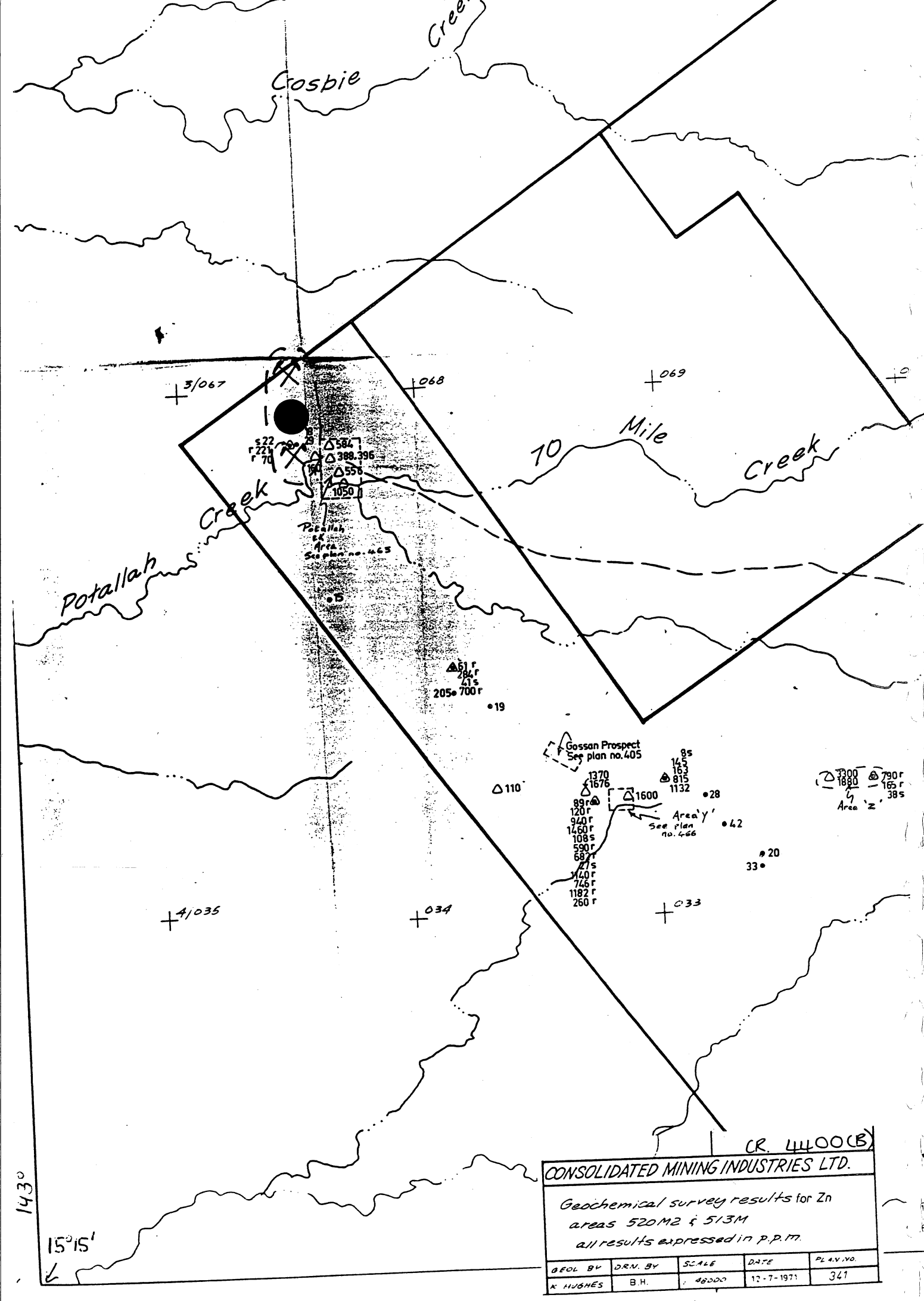
ORE TEXTURES....: Cataclastic.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soils, pisolitic bauxites.

REMARKS....: #MNAurukun BX has higher content of silica than Weipa BX causing high consumption of caustic soda during processing (2). #M1Alumina and reactive silica cut-off grades: 54%A1203 & 8%Si02: 1400000 metric dry t; 50%A1203 & 8%Si02: 9600000 t; 50%A1203 & 10%Si02: 22400000 t; #M2The SBML-9 reserve held by Pechiney is concidered as a stretigic reserve as safeguard against Comalco exploiting its sole supplier situation. #PRAddiional +300000000 t indicated BX reserves around SE of Possum Pod. #DDCompare Grid Ref: 880400

REFERENCES.: Wolff, Kevin W.(1990);TL&EC/HOLLAND ALUMINIUM G PECH(1971, QDRI unpublished company report CR 5695); Aurukun Joint Venture(1975, QDRI unpublished company report CR 5696);


Crospie
Creek
3/067
068
069
Ten Mile Creek
Potallah Creek
Potallah Creek Area See plan no. 465
584
388.396
556
1050
51 r
284 r
41 s
205
700 r
19
Gossan Prospect See plan no. 405
8s
145
163
815
1132
1370
1676
110
1600
28
89 r
120 r
940 r
1460 r
108 s
590 r
682 r
71 s
140 r
746 r
1182 r
260 r
Area 'y' See plan no. 466
42
20
33
3300
1880
790 r
165 r
38 s
Area 'z'
4/035
034
033
143°
15°15'
CR. 4400(B)
CONSOLIDATED MINING INDUSTRIES LTD.
Geochemical survey results for Zn
areas 520M2 & 513M
all results expressed in p.p.m.
GEOL BY
K. HUGHES
DRN. BY
B.H.
SCALE
1:4800
DATE
12-7-1971
PLAN NO.
341

DATA SHEET 183

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Pottalah Creek(Perserverance Mines,70 Mile) (Page 1 of 2) **REFERENCE NUMBER:200250A**

COMMODITIES ....: ZINC,LEAD,GOLD?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/04/90
METHOD OF WORKING..: Underground, Pit(s), 2 Shaft(s), Trench(es).
EXTENT OF WORKINGS: LENGTH: 25 m, DEPTH: 12.2 m,
AMG GRID REFERENCE.: 720000 mE, 8325000 mN.
AMG SOURCE/ACCURACY: CR 4400/CR map/ 100m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:
GENERAL AREA.: S COLEMAN RIVER
LOCALITY.....: 400m WNW junct Pottallah Ck an d 70 Mile Ck/28km W N.Dixie St
LOCALITY ACC.: CR 4400/CR map/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 520M; 1971; ABGIJKabcdefhil,5[Cu,Ni,Pb,Sb,W,Zn] disseminated ore;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE: Greenschists/ Lukin type schist/slate.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: SCHISTOSITY/ORE; Strike 180deg/80deg dip to 270deg.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic, Other-see Remarks.
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : GAL,CPY,PY,SPL,ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Disseminated.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS:

REMARKS....: #M2 Position of an abandoned mine marked in topograph. map 7567, but locality in CR 4400 marked about 300m W on the "N-bend" of Pottalah Ck. #M1Previous prospectors had sunk shallow pits and trenches for Au on large ferruginous formation at Pottalah Ck. #GMThe area shows Ni-values around 100ppm, indicating an ultrabasic source. The anomalous basic metal values (partic. Zn) appear to be related to intrusive geochemical hard rock values, with some conc. of values in feruginous surface rocks. Higher Zn-values noted to be assoc. with iron rich contact metamorphic rock exposed on the surface and traceable up to 500m along strike. #MNScattered iron sulphides. #MSLukin type schists: fine to medium grained MUS(SER) schist with some GT material noted.

REFERENCES.: Beck, G(1935);Cameron, Walter E.(1906);

NAME(S).....: Pottalah Creek(Perserverance Mines,70 Mile) (Page 2 of 2) REFERENCE NUMBER:200250B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MNZn-values to 580 ppm occur in graphitic andalusite slates apparently as background values. A basaltic rock with minor disseminated iron sulphides was intersected in drillhole (DDHG5), but no significant min. #M1Reef was found 1902, small batery in 1904,removed soon later. #DDMine lies on tributary of Crosbie Ck. about 40km WNW of Alice Gold Field and 80km SSW of Yarraden.

REFERENCES CONTINUED.:

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Pratt Tin Mine (Page 1 of 2)

REFERENCE NUMBER:208188A

COMMODITIES ....: TIN
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 720800 mE, 8518800 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 1.2km W of Point 204

LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....: (ML 734?) (MLA 892)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo],-; WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, 0, alluvial deposits;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE/ FALLOCH BEDS
HOST ROCK TYPE: Altered granite/ conglomerates.
HOST ROCK AGE : Late Silurian - Carboniferous

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins, Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : CST,(GA),(ZR),(MOLY),(W),(MONAZITE),(MT).
SECONDARY MINERALS:
GANGUE .....: Q, TOU.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and up. tributaries of Granite Cr. MOLY, W fairly signif. in stream samples.

REMARKS....: #MSRelatively minor terracing in assoc. with the creek system. Number of scree and talus covered slopes offer considerable tonnages, but tin content in insufficient to support even a small recovery operation (2m overburden on lower slopes)(2).Mainly CST. On heavy min.: MT abundant, relatively minor: ZR, GA, MONZ (2). #DDAlluvial workings in the whole drainage system of Granite Creek (Tin Creek). Area of about 4-5 sq.km. #MNCST occurs in free state and as crystals in greisen in constant assoc. with granites. #CMPrim. tin min. assoc. with intrusion of WOLVERTON ADAMELLITES (no known lode occurrences). A possibility of disseminated intra-granite min. mentioned (3). Secondary (detrital) deposits show two major fluviatile aggradational cycles in the area.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);

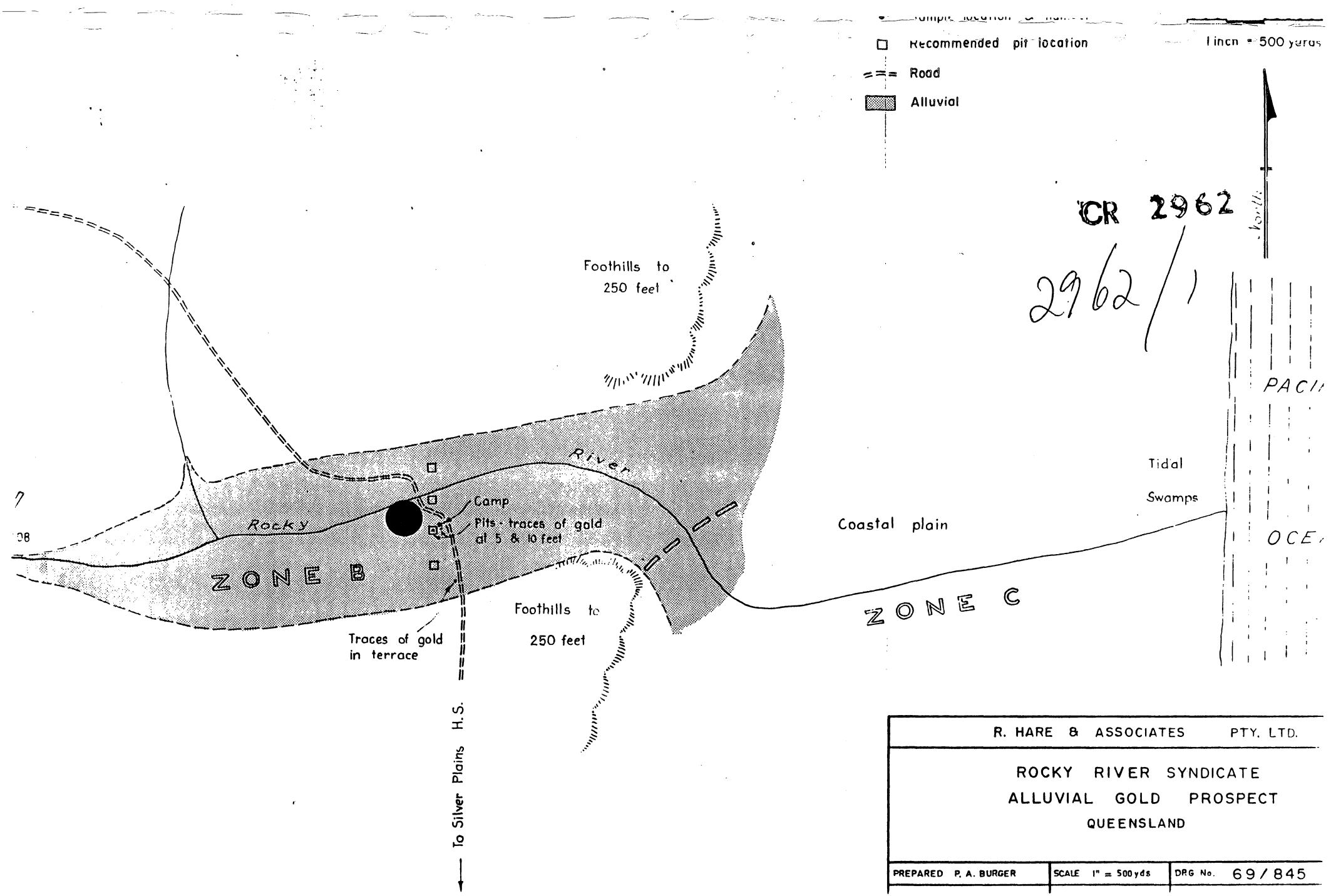
NAME(S).....: Pratt Tin Mine (Page 2 of 2) REFERENCE NUMBER:2081888

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:
#GMCycles of secondary deposits: 1. Mesozoic (U.J.) and 2. Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quarternary). Falloch Beds (stanniferous CZ sed.) cover large portion of the area (average 2 to 5m thick). #PRTin grades are very variable (like the thickness) Up to 0. 89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl.gravel show high degree of variation(0.2 - 0.9 kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained ("flood tin")(3).

REFERENCES CONTINUED.:



R. HARE & ASSOCIATES PTY. LTD.

ROCKY RIVER SYNDICATE
ALLUVIAL GOLD PROSPECT
QUEENSLAND

PREPARED P. A. BURGER	SCALE 1" = 500 yds	DRG No. 69/845

DATA SHEET 187

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
- MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Rocky River

REFERENCE NUMBER: 698730

COMMODITIES ....: GOLD
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 30/01/90
METHOD OF WORKING..: 4 Pit(s), Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 769800 mE, 8473000 mN.
AMG SOURCE/ACCURACY: CR 2962/ 300m

1:250 000.....: COEN SD54-08
1:100 000.....: COEN 7570
MINING DISTRICT : COOKTOWN
MINING FIELD....: COEN

GENERAL AREA.: E McIlwraith Range-Coast
LOCALITY.....: Rocky River, 5km inland f. coastl
LOCALITY ACC.: CR 2962/Geol.Plan/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: ROCKY RIVER SYNDICATE/ R.HARE + ASSOCIATES; AP 628M; 1969; AEaduos, 0, -;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE: slates and quartzites.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

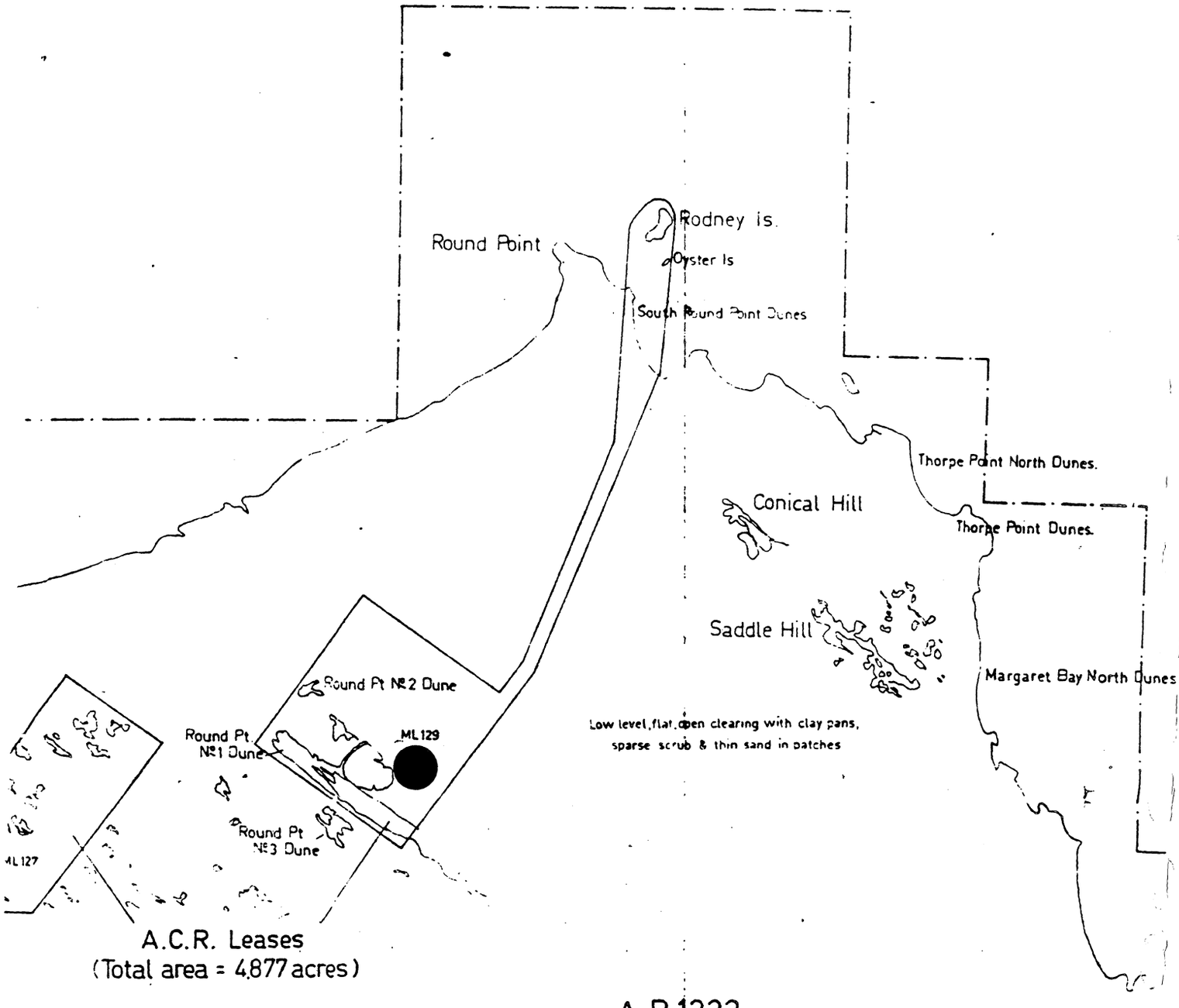
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Placer detrital gold in fluviatile deposit. Au is nuggety (even fine grained Au under 10x magnification) Heavy min. content derived from minor mafic lenses (outcrop upstream from all. flood plain = GA).

REMARKS....: #M1Total volume of alluvials around 45 million cubic yards (~40 mill. cubic m) of which the basal gravals could contain significant Au-values. Shallow diggings show minor amounts of Au in upper section. Assays of the Au-concentrations indicate between 20-45% Ag by weight in the Au. #GMAuriferous solutions from the intruding granite probably emanate during emplacement and migrated into the metamorphics to form fissure lodes. Where the solutions encountered marble beds neutralisation and precipitation of Au and sulphides took place. #MSAlluvial flats approx. 500-1000m wide and all. terraces occur adj. to S-foothills. Alluvium consists of clay and coarse sands (c-gravels at 5m depth).

REFERENCES.: R.HARE & ASSOCIATES(1969, QDRI unpublished company report CR 2962);ENBEX PTY LTD(1979, QDRI unpublished company report CR 8016);



ges

CR 4857

AUSTRALIAN CONSOLIDATED INDUSTRIES LTD.			
MAP SHOWING APPROXIMATE A.C.R. LEASE BOUNDARIES AND APPROXIMATE ALLSTATE A.to P. BOUNDARIES AT SHELBURNE BAY, Nth QLD.			
Survey By: Aerial & Survey Maps	1in = 0·79mls = 4000ft.	INDEX No.	SHEET No.
Drawn By: G.R Pollington.	Scale: 1cm = 0·5kms = 500ms.	SB	1
Date: 20th November 1973	1 : 50,000 (approx)		

DATA SHEET 188

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Round Point

REFERENCE NUMBER:260775

COMMODITIES ....: SILICA SAND
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 726000 mE, 8677500 mN.
AMG SOURCE/ACCURACY: CR 2623/ CR 4857/ 1000m

1:250 000.....: THURSDAY ISLAND SC54-16
1:100 000.....: CAPE GRENVILLE 7574
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: Round Point

LOCALITY ACC.: CR 2623/ CR 4857/ 1000m

MINING TENURE.....: ML 129

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Macdonald Wagner(1981)Dune sand:55t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.; P 468M; 1968; ABle, 0,-; R.HARE + ASSOCIATES; AP 468M; 1968; AB1, 0,-; QUEENSLAND SILICA PTY LTD; AP 1222; 1977; aeluo, 0,-;
TECHNIQUES USED ...: Geology,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SILICA.
SECONDARY MINERALS:
GANGUE .....: Q.

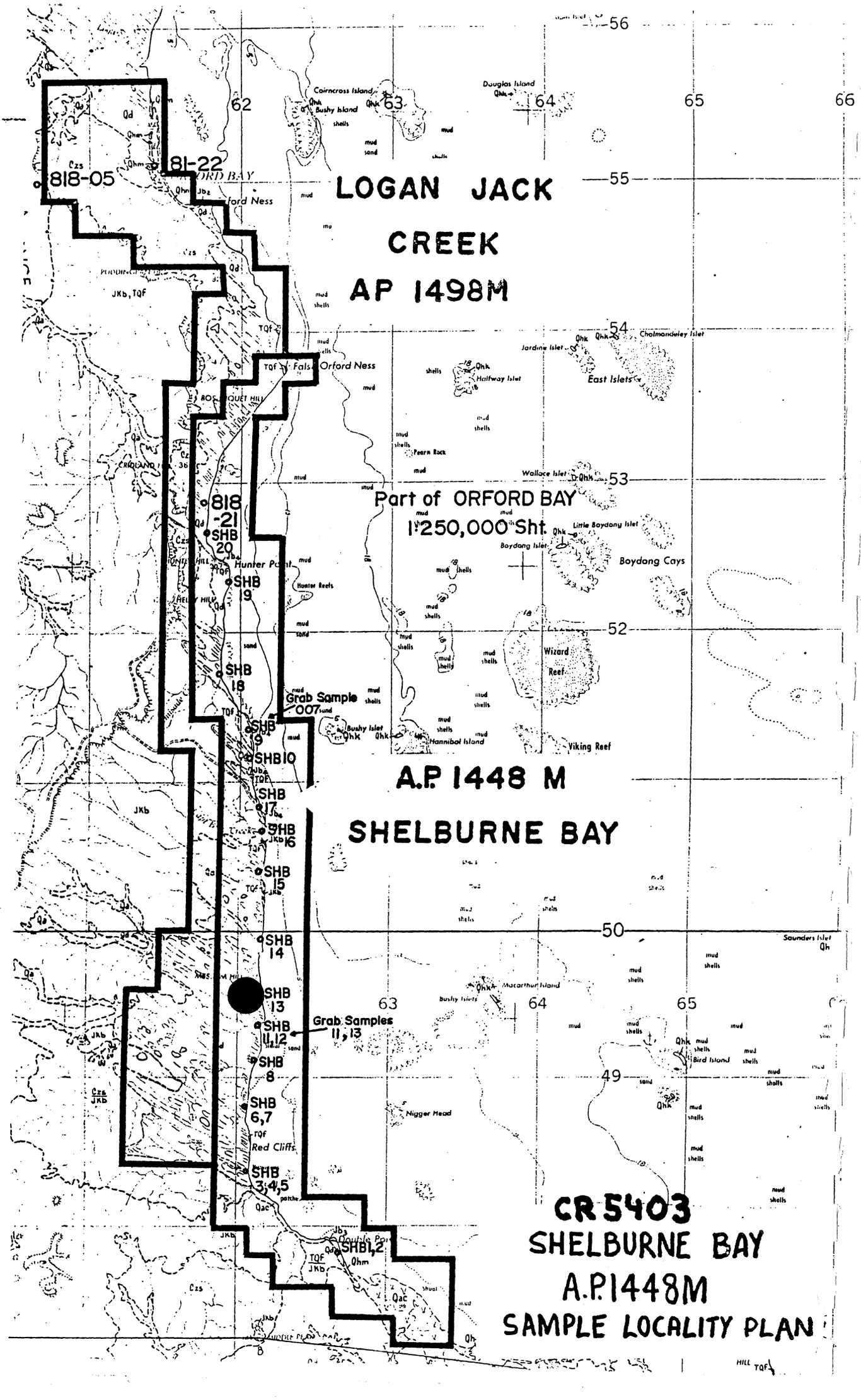
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. Main min. sought in the area: silica, ZR, RUT, and Monazite. Minerals apart from silica are of minor occurrence (5).

REMARKS....: #PROver 500 mill.y3 of high grade, relatively easily mined silica sands. #M1Transport of the sand mainly by SE-winds. Dunes may be several km in length, mostly stabilized by dense, stunted vegetation. Crescent dunes are least contaminated by vegetation. #DDA zone of crescent dunes occurs between White Point and Round Point and up to three miles inland, contains the best prospects for clean silica sand from about ten dunes (1). #CMMost likely source is the Blythesdale Sandstone within and near the AP. Hoever, material currently being deposited along the Temple Bay shore is dominatly calcareous skeletal material derived from off-shore coral reefs.

REFERENCES.: R.HARE & ASSOCIATES(1968, QDRI unpublished company report CR 2503);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI


LOGAN JACK
CREEK
AP 1498M
Part of ORFORD BAY
1:250,000 Sht.
A.P. 1448 M
SHELBURNE BAY
818-05
81-22
818-21
SHB 20
SHB 19
SHB 18
Grab Sample 007
SHB 9
SHB 10
SHB 17
SHB 16
SHB 15
SHB 14
SHB 13
SHB 11,12
Grab Samples 11, 13
SHB 8
SHB 6,7
SHB 3,4,5
SHB 1,2
Orford Ness
Hunter Point
Hunter Reefs
Bushy Islet
Hannibal Island
Viking Reef
Wizard Reef
Boydong Islet
Little Boydong Islet
Boydong Cays
Halfway Islet
East Islets
Chalmondeley Islet
Jardine Islet
Pearn Rock
Wallace Islet
Saunders Islet
Macarthur Island
Bird Island
Nigger Head
Red Cliffs
Coincross Island
Douglas Island
Bushy Island
CR5403
SHELBURNE BAY
A.P.1448M
SAMPLE LOCALITY PLAN

DATA SHEET 189

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: SHB 13 REFERENCE NUMBER:024019

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 29/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 702400 mE, 8701900 mN.
AMG SOURCE/ACCURACY: CR 5403/ PLAN (sample locality)/ 300m

1:250 000.....: ORFORD BAY SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 1.0 km S Messum Hill

LOCALITY ACC.: CR 5403/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.;AP 468M; 1968; ABle, 0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 400.0m av.long x 0.1m av.wide .

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR.
SECONDARY MINERALS:
GANGUE .....: Q.

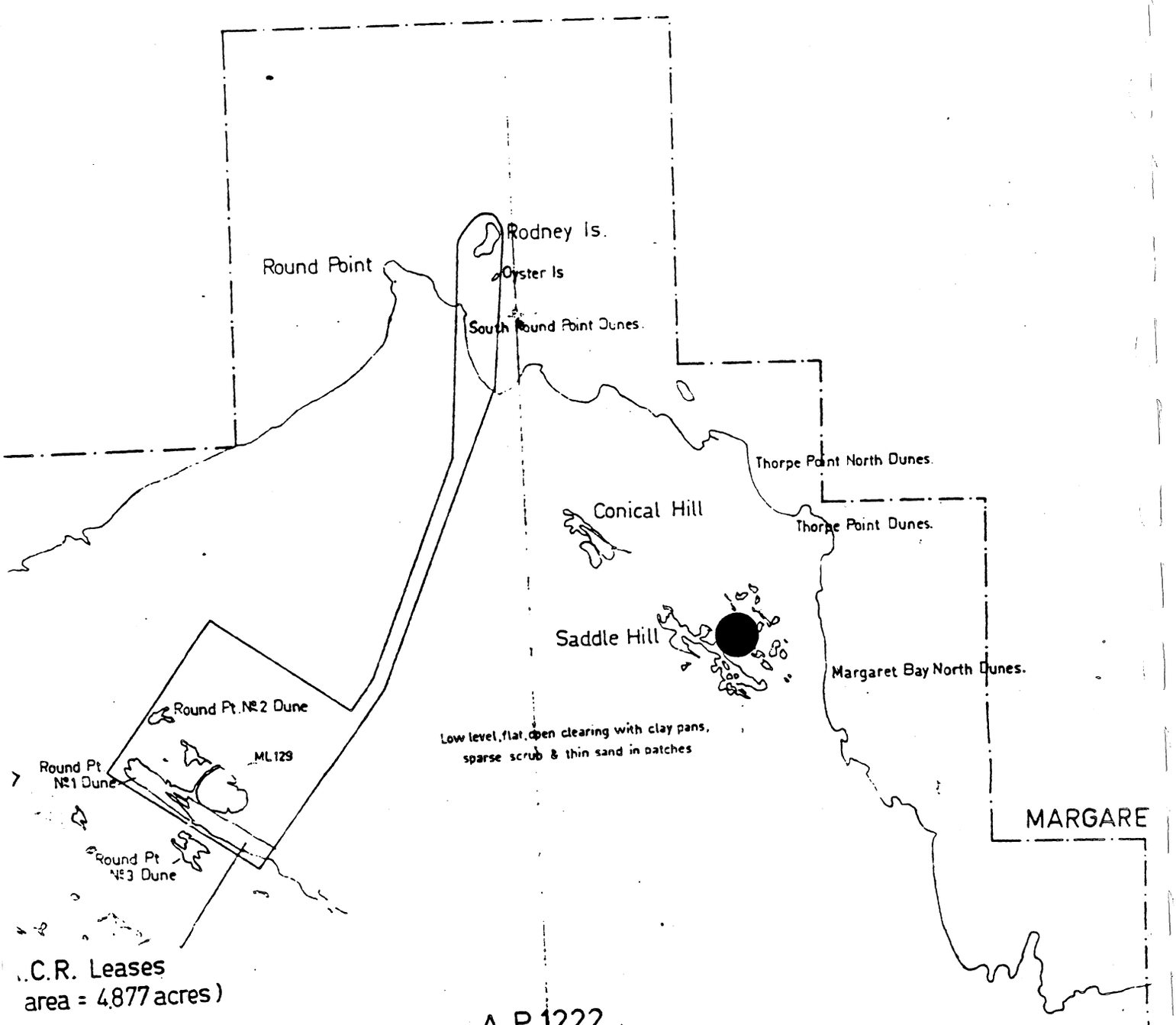
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. RUT & ZR major heavy min. species. Heavy min. grains on beach include GA, IM, MZ, RUT, ZR; often 50% RUT and 30% ZR (1).

REMARKS....: #MS Dune silica, heavy min. sands & modern marine sediments. Sands practic. clay and calcite free, indicating offshore deposition. Age unknown, but they lie on a Cretaceous basement (also major direct sand source) = post-Cretaceous. Very varying provenances: - SEFTON METAMORPHICS; -KINTORE ADAMELLITE; JANET RANGES VOLCANICS (largely rhyolitic tuffs) + KANGAROO RIVER VOLC.; -Serveral Permo-Carboniferous acid intrusives (WEYMOUTH GRANITE); -CARPENTARIA BASIN Sediments: (1). #MN Sand grains clean white rounded Q, >80% finer 20 mesh. Main conc. processes are wind and wave action, chiefly during cyclonic storms. #GM SHB 13: Minor discontinuous patches of H.M., as a surface layer av. 1 cm thick, occur at toe of frontal dune. Area 400 x 2 m #PR Pot: 8 m3 (1).

REFERENCES.: A.O.G. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5403);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI



CR 4857

AUSTRALIAN CONSOLIDATED INDUSTRIES LTD.

MAP SHOWING APPROXIMATE A.C.R. LEASE BOUNDARIES AND APPROXIMATE ALLSTATE A.to P. BOUNDARIES AT SHELBURNE BAY, Nth QLD.

A

Survey By: Aerial & Survey Maps	1in = 0·79mls = 4000ft.	INDEX No.	SHEET No.
Drawn By: G R Pallington.	Scale: 1cm = 0·5kms = 500ms.	SB	1
Date: 20th November 1973	1 : 50,000 (approx).		

DATA SHEET 190

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Saddle Hill **REFERENCE NUMBER:315770**

COMMODITIES ....: SILICA SAND
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 731500 mE, 8677000 mN.
AMG SOURCE/ACCURACY: CR 2623/ CR 4857/ 1000m

1:250 000.....: THURSDAY ISLAND SC54-16
1:100 000.....: CAPE GRENVILLE 7574
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 4-5km SSE of Round Point

LOCALITY ACC.: CR 2623/ CR 4857/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Macdonald Wagner(1981)Dune sand:32000000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.;AP 468M; 1968; ABle, 0,-; R.HARE + ASSOCIATES: AP 468M; 1968: AB1, 0,-: QUEENSLAND SILICA PTY LTD; AP 1222; 1977; aeluo, 0,-;
TECHNIQUES USED ...: Geology,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SILICA.
SECONDARY MINERALS:
GANGUE .....: Q.

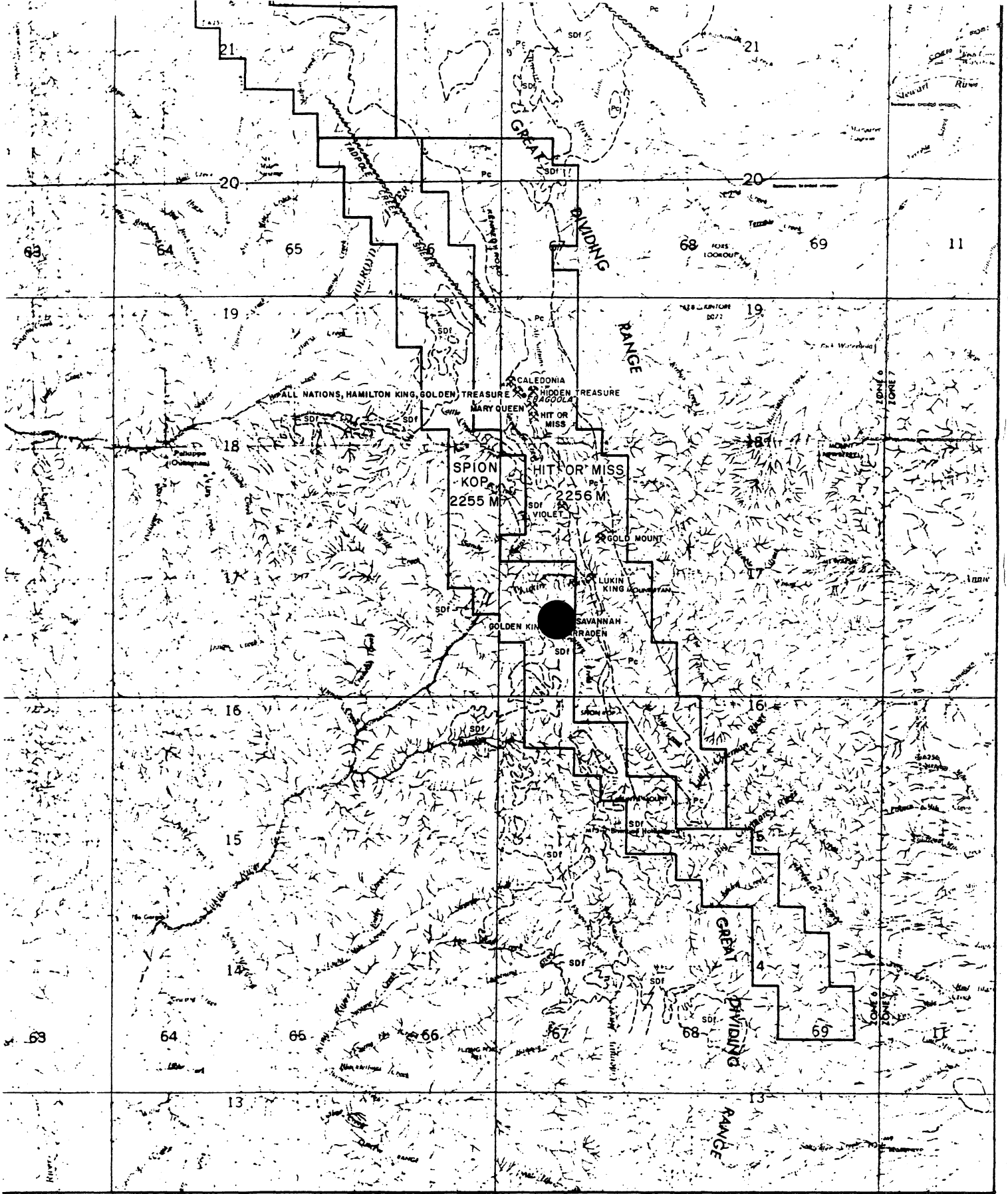
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. Main min. sought in the area: silica, ZR, RUT, and Monazite. Minerals apart from silica are of minor occurrence (5).

REMARKS....: #PROver 500 mill.y3 of high grade, relatively easily mined silica sands. #M1Transport of the sand mainly by SE-winds. Dunes may be several km in length, mostly stabilized by dense, stunted vegetation. Crescent dunes are least contaminated by vegetation. #DDA zone of crescent dunes occurs between White Point and Round Point and up to three miles inland, contains the best prospects for clean silica sand from about ten dunes (1). #CMMost likely source is the Blythesdale Sandstone within and near the AP. Hoever material currently being deposited along the Temple Bay shore is dominatly calcareous skeletal material derived from off-shore coral reefs.

REFERENCES.: R.HARE & ASSOCIATES(1968, QDRI unpublished company report CR 2503);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI



CR 8122

C R A EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT		
TADPOLE CREEK 2252 M, SPION KOP 2255M, HIT OR MISS 2256 M, EMU CREEK 2257M.		
LOCALITY MAP.		
Ref. Ebagoola 1: 250 000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist A D B	Scale. 1: 250 000	Drawn J W

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Savannah (Page 1 of 2)

REFERENCE NUMBER:472008A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..: 15 Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747200 mE, 8400800 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: S Lukin River/ 4.5km WSW of Mo unt Ryan
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 2761t ,
TOTAL PRODUCTION (METAL):156.5kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2016M; 1979; ABFIJONcej,4[Pb,Zn,Cu,Ni,Sb,Bi,Ag,Mo,As,Au,U,Th]; vein min.;CRA EXPLORATION PTY LTD; AP 2257M; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min.; CRA EXPLORATION PTY LTD; AP 2252M/2255M/2256M; 1981; ACNOabcdefq,0
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 70.0m max.wide . OREBODY; Strike 000deg/60deg dip to 270deg. OREBODY; Strike 000 deg/80deg dip to 090deg.
FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Sericitic.

ORE MINERALOGY.
PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

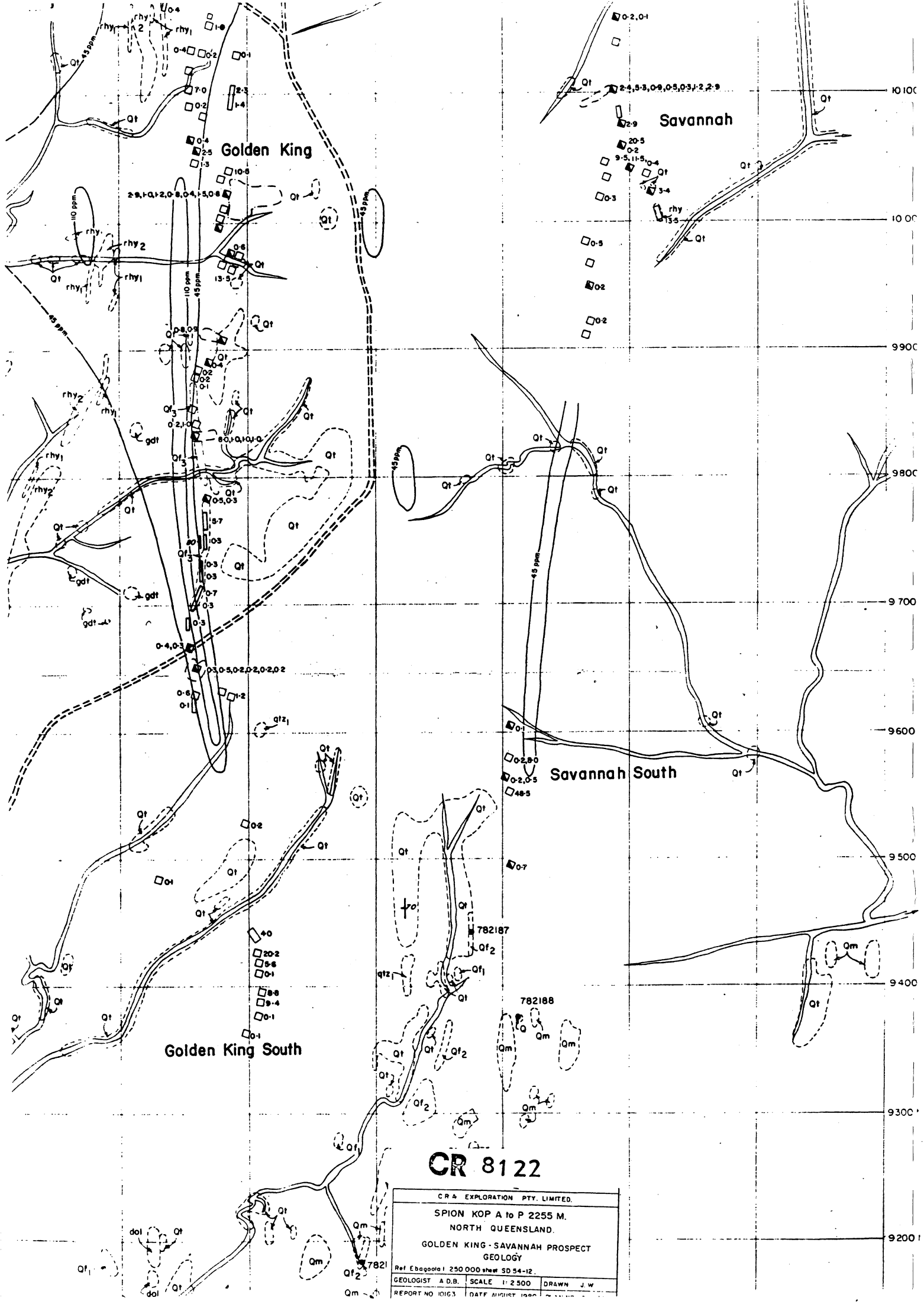
ORE TEXTURES....: Schistose.

ORE GRAIN SIZE..:

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2). Au-min. and PY and traces of ASPY are assoc. with white Q, foliated coarse grained FS-Q rock, and breccia containing fragments of

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS (SER)-Q-Biot rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #M1Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DDSAVANNAH: Extensive kaolinisation and notably less Q.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 7887); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7666);



CR 8122

C R A EXPLORATION PTY. LIMITED.		
SPION KOP A to P 2255 M. NORTH QUEENSLAND. GOLDEN KING - SAVANNAH PROSPECT GEOLOGY		
Ref Etheggoola 1 250 000 sheet SD 54-12.		
GEOLOGIST A.D.B.	SCALE 1:2500	DRAWN J.W.
REPORT NO 1016.3	DATE AUGUST 1980	

NAME(S).....: Savannah (Page 2 of 2)

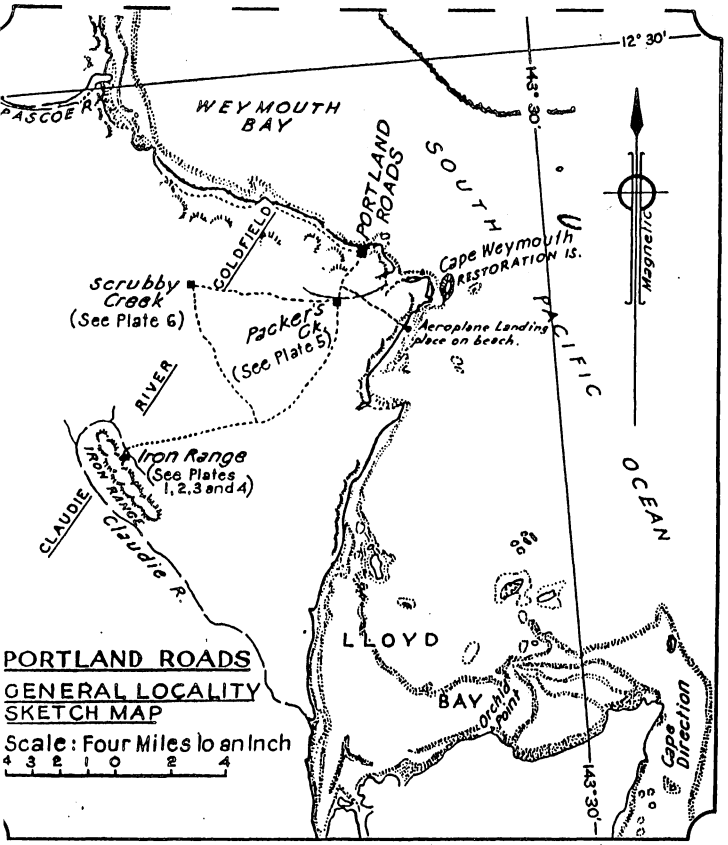
REFERENCE NUMBER:4720088

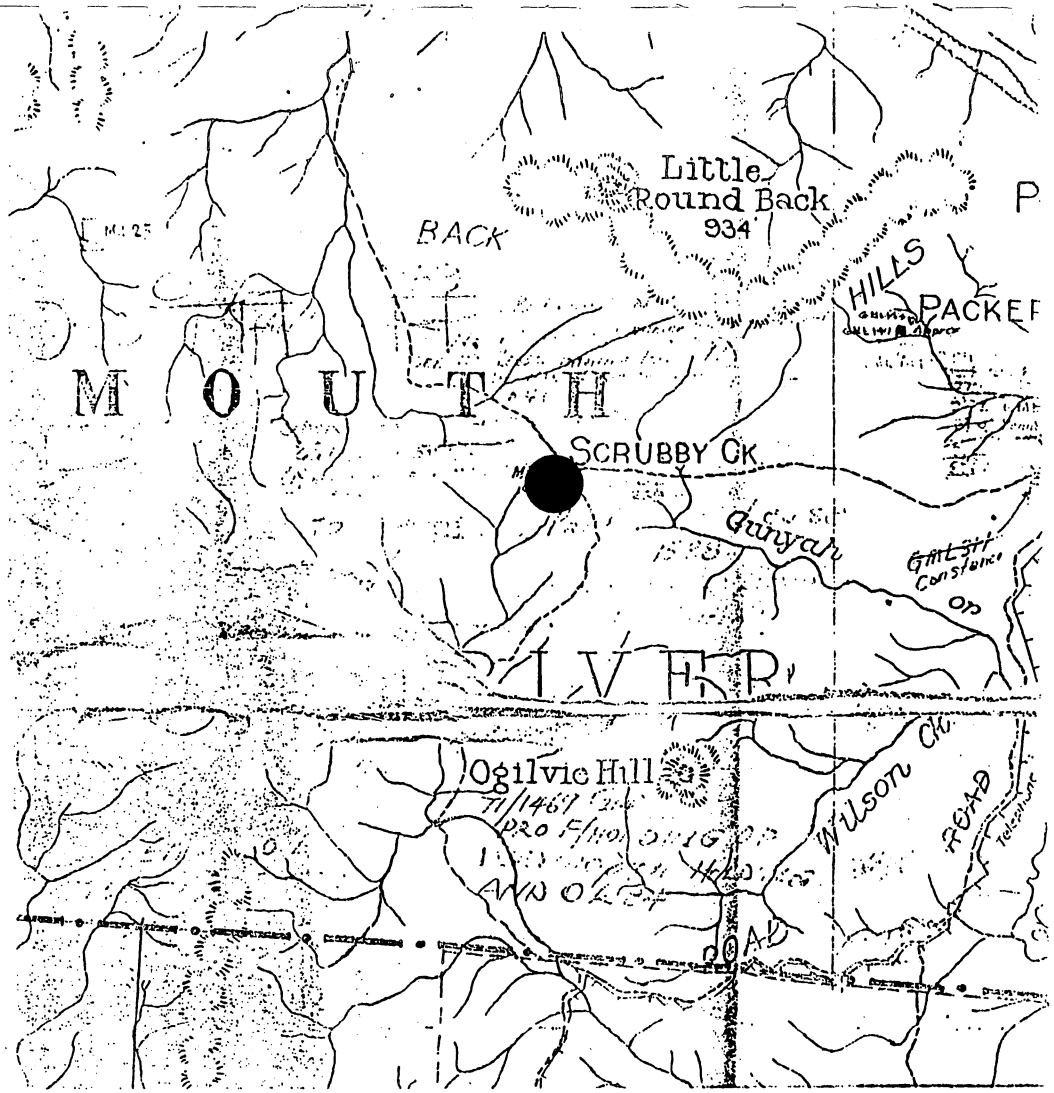
MINERAL EXPLORATION CONTINUED.:
CRA EXPLORATION PTY LTD; AP 2252M/2255M/2256M; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min.

ORE GENESIS CONTINUED.:
the granitoid unit cemented by white Q., iron oxides and CHL.

REMARKS CONTINUED.:
#MSThe marker Horizon consists of a sequence of rhyolithe, chert and cyrstal tuff (strike and thickness variable; (In N close to known workings; in S 275m W of known workings). Rhyolithe/chert horizons vary in composition. Banding could be bedding of chemical sediment or flow banding of rhyolite or bedding of a fine grained crystal tuff. "C"horizon geochemistry indicate gen. lower levels of Cu,Pb,Zn. No obvious assoc. of base metals with known Au-min.(1). Savannah lode (21 samples): Au-values range 0.1 to 20.5ppm (av.:3.65ppm), Ag-values range 0 to 98.5ppm (av.:17.6ppm). #MNAu-min. assoc. with sulphidic white Q, foliated coarse grained pale green sulphid. FDSP-Q rock, and a breccia (fragm. of host rock with white Q, iron ox. and CHL. extens. KAO-alt(4

REFERENCES CONTINUED.:





NORTHERN AERIAL GEOLOGICAL AND GEOPHYSICAL SURVEY AUSTRALIA

PLAN OF
IRON RANGE CENTRE

Scale of Feet
1000 500 0 1000 2000 3000 4000

Plan based on
Triangulation and Compass Surveys by E. Broadhurst, Assist. Senior Geologist and E.O. Rayner, Assist. Geologist.

E. Broadhurst Assist. Senior Geologist.
1-2-1937

E.O. Rayner Assistant Geologist
1-2-1937

Reference

Adits shown thus: ..A.
Shafts .. .. ".. .. " .. .. ■

DATA SHEET 193

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Scrubby Creek

REFERENCE NUMBER: 539020

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Opencut, Pit(s), Shaft(s).
EXTENT OF WORKINGS: WIDTH: 5.0 m, DEPTH: 13.0 m,
AMG GRID REFERENCE.: 753900 mE, 8602000 mN.
AMG SOURCE/ACCURACY: Cr 4778/Geol. Plan 1/ 1000m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: CAPE WEYMOUTH
LOCALITY.....: 6 km WSW Cape Weymouth

LOCALITY ACC.: CR 4778? Geol. Plan 1/ 1000m

MINING TENURE.....: (GML 88)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: CRA EXPLORATION PTY LTD; AP 1295M; 1974; BCadhilq, 0, [Pb,Zn,Cu,Ni,Co,Cr,Mn,Ag,Au,Mo,As,Hg, Sb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: WEYMOUTH GRANITE
HOST ROCK TYPE: Biotite granite/ Diorite.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 500.0m av.long x 13.0m max.wide x 13.0m min.vert.depth.. OREBODY; Strike 000deg/ Unknown dip to 270deg.
FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....:

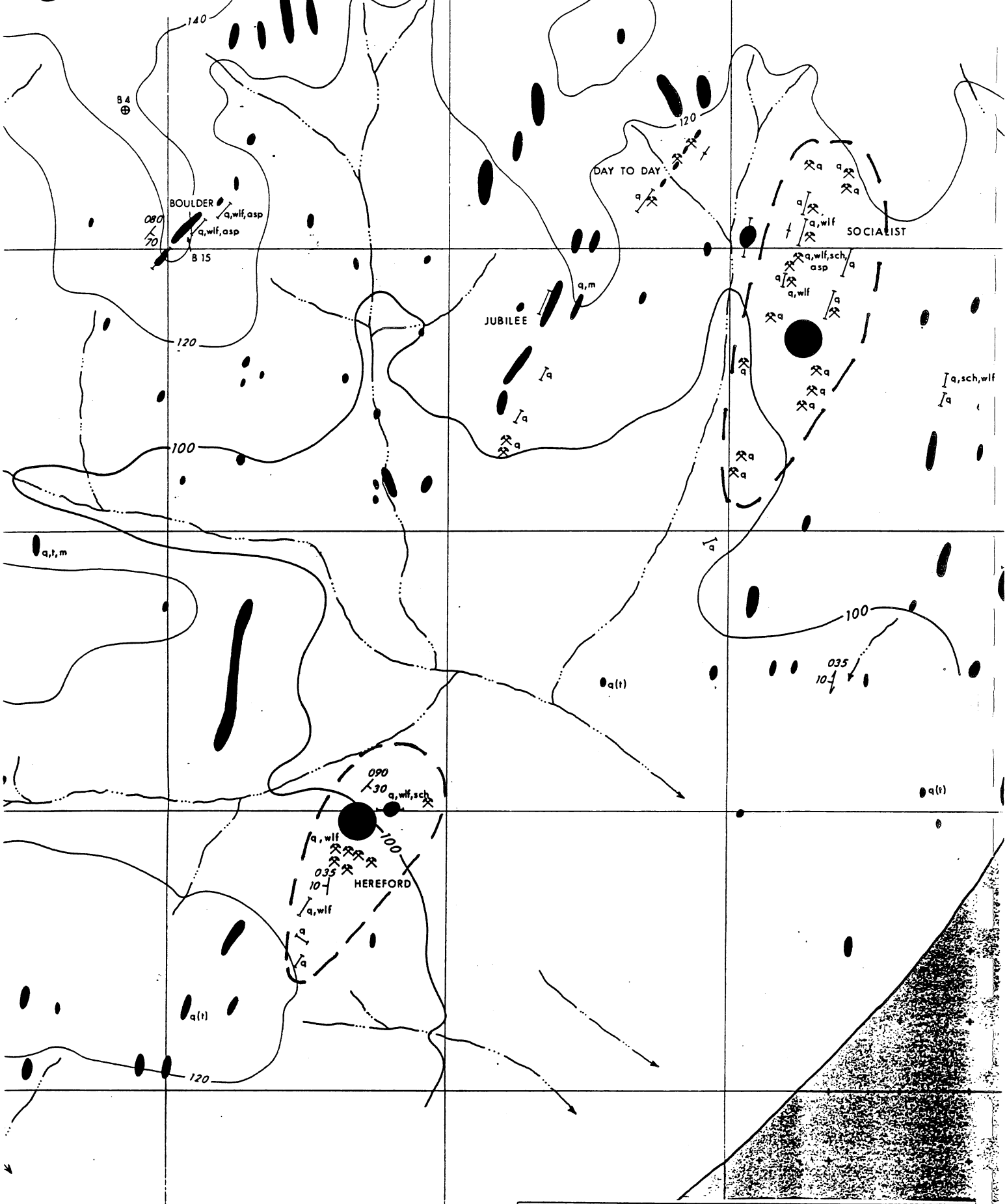
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDLocality noted in plan 1 without further information GRID NET for longitude 143 20 has been placed uncorrectly in this map (plan 1). Corrected line was estimated! The area is in a National Park (Topogr. Map C.W. 7572; 1:100000). #MSDiorite observed in small outcrops at Scrubby Creek. Large formation striking NS, dipping W. Formation not exposed over full length/width, but open cut is 2,3m deep and 5m wide, consisting of large lenses of Q in decomposed rock. #MN Arsenical PY present in ore. #PR Av. 2.67 oz/t Au for 32.5 tons of selected ore. #M1Locality map of Claudie River area shows Scrubby Creek mine to be further N of plotted location on topogr. map 7572, Cape Weymouth.

REFERENCES.: CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);Shepherd, S.R.Leonhard(1936); Jensen, H.I(1963-64);



INTERPRETATIVE GEOLOGY

CR 7872

EXPLORATION BRISBANE

WORKINGS GRID
AUTHORITY TO PROSPECT 1889M
BOWDEN AREA
NORTH QUEENSLAND

COMPILED: G R Meates	DRAWN D Haines DATE April 1980	SCALE 1:2500	PLATE B2

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Socialist;Hereford (Page 1 of 2)

REFERENCE NUMBER:191811A

COMMODITIES ....: TUNGSTEN,ARSENIC,BISMUTH?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 15/01/90
METHOD OF WORKING..: 16 Pit(s), Trench(es).
EXTENT OF WORKINGS: WIDTH: 2.3 m, DEPTH: 1.3 m,
AMG GRID REFERENCE.: 719100 mE, 8581100 mN.
AMG SOURCE/ACCURACY: CR 7872/ 300m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: BOWEN

GENERAL AREA.: W GREAT DIVIDING RANGE
LOCALITY.....: W Portland Rd./ 7.8 Km SW of M ount Bowden.
LOCALITY ACC.: CR 7872/Plan + Geol.Map SD54-4/ 3 00m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1905-1916; 1952
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):7.0t W, (Willmott, W. et al.,1973).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:UTAH DEVELOPMENT Co EXPLORATION Brisbane; AP 1889M; 1980; AB(E)Fckq,6, [W,Bi,As,Sn,Cu,Pb],-; CONSOLIDATED MINING IND; AP 515M; 1969-70; ABJabdq, 4, [Sn,Bi,W],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quartz micaschists and quarzites.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY/SCHISTO; Strike 010deg/08deg dip to 100deg.

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : WOLF,SCHE,ASPY,GAL,PY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Q-reefs: with Wolframite (Scheelite intergrown with WOLF and tungstite) and secondary arsenic minerals are common. Quartz with saccharoidal texture: Product of intense greisenisation at the wall rock.

REMARKS....: #GMQ-reefs formed by forceful injection into, and particial replacement of metasediments rather than passiv infillment of open fissures (lensic shape of reef). #MNWOLF commonly cut and disrupted by Q-veinlets - consistent with deformation noted in the pegmatites and other intrusives (1). One major reef system in outcrop. Overall dip 7 to SE and it accounts for all worked min. within 800m of the Adamellite contact. #CMTungsten and arsenic are anomalous around the outcropping tungsten min.; forms halo to this min. system in the overlying rocks (2). Pegmatite bodies emanate from cusp and are mantled by masses of greisenised schist. #GMPotential of area in two target types: sheeted vein and greisen. #ALGreisenisation apparent in wall rocks around the min.

REFERENCES.: UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7141);UTAH DEV Co EXPLORATION Brisba(1980, QDRI unpublished company report CR 7872);Willmott, W. et al.(1973);Cherry, F.J.(1907); Morton, C.C(1924);UTAH DEV Co EXPLORATION Brisba(1979, QDRI unpublished company report CR 7645);CONSOLIDATED MINING IND LTD(1969, QDRI unpublished company report CR 3025);CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3399);

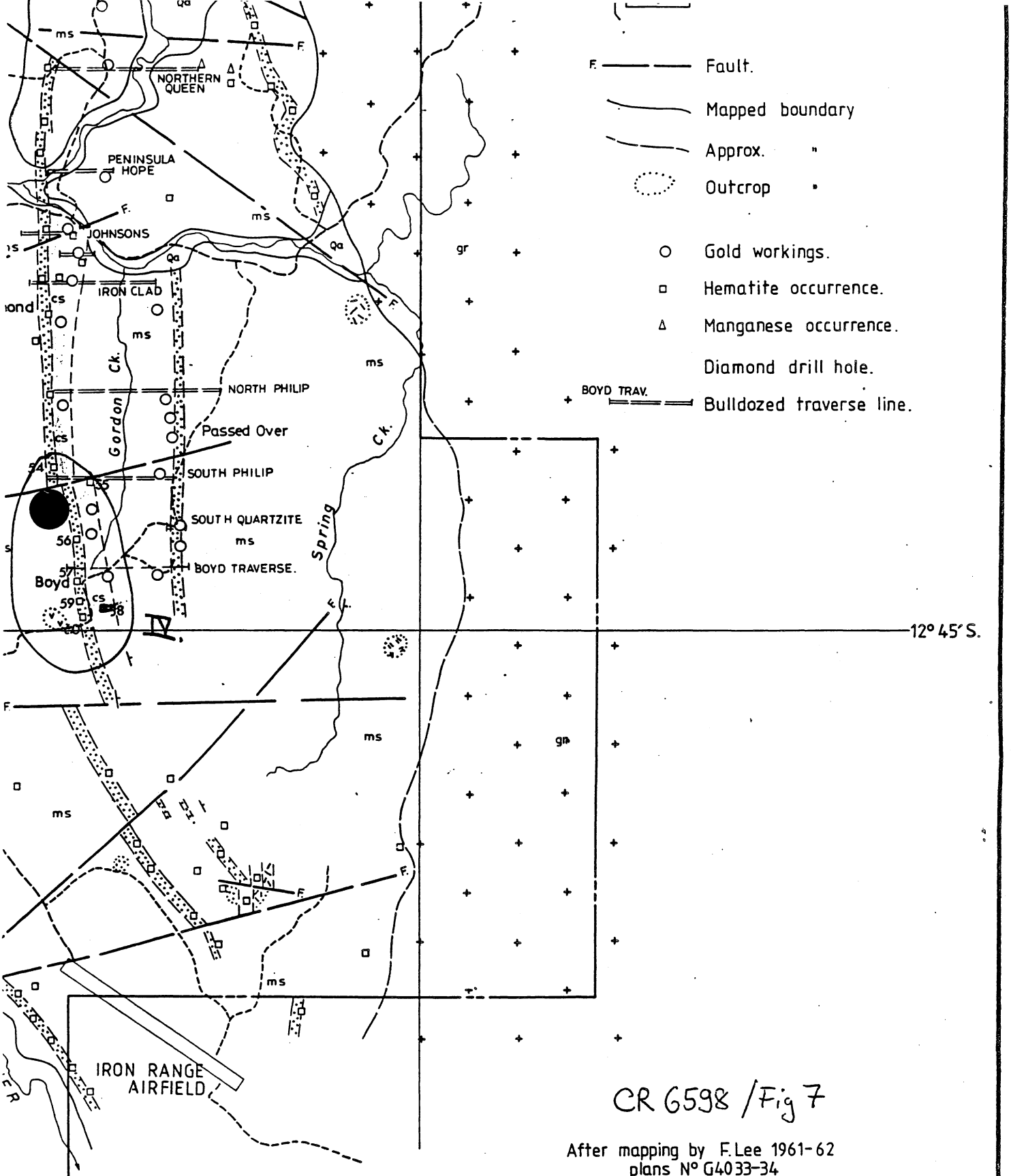
NAME(S).....: Socialist;Hereford (Page 2 of 2) REFERENCE NUMBER:191811B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
WOLF-SCHE-ASPY min. occurs in lenticular Q-reefs forming a single reef system the configuration of which is derected by a single plane of weakness dipping at 7 to the SE. Reefs almost exclusively Q, next common gangue min. = MUS. TOUR (schorl) is common. Metallic content (low & sporadic): ASPY common; Iron sulphides minor, BE, MOLY and BIS as trace (7,8).

REMARKS CONTINUED.:
#ALQ-reefs indicate conditions of tight cover rocks and hence top of the cusp greisen possibilities. #CMWOLF occurs in Q-lodes in a strip 2.5 km long by 1.5 km wide in disturbed mica schist (SEFTON METAMORPHICS), close to the contact of the (WEYMOUTH) Granite. Lodes are 2m wide and gen. concordant with strike and dip of the schists (few occupy vertical fissures in the schist). #MNWOLF conc. in bunches in Q., in places accompanied by TOUR, ASPY, PY, and according (4) BI. WOLF very seldom disseminated (1x)(3). #M1General outcrops show strong limonitical cover: lateritisation (2). #M2Soil Geo: W(<5-1200 ppm) anomalism sharpely defined ag. background, numerous discrete An.. Downslope dispersion from min. common. Sn: (<5-699 ppm) Low An: corr. W; #MSAs: Anomalism broad and strong (<1-2.500 ppm). Pb: minor. Cu: (2-130 ppm) follows pattern auf Pb. Bi: (<5-40 ppm)(2). #CMProductive reefs controlled by schistosity or discordant. Reefs are lensic (swell from nothing to several m.)(1). In historical times most W won from lodes, the rest from alluvials or W-patches in Q-blinkers. #M1C.M.I found 11 outcropping reefs (av. thickness: 1 to 1.5 m). Rock chip: 9 reefs anomalous in W: averaging at 0.22% W. 4 reefs aver. at 0.51%W (Range 0.41-0.56% W)(8). #DDSO CIALIST: ~200m S of DAY TO DAY, parrallel lode. Very rich W obtained. Shaft sunk 13m on lode (2m wide at bottom). HEREFORD W.: 500m W of S.W. Lode (2.3m thick) lies almost flat on surface, at depth dips SE. Orebody: iron-stained Q. 2 pits (<4.6 m depth)

REFERENCES CONTINUED.:



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Scale 1: 50.000

1 2 3 4 KILOMETRES

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 196

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: South Philip

REFERENCE NUMBER: 500897

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750000 mE, 8589700 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ 100 m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE, Boyd Traverse.
LOCALITY.....: 4.6 km N of Lockhart R. Airfie ld (Group IV on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group IV)/ 100 m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

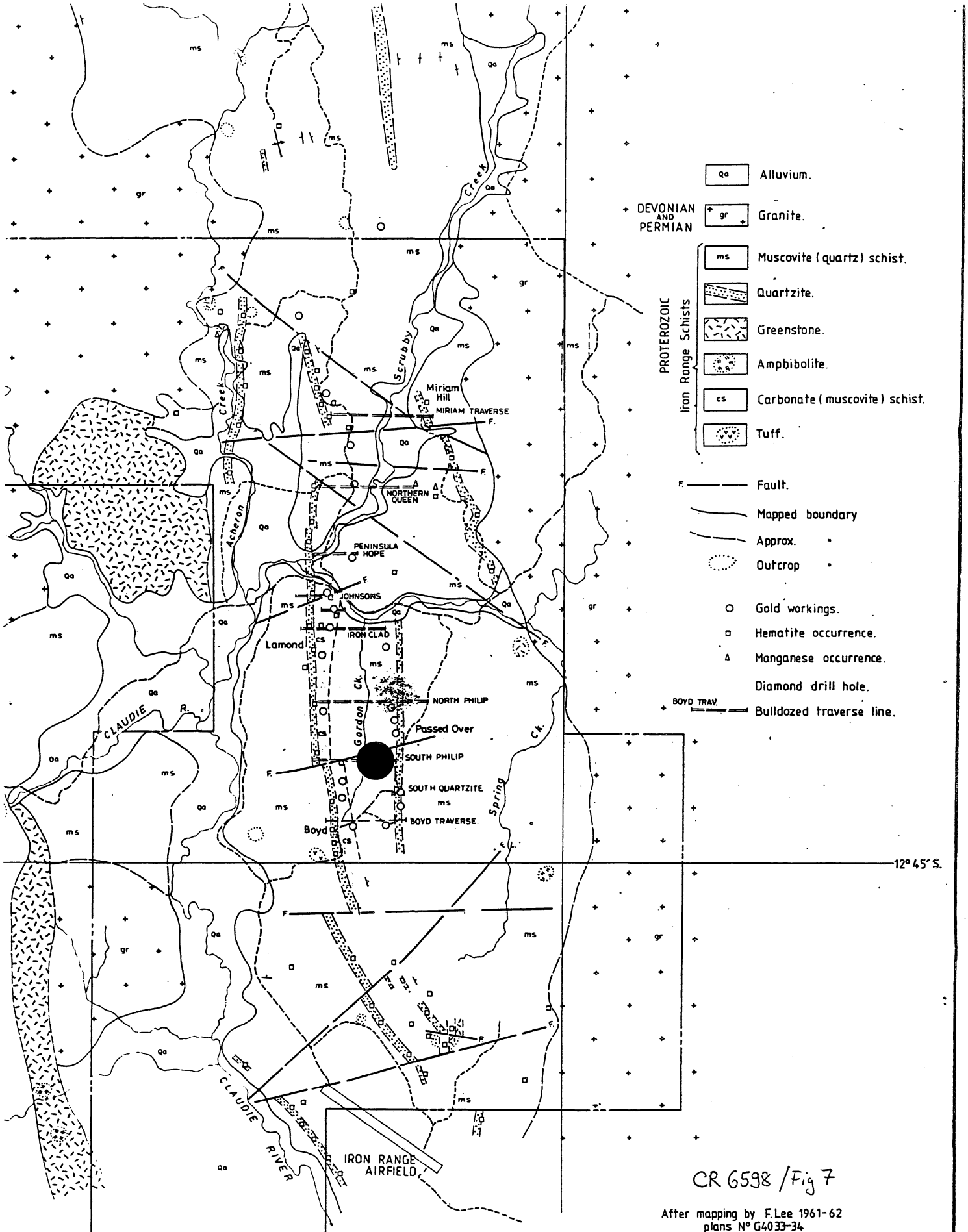
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #MlLocalities from the geological map, Fig.7 of CR 6598. Locality shows several (7) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 54. 749700/8591050; 55. 749950/8590950; 56. 749850/8590300; 57. 749900/8589900; 58. 749950/8589800; 60. 749900/8589700; 59. 749900/8589800;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne	
Traced: G.B.	Project No.:	Drawing No.: A2-1258	
Checked:			

Revisions:

DATA SHEET 197

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: South Phillip

REFERENCE NUMBER: 507909

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750700 mE, 8590950 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.7km ESE of Phillip Hill (No. 16 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Veins.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

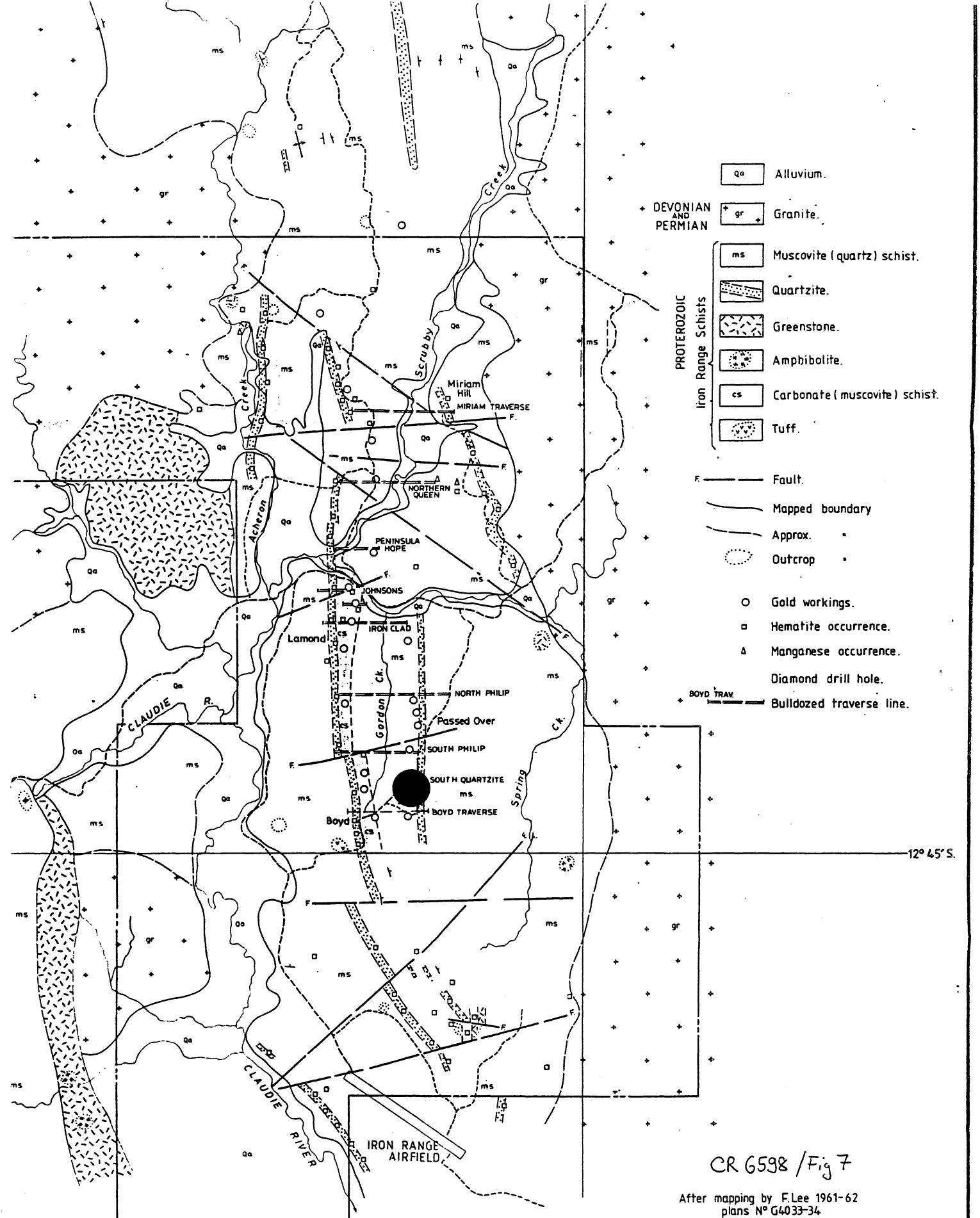
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne	
Traced: G. B.	Project No.:	Drawing No.: A2-1258	
Checked:			

Revisions:

DATA SHEET 198

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: South Quartzite **REFERENCE NUMBER: 509904**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750900 mE, 8590400 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER .

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.0km SE of Phillip Hill (No. 20 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: BEDDING; Strike 180deg/50deg dip to 090deg. OREBODY; Strike 180deg/Unknown dip.

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

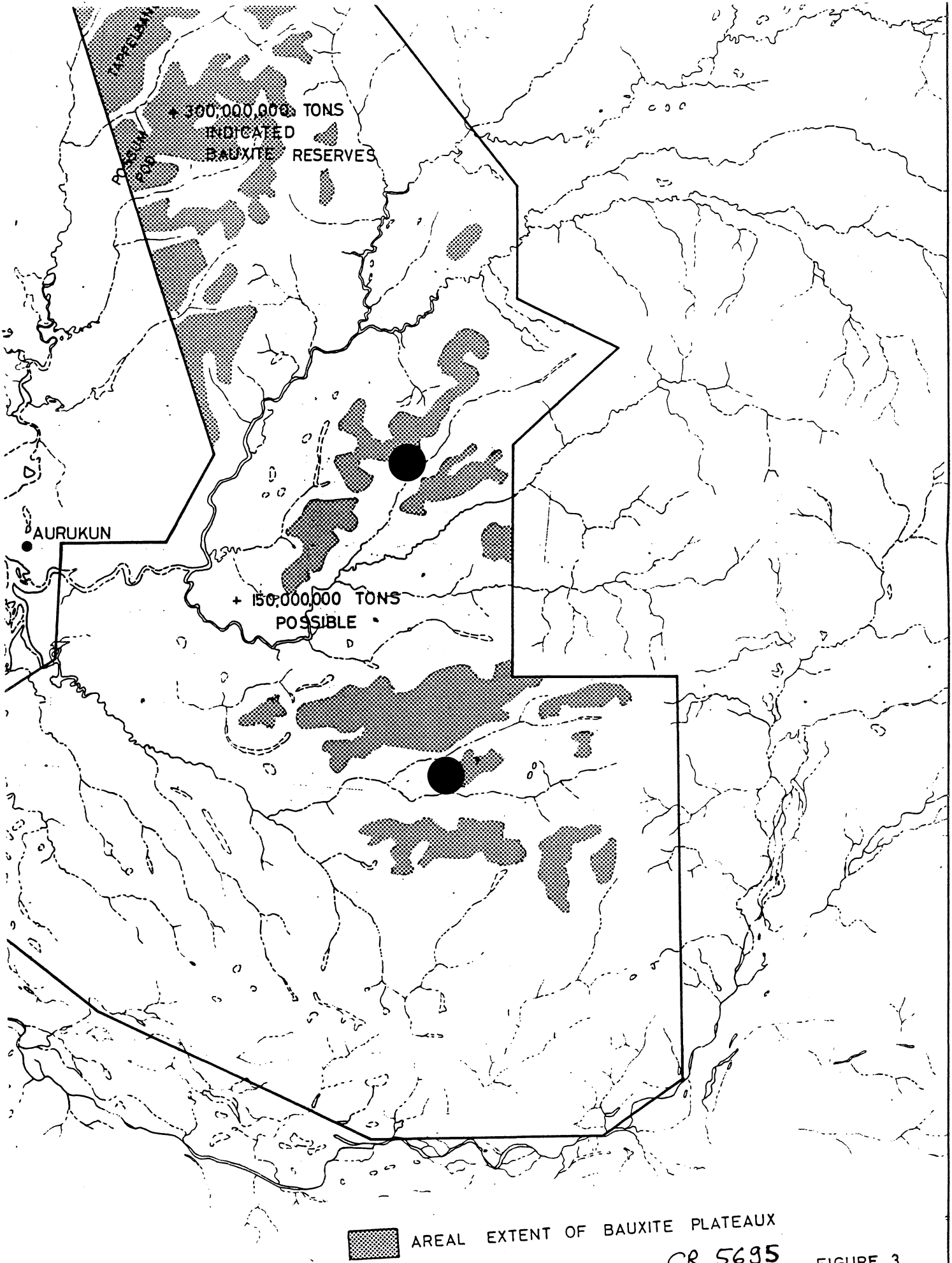
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #PRHighest Au-values obtained were 2g/t Au over 25m (1; Fig 6). Recognition that wide low grade Au occurs within the actual quartzite as well as in the quartz veins in schist enhances the Au-potential of the area.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 5695

FIGURE 3

EXTENT OF BAUXITE PLATEAUX

FIGURE 3

TIPPERARY LAND & EXPLORATION CORP.	
AURUKUN PROJECT A.T.P. 493 M.	
SCALE : 1: 250 000	REF. NO.: 71-003
DRAWN: Hans Allies	DATE : Jan. 05. 1971

DATA SHEET 199

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Southern(Kokialah Area) REFERENCE NUMBER:980240

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 22/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 598000 mE, 8524000 mN.
AMG SOURCE/ACCURACY: CR 5695/Fig. 3/ 100m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: AURUKUN 7271
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: AURUKUN
LOCALITY.....: 20km NNE of Aurukun mission/3k m NNW of Beagle landing ground
LOCALITY ACC.: CR 5695/Fig. 3/ 100m

MINING TENURE.....: SBML-9

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:18800000t @54.0%A1A1,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:4700000t @50.0%A1A1,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:14500000t @50.0%A1A1,
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/Holland Aluminium Groupe Pechiney; AP 549M; 1971; BCTeflkost,5, weathered surface soil strata;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite/ arkose sandstones.
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS
GANGUE .....: Q,KAO,

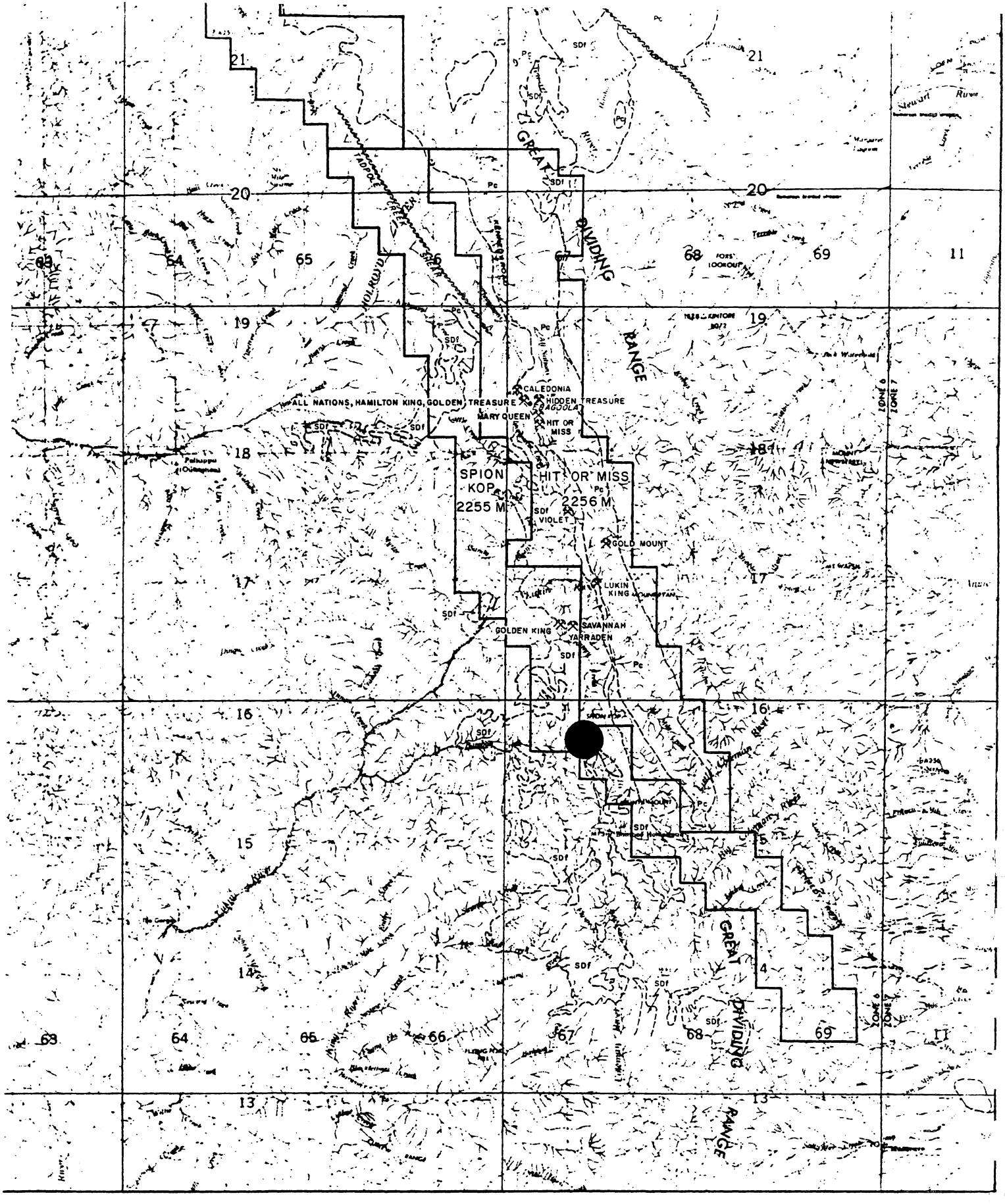
ORE TEXTURES....: Cataclastic.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soils, pisolitic bauxites.

REMARKS....: #MNAurukun BX has higher content of silica than Weipa BX causing high consumption of caustic soda during processing (2). #M1Alumina and reactive silica cut-off grades: 54%A1203 & 8%Si02: 18800000 metric dry t; 50%A1203 & 8%Si02: 4700000 t; 50%A1203 & 10%Si02: 14500000 t; #M2The SBML-9 reserve held by Pechiney is concidered as a stretigic reserve as safeguard against Comalco exploiting its sole supplier situation. #PRA further 150000000 t are regarded possible in the Kokialah area.

REFERENCES.: Wolff, Kevin W.(1990);TL&EC/HOLLAND ALUMINIUM G PECH(1971, QDRI unpublished company report CR 5695); Aurukun Joint Venture(1975, QDRI unpublished company report CR 5696);



CR 8122

CRA EXPLORATION PTY LIMITED		
AUTHORITIES TO PROSPECT TADPOLE CREEK 2252M, SPION KOP 2255M, HIT OR MISS 2256M, EMU CREEK 2257M. LOCALITY MAP.		
Ref. Ebagoola 1:250000 sheet SD 54-12, Coen sheet SD 54-8		
Geologist. A.D.B.	Scale. 1:250000	Drawn. J.W.

DATA SHEET 200

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Spion Kop (Page 1 of 2) **REFERENCE NUMBER:482945A**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 748200 mE, 8394500 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: KALKAH 7568
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: S.Lukin River/Point 315, Spion Kop
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD; AP 2257; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252/2255/2256; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min. CRA EXPLORATION PTY LTD; AP 2016M; 1979; ABFIJNOcej,4[Au,As,Pb,Cu,Zn,Sn
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

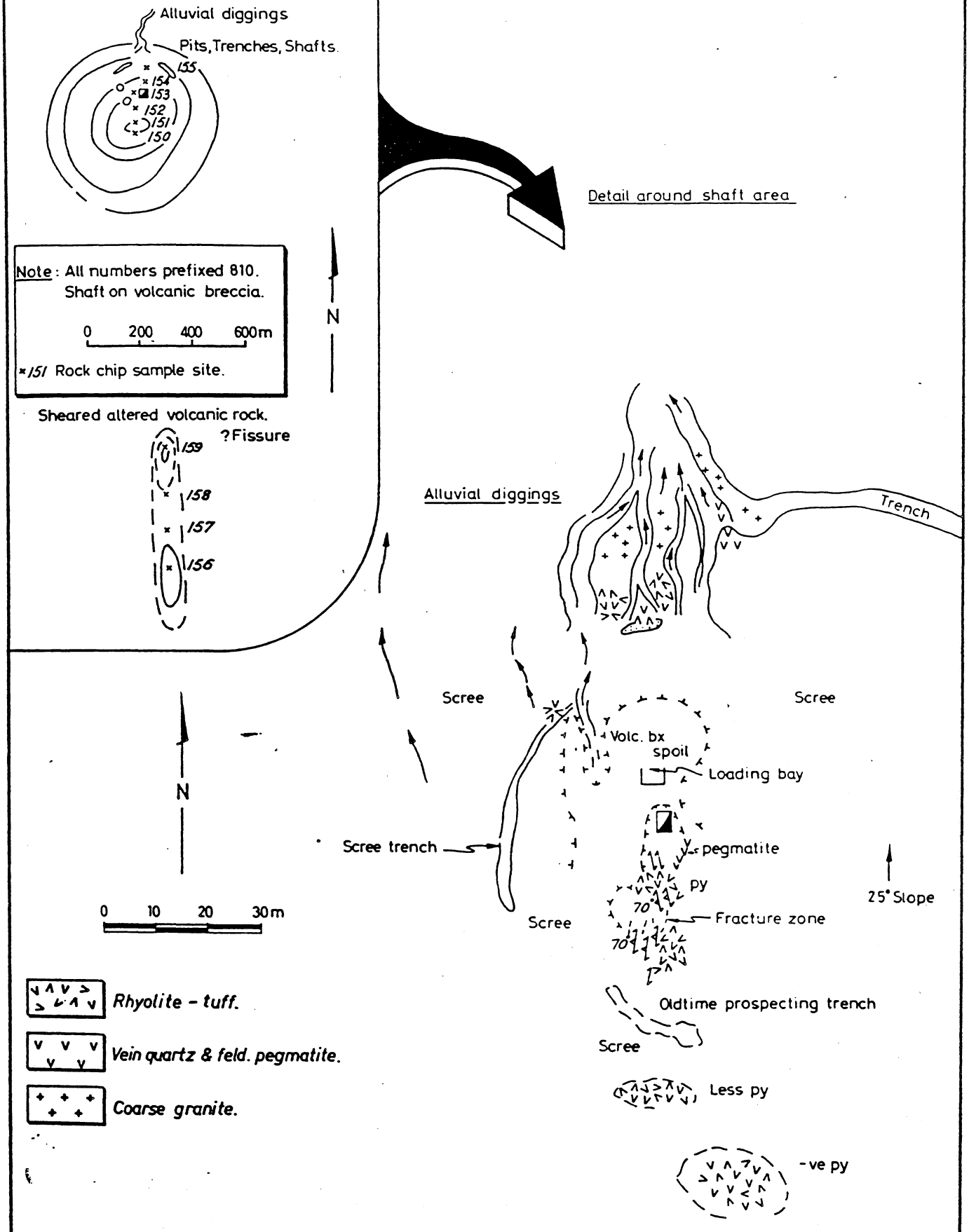
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2).

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS (SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #M1Initial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DDSPION KOP: Au-min. in siliceous lapilli tuff, agglomerates and breccias.

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 7887);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7666);



T & A EXPLORATION PTY LIMITED

SPION KOP A-P 2256M

SKETCH MAP SHOWING ROCK CHIP SAMPLE SITES & GEOLOGY

CR 10609

GEOLOGIST A.D.B.	SCALE 1:20000 1:1000	DRAWN H.M.
REPORT NO 10927	DATE SEPT 1981	PLAN NO Om 1892

NAME(S).....: Spion Kop (Page 2 of 2)

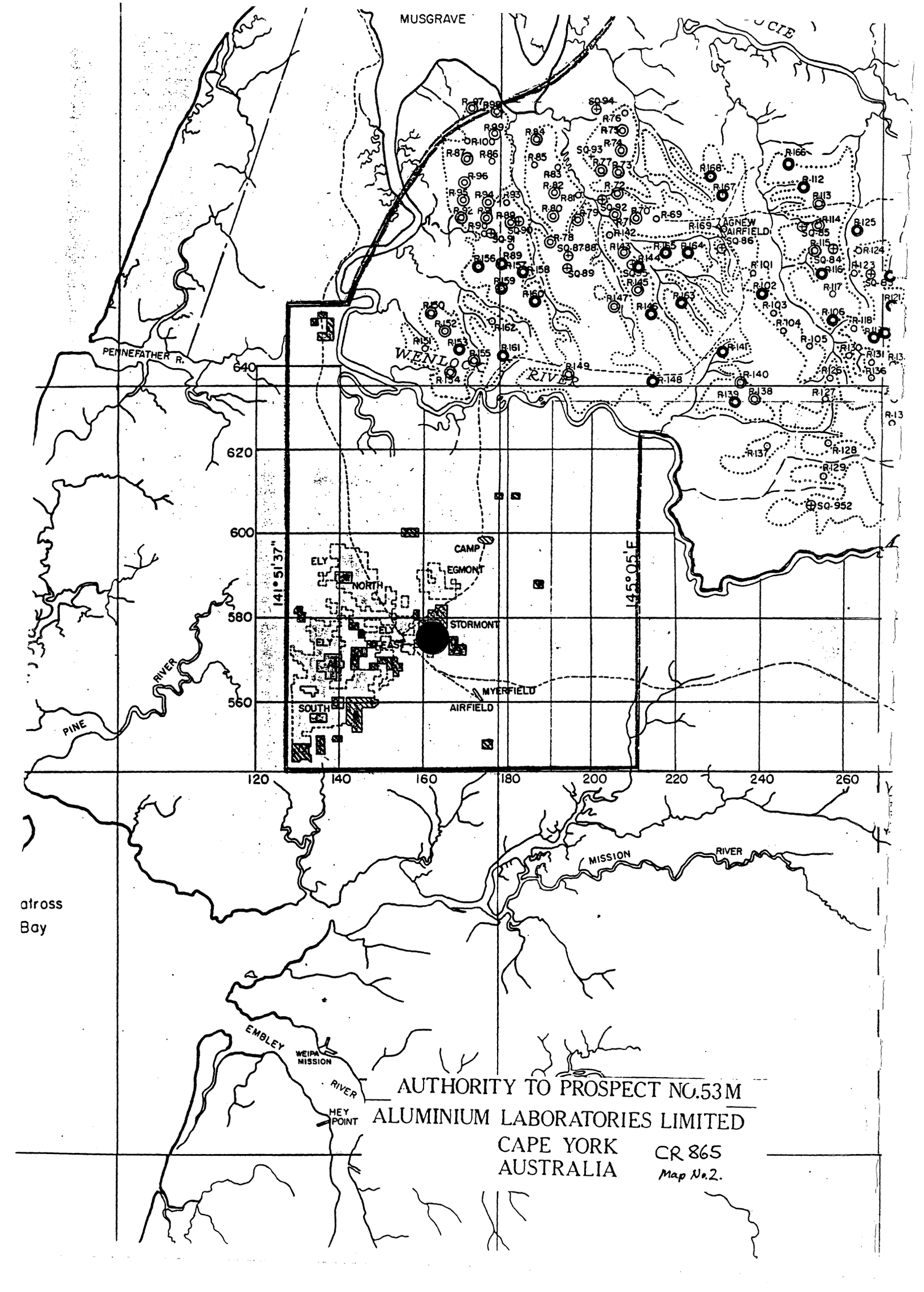
REFERENCE NUMBER:482945B

MINERAL EXPLORATION CONTINUED.:
CRA EXPLORATION PTY LTD; AP 2257M; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252M/2255M/2256M; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,As]; Vein min.

ORE GENESIS CONTINUED.:
Anomalous Mo-values assoc. with sulphidic agglomerate (ranging 1.0 to 80.0 ppm with av.: 28.0 ppm)(4). Sulphides within aggl. comprise of ASPY, PY, MOLY.

REMARKS CONTINUED.:
#MSAu-min. occurs in a siliceous lapilli tuff, agglomerate and breccia at the contact with granite. No evidence of these rocks being deposited in water and the lack of sulphur in the system is noticable. Fragments (rounded to sub-angular) within the rock include micaschist, granite, banded chert (or rhyolite) FS and Q.(1). Host rock outcrop: Q-FS-MUS-granitoid and porphyritic granodiorite. A prominant N-S trending ridge of Q-veined "rhyolite" crops out 1km due S od S.K.Hill.
#M2Geochemistry: 6 composite rock chip samples around main shaft; 3 r.chip samples from Q-veined rhyolite.Samples crushed to 80 mesh and assayed for Pb,Zn,Cu,W,Mo,As,Au,Sn by Analabs of Mount Isa. Anomalous Mo values: (1-80 ppm).

REFERENCES CONTINUED.:



AUTHORITY TO PROSPECT NO. 53M

ALUMINIUM LABORATORIES LIMITED

CAPE YORK
AUSTRALIA

CR 865

Map No. 2.

DATA SHEET 202

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Stormont

REFERENCE NUMBER:044290

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 604400 mE, 8629000 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

1:250 000.....: WEIPA SD54-03
1:100 000.....: PENNEFATHER RIV 7273
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast/S of Wenlock River
LOCALITY.....: 6.5km NNW of Myerfield landing ground
LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1961)indicated BX:20000001g t @45.0%A1Al,ALUMINIUM LABORATORIES LTD(1961)indicated BX:147000001g t @45.0%A1Al,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,5, weathered surface soils;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite with pisolitic bauxite.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 3.5m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

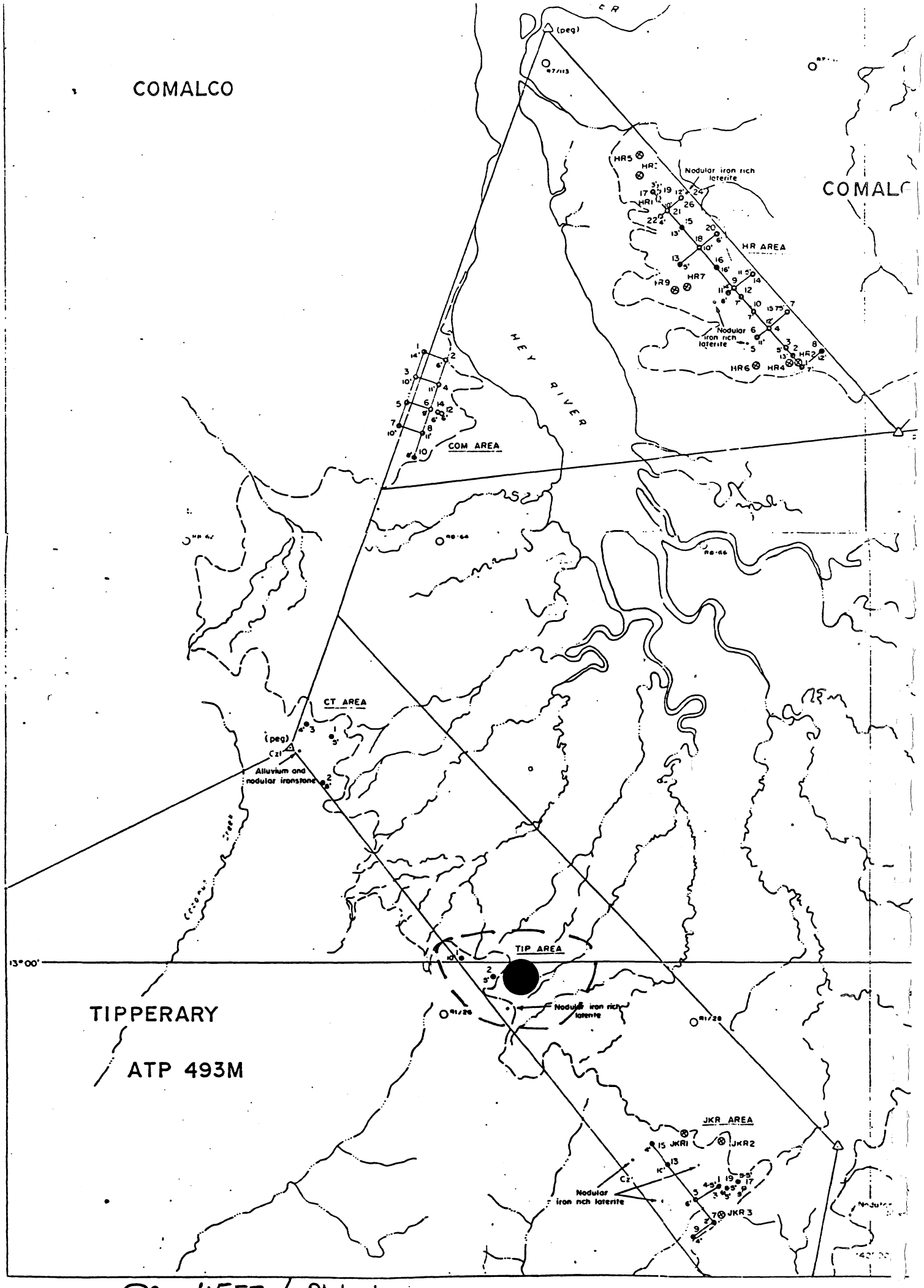
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile.

REMARKS....: #MSLaterite soils, particularly pisolitic laterite and bauxite, are generally present on peneplain remnants (with 20 miles zone along present shoreline of the Gulf of Carpentaria). Ferruginous, porous and relatively hard laterite masses are common along slightly denuded areas. Where drilled, bauxite and laterite were both found to be underlain by clays, brownish to white mottled or veined in colour. #PRBauxite reserves (basis:<15%SiO2,>45%Al2O3): 14700000 long tons (indicated) with av. thickness 2.3m andav. 1.3m overburden; (basis:<7.5%SiO2,>45%Al2O3): 2000000 lg t (indicated: 1.6m av.thickness, 1.6m overb.). #M1All tonnages on crude wet basis, while grades on dry basis.

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);



CR 4557 / Plate 1

AUSTRAL-PACI

DATA SHEET 203

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: TIP- Area

REFERENCE NUMBER:970630

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 15/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 597000 mE, 8563000 mN.
AMG SOURCE/ACCURACY: CR 4557/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: WEIPA 7272
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: South of Weipa
LOCALITY.....: 35km S of Weipa Airstrip

LOCALITY ACC.: CR 4557/ 100m

MINING TENURE.....: SBML-8

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Wolff, Kevin W.(1990)possible BX:500000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRAL-PACIFIC MINING Co LTD; Ap 838M; 1970; CEcelq,3, weathered surface soil strata.

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2.0m av.vert.depth..

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX
GANGUE .....:

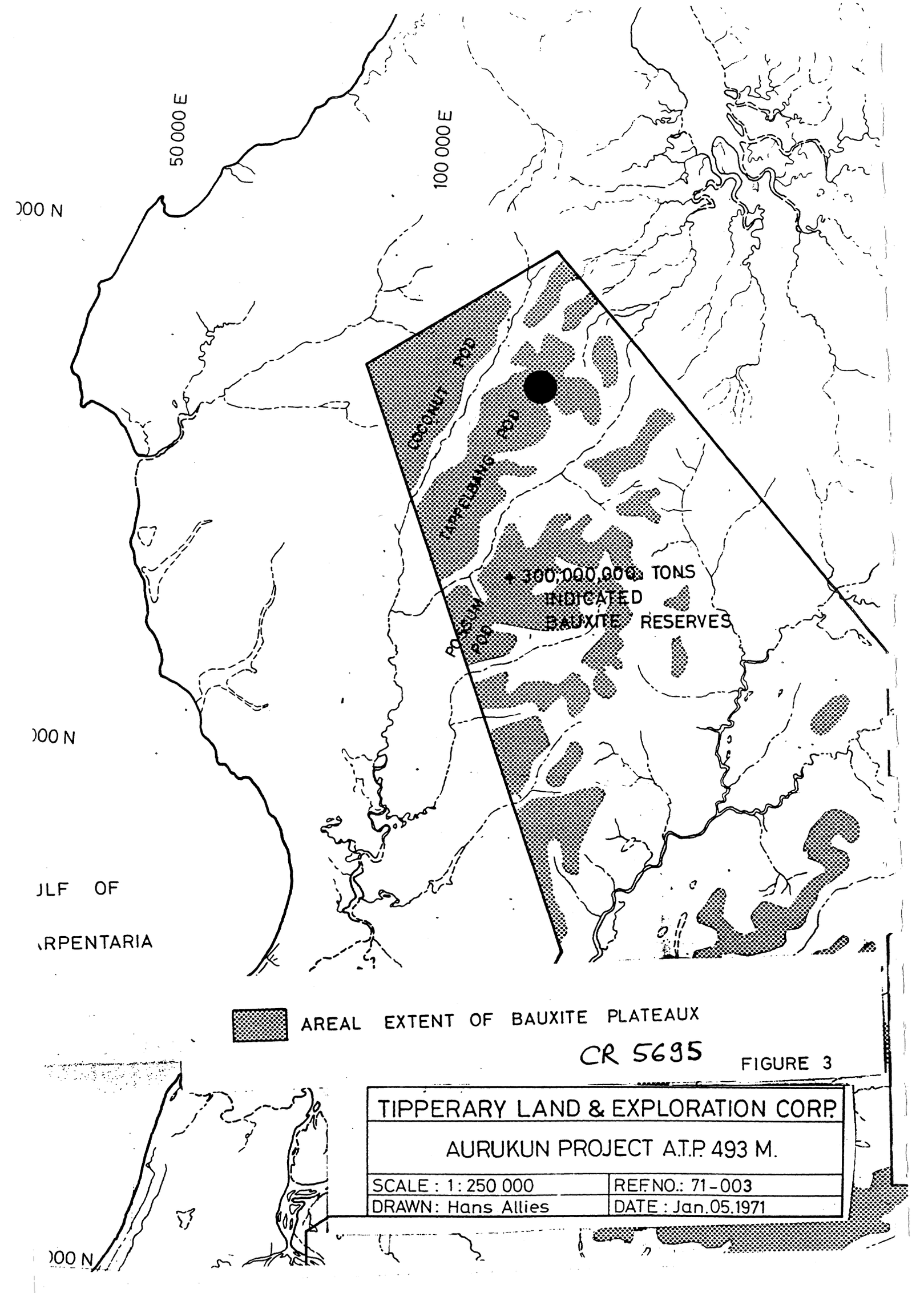
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soil strata.

REMARKS....: #DDAlcan Australia LTD holds Special Bauxite Lease No.8, situated NE of Comalco's Weipa minesite, ajoining SBML-1. #M1Approx. 5 square miles of pisolitic aluminous laterite have been located by detailed exploration drilling in AP 838M, representing 33.5 million tonnes of material. 19.1 million tonnes have grades >45%Al2O3,<15%SiO2. 1.9 million tonnes of this are within the current economic limit of >40%Al2O3,<8%SiO2. #M2In the TIP-drilling area 2 holes(5m) estimated 0.5 million tonnes of ore. Average thickness of pisolitic horizon was 2m.

REFERENCES.: Wolff, Kevin W.(1990);AUSTRAL-PACIFIC MINING Co LTD(1970, QDRI unpublished company report CR 4557);



CR 5695

FIGURE 3

TIPPERARY LAND & EXPLORATION CORP.	
AURUKUN PROJECT A.T.P. 493 M.	
SCALE : 1:250 000	REF.NO.: 71-003
DRAWN: Hans Allies	DATE : Jan.05.1971

DATA SHEET 204

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Tappelbang Pod

REFERENCE NUMBER:860540

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 22/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 586000 mE, 8554000 mN.
AMG SOURCE/ACCURACY: CR 5695/Fig. 3/ 100m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: AURUKUN 7271
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: AURUKUN
LOCALITY.....: 31km NNE of Aurukun mission/7k m SSW of Beagle landing ground
LOCALITY ACC.: CR 5695/Fig. 3/ 100m

MINING TENURE.....: SBML-9

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:7200000t @54.0%A1A1,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:34600000t @50.0%A1A1,TL&EC/HOLLAND ALUMINIUM G PECH(1971)estimated:42300000t @50.0%A1A1,
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TL&EC/Holland Aluminium Groupe Pechiney; AP 549M; 1971; BCTeflkost,5, weathered surface soil strata;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite/ arkose sandstones.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS
GANGUE .....: Q,KAO,

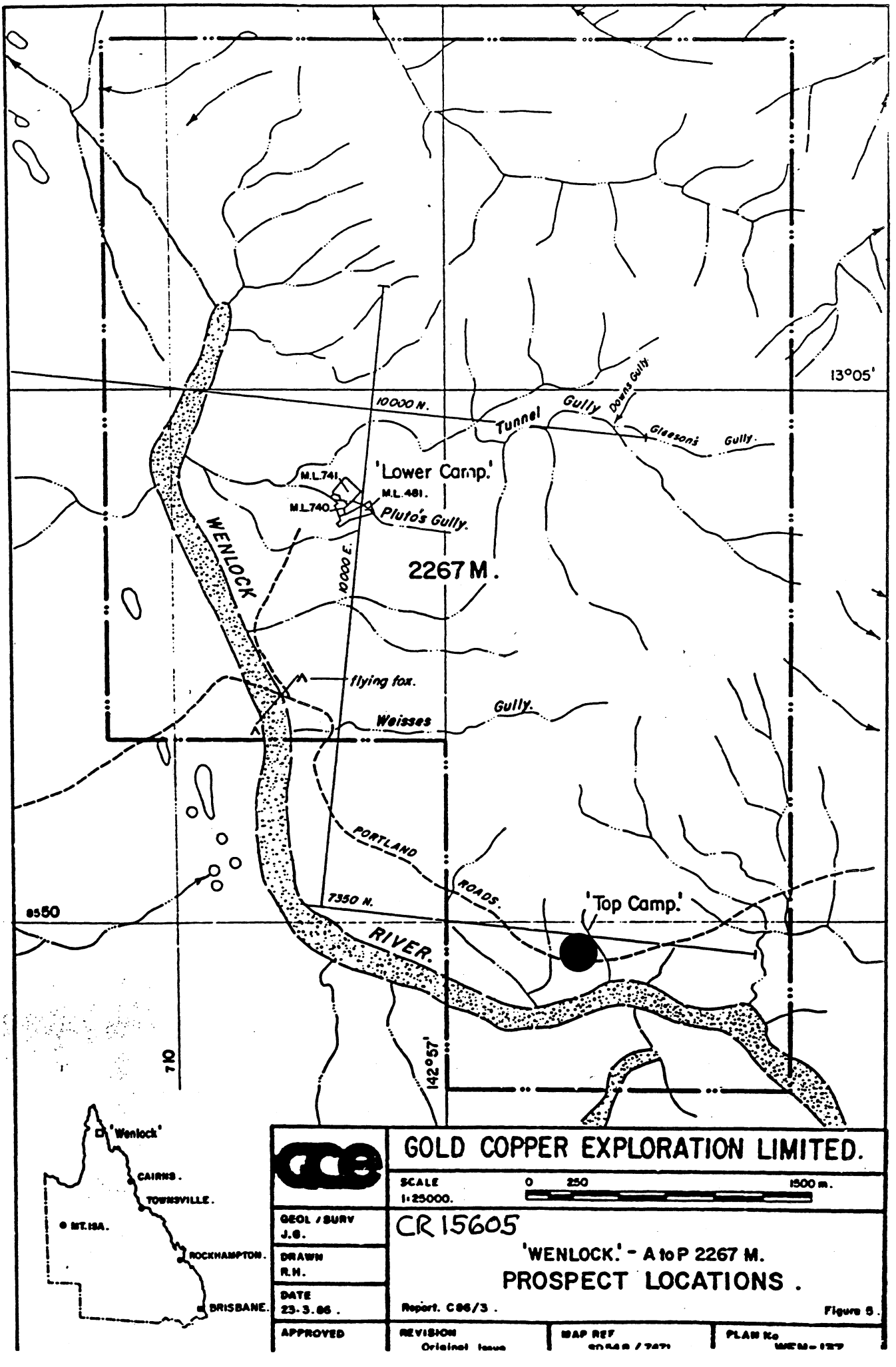
ORE TEXTURES....: Cataclastic.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soils, pisolitic bauxites.

REMARKS....: #MNAurukun BX has higher content of silica than Weipa BX causing high consumption of caustic soda during processing (2). #M1Alumina and reactive silica cut-off grades: 54%Al2O3 & 8%SiO2: 7200000 metric dry t; 50%Al2O3 & 8%SiO2: 34600000 t; 50%Al2O3 & 10%SiO2: 42300000 t; #M2The SBML-9 reserve held by Pechiney is concidered as a stretigic reserve as safeguard against Comalco exploiting its sole supplier situation.

REFERENCES.: Wolff, Kevin W.(1990);TL&EC/HOLLAND ALUMINIUM G PECH(1971, QDRI unpublished company report CR 5695); Aurukun Joint Venture(1975, QDRI unpublished company report CR 5696);


13°05'
10000 N.
Tunnel Gully
Downs Gully
Gleesons Gully.
'Lower Camp.'
M.L.741
M.L.481.
M.L.740
Pluto's Gully.
WENLOCK
10000 E.
2267 M.
flying fox.
Weisses Gully.
PORTLAND ROADS.
7350 N.
'Top Camp.'
RIVER.
8550
142°57'
'Wenlock'
CAIRNS.
TOWNSVILLE.
MT. ISA.
ROCKHAMPTON.
BRISBANE.
GOLD COPPER EXPLORATION LIMITED.
SCALE 1:25000.
0 250 1500 m.
GEOL / SURV J.G.
DRAWN R.H.
DATE 23-3-86.
APPROVED
CR 15605
'WENLOCK.' - A to P 2267 M.
PROSPECT LOCATIONS.
Report. C86/3.
Figure 5.
REVISION Original Issue
MAP REF
PLAN No

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Top Camp-Wenlock(Plutoville) (Page 1 of 2) REFERENCE NUMBER:121499A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 02/01/90
METHOD OF WORKING..: Underground, 20 Pit(s), 45 Shaft(s), 13 Trench(es), Surface mining.
EXTENT OF WORKINGS: DEPTH: < 15.0 m,
AMG GRID REFERENCE.: 712100 mE, 8549900 mN.
AMG SOURCE/ACCURACY: CR 16488/Fig.7 // CR 15605/Fig.5 / 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: COEN
GENERAL AREA.: N-WENLOCK RIVER
LOCALITY.....: 1.4km WNW of old Wenlock landing ground
LOCALITY ACC.: CR 15605/Fig.5 / 100m

MINING TENURE.....: (GML 212)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: until 1950's
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):220.0kg Au, (GOLD COPPER EXPLORATION INC,1986).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:FREEPORT AUSTRALIA INC.; AP 2267M; 1986; ABEabdy, 3, [Au],-; GOLD COPPER EXPLORATION LTD; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0,-; GEOPEKO; AP 2859M; 1981; ELTabdy, 1, [Au,Ag,Zn,Cu,Pb,W,Sn],-;
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION/ SEFTON METAMORPHICS
HOST ROCK TYPE: Slightly clayey quartztose sandstone.
HOST ROCK AGE : Late Jurassic - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: SCHISTOSITY; Strike 330deg/Unknown dip.

FORM/TYPE .....: Veins, Breccia-fill, Placer, Residual.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

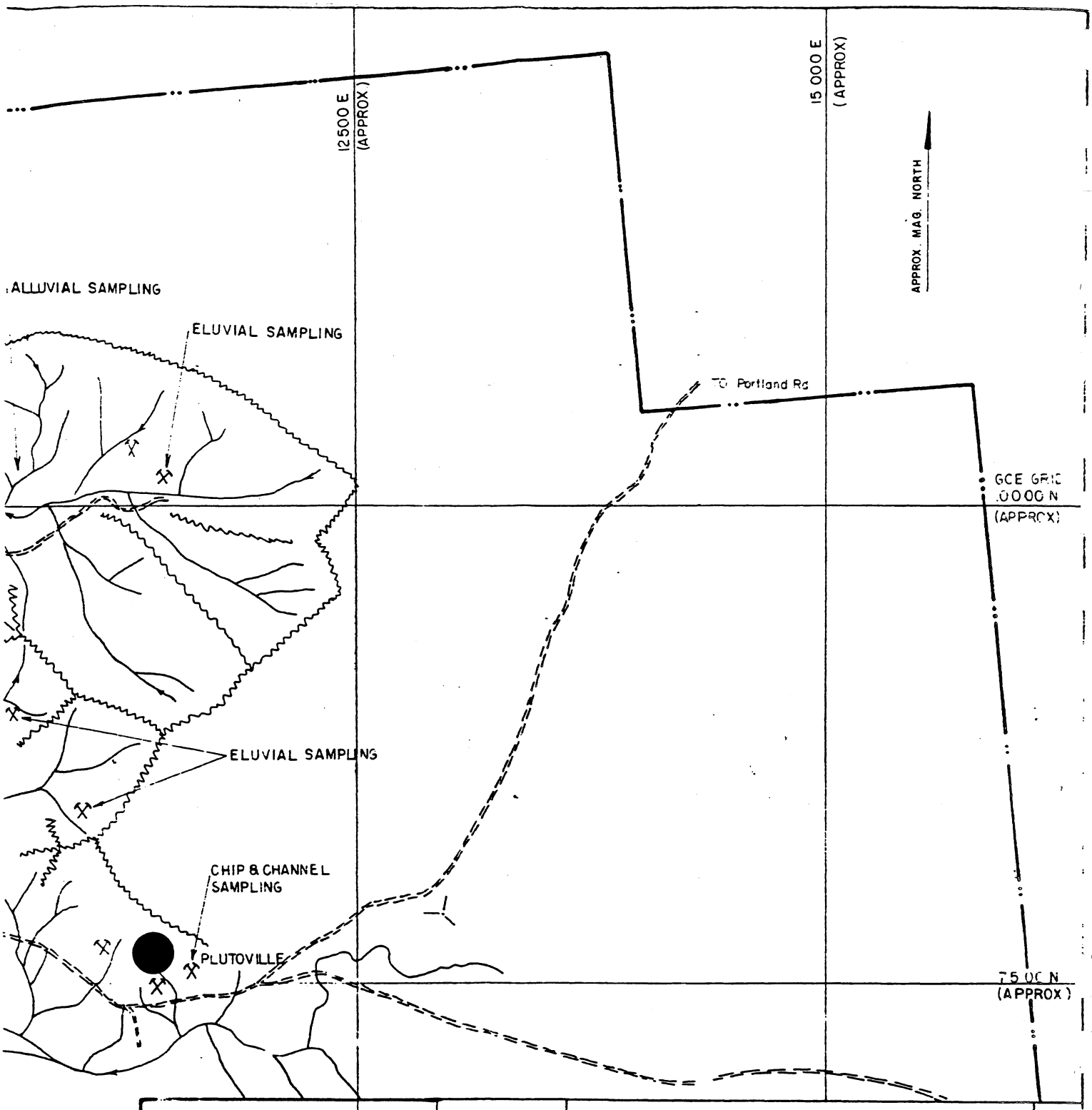
SUPERGENE ENRICHMENT DEPTH(m): 20 OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Sericitic, Silicification, Other-see Remarks.

ORE MINERALOGY. ORE TEXTURES....: Breccia-fill, Disseminated.
PRIMARY MINERALS : PY,GT,(ASPY).
SECONDARY MINERALS:
GANGUE .....: FL,Q (SILICA), (SER). ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Au-min. occurs within banded pyritic, grey clay-blue quartz veins. General rule: Frequency of pyritic Q. veins is related to the intensity of sericitic alteration. Genetically related to faulting. Au-min.

REMARKS....: #GM Deep leads and shallow alluvials worked. "Ferrolysis" during lateritisation brings about complexing of Au in solution by thio species generation in the course of oxidation and hydrolysis during trop. weathering (2, MIN 9). #AL Primary Au min. assoc. with intense alteration, characterised by silica, FL, GT & PY. Within mylonitic rock sulphides reach 30% (with abundant GT). #CM Au won from: 1. Prim. Au - Q.reefs hosted by alt. granite. 2.Q-veining and brecciation on N-side of road (Shafts 15m deep; most extensive hardrock workings).3.Eluvial Au: shedding downslope from prim. oc.recovered in shallow workings. 4.Deep leads contained within Tert.Valley fill located to N of 2.; concentrated in basal 1 m of conglomerate (dedrital Au) (1,p.4).

REFERENCES.: FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);Berkman, D.A(1966);GEOPEKO(1981, QDRI unpublished company report CR 9074); GEOPEKO(1981, QDRI unpublished company report CR 10298);GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693); Connah, T.H.(1951);Shepherd, S.R.Leonhard(1941);Hadley, B.A(1934);


12500 E (APPROX.)
15 000 E (APPROX)
APPROX. MAG. NORTH
ALLUVIAL SAMPLING
ELUVIAL SAMPLING
TO Portland Rd
GCE GRID .0000 N (APPROX)
ELUVIAL SAMPLING
CHIP & CHANNEL SAMPLING
PLUTOVILLE
7500 N (APPROX)
P 2267M
LEGEND
PEAK
TRACK/ROAD
WATERCOURSE
RIDGES
A TO P BOUNDARY
WORKINGS
GCE
GOLD COPPER EXPLORATION LIMITED
2km
1:25000 (APPROX.)
DATE 1-4-81
GEOLOGIST R.W.
DRAWN C.H.
CHECKED N.L.
WENLOCK
A. to P. 2267 M
LOCATION OF EXPLORATION ACTIVITY
REP. C81/2 FIG 3
REP. C80/2 FIG 1
PLAN NO WEN-034

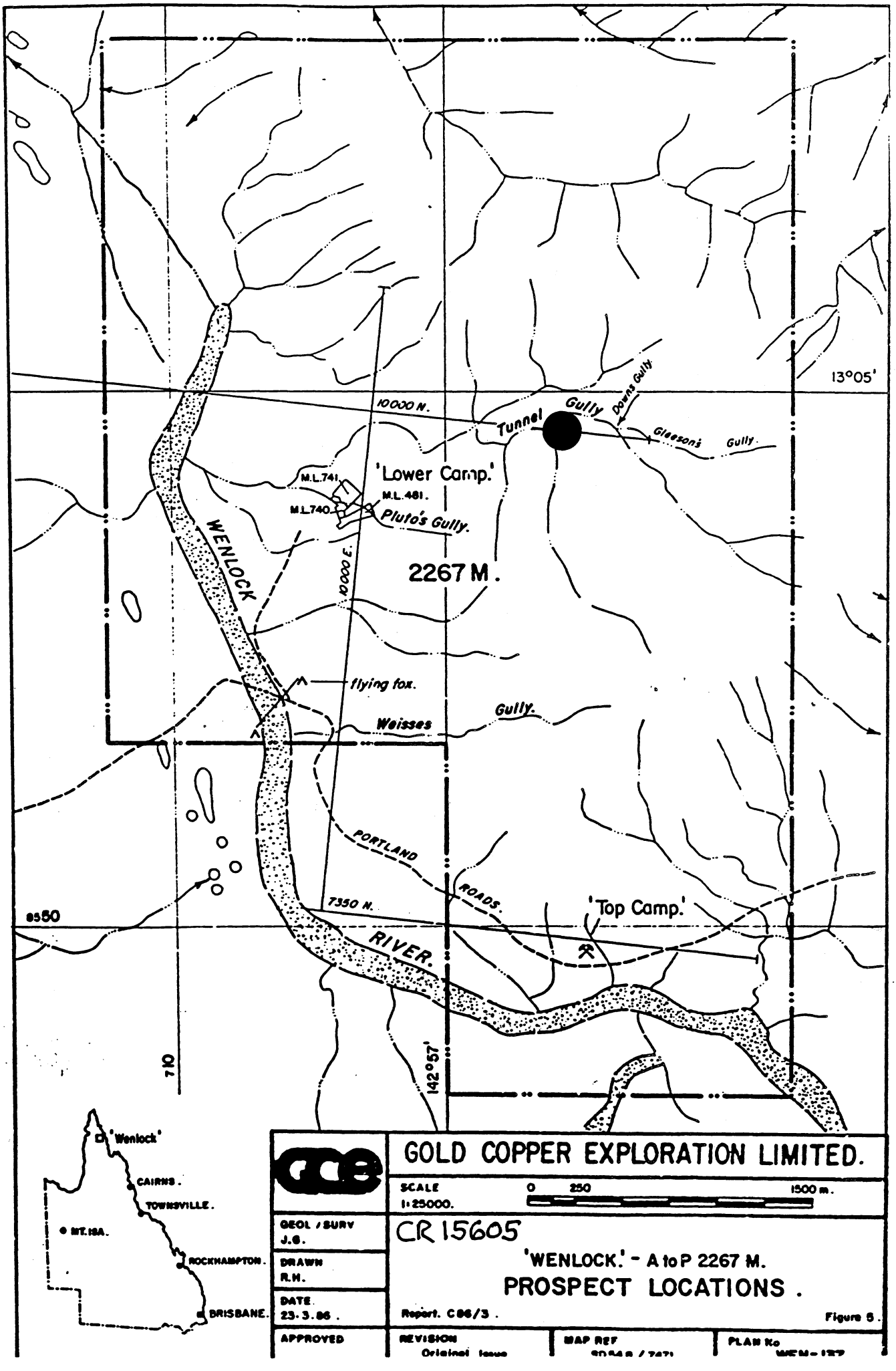
NAME(S).....: Top Camp-Wenlock(Plutoville) (Page 2 of 2) REFERENCE NUMBER:121499B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:
related to FL and GT (carbon) enrichment! (=EPIGENETIC)(2). Within mylonitic rock: sulphides reach 30%. High conc. of nugget Au in supergene zone (Top laterite-intermediate pallid z.-deep z.weathered granit

REMARKS CONTINUED.:
#AL During the Tertiary extensive laterite profile developed on the basement granite. Laterite overlies a pronounced pallid zone made up of KAO and Q (preserved basement features). Significant Au-prod. from trop. soil profile at T.C. (2,p.4). #CM Faulting important. Displaced Cret. sandstones; low angle reverse fault with W-side (footwall r.) down. Au-min. occurs on E-side (hanging wall r.) of fault over 3 km from T.C to L.C.(2,p.4). #AL Supergene alteration consists of strong kaolinisation (also IL, and relict ANAT). Alteration sequence: 1. Sericitisation; 2. GT-FL-PY alt.; 3. silification and open Q-veining in the brecciazone. Hydrothermal processes playing active part: -strong silicification, presence of sulphide-Q fragments and Q-CHL matrix (2.A#AL Fl & GT alteration characterised by strong development in lode zone at T.C.. FL alt. occurs as band and dissemination in Q-FS porphyritic granite (Anhedral FL crystals: >2mm with Q-CHL veins). Coalescing bands of GT occur in sericitic, corroded Q-porphyry. Sulphide content (mainly PY;<20%) high(2, Alt. 6). Brecciazone: Shearzone with core of breccia (5 m wide), rounded to sub-angular clasts of granite, amorp.grey Q., & PY-fragments (5mm-25mm). Matrix silica. Granite clasts are altered and display z rims of grey silica and f-grained dissem. PY. #DD PLUTOVILLE: S Au-workings on Iron Range Rd.: shear covered by extensive pits and workings, prev. thought to be deep lead. Could be eluvial cover over shear, with local conc. of Au from weather.(4,p.6) #M2 Work by S.Zammit in cemented wash close to one of old alluv. gutters. By Brown & Thompson: small leader, 1.2m width, close to alluv. workings with shaft 5m deep. 5 t of stone gave 25 dwt/t. #M1Original lead came to surface with granite on the brow of low ridge. 15 shafts within 6 x 50m chains from 2-10m deep.

REFERENCES CONTINUED.:
Morton, C.C(1930);


13°05'
10000 N.
Tunnel
Gully
Downs Gully
Gleasons Gully.
'Lower Camp.'
M.L.741
M.L.481.
M.L.740
Pluto's Gully.
WENLOCK
10000 E.
2267 M.
flying fox.
Weisses
Gully.
PORTLAND
ROADS.
7350 N.
'Top Camp.'
RIVER.
8550
710
142°57'
'Wenlock'
CAIRNS.
TOWNSVILLE.
MT. ISA.
ROCKHAMPTON.
BRISBANE.
GOLD COPPER EXPLORATION LIMITED.
SCALE 1:25000.
0 250 1500 m.
GEOL / SURV J.G.
DRAWN R.H.
DATE 23.3.86.
APPROVED
CR 15605
'WENLOCK.' - A to P 2267 M.
PROSPECT LOCATIONS.
Report. C86/3.
Figure 6.
REVISION Original issue
MAP REF
PLAN No

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Tunnel Gully (Page 1 of 2)

REFERENCE NUMBER:119526A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 03/01/90
METHOD OF WORKING..: Underground, Adit(s), Surface mining.
EXTENT OF WORKINGS: DEPTH: 2.0 m,
AMG GRID REFERENCE.: 711900 mE, 8552600 mN.
AMG SOURCE/ACCURACY: CR 15605/ Fig.5 Prospect locations/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: NE WENLOCK RIVER/ 3.4 km NNW old
LOCALITY.....: 3.4km NNW of old landing groun d/ 1.5km E point 113
LOCALITY ACC.: CR 15605/Fig.5/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPER EXPLORATION INC.; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0, placer; FREEPORT AUSTRALIA MINERALS LTD; AP 2859; 1986; ABEbihef, 3, [Au], placer;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: Quartztose sandstone/ conglomerate
HOST ROCK AGE : Late Jurassic - Early Cretaceous
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

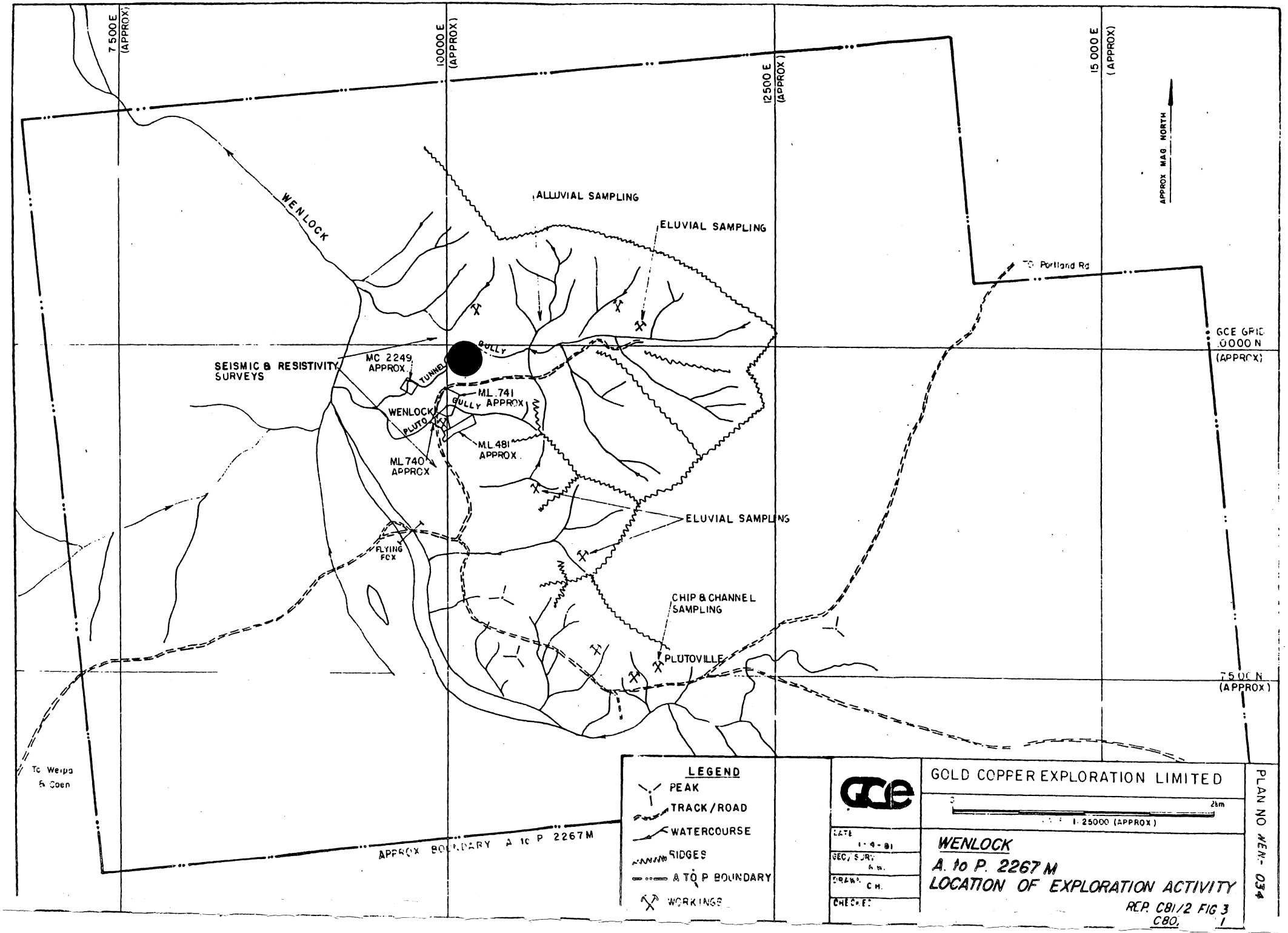
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium-Coarse

ORE GENESIS: Nugget gold in the basal 1m of conglomerate (placer). Extensive occurrence of cemented Au-bearing wash which has been dissected by present stream channels.

REMARKS....: #GM Source of Au is local in the nearings of a rich Au bearing reef in the surroundings. A large proportion of deep lead Au recovered by the recent workings was located immediately down the paleo drainage from the main leader reef. Au occurs in the basal units of GRF, close to the unconformity with the older basement (1;p.16). #MS Host rocks: coarse sands, sandy congl. and congl. with grades getting better in the later. #GM Depositional environment: contin. fluviatil. Gold-bearing wash confined to "gutters" continuous cover of Au-wash may extend over a consideralbe area of bedrock surface to N+W of the "Main gutters" (0.5 to 2 m thick and low av. Au-values (5)). #MN Allv. Au mostly f-grained, but coarse and angular in some streaks.

REFERENCES.: GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693); Connah, T.H.(1951);Shepherd, S.R. Leonhard(1941);Morton, C.C(1930);


7 500 E (APPROX)
10000 E (APPROX)
12500 E (APPROX)
15 000 E (APPROX)
APPROX MAG NORTH
WENLOCK
ALLUVIAL SAMPLING
ELUVIAL SAMPLING
To Portland Rd
GCE GRID 0000 N (APPROX)
SEISMIC & RESISTIVITY SURVEYS
MC 2249 APPROX
TUNNEL
GULLY
ML 741 APPROX
WENLOCK
PLUTO
ML 481 APPROX
ML 740 APPROX
ELUVIAL SAMPLING
FLYING FOX
CHIP & CHANNEL SAMPLING
PLUTOVILLE
7500 N (APPROX)
To Weipa & Coen
APPROX BOUNDARY A to P 2267M
LEGEND
PEAK
TRACK/ROAD
WATERCOURSE
SIDGES
A TO P BOUNDARY
WORKINGS
GOLD COPPER EXPLORATION LIMITED
2km
1:25000 (APPROX)
DATE 1-9-81
DRAWN C.M.
WENLOCK
A. to P. 2267 M
LOCATION OF EXPLORATION ACTIVITY
RCP. C81/2 FIG 3
C80. 1
PLAN NO WEN-034

NAME(S).....: Tunnel Gully (Page 2 of 2)

REFERENCE NUMBER:119526B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#PR Alluvial nuggets to 155.5 gr (5 oz.) #GM Eluvial: Au can occur in decomposed granitic material to a depth of 1.5 m. Generally in the Wenlock area, Au is being shed from palaeochannels at the basement/Mesozoic sediment unconformity, and deposited in downslope eluvium (3, p.8). #DD These workings are in a gorge within the SST range, 2km from Lower Camp (bearing 65). #M1 The Au shed into Down's Gully & Gleeson's Gully, which lies across a narrow spur, has come from denuded sections of an old lead at base of SST, removed by present watercourses (run almost at right angles to lead). A tunnel, now collapsed, was driven 10m along the lead on western side of Down's Gully (values considered low). Gold first discovered in 1906. #PR Irregular values:<12 dwt/t

REFERENCES CONTINUED.:

DATA SHEET 209

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Turtle Head Island

REFERENCE NUMBER:849899

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
.RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 684900 mE, 8789900 mN.
AMG SOURCE/ACCURACY: CR 5698/ 1000m

1:250 000.....: CAPE YORK SC54-12
1:100 000.....: CAPE YORK 7476
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: TURTLE HEAD ISLAND
LOCALITY.....: E of Newcastle Bay

LOCALITY ACC.: CR 5698/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O. (AUSTRALIA) PTY LTD; AP 1519M; 1975; adl, 0,-;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartz sand.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR, LEUCOXENE
SECONDARY MINERALS:
GANGUE .....: Q.

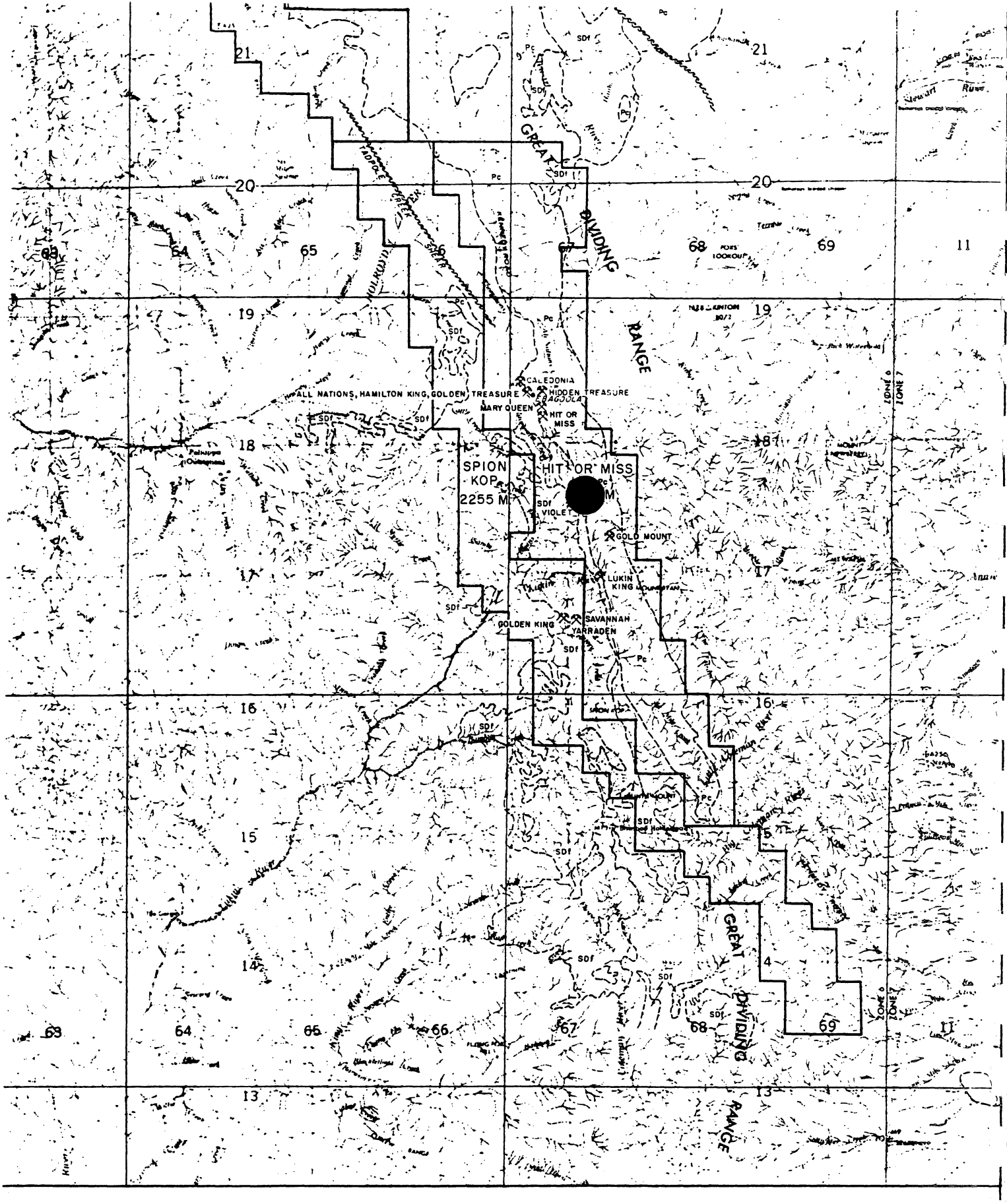
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDArea belongs to Aboriginal Reserve Cape York. #M1Drilling has been forwarded with average depths of 6m. Grain count data show 38.18% of non magnatics in Turtle Head (1). #DDNo exact location has been mentioned! #M2Table: %Magnetics: 61.81; %Nonmagnetics38.19; % Zirkon: 15.4; %Rutile: 8.2; %Leukoxen: 1.1; %Others: 8.09;

REFERENCES.: A.O. (AUSTRALIA) PTY LTD(1975, QDRI unpublished company report CR 5698);



CR 8122

CRA EXPLORATION PTY LIMITED

AUTHORITIES TO PROSPECT

TADPOLE CREEK 2252M, SPION KOP 2255M

HIT OR MISS 2256M, EMU CREEK 2257M

LOCALITY MAP.

Ref. Ebagoola 1:250 000 sheet SD 54-12, Coen sheet SD 54-8

Geologist. A.D.B.	Scale. 1:250 000	Drawn. J.W.

DATA SHEET 210

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Violet

REFERENCE NUMBER:478100

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747800 mE, 8410050 mN.
AMG SOURCE/ACCURACY: CR 8122/ +100m

1:250 000.....: EBAGOOLA SD54-12
1:100 000.....: EBAGOOLA 7569
MINING DISTRICT : COOKTOWN
MINING FIELD....: YARRADEN

GENERAL AREA.: Great Dividing Range
LOCALITY.....: Lukin River/ 3.5 km NNW of Point 385(Ryan Rang
LOCALITY ACC.: CR 8122/ +100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1902-1912 (minor 1930 included)
TOTAL PRODUCTION (ORE) : 782t ,
TOTAL PRODUCTION (METAL):49.7kg Au, (CRA EXPLORATION PTY LTD,1981).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CRA EXPLORATION PTY LTD, AP 2078M; 1979; ABCIYbej,5[As,Au,Co,Cu,Mn,Mo,Pb,Sn,U,Zn],-;CRA EXPLORATION PTY LTD; AP 2257M; 1980; AOIJYbejhq, 3, [Au,Ag,Pb,Zn,Cu,As], Vein min. CRA EXPLORATION PTY LTD; AP 2252/2255/2256; 1981; ACNOabcdefq, 0, [Au,Ag,Pb,Cu,Zn,A
TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FLYSPECK GRANODIORITE
HOST ROCK TYPE: Biotite granodiorite/ sheared
HOST ROCK AGE : Silurian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: OREBODY; Strike 330deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : AU, PY, ASPY.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Sheared (vein) mineralisation, limited to narrow shears and fractures (2). Related to discordant Q. -veins. (3).

REMARKS....: #DDBelongs to Yarraden Goldfield, part of the Hamilton Goldfield. Mainly small workings on two main lines: Golden King and Savannah Lines. #MNAu min. occurs in sulphide quartz veins (PY, minor ASPY). There is evidence, that Au min. also occurs along fractures in granitic rock. Min. related to regional lineament or shear. #MSHost sequence: coarse grained FS (SER)-Q-BIOT rock (granite-adamellite or acid volcanic). A crystal tuff-rhyolite marker horizon crops out to the west of the workings and is traceable for 7 kms. #MIInitial sampling ("C" Horizon-Cu,Pb,Zn,As assay) indicated Au:As association, but results here not always have As-signiture with known Au-min.(2). #DDVIOLET AREA:small grid sampled. Two zones of anomalous arsenic (1).

REFERENCES.: CRA EXPLORATION PTY LTD(1980, QDRI unpublished company report CR 8122);CRA EXPLORATION PTY LTD(1981, QDRI unpublished company report CR 10609);CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7888); CRA EXPLORATION PTY LTD(1979, QDRI unpublished company report CR 7540);

EVANS, H.J. (1975)

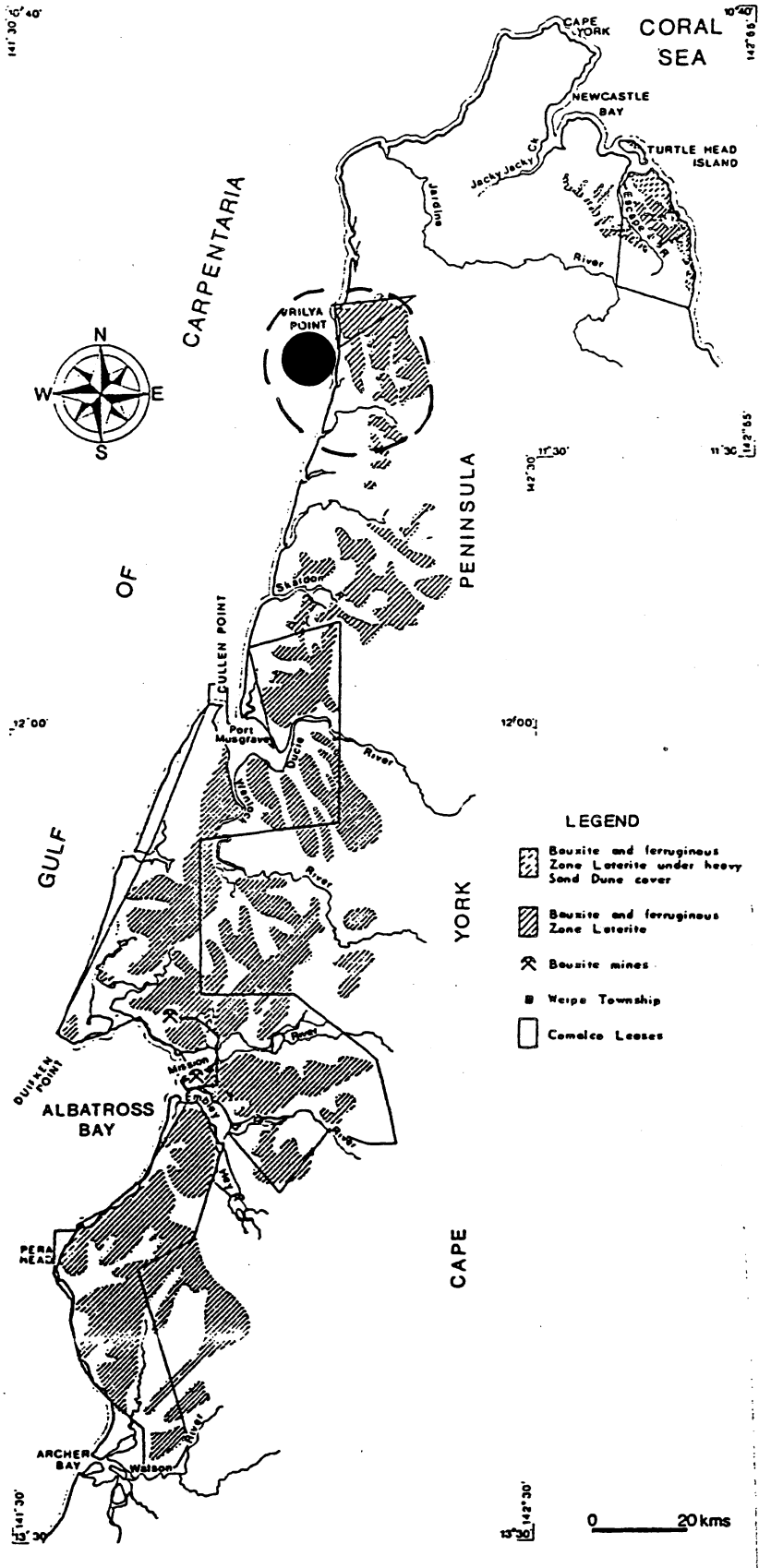


FIG. 2—Geological map Cape York Peninsula Queensland.

DATA SHEET 211

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Vrilya Point REFERENCE NUMBER:270570

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 28/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 627000 mE, 8757000 mN.
AMG SOURCE/ACCURACY: CR 9488/ Figure 2/ 500m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: VRILYA 7375
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast, Gulf of Carpentaria
LOCALITY.....: SE Vrilya Point

LOCALITY ACC.: CR 9488/Figure 2/ 500m

MINING TENURE.....: SBML-1

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: KALDINA RESOURCES LTD(1987)indicated BX:70000000tKALDINA RESOURCES LTD(1987)possible BX: 1010\8xt

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:MAXIMAL MINING Co PTY LTD; AP 2894M/2895M; 1980;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Aluminous laterite including pisolitic bauxite.
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 1.4m av.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GBS,BHM,GOET
GANGUE .....: Q,KAO,AMORPHUS SILICA

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: deep weathered surface soils; pisolitic material (size:1-20mm in diameter), unconsolidated, fiable mixture of pisolites and sands. Mineralogy: mainly GBS, high in silica (Q, amorphus silica and KAO) (2).

REMARKS....: #DDArea included in this AP forms part of an extensive bauxite field, which extends along the west coast of Cape York Peninsula from just north of Vrilya Point southward to Archer Bay(1). #M1This deposit is made up of numerous, small scattered occurrences. Bauxite profile is thinly developed (av.thickness 1.4m,av. overburden 1.4m). #PRTotal drill-indicated resource: 70000000 t (44.5% total Al2O3, 7% reactive SiO2).#MNTypical Cape York Pen. mineralogy: Significant BHM in upper portion of BX profile, GBS in lower levels, and both total silica and reactive SiO2 are high. By removing fine KAO clay particules adhering to pisolites by means of wet sceening, the values of SiO2 can slightly be decreased(4). #M2See info in Grid Ref:980000 and 903136 (SBML-1).

REFERENCES.: PACMINEX PTY LTD(1971, QDRI unpublished company report CR 4107);MAXIMAL MINING Co PTY LTD(1980, QDRI unpublished company report CR 9488);MAXIMAL MINING Co PTY LTD(1981, QDRI unpublished company report CR 9488); KALDINA RESOURCES LTD(1987, QDRI unpublished company report CR 16294);SHELL Co AUSTRALIA LTD(1982, QDRI unpublished company report CR 11130); SHELL Co AUSTRALIA LTD(1983, QDRI unpublished company report CR 11810);Wolff, Kevin W.(1990);Evans, H.J(1975);

DATA SHEET 212

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Ward Gully

REFERENCE NUMBER:CC

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/03/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.:
AMG SOURCE/ACCURACY: CR 15605/no location mentioned

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: NE WENLOCK RIVER/
LOCALITY.....:

LOCALITY ACC.:

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPER EXPLORATION INC.; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0, placer;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: Quartztose sandstone/ conglomerate
HOST ROCK AGE : Late Silurian - Early Cretaceous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium-Coarse

ORE GENESIS: Nugget gold in the basal 1m of conglomerate (placer).

REMARKS....: Source of gold is local in the nearings of a rich gold bearing reef in the surroundings. A large proportion of deep lead gold recovered by the recent workings was located immediately down the paleo drainage from the main leader reef. Gold occurs the basal units of GRF, close to the unconformity with the older basement (1;p.16). Host rocks: coarse sands, sandy congl. and congl. with grades getting better in the later. Depositional environment: contin. fluviatil. Gold-bearing wash confined to "gutters". A continuous cover of Au-wash may extend over a consideralbe area of bedrock surface to N+W of the "Main gutters" (0.5 to 2 m thick and low av. Au-values (5)). Allv. Au mostly f-grained, but coarse and angular in some streaks. Nuggets to 155.5 gr (5 oz).

REFERENCES.: GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);

DATA SHEET 213

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Weipa (Page 1 of 2)

REFERENCE NUMBER:980000A

COMMODITIES ....: ALUMINIUM,KAOLIN
STATUS .....: Operating mine
SIZE.....:
RECORDED BY/DATE: FVG 05/06/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 598000 mE, 8600000 mN.
AMG SOURCE/ACCURACY: Topographical map Weipa 7272/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: WEIPA 7272
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: WEIPA
LOCALITY.....: NW of Weipa Airstrip

LOCALITY ACC.: Topographical map Weipa 7272

MINING TENURE.....: SBML-1

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1963-1990
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:COMALCO

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 2.4m av.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS, BHM
GANGUE .....: Q,KAO

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soils. BX is strongly pisolitic and generally loose to compact, pisolites are fawn to dark brown (1-20mm diameter). Matrix is red brown and sandy. Available alumina: As trihydrate:GBS or

REMARKS....: #M1Comalco's reserves of BX (and KAO) are within Special Bauxite Mining Lease No.1, Weipa. BX reserves, of 386 million tonnes recoverable ore proven and 3700 million tonnes probable, appear to be well in excess of Comalco's requirements. #PRproduction in 1988/89 was 9.3 million t beneficiated and 219 000 t calcined (25% of Australian production, value $206 million). Annual production capacity is 11 million t beneficiated BX and 250 000 t calcined. #DDWeipa deposits are situated on westsideof Cape York Peninsula and are part of an extensive Tertiary (Oligocene) aluminous laterite, which extent with minor erosional gaps for a distance of 350km from Vrilya Point to Holroyd River (area approx. 11000 km2). #MSBX occurs as flat lying to gently dipping surfac

REFERENCES.: Wolff, Kevin W.(1990);Evans, H.J(1975);Whitcher, I.G & Horsburgh, J.R(1970, unpublished report CRA EXPLORATION PTY);

NAME(S).....: Weipa (Page 2 of 2)

REFERENCE NUMBER:980000B

MINERAL EXPLORATION CONTINUED.:

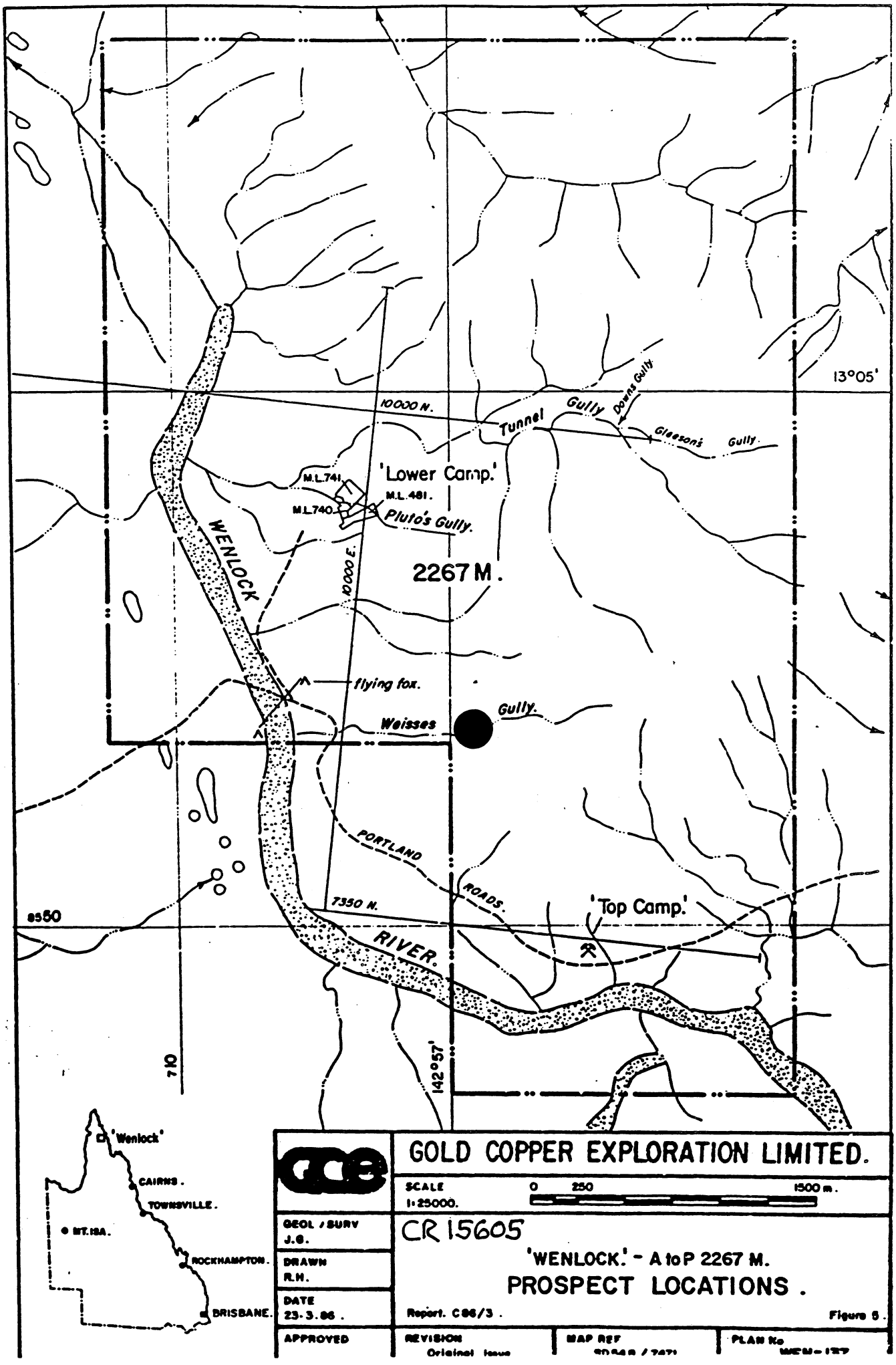
ORE GENESIS CONTINUED.:

as monohydrate: BHM. Silica content ranges from 1 to over 10% consisting of both combined silica and Q. Both low and high iron variations, the low iron type being mined at pres. for prod. of calcined BX.

REMARKS CONTINUED.:

#GMC.Y.Penin. comprises the N-end of a regional anticlinal trend, the Mesozoic and younger sed. being gently arched around a centre core of older basement. The aluminous laterite occurs mainly on western limb of the regional fold and is developed on arkosic sands, clays and siltstones of prob. Tertiary age. A rapid change inland from bauxitic to non-bauxitic laterite is observable (decrease of degree of laterisation and age are factors). #CM Alum. laterites are restricted to thicker Tertiray sediments close to present coastline. Preferential development of BX on Tertiary sed. could be due to topographic position and porosity/permeability. Av. thickness 2.4m with around 1m overburden. #M2Also see Grid Ref 903136.

REFERENCES CONTINUED.:


13°05'
10000 N.
Tunnel Gully
Downs Gully
Gleesons Gully
'Lower Camp.'
M.L.741
M.L.481
M.L.740
Pluto's Gully.
WENLOCK
10000 E.
2267 M.
flying fox.
Weisses Gully.
PORTLAND ROADS.
7350 N.
'Top Camp.'
RIVER.
8550
710
142°57'
'Wenlock'
CAIRNS.
TOWNSVILLE.
MT. ISA.
ROCKHAMPTON.
BRISBANE.
GOLD COPPER EXPLORATION LIMITED.
SCALE 1:25000.
0 250 1500 m.
GEOL / SURV J.G.
DRAWN R.H.
DATE 23-3-86.
APPROVED
CR 15605
'WENLOCK.' - A to P 2267 M.
PROSPECT LOCATIONS.
Report. C86/3.
Figure 6.
REVISION Original Issue
MAP REF
PLAN No

DATA SHEET 215

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Weisses Gully (Page 1 of 2) REFERENCE NUMBER:113510A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 03/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 711300 mE, 8551000 mN.
AMG SOURCE/ACCURACY: CR 15605/ Fig.5 Prospect locations/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: NE WENLOCK RIVER
LOCALITY.....: 2.7km NW of old landing ground / 1.8km SSE point 113
LOCALITY ACC.: CR 15605/Fig.5/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPER EXPLORATION INC.; AP 2267M; 1987; ABDEPQOTabdefhjkq, 0, placer; FREEPORT AUSTRALIA MINERALS LTD; AP 2859; 1986; ABEbihef, 3, [Au], placer;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION
HOST ROCK TYPE: Quartztose sandstone/ conglomerate
HOST ROCK AGE : Late Silurian - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

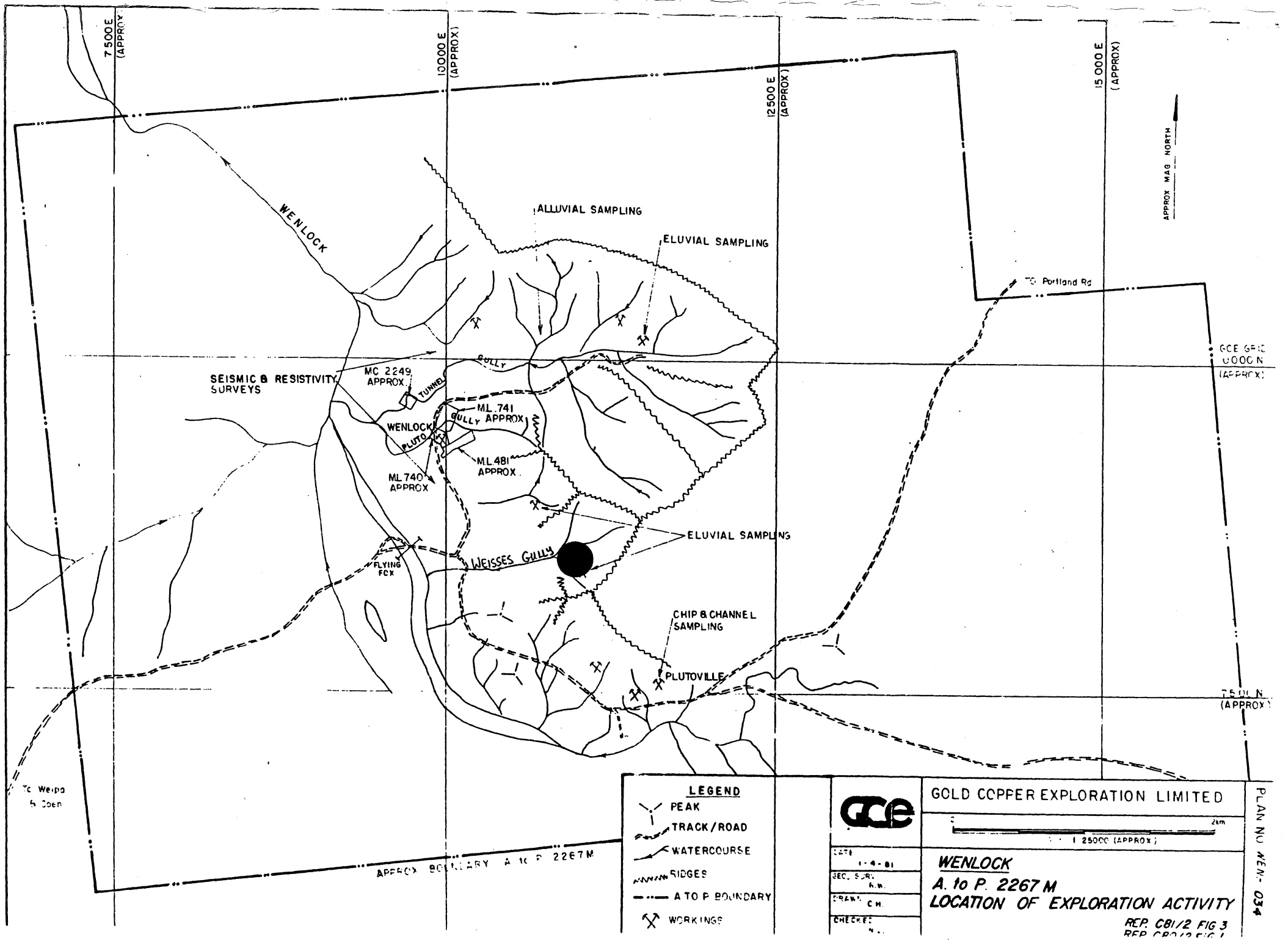
ORE MINERALOGY. **ORE TEXTURES....:**

PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:** V.fine-Fine-Medium-Coarse

ORE GENESIS: Nugget gold in the basal 1m of conglomerate (placer).

REMARKS....: #GM Source of Au is local in the nearings of a rich Au bearing reef in the surroundings. A large proportion of deep lead Au recovered by the recent workings was located immediately down the paleo drainage from the main leader reef. #CM Au occurs the basal units of GRF, close to the unconformity with the older basement (1;p.16). #MS Host rocks: coarse sands, sandy congl. and congl. with grades getting better in the later. #GM Depositional environment: contin. fluviatil. Au-bearing wash confined to "gutters". A continuous cover of Au-wash may extend over a consideralbe area of bedrock surface to N+W of the "Main gutters" (0.5 to 2 m thick and low av. Au-values (5)). #MN Allv. Au mostly f-grained, but coarse and angular in some streaks.

REFERENCES.: GOLD COPPER EXPLORATION INC(1986, QDRI unpublished company report CR 15605);FREEPORT AUSTRALIA MIN LTD(1986, QDRI unpublished company report CR 16488);GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693); Connah, T.H.(1951);Shepherd, S.R. Leonhard(1941);


7500E (APPROX)
10000E (APPROX)
12500E (APPROX)
15000E (APPROX)
APPROX MAG NORTH
WENLOCK
ALLUVIAL SAMPLING
ELUVIAL SAMPLING
To Portland Rd
GCE GRID 10000N (APPROX)
SEISMIC & RESISTIVITY SURVEYS
MC 2249 APPROX
TUNNEL
GULLY
ML 741 APPROX
WENLOCK
PLUTO
ML 481 APPROX
ML 740 APPROX
ELUVIAL SAMPLING
WEISSES GULLY
FLYING FOX
CHIP & CHANNEL SAMPLING
PLUTOVILLE
7500N (APPROX)
To Weipa & Coen
APPROX BOUNDARY A TO P 2267M
LEGEND
PEAK
TRACK/ROAD
WATERCOURSE
RIDGES
A TO P BOUNDARY
WORKINGS
GOLD COPPER EXPLORATION LIMITED
0 2km
1 25000 (APPROX)
DATE 1-4-81
DRAWN C.H.
WENLOCK
A. to P. 2267 M
LOCATION OF EXPLORATION ACTIVITY
REP. CB1/2 FIG 3
PLAN NO WEN-034

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

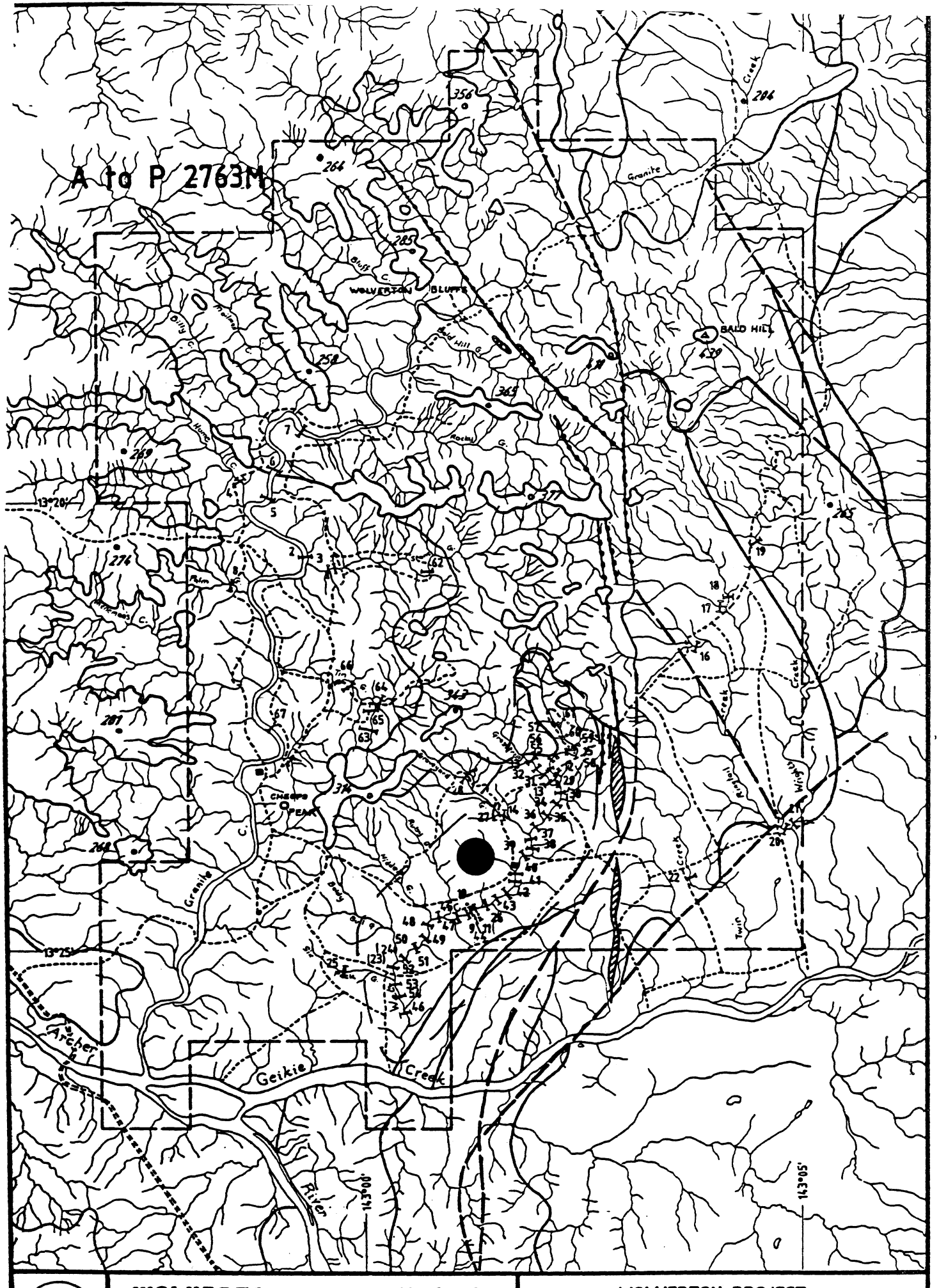
NAME(S).....: Weisses Gully (Page 2 of 2) REFERENCE NUMBER:113510B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:
#PR Alluvial nuggets to 155.5 gr (5 oz.) #GM Eluvial: Au can occur in decomposed granitic material to a depth of 1.5 m. Generally in the Wenlock area, Au is being shed from palaeochannels at the basement/Mesozoic sediment unconformity, and deposited in downslope eluvium (3, p.8) #DD Weisses Gully listed as part of Wenlock Top Camp. 3 small gullies in granite worked around 1910. Locality immediately under the foot of a SST range about 2km in a direction bearing 150 from Lower Camp. #M1 Some washing of alluvial Au, very coarse waterworn Au found, but general poor values. Au believed to be from portions of old Au-lead (seem to have been dessected by gullies.

REFERENCES CONTINUED.:



N	**WOLVERTON TIN PTY. LTD.**		WOLVERTON PROJECT
	COMPILED I.A.T.	SCALE 1: 100,000	COSTEANING
	DRAWN I.A.T. / I.I.R.	DRAWING No. GW-21	CR 10216
NORTH	DATE March, 1982	FIGURE No. 14	

DATA SHEET 217

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Wet Creek (Page 1 of 2) REFERENCE NUMBER:185166A

COMMODITIES ....: TIN,TIN
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/01/90
METHOD OF WORKING..: 40 Trench(es), Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 718500 mE, 8516600 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: E Granite (Tin) Ck./ 3.5 km N Geikie River
LOCALITY ACC.: CR 4601/ CR 3800/ 100m
CR 10216

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: WOLVERTON TIN PTY LTD(1982)Indicated:260000m3 @ 1.51/ySn,WOLVERTON TIN PTY LTD(1982)Inferred:210562m3 @ 1.01/ySn,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, 0, alluvial deposits;

TECHNIQUES USED...: Geology,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FALLOCH BEDS/ Wolverton Beds
HOST ROCK TYPE: conglomerates - gravel.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Argillic.
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST,(MOLY),(W),(MT), (GA),(ZR),(MONAZITE).
SECONDARY MINERALS: LIM, HEM, GOET.
GANGUE .....: Q.

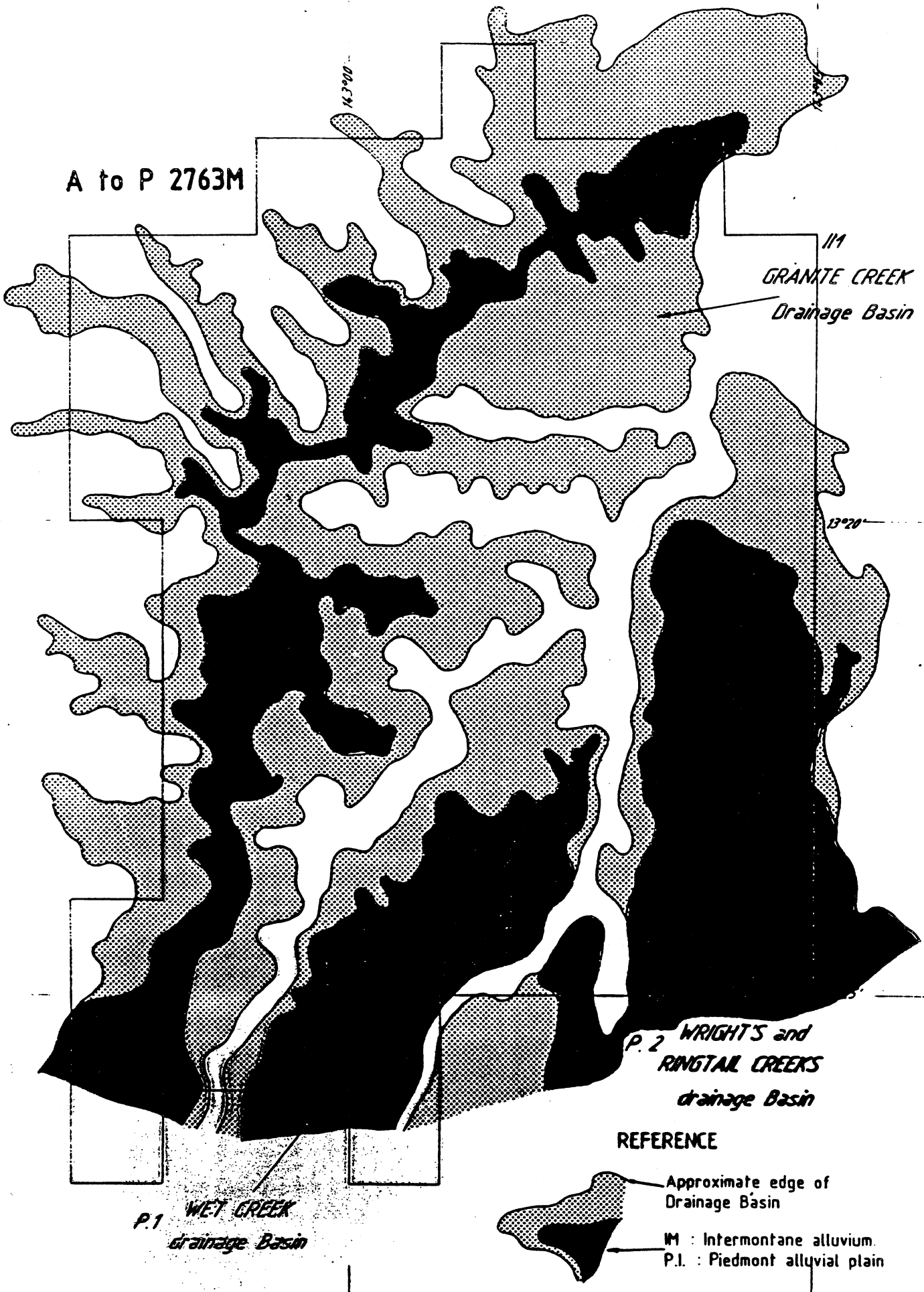
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and up. tributaries of Granite Cr. MOLY, W fairly signif. in stream samples.

REMARKS....: #GMCycles of secondary deposits: 1. Mesozoic (U.J.) and 2. Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quartern.). Falloch Beds (staniferous CZ sed.) cover large portion of the area (av. 2 to 5m thick). #PRTin grades are very variable (like the thickness) Up to 0.89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl. gravel show high degree of variation(0.2 - 0.9 kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained ("flood tin")(3). #DDLocality on E-side of Cr. 2 areas of alluvials: Wet Creek Alluv. and Lower Wet Cr. Alluv.

REFERENCES.: WOLVERTON TIN PTY LTD(1981, QDRI unpublished company report CR 9772);Titles and Tenures Services(1989);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);



N

WOLVERTON TIN PTY. LTD.

COMPILED	J.A.T.	SCALE	1: 100,000
DRAWN	J.A.T. / J.I.R.	DRAWING No.	QW - 17

INTERPRETATION
CAINOZOIC COVER

NAME(S).....: Wet Creek (Page 2 of 2)

REFERENCE NUMBER:185166B

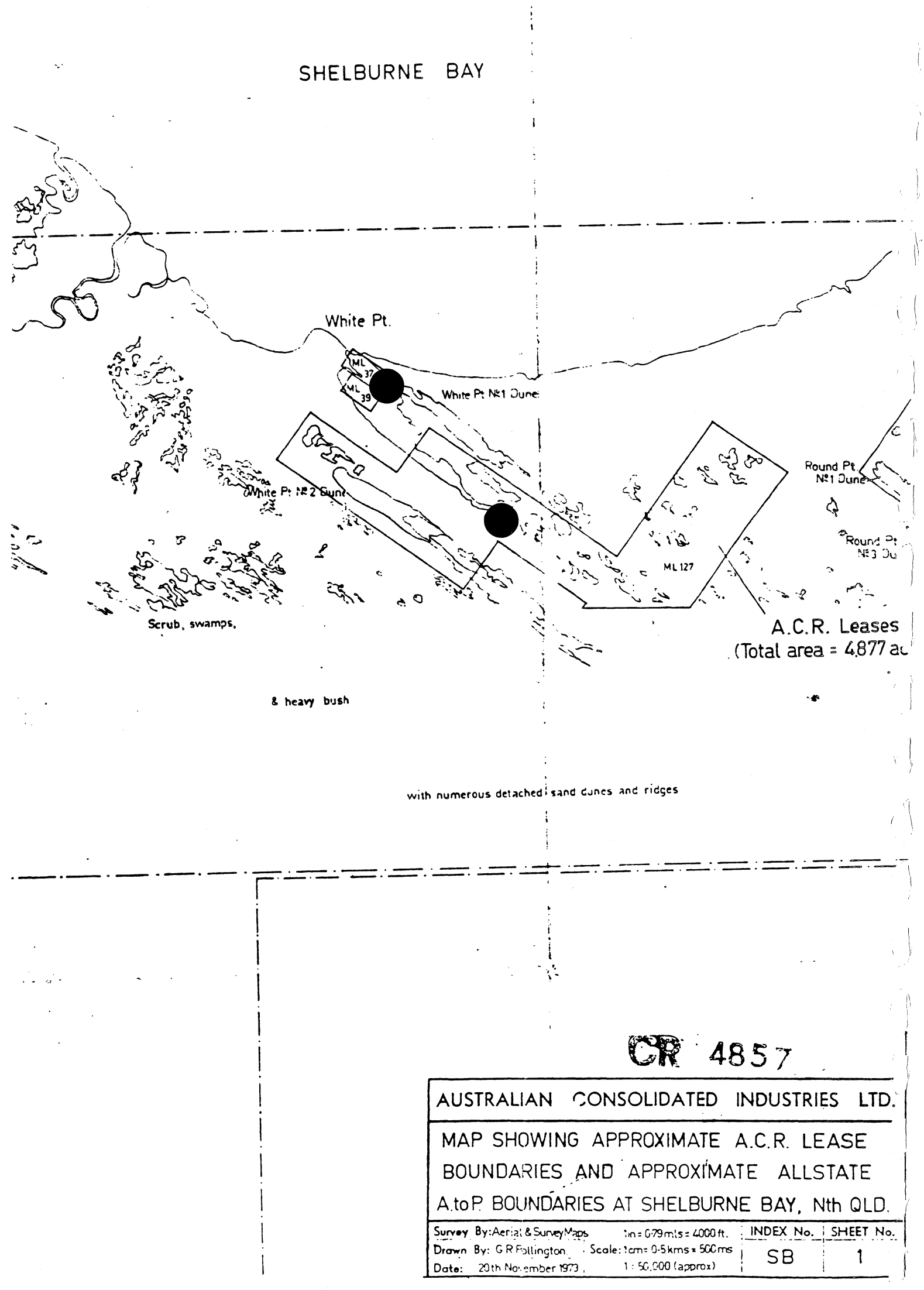
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#M1Several isolated, exploratory costeans in Granite Creek indicated moderate to high grade (0.45 to 1.00 kg SnO2/m3) conc. of tin. Typically in Granite Creek alluvium is "ponded' over several km lengths, behind intermittent granite bars; #MShence both widths and thicknesses of alluvium vary considerably. #DDAverage channel width of alluvium in Granite Creek is some 100m respectively, and thickness varies from 2 to 4m approx. #M2Average grades at WET CREEK: 0.9 kg SnO2/m3; actual grade prob. higher as water and caving frequently prevented sampling of basal sections. Piedmont deposits of Wet Creek drainage basin: Drainage B: 34km2; Alluvium: 22km2; Relative % of alluvium: 64.7%. Some 2nd and 3rd order trib. mined by "old timers" 1906-31 (>6 kg SnO2/m3

REFERENCES CONTINUED.:



CR 4857

AUSTRALIAN CONSOLIDATED INDUSTRIES LTD.

MAP SHOWING APPROXIMATE A.C.R. LEASE BOUNDARIES AND APPROXIMATE ALLSTATE A.to P. BOUNDARIES AT SHELBURNE BAY, Nth QLD.

Survey By: Aerial & Survey Maps	1in = 0.79 mls = 4000 ft.	INDEX No.	SHEET No.
Drawn By: G R Follington	Scale: 1cm = 0.5 kms = 500 ms	SB	1
Date: 20th November 1973	1 : 50,000 (approx)		

DATA SHEET 219

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: White Point

REFERENCE NUMBER:163794

COMMODITIES ....: SILICA SAND
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 716300 mE, 8679400 mN.
AMG SOURCE/ACCURACY: CR 2623/ CR 4857/ 1000m

1:250 000.....: THURSDAY ISLAND SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: White Point-Round Point

LOCALITY ACC.: CR 2623/ CR 4857/ 1000m

MINING TENURE.....: ML 37, ML 39, ML 127

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: Macdonald Wagner(1981)Dune sand(poss):95000000t

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.;AP 468M; 1968; ABle, 0,-; R.HARE + ASSOCIATES: AP 468M; 1968: ABl, 0,-: QUEENSLAND SILICA PTY LTD; AP 1222M; 1977; aeluo, 0,-;
TECHNIQUES USED ...: Geology,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SILICA.
SECONDARY MINERALS:
GANGUE .....: Q.

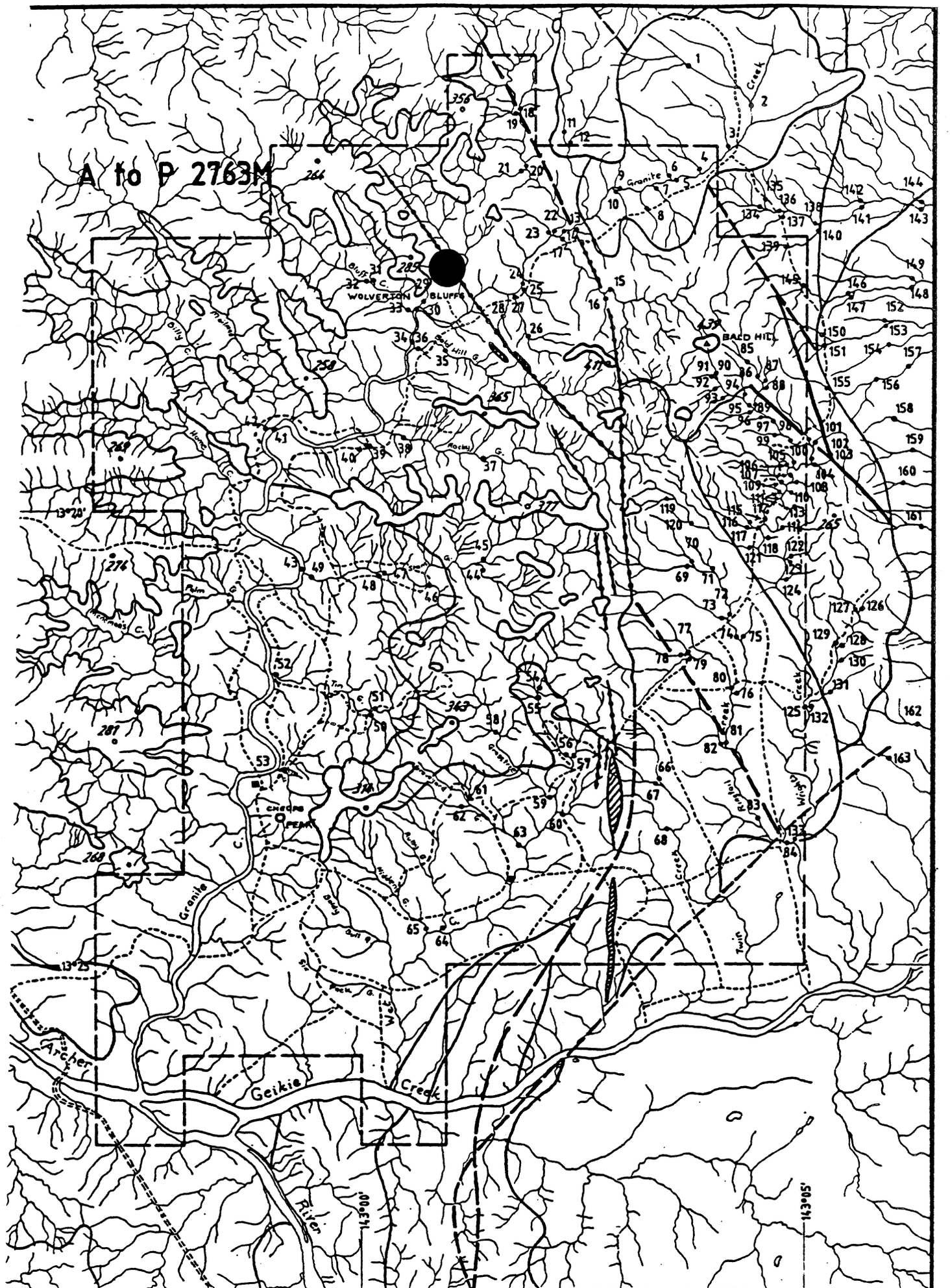
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. Main min. sought in the area: silica, ZR, RUT, and Monazite. Minerals apart from silica are of minor occurrence (5).

REMARKS....: #M1Over 500 mill.y3 of high grade, relatively easily mined silica sands. Transport of the sand mainly by SE-winds. Dunes may be several km in length, mostly stabilized by dense, stunted vegetation. Crescent dunes are least contaminated by vegetation. #DDA zone of crescent dunes occurs between White Point and Round Point and up to three miles inland, contains the best prospects for clean silica sand from about ten dunes (1). #GMMost likely source is the Blythesdale Sandstone within and near the AP. However, material currently being deposited along the Temple Bay shore is dominatly calcareous skeletal material derived from off-shore coral reefs.

REFERENCES.: R.HARE & ASSOCIATES(1968, QDRI unpublished company report CR 2503);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI



N	**WOLVERTON TIN PTY. LTD.**		WOLVERTON PROJECT
	COMPILED A.N.Z.E.C.	SCALE 1: 100,000	STREAM SEDIMENT GEOCHEMISTRY
	DRAWN I.A.T. / J.J.R.	DRAWING No. QW-19	
NORTH	DATE March 1982	FIGURE No. 12	

DATA SHEET 220

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Wolverton Bluffs(Upper Granite Creek) (Page 1 of 2) REFERENCE NUMBER:168272A

COMMODITIES ....: TIN
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 716800 mE, 8527200 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: Granite (Tin) Creek/ 2.4 km W of Point 365
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

CR 10216

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo],-; WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, 0, alluvial deposits; AUSTRALIA + NEW ZEALAND EXPLORATION Co.; AP 1933M; 1979; ABacdfq, 0,-;
TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE/ FALLOCH BEDS
HOST ROCK TYPE: Altered granite/ conglomerates.
HOST ROCK AGE : Late Silurian - Carboniferous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins, Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST,(MT),(GA),(ZR),(MOLY),(W),(MONAZITE).
SECONDARY MINERALS:
GANGUE .....: Q, TOU.

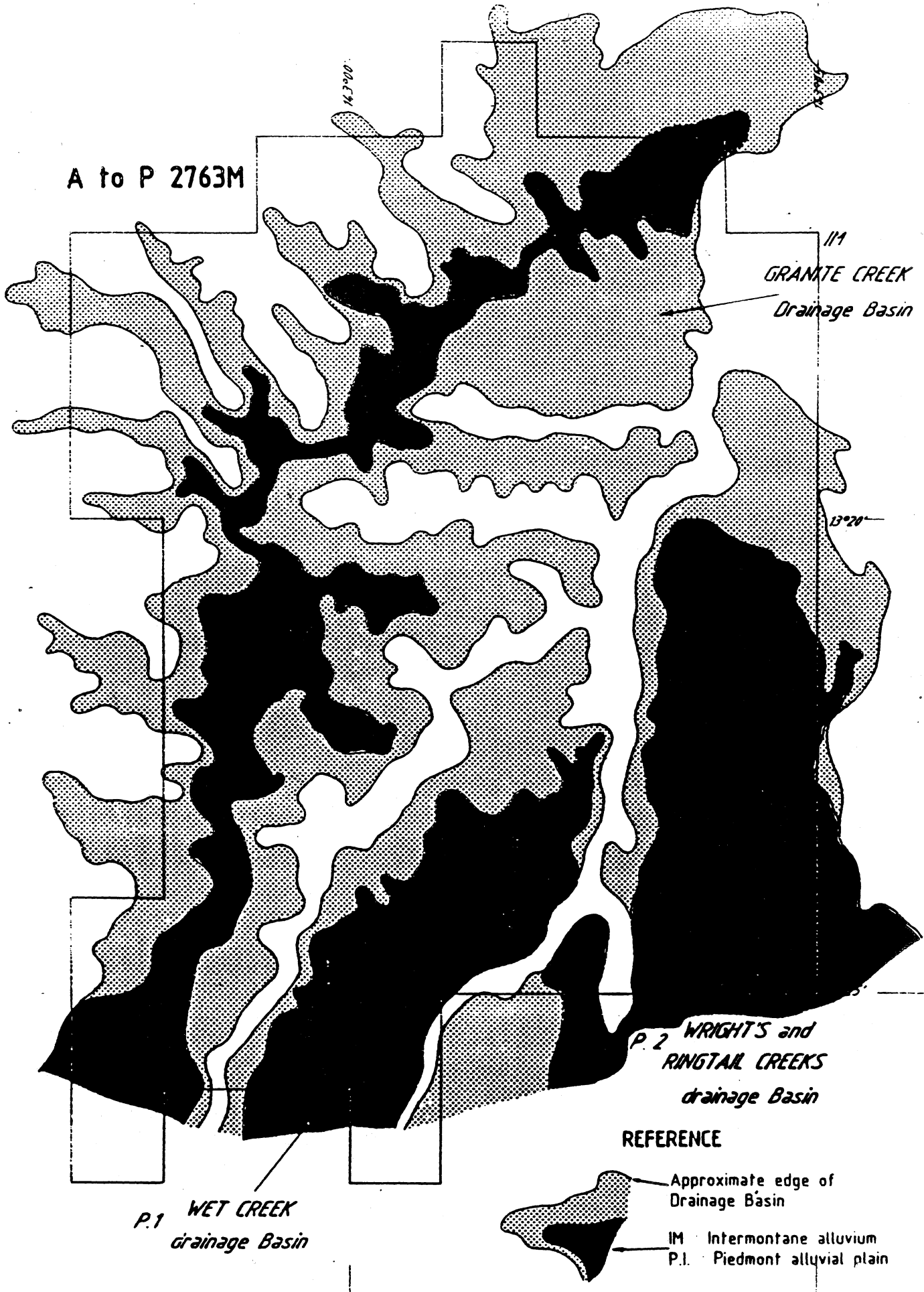
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial CST (detrital) tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and up. tributaries of Granite Cr. MOLY, W fairly signif. in stream samples.

REMARKS....: #MSRelatively minor terracing in assoc. with the creek system. Number of scree and talus covered slopes offer considerable tonnages, but tin content in insufficient to support even a small recovery operation (2m overburden on lower slopes)(2).Mainly CST. On heavy min.: MT abundant, relatively minor: ZR, GA, MONZ (2). #DDAlluvial workings in the whole drainage system of Granite Creek (Tin Creek). Area of about 4-5 sq.km. #MNCST occurs in free state and as crystals in greisen in constant assoc. with granites. #CMPrim. tin min. assoc. with intrusion of WOLVERTON ADAMELLITES (no known lode occurrences). A possibility of disseminated intra-granite min. mentioned (3). Secondary (detrital) deposits show two major fluviatile aggradational cycles in the area.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216); AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);



WOLVERTON TIN PTY. LTD.

COMPILED	J.A.T	SCALE	1: 100,000
DRAWN	J.A.T. / J.I.R	DRAWING No.	QW - 17
		FIGURE No	Overlay - 11

INTERPRETATION
CAINOZOIC COVER

NAME(S).....: Wolverton Bluffs(Upper Granite Creek) (Page 2 of 2) REFERENCE NUMBER:168272B

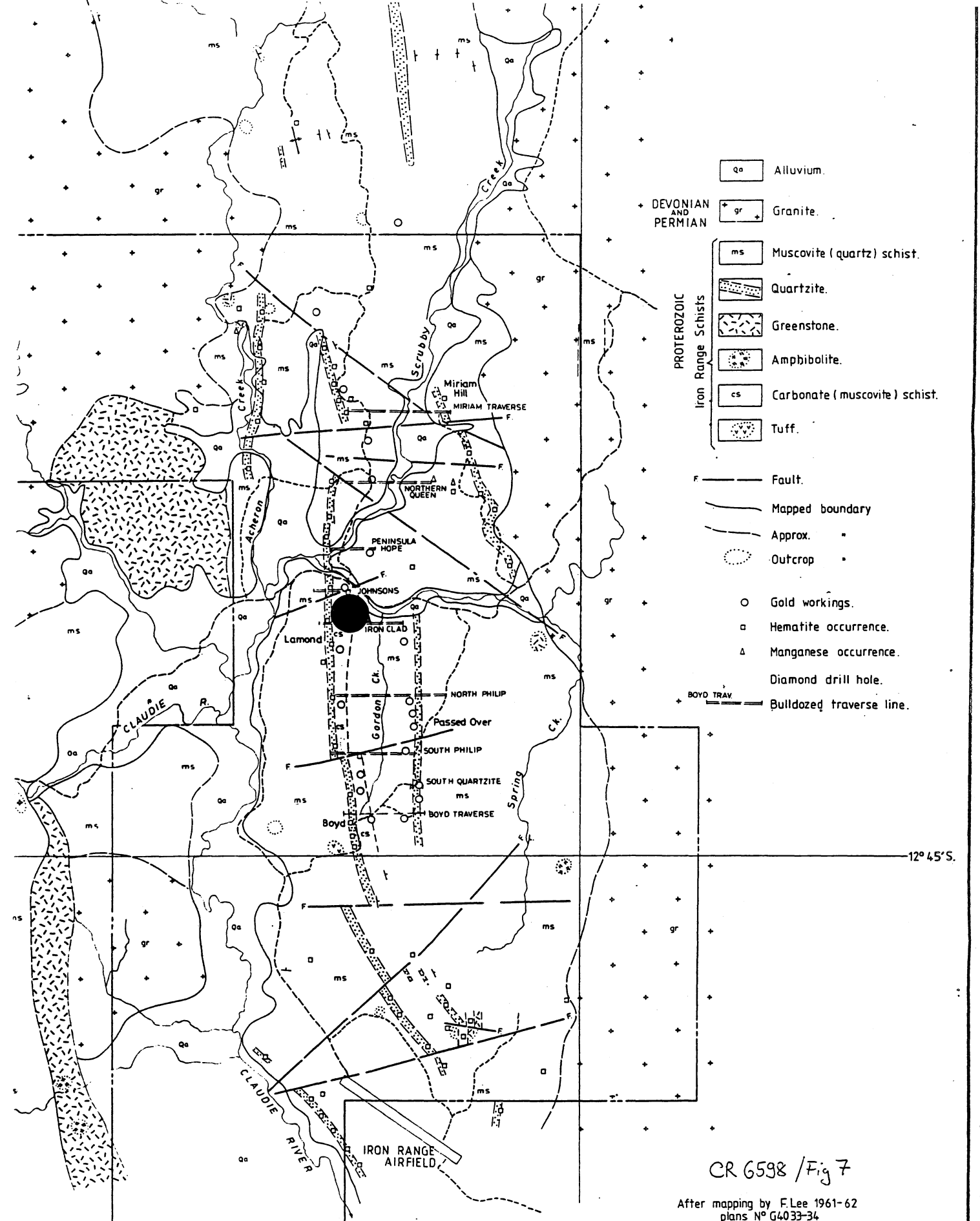
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMCycles of secondary deposits: 1. Mesozoic (U.J.) and 2. Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quarternary). Falloch Beds (stanniferous CZ sed.) cover large portion of the area (average 2 to 5m thick). #PRTin grades are very variable (like the thickness) Up to 0. 89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl.gravel show high degree of variation(0.2 - 0.9 kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained ("#MSdvera") (3) lated, exploratory costeans in Granite Creek indicated moderate to high grade (0.45 to 1.00 kg SnO2/m3) concentrations of tin. Typically in Granite Creek alluvium is "ponded' over several km lengths, behind intermittent granite bars; #MShence both widths and thicknesses of alluvium vary considerably. #DDAverage channel width of alluvium in Granite Creek is some 100m respectively, and thickness varies from 2 to 4m approx. #MN"Wash" size likewise varies from pebble-cobble gravels to occ. boulder gravels in the upper reaches of Granite Creek. Intermontane deposits of Granite Creek drainage basin: Drainage B: 125 km2; Alluvium: 36 km2; Relative % of alluvium: 28.8%. Some 2nd and 3rd order tribut. (>6 kg SnO2/m3) mined by "old timers" 1906-31

REFERENCES CONTINUED.:



Scale 1: 50.000

0 1 2 3 4 KILOMETRES

CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 222

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
- MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Wool Mill

REFERENCE NUMBER: 500928

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: 2 Shaft(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750000 mE, 8592800 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.1km ENE of Lammond Hill (No. 8a on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS),(CARB).

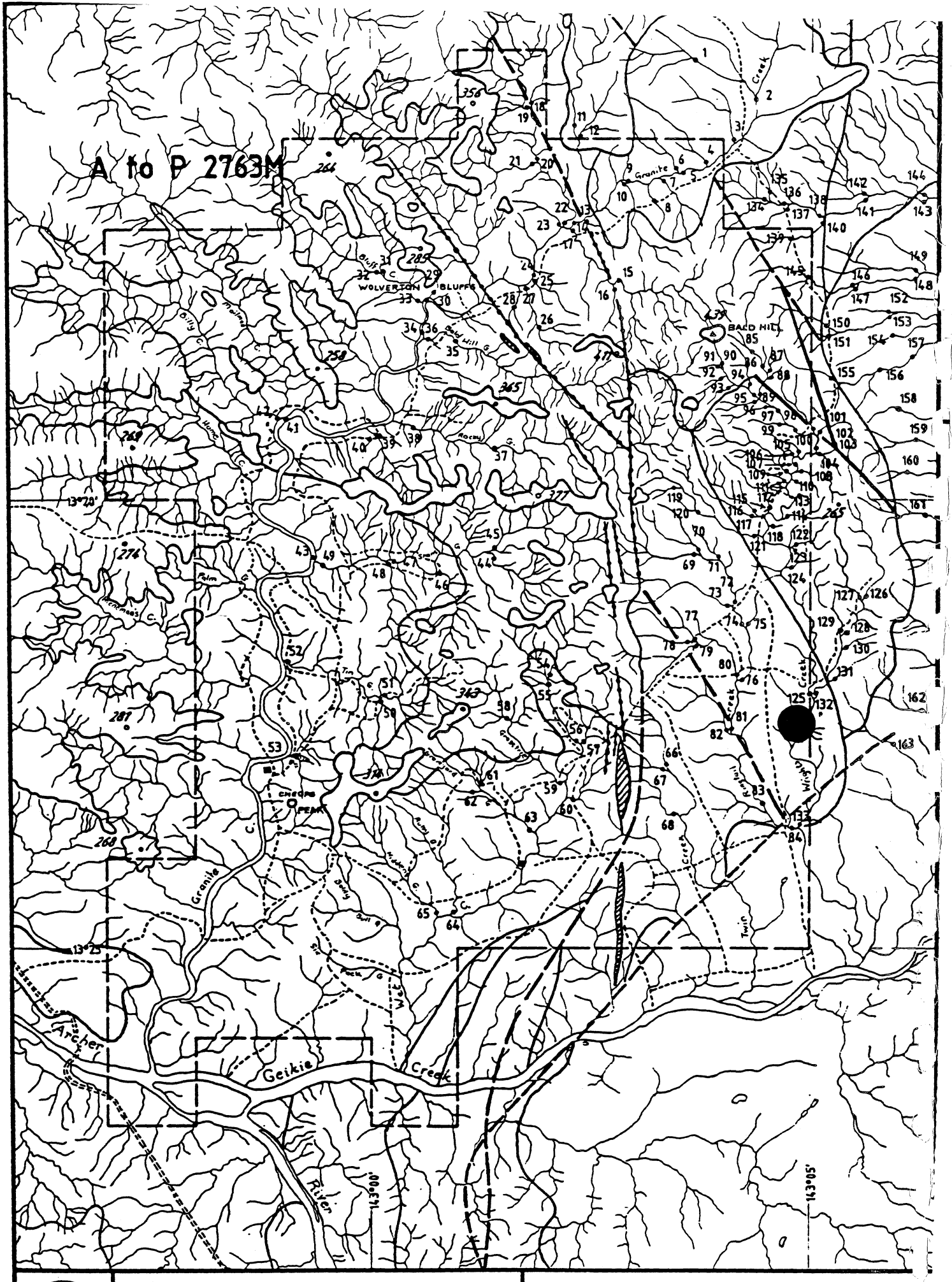
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: V.fine-Fine

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #DDLocality from Plan 6 of CR 7307 (no exact location!). #M1Prospecting area of Woolstencroft & Millar contains hardly noticeable outcrop of granite, due to degree of decomposition. An orebody of gossaneous Q was located in a pothole about 2m deep; #PRDollied stone gave 30 dwt/t Au. #M22 shafts were sunk on the slope of the hill below the pothole. #MNAu recovered was of extremly fine character.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961); Shepherd, S.R.Leonhard(1936);Hadley, B. A(1934);



N	**WOLVERTON TIN PTY. LTD.**		WOLVERTON PROJECT
	COMPILED A.N.Z.E.C.	SCALE 1: 100,000	STREAM SEDIMENT GEOCHEMISTRY
	DRAWN I.A.T. / J.L.R.	DRAWING No. QW-19	
NORTH	DATE March, 1982	FIGURE No. 12	

DATA SHEET 223

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Wrights Creek(Ringtail Creek) (Page 1 of 2) **REFERENCE NUMBER:252184A**

COMMODITIES ....: TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 24/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725200 mE, 8518400 mN.
AMG SOURCE/ACCURACY: CR 10216/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: Wrights Creek

LOCALITY ACC.: CR 10216/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, O, alluvial deposits;

TECHNIQUES USED ...: Geology,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FALLOCH BEDS/ Wolverton Beds
HOST ROCK TYPE: conglomerates - gravel.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Argillic.
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST,(MOLY),(W),(MT),(GA),(ZR),(MONAZITE).
SECONDARY MINERALS: LIM, HEM, GOET.
GANGUE .....: Q.

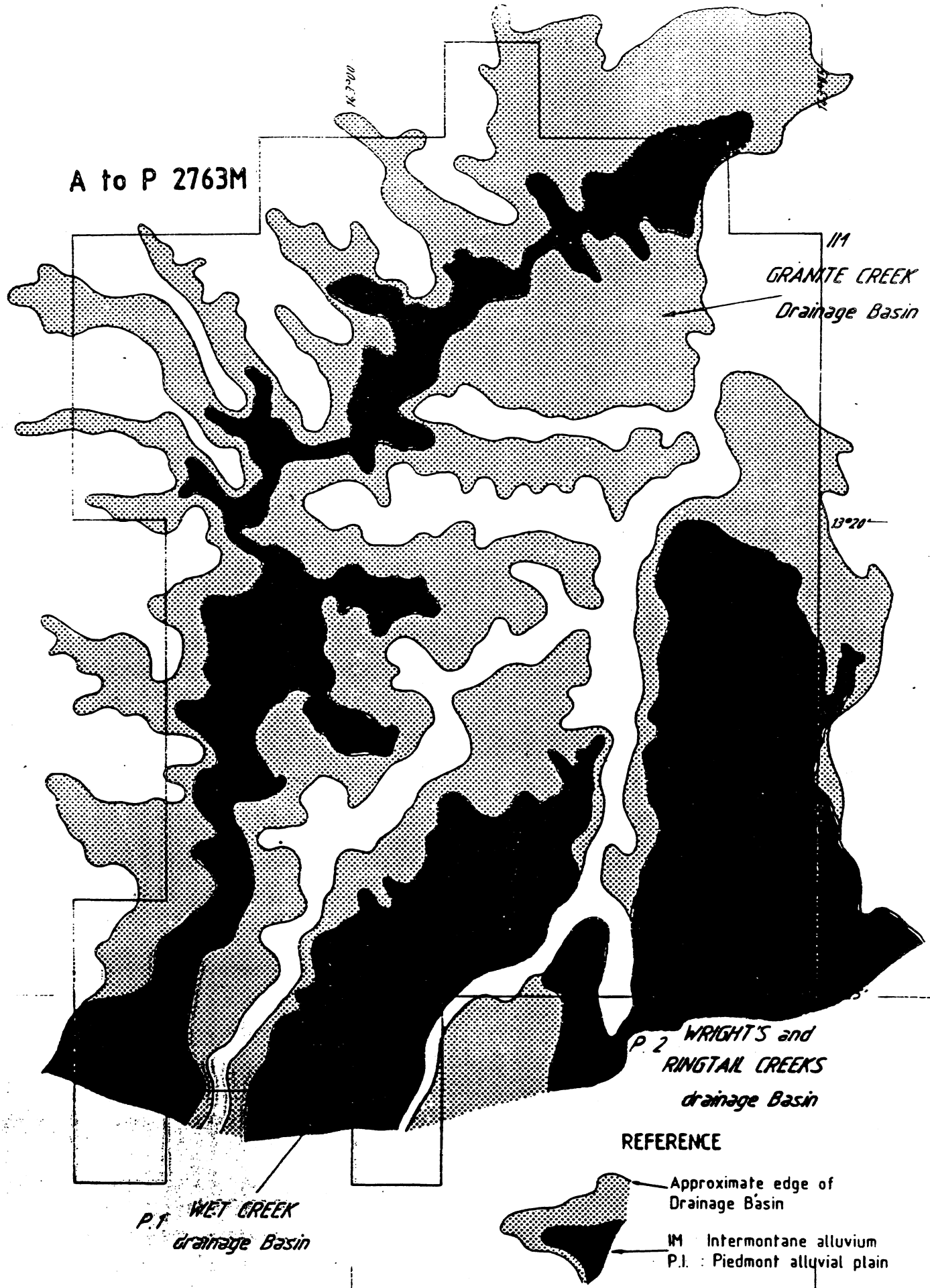
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and up. tributaries of Granite Cr. MOLY, W fairly signif. in stream samples.

REMARKS....: #GMCycles of second. deposits: 1.Mesozoic (U.J.) and 2.Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quarternary). Falloch Beds (stanniferous CZ sed.) cover large portion of the area (average 2 to 5m thick). #PRTin grades are very variable (like the thickness) Up to 0.89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl. gravel show high degree of variation(0.2 - 0.9kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained ("flood tin")(3). #DDLocality on E-side of Cr. 2 areas of alluvials:Wet Creek Alluv.and Lower Wet Cr. Alluv.

REFERENCES.: WOLVERTON TIN PTY LTD(1981, QDRI unpublished company report CR 9772);Titles and Tenures Services(1989);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);



NORTH	WOLVERTON TIN PTY. LTD.		
	COMPILED J.A.T	SCALE	1: 100,000
	DRAWN J.A.T. / J.I.R	DRAWING No.	OW - 17
	DATE March, 1982	FIGURE No	Overlay -11

INTERPRETATION
CAINOZOIC COVER

NAME(S).....: Wrights Creek(Ringtail Creek) (Page 2 of 2) REFERENCE NUMBER:2521848

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:
#M1Several isolated, exploratory costeans in Granite Creek indicated moderate to high grade (0.45 to 1.00 kg SnO2/m3) concentrations of tin. Typically in Granite Creek alluvium is "ponded' over several km lengths, behind intermittent granite bars; henceboth widths and thicknesses of alluvium vary considerably. #PRAverage grades at WRIGHT CREEK: 0.18 to 0.24 kg SnO2/m3 (considerablely lower than in the W); #DDPiedmont deposits of Ringtail-Wrights Creek drainage basin: Drainage B: 60 km2 Alluvium: 40 km2; Relative % of alluvium: 66.7%.

REFERENCES CONTINUED.:
LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);
AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);

AUSTRALIA AND NEW ZEALAND EXPLORATION COMPANY

STREAM SEDIMENT SAMPLE & TRENCH LOCATIONS

Yoohoo Creek Prospect A.P.1933M

PREPARED BY G WILLETT	DRAWN BY CARTOSCOPE, SYDNEY	
SCALE: 1:10,000	DATE DEC 1978	DWG NO CTS - C

CR. 6846 (Open file)

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: Yoohoo Creek Skarn (Page 1 of 2)

REFERENCE NUMBER:254251A

COMMODITIES ....: TUNGSTEN,TIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 12/01/89
METHOD OF WORKING..: 1 Pit(s), 1 Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 725400 mE, 8525100 mN.
AMG SOURCE/ACCURACY: CR 6846/ 100 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 3.2 km E of Point 419

LOCALITY ACC.: CR 6846/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:AUSTRALIA + NEW ZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfq, 0, skarn dep.;WOLVERTON TIN PTY LTD; AP 2763M; 1980; ABCElfquo, 0, skarn dep.;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE
HOST ROCK TYPE: Altered granite skarn.
HOST ROCK AGE : Late Silurian - Early Devonian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : SCHE,CST.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Altered and contaminated calcareous sediments: skarns. Tungsten min. = function of intrusion of K.A. into a limestone bearing sequence. Mineralisation mainly in insignificant concentrations.

REMARKS....: #CMIn general: All skarns of this area poorly mineralised. Could represent altered and pegmatite contaminated calcareous sed., with minor intercalations of basic and acid volc. material. Quartzofeldspathic gneisses and Q-MUS-pegmatites are common (= injections of magma from K.A.(1). Pegmatites possible agents responsible for tungsten mineralisation. #MEMetamorphism = upper greenschist facies with a superimposed contact metam. of hornblende hornfels facies. Metasomatism too restricted (anhydrous conditions) to allow the widespread development of calc-silikate skarns. #MNMinor SCHE min. assoc. with some skarns, distributed in fine veinlets of Q along cleavage fractures.

REFERENCES.: AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216);

NAME(S).....: Yoohoo Creek Skarn (Page 2 of 2)

REFERENCE NUMBER:254251B

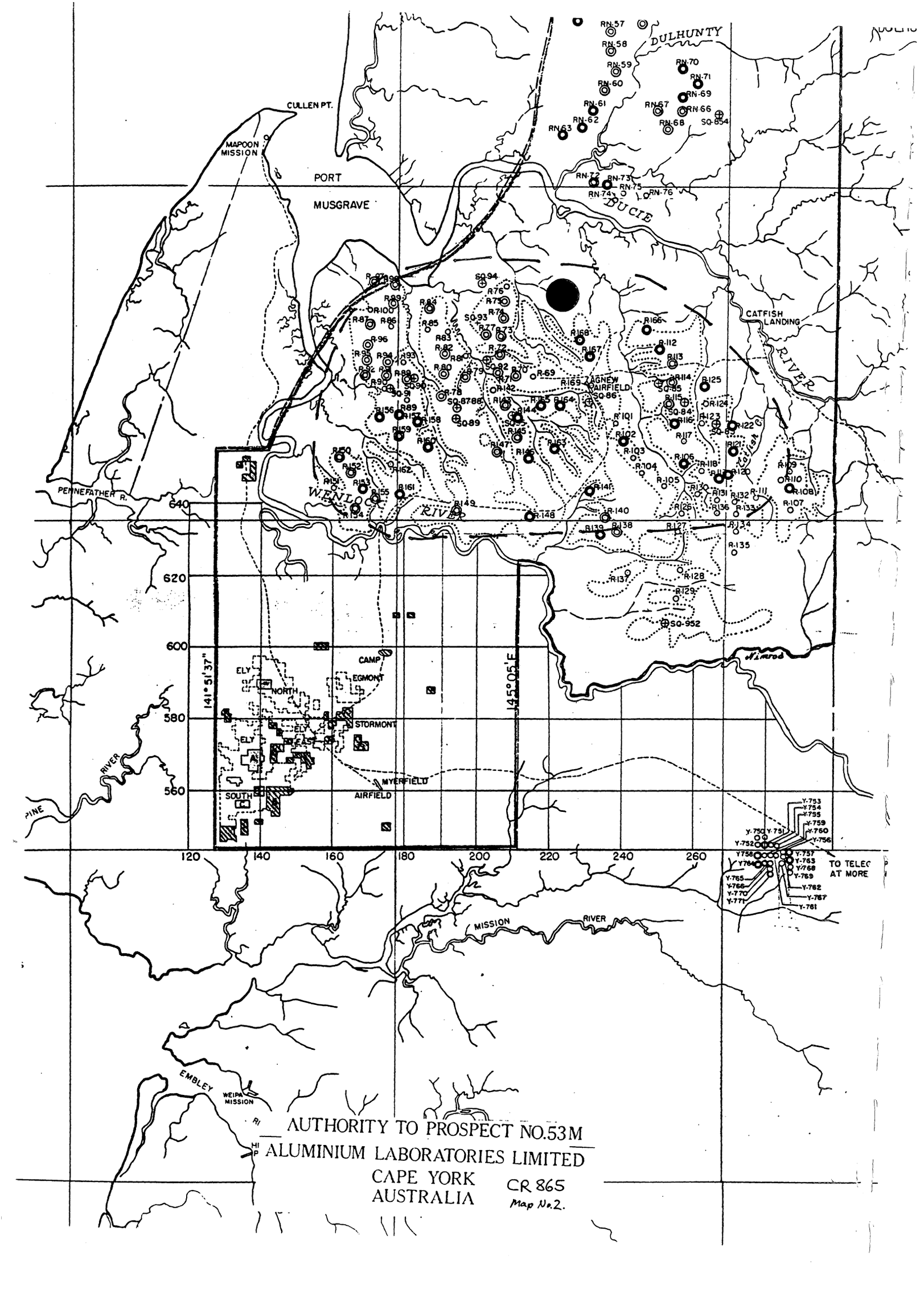
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMAt Yoohoo Creek SCHE min. formed by hydrothermal replacement of an intensely altered granitic host rock. Massive scheelite mineralisation occurs in weathered calcareous rock in the creek bed and disseminated scheelite/molyscheelite was exposed in trenches. #M1A 4m interval grading 0.17% W was obtained on sampling. Nightlamping revealed concentration in stream bed. A prospecting pit exposed high grade scheelite in a weathered calcareous rock (1). A limited soil geochemical sampling prog. was conducted over gridded area at Yoohoo Creek (65 samples). #M2Samples from A horizon soils below the humus layer. Results: background levels of 8-15 ppm W; locally 35 ppm W (Table 1 in (1)).

REFERENCES CONTINUED.:



AUTHORITY TO PROSPECT NO.53M

ALUMINIUM LABORATORIES LIMITED

CAPE YORK
AUSTRALIA

CR 865

Map No.2.

DATA SHEET 227

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 120590

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 612000 mE, 8659000 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

MINING TENURE.....:

1:250 000.....: WEIPA SD54-03
1:100 000.....: AGNEW 7373
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: E of Port Musgrave
LOCALITY.....: Between Wenlock and Ducie Rivers
LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1962)estimated BX:1510\7xt @52.0%Al2O3,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,3, weathered surface soil;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Feruginous laterite with pisolitic bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 1.6m av.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile.

REMARKS....: #DDArea between Wenlock and Ducie Rivers: estimated to have a potential of about 150000000 tons grading 12.5%SiO2 and 52%Al2O3 in the crude state. #M1A total of 101 holes drilled. 8 holes encountered of material containing <10%SiO2 and .50%Al2O3. 28 holes encountered material averaging between 10-15%SiO2 and >45%Al2O3. Washing tests on samples from one part of the area where the SiO2 was around 13% indicated a =10 mesh recovery of around 50% with some benfication of the silica down to 9-9.5% (2).

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);

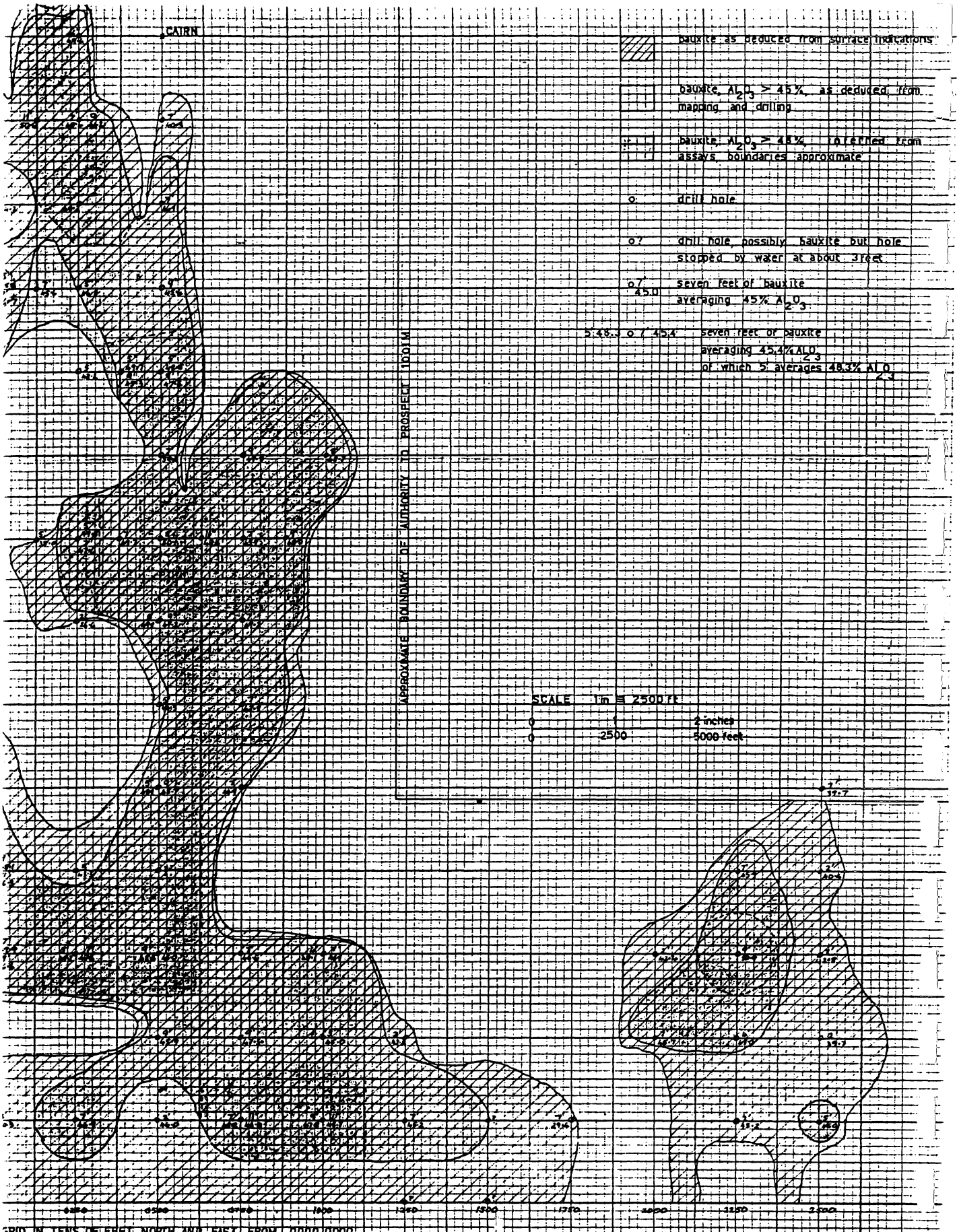


Fig 4 / CR. 4396

COMMONWEALTH ALUMINIUM CORP. LT		
AUTHORITY TO PROSPECT 100SQ.MI, DUGIE RIVER		
POSITIONS OF DRILL HOLES, EXTENT OF BAUXITE AND A		
COMPILED: J.C. GOUDIE	DRAWN: J.C.G.	COMALCO EXPLORATION D
DATE: 8 MARCH 1973	SCALE: 1in = 2500ft	PLAN NO. FIG 0.

DATA SHEET 228

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:370520

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 637000 mE, 8652000 mN.
AMG SOURCE/ACCURACY: CR 4392/Fig 3 & 4/ 100m

1:250 000.....: WEIPA SD54-03
1:100 000.....: AGNEW 7373
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.:
LOCALITY.....:

LOCALITY ACC.: CR 4392/Fig 3 & 4/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: COMMONWEALTH ALUMINIUM Co LTD(1973)unbeneficiated:66000000t @46.9%Al2O3,COMMONWEALTH ALUMINIUM Co LTD(1973)unbeneficiated:35800000t @48.9%Al2O3,COMMONWEALTH ALUMINIUM Co LTD(1975)crude tonnage:83963550t @49.5%Al2O3,COMMONWEALTH ALUMINIUM Co LTD(1975)benefic
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:COMMONWEALTH ALUMINIUM Co LTD; AP 1001M; 1973; CEJUTcelf,3,weathered soil profile;
COMMONWEALTH ALUMINIUM Co LTD; AP 1351M; 1974;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite, pisolitic bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GBS,BHM
GANGUE .....:

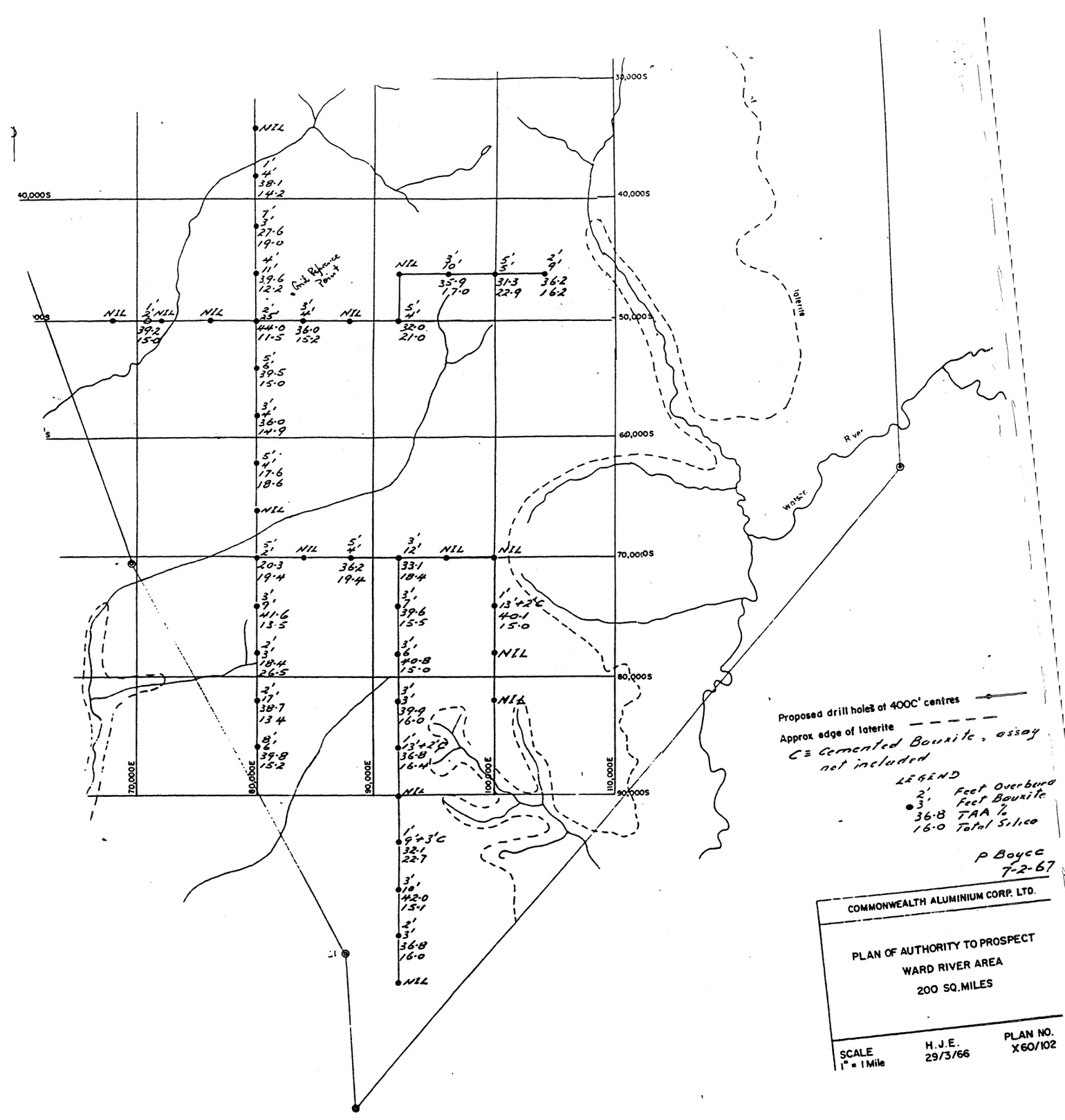
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered soil: ferruginous laterite and pisolitic bauxite.

REMARKS....:

REFERENCES.: COMMONWEALTH ALUMINIUM Co LTD(1973, QDRI unpublished company report CR 4392);COMMONWEALTH ALUMINIUM Co LTD(1973, QDRI unpublished company report CR 4317);COMMONWEALTH ALUMINIUM Co LTD(1975, QDRI unpublished company report CR 5228);


30,000S
40,000S
50,000S
60,000S
70,000S
80,000S
90,000S
70,000E
80,000E
90,000E
100,000E
110,000E
Grid Reference Point
Laterite
River
Proposed drill holes at 400C' centres
Approx edge of laterite
C = Cemented Bauxite, assay not included
LEGEND
2' Feet Overburd
3' Feet Bauxite
36·8 TAA %
16·0 Total Silica
P Boyce
7-2-67
COMMONWEALTH ALUMINIUM CORP. LTD.
PLAN OF AUTHORITY TO PROSPECT
WARD RIVER AREA
200 SQ. MILES
SCALE
1" = 1 Mile
H.J.E.
29/3/66
PLAN NO.
X60/102

DATA SHEET 229

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
-MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:880400

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 22/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 588000 mE, 8540000 mN.
AMG SOURCE/ACCURACY: CR 3363/ 300m

1:250 000.....: AURUKUN SD54-07
1:100 000.....: AURUKUN 7271
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: AURUKUN
LOCALITY.....: Ward - Watson Rivers

LOCALITY ACC.: CR 3363/ 300m

MINING TENURE.....: SBML-9

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:COMALCO ALUMINIUM IND LTD; AP 320M; 1967; 1, weathered surface soils;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: pisolitic bauxite and laterite/ arkose sandstones.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX, GBS
GANGUE .....: Q,KAO,

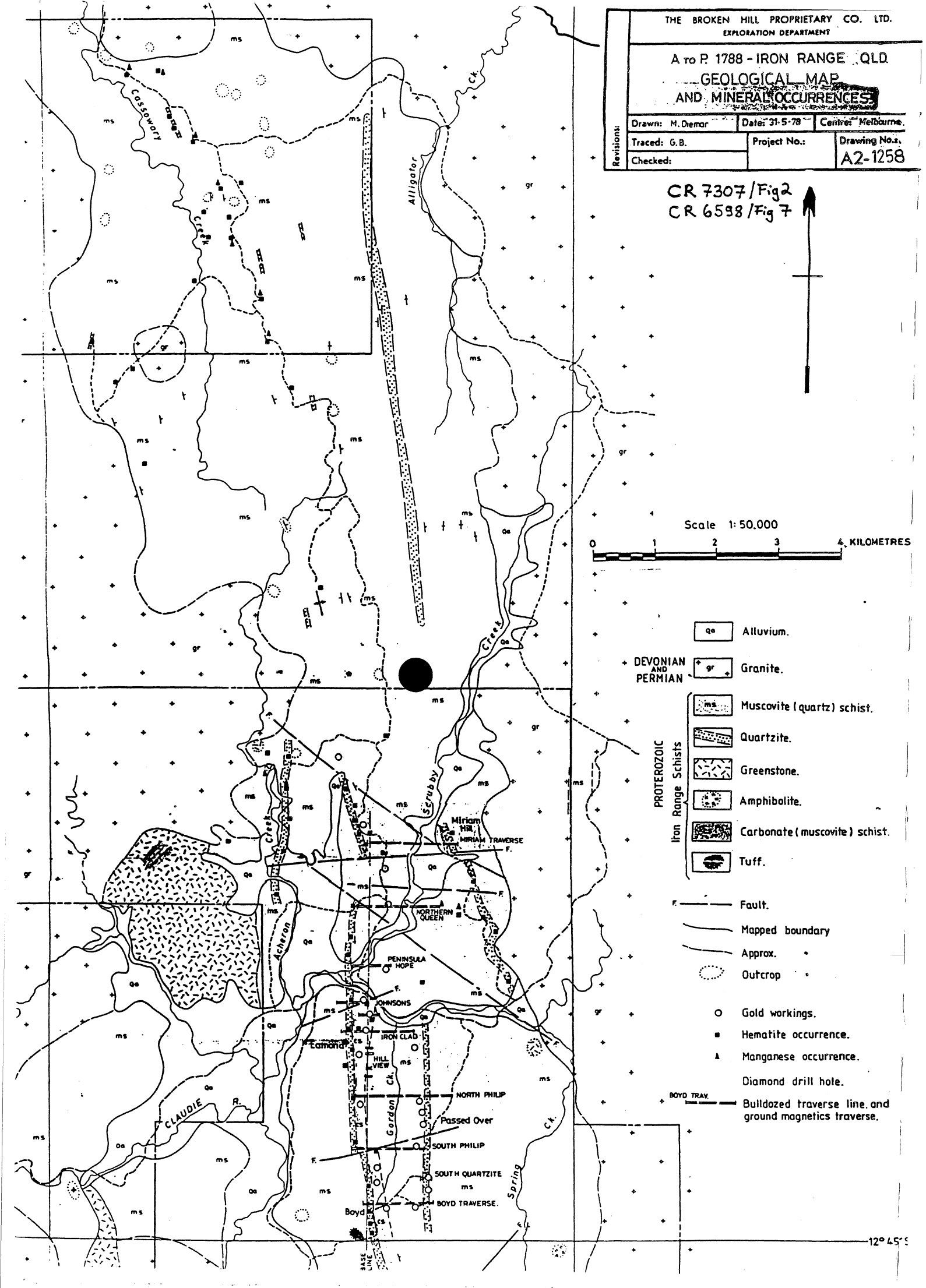
ORE TEXTURES....: Cataclastic.

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Weathered surface soils, pisolitic bauxites.

REMARKS....: #MNAurukun BX has higher content of silica than Weipa BX causing high consumption of caustic soda during processing. #DDCompare Grid Ref: 880400; #M1The results of drilling and testing programme have indicated the presence of bauxitic laterite in the major part of the area but the silica content is high and the alumina content low. Remainder of the area contained ferruginous laterite only.

REFERENCES.: Wolff, Kevin W.(1990);COMALCO ALUMINA IND LTD(1967, QDRI unpublished company report CR 3363);


THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A TO P 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Demar
Date: 31-5-78
Centre: Melbourne
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1:50,000
0 1 2 3 4 KILOMETRES
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Lamond
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
BASE LINE
12° 45'

DATA SHEET 230

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 459090

COMMODITIES ....: MANGANESE, IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 745900 mE, 8609000 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(No.1)/ CR 730 7/ 100m

MINING TENURE.....: (ML 488)

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 3.0 km NNE of Briar Hill (No.1 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(No.1)/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PROPRIETARY Co.LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

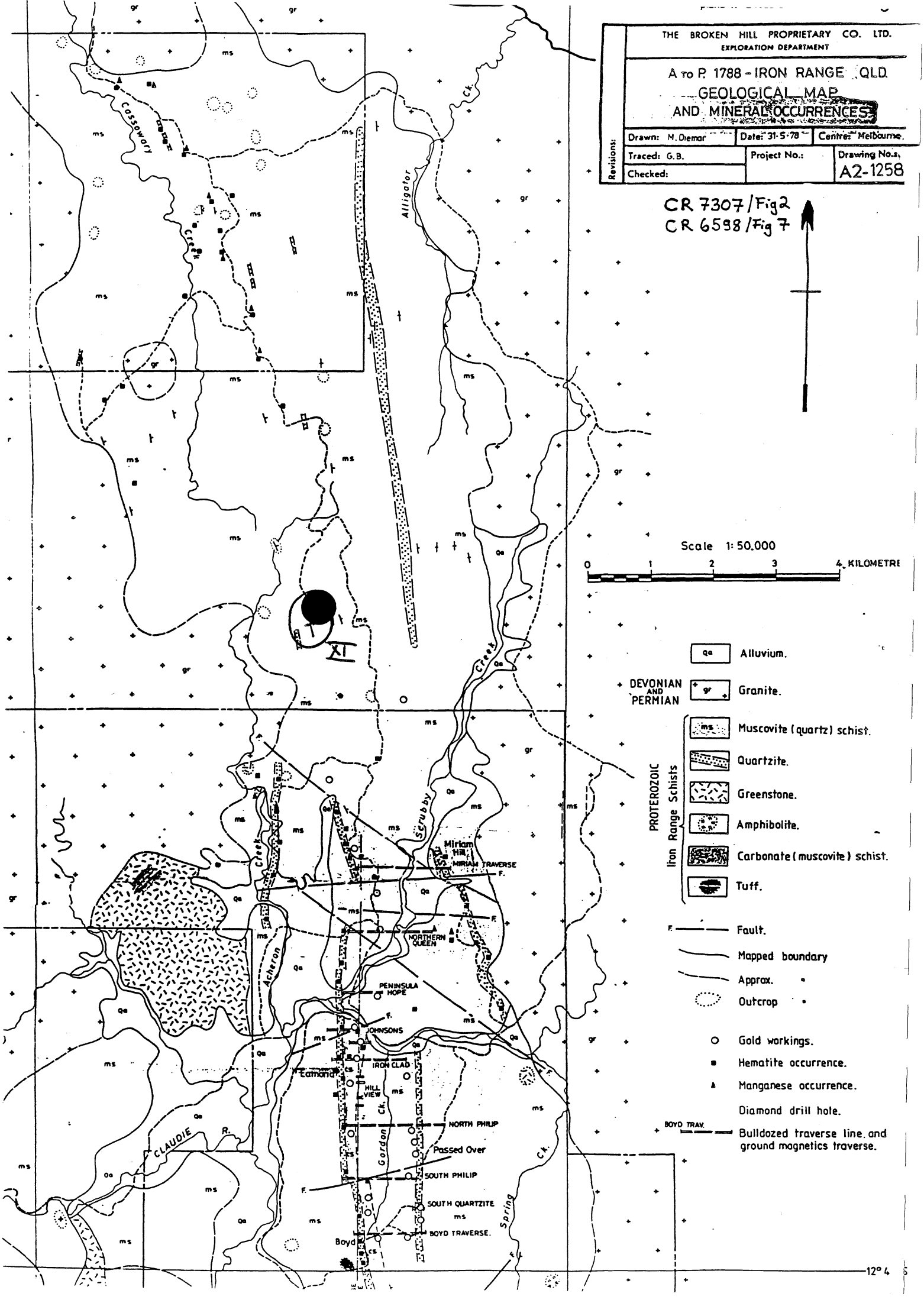
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);
Titles and Tenures Services(1962);


THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne.
Traced: G.B.
Project No.:
Drawing No.:
A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1: 50,000
0 1 2 3 4 KILOMETRE
Alluvium.
DEVONIAN AND PERMIAN
Granite.
PROTEROZOIC
Iron Range Schists
Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV.
Bulldozed traverse line and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Acheron Creek
Gordon Ck.
Spring Ck.
CLAUDIE R.
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
PENINSULA HOPE
JOHNSONS
IRON CLAD
Eamand
HILL VIEW
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
12° 4

DATA SHEET 231

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:465036

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 746500 mE, 8603600 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group XIII)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.4km SW of Joyce Hill/ 2.6 km SE of Briar Hill.
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group XIII)/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

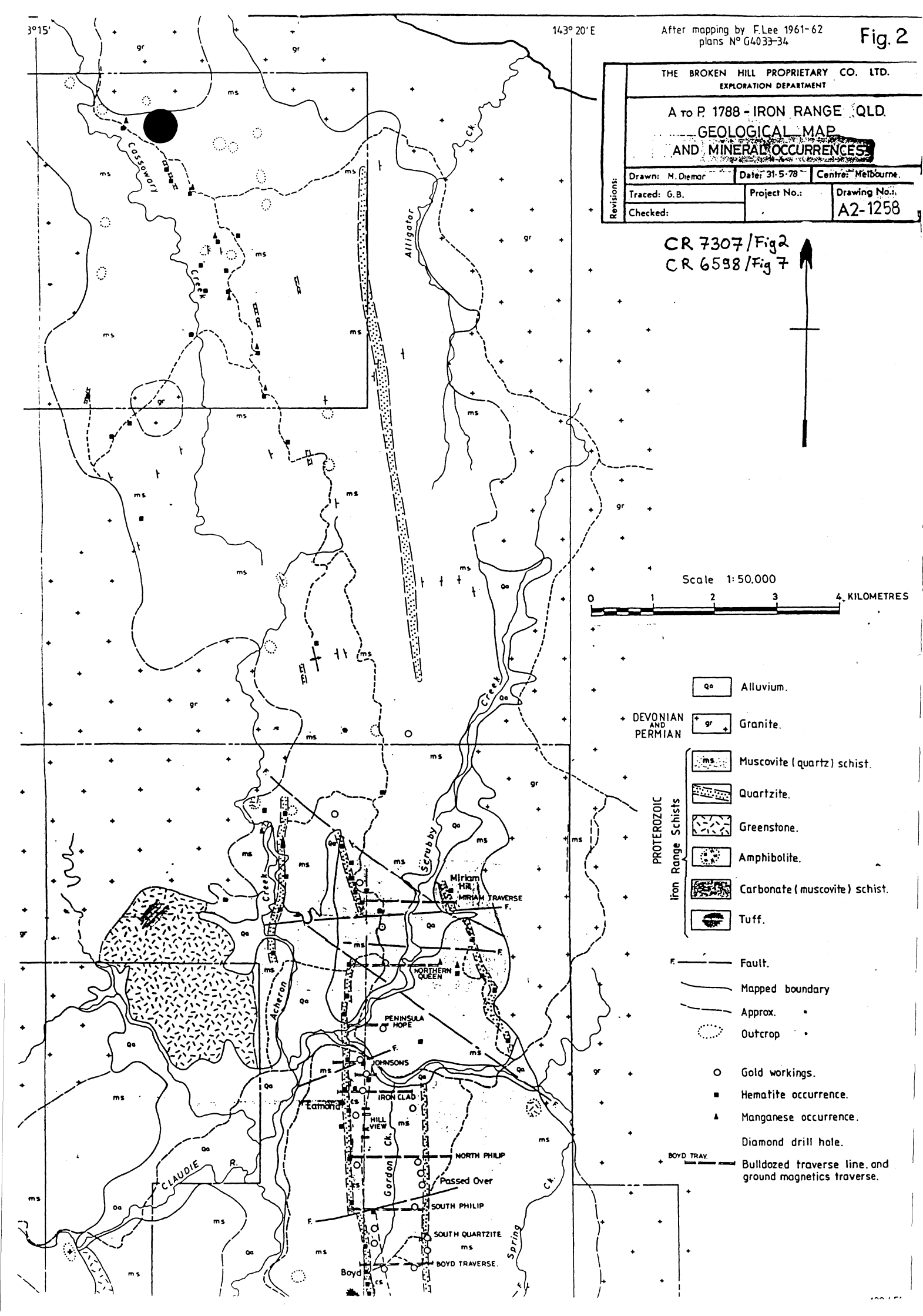
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows several (4) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 16. 746200/8604200; 17. 746600/8603500; 18. 746500/8603400; 19. 746600/8602600;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


3°15'
143° 20' E
After mapping by F.Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Revisions:
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne.
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
CR 7307/Fig2
CR 6598/Fig 7
Cassowary Creek
Alligator Ck.
Scale 1:50.000
0 1 2 3 4 KILOMETRES
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line, and ground magnetics traverse.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Eamond
HILL VIEW
Ck.
NORTH PHILIP
Gordon
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.

DATA SHEET 232

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 466089

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 746650 mE, 8608900 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.2 km NNW of Black Hill (No. 9 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

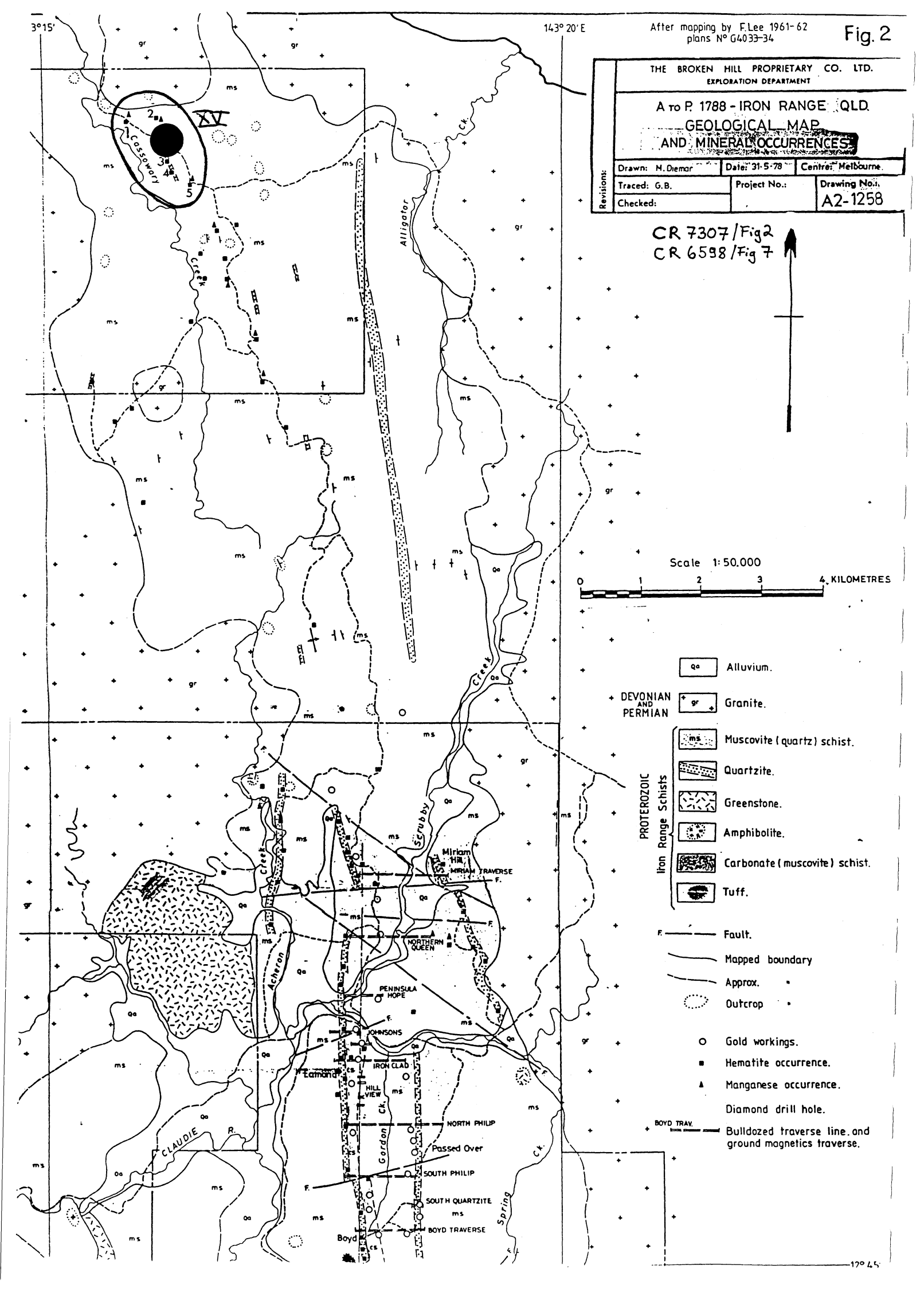
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


3°15'
143° 20' E
After mapping by F.Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES.
Drawn: N. Diemar
Date: 31-5-78
Centre: Melbourne
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1:50.000
0 1 2 3 4 KILOMETRES
Alluvium.
DEVONIAN AND PERMIAN
Granite.
PROTEROZOIC
Iron Range Schists
Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV.
Bulldozed traverse line and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Eamond
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE
Boyd
CLAUDIE R.
Spring Ck.
12° 45'

DATA SHEET 233

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:470083

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747000 mE, 8608300 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group XV)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.9km NW of Joyce Hill (Group XV on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

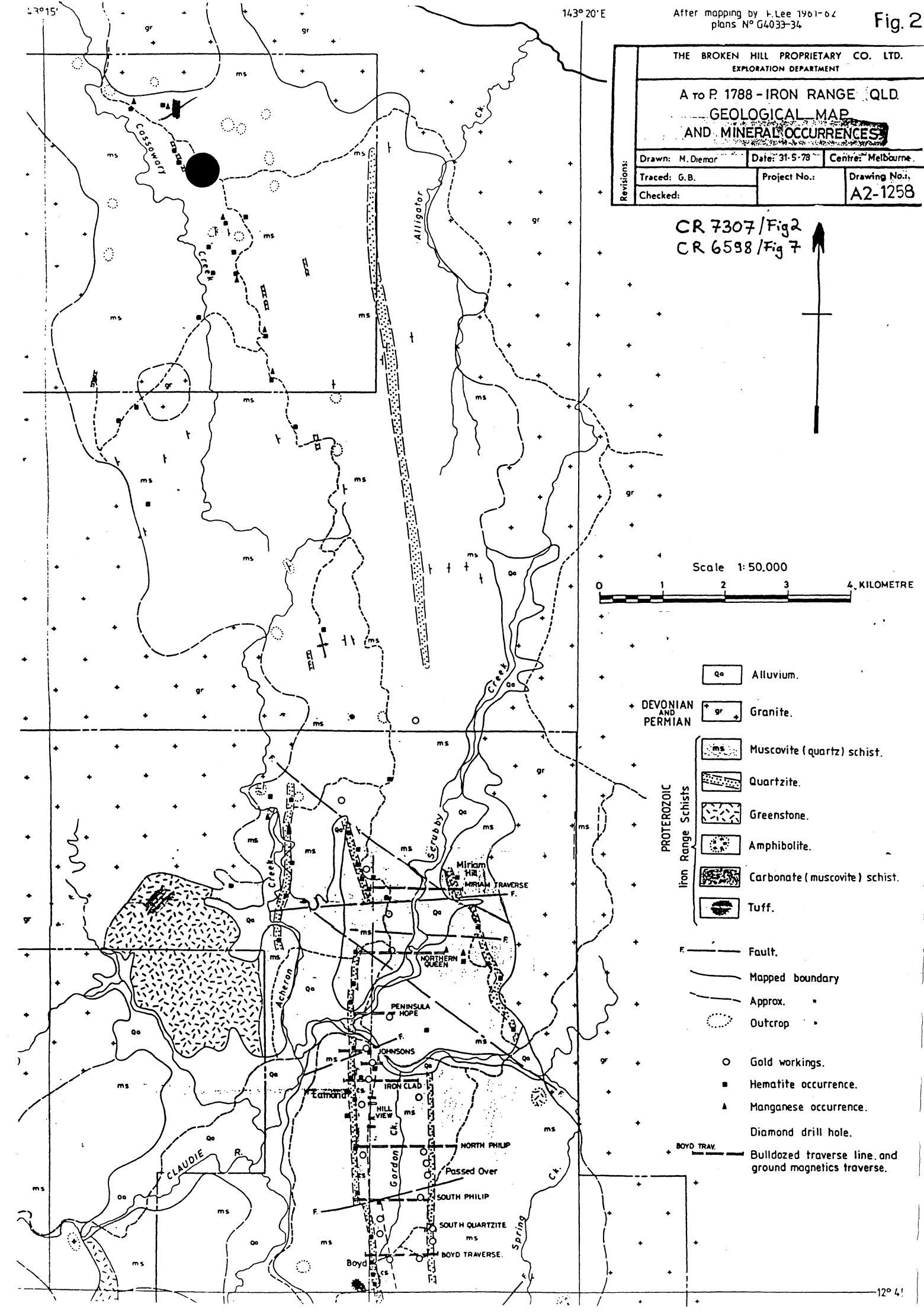
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows several (5) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 1. 745900/8608900; 2. 746600/8608900; 3. 746700/8608300; 4. 746800/8608200; 5. 747000/8607750;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


143° 20' E
After mapping by F. Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1: 50,000
0 1 2 3 4 KILOMETRE
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line, and ground magnetics traverse.
Cossowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Lamond Hill
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
12° 45'

DATA SHEET 234

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:471078

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747100 mE, 8607800 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.5 km NE of Briar Hill (No. 2 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....: (ML 490)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

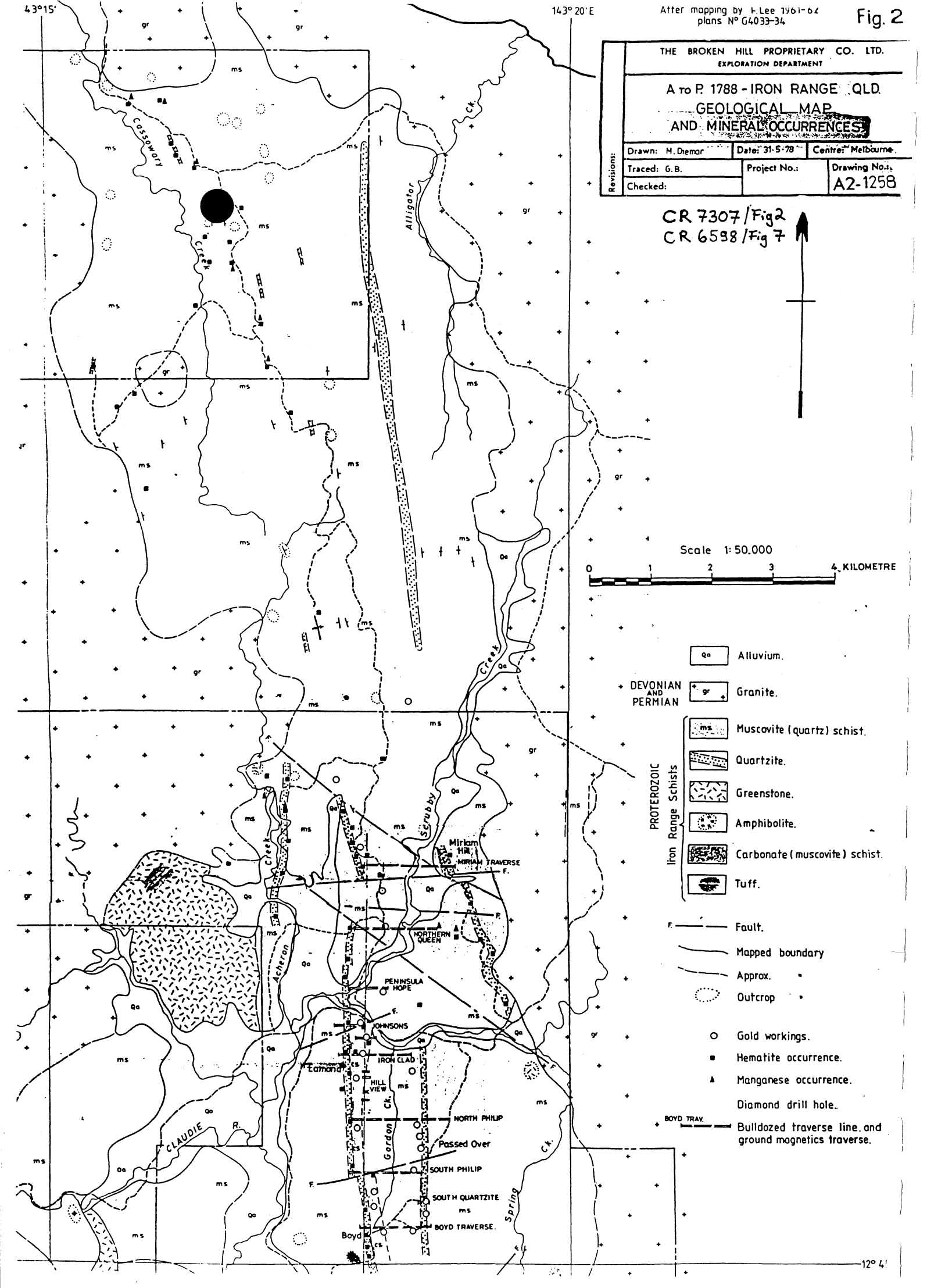
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961); Titles and Tenures Services(1962);


43°15'
143° 20' E
After mapping by F. Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1: 50.000
0 1 2 3 4 KILOMETRE
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Mt Eamond
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
12° 4'

DATA SHEET 235

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:475070

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747500 mE, 8607000 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ CR 7307/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.6km NNW of Joyce Hill/ (No.3 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....: (ML 489)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

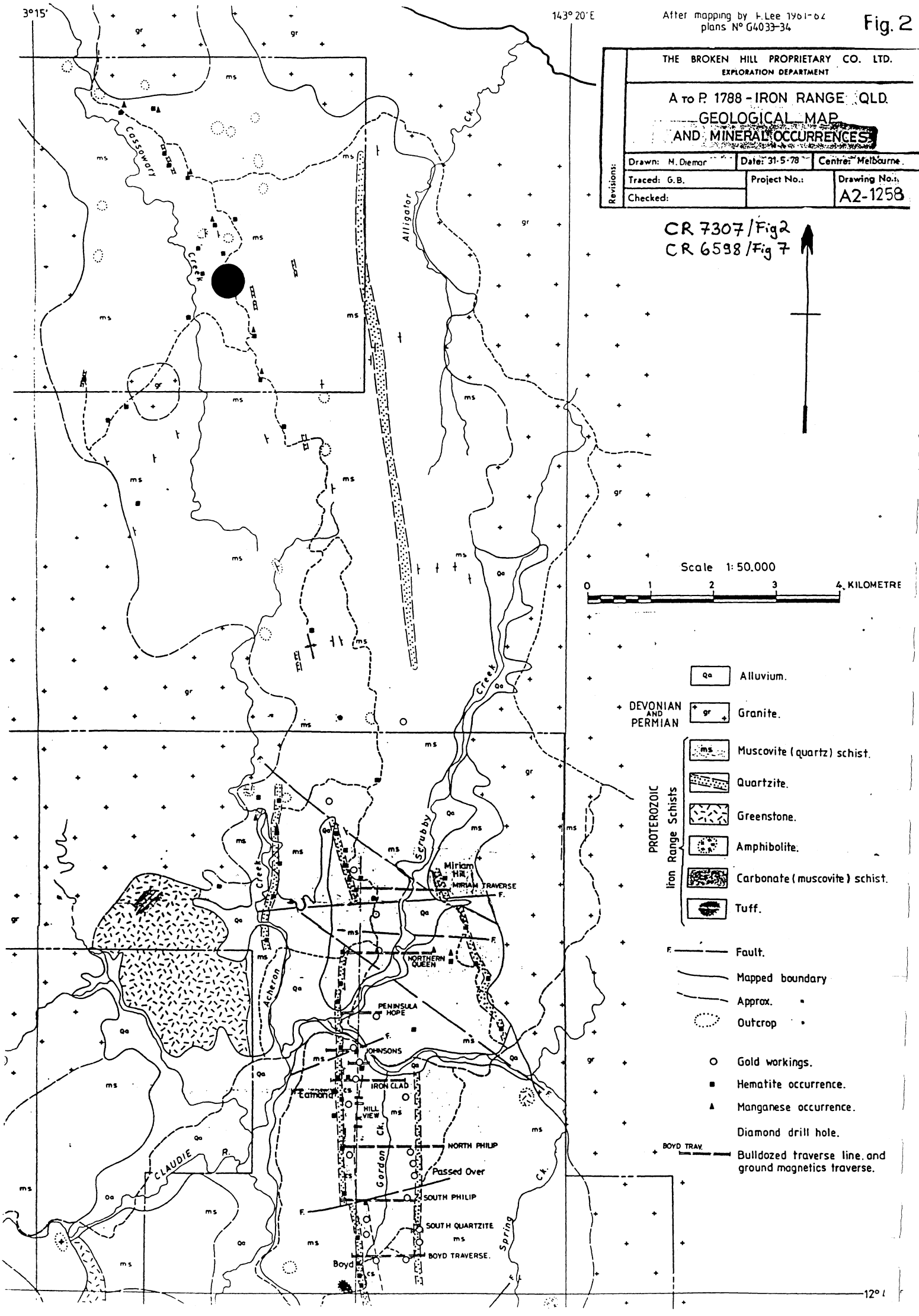
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961); Titles and Tenures Services(1962);



After mapping by F. Lee 1961-62
plans N° G4033-34

Fig. 2

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES

Revisions:	Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne.
	Traced: G.B.	Project No.:	Drawing No.: A2-1258
	Checked:		

CR 7307/Fig2
CR 6598/Fig 7

Scale 1: 50.000

0 1 2 3 4 KILOMETRE

qa Alluvium.

DEVONIAN AND PERMIAN
gr Granite.

PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.

F. Fault.
Mapped boundary
Approx.
Outcrop

Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line, and ground magnetics traverse.

DATA SHEET 236

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:476060**

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747650 mE, 8606000 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.3 km E of Briar Hill (No. 4 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);

Fig. 2

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES.

Revisions:	Drawn: N. Diemar	Date: 31-5-78	Centre: Melbourne.
	Traced: G.B.	Project No.:	Drawing No.: A2-1258
	Checked:		

CR 7307/Fig2
CR 6598/Fig 7

Scale 1:50.000
0 1 2 3 4 KILOMETRES

- Qa — Alluvium.
- DEVONIAN AND PERMIAN: gr — Granite.
- PROTEROZOIC Iron Range Schists:
  - ms — Muscovite (quartz) schist.
  - Quartzite.
  - Greenstone.
  - Amphibolite.
  - Carbonate (muscovite) schist.
  - Tuff.
- F. — Fault.
- Mapped boundary
- Approx.
- Outcrop
- Gold workings.
- Hematite occurrence.
- Manganese occurrence.
- Diamond drill hole.
- BOYD TRAV. — Bulldozed traverse line and ground magnetics traverse.

Cassowary Ck.
Alligator Ck.
Creek
Scrubby Creek
Acheron Creek
Gordon Ck.
Spring Ck.
Claudie R.
XIV
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
PENINSULA OF HOPE
JOHNSONS
IRON CLAD
Eamond
HILL VIEW
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd

3°15'
143° 20' E
12° 45

DATA SHEET 237

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:476064

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 747600 mE, 8606400 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group XIV)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 0.9 km NNW of Joyce Hill (Group XIV on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group XIV)/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

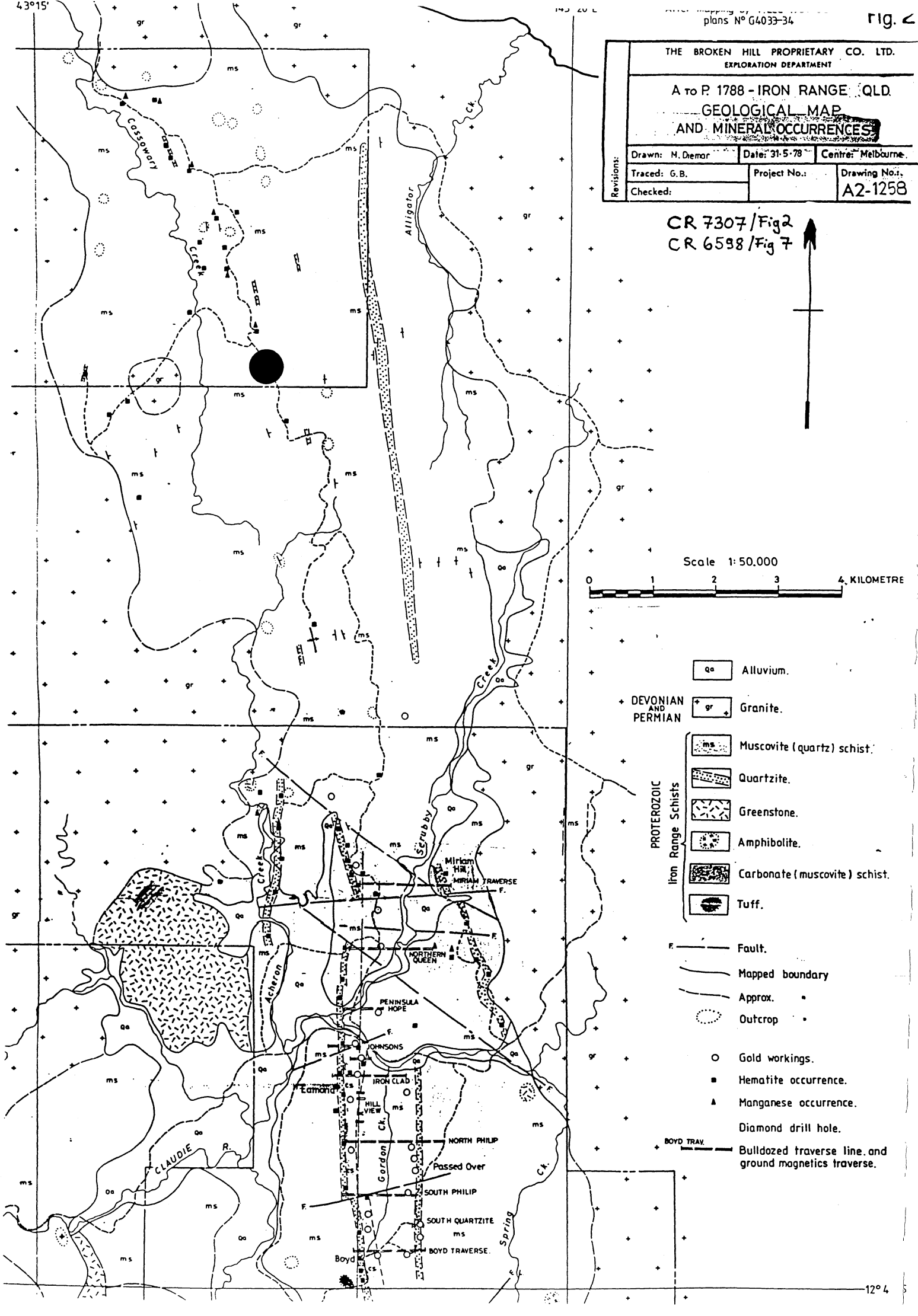
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows several (7) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 6. 747800/8606400 7. 747600/8606350; 8. 747500/8606200; 9. 747700/8606150; 10. 747700/8605050; 11. 746900/8605500; 12. 747650/8606050;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES.

Revisions:	Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne.
	Traced: G.B.	Project No.:	Drawing No.: A2-1258
	Checked:		

CR 7307/Fig2
CR 6598/Fig 7

Scale 1: 50.000

0 1 2 3 4 KILOMETRE

- Qa — Alluvium.
- DEVONIAN AND PERMIAN — gr — Granite.
- PROTEROZOIC Iron Range Schists:
  - ms — Muscovite (quartz) schist.
  - Quartzite.
  - Greenstone.
  - Amphibolite.
  - Carbonate (muscovite) schist.
  - Tuff.
- F. — Fault.
- Mapped boundary
- Approx.
- Outcrop
- Gold workings.
- Hematite occurrence.
- Manganese occurrence.
- Diamond drill hole.
- BOYD TRAV. — Bulldozed traverse line and ground magnetics traverse.

DATA SHEET 238

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:481045

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 748100 mE, 8604500 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.0 km SSE of Joyce Hill (No. 6 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

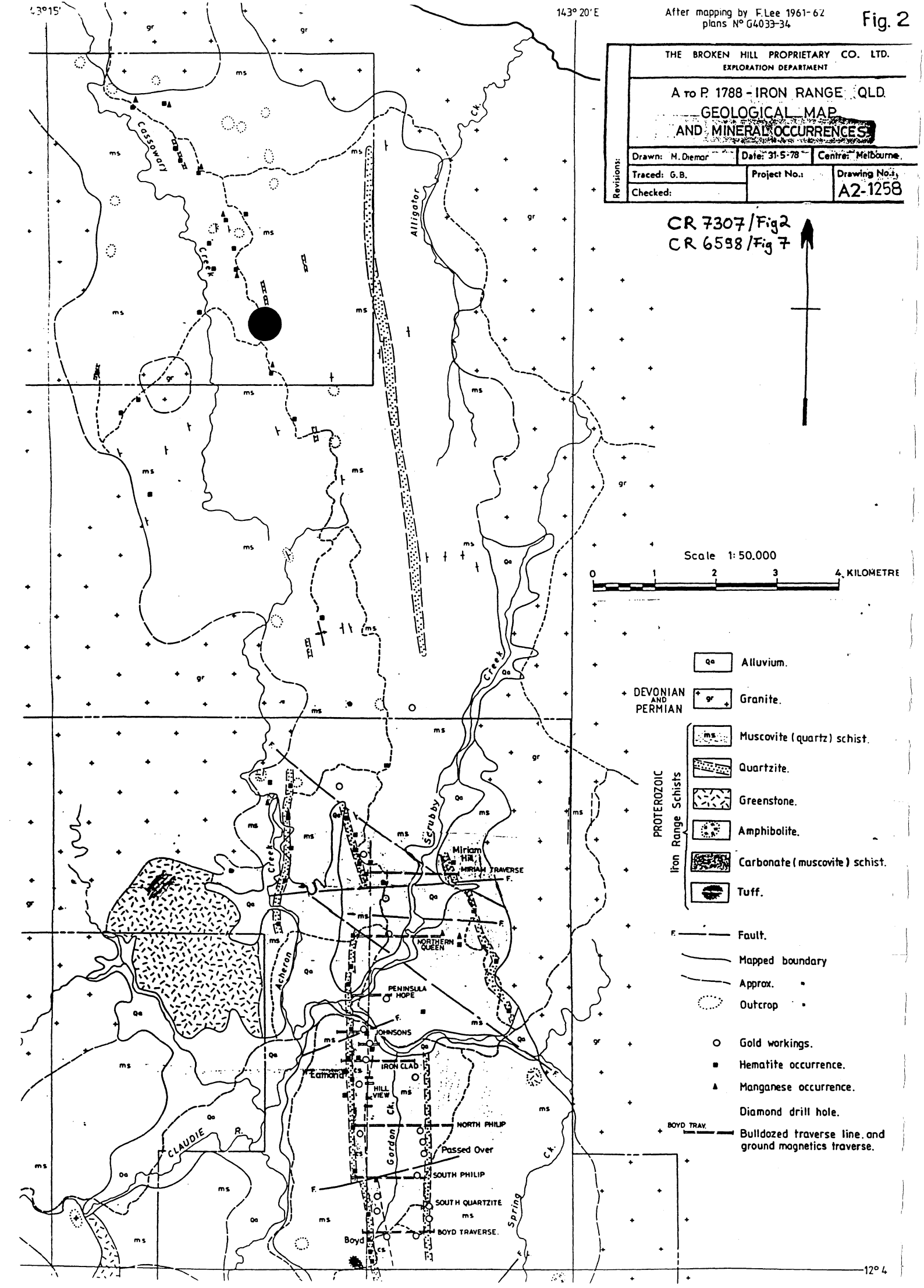
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


143°15'
143° 20' E
After mapping by F. Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Revisions:
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne.
Traced: G.B.
Project No.:
Drawing No.:
Checked:
A2-1258
CR 7307/Fig2
CR 6598/Fig 7
Scale 1:50.000
0 1 2 3 4 KILOMETRE
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV.
Bulldozed traverse line, and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Eamond
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
12° 4

DATA SHEET 239

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:481052**

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 748100 mE, 8605200 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 400 m SE of Joyce Hill (No. 5 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

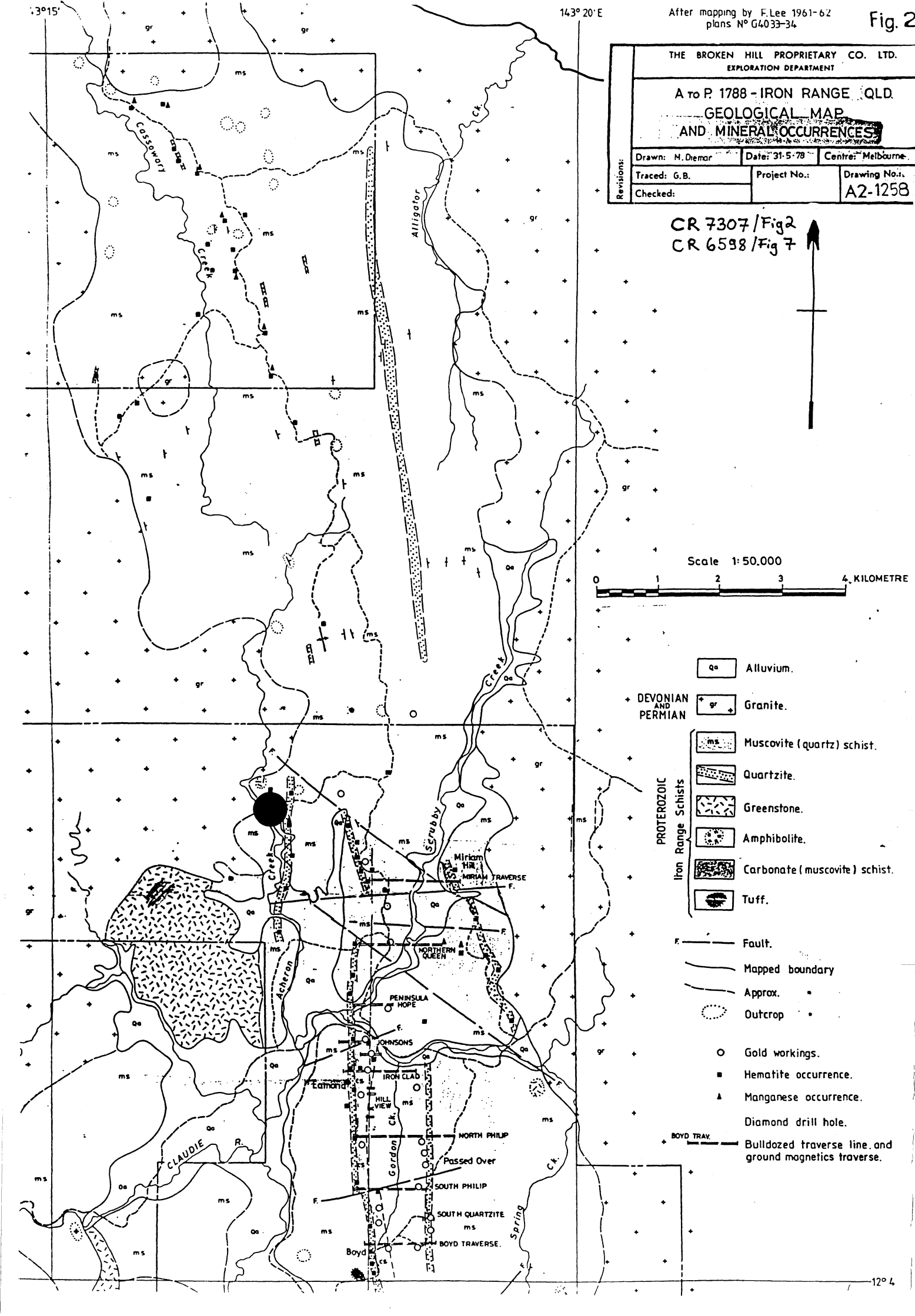
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:** Banded.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q. **ORE GRAIN SIZE..:**

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


13°15'
143° 20' E
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Edmond
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
12° 4
After mapping by F.Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1:50.000
0 1 2 3 4 KILOMETRE
Alluvium.
DEVONIAN AND PERMIAN
Granite.
PROTEROZOIC
Iron Range Schists
Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV.
Bulldozed traverse line and ground magnetics traverse.

DATA SHEET 240

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:482972

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 748200 mE, 8597200 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.4 km NNE of Tattam Hill (No. 8 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q.

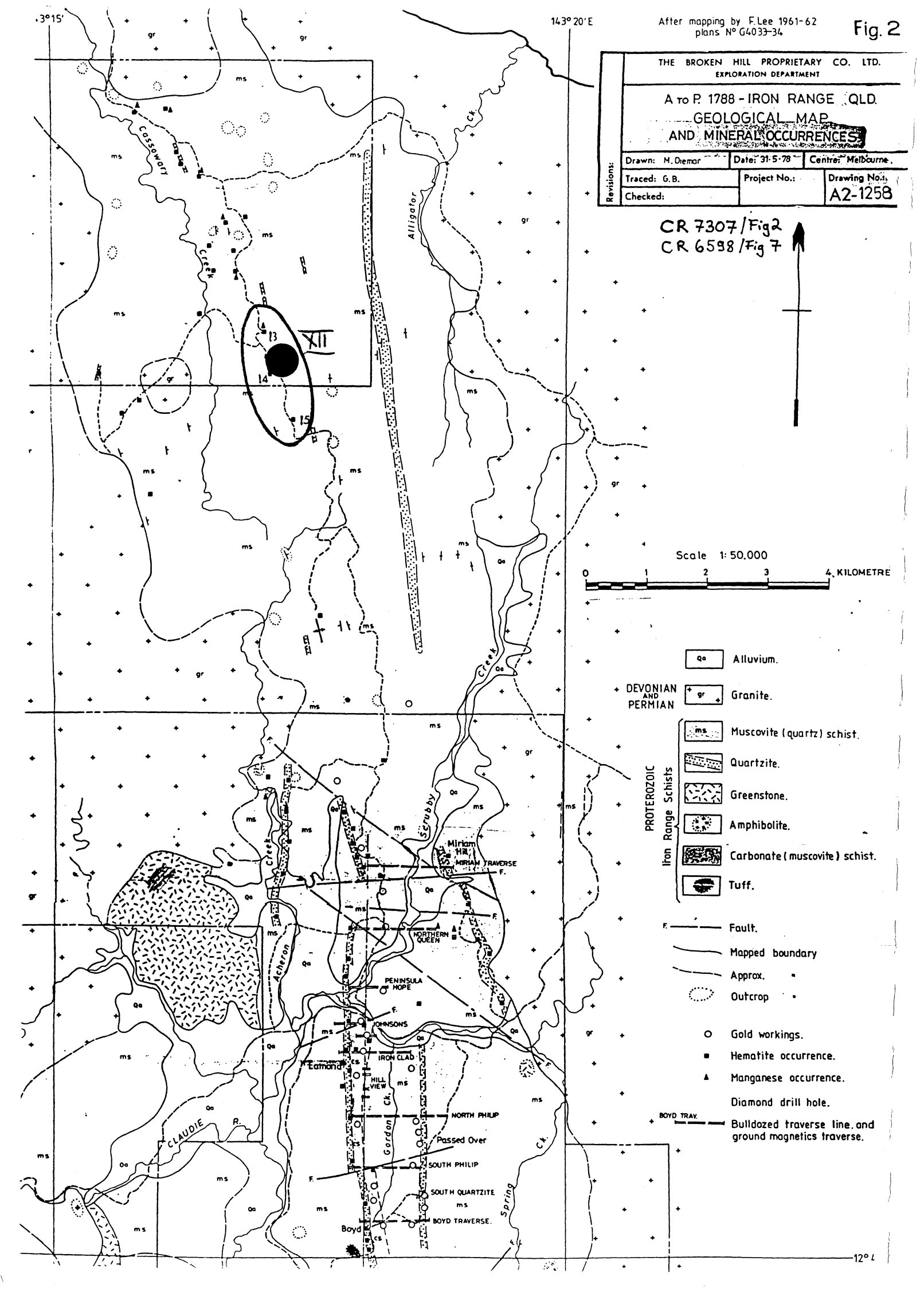
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598. 2 occurences in this reference: 8. East: 748200/8597200 and 8. West: 748400/8597100

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


13°15'
143° 20' E
After mapping by F. Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne.
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Cassowary Creek
Alligator Ck.
Scrubby Creek
Acheron Creek
Gordon Ck.
Spring Ck.
CLAUDIE R.
XII
13
14
15
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
PENINSULA HOPE
JOHNSONS
IRON CLAD
Eamond
HILL VIEW
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
Scale 1: 50.000
0 1 2 3 4 KILOMETRE
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV.
Bulldozed traverse line, and ground magnetics traverse.
12° 1

DATA SHEET 241

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:486045

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 748600 mE, 8604500 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group XII)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.0 km SSE of Joyce Hill (Group XII on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group XII)/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows several (3) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 13. 748100/8605150; 14. 748150/8604450; 15. 748600/8603500;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);

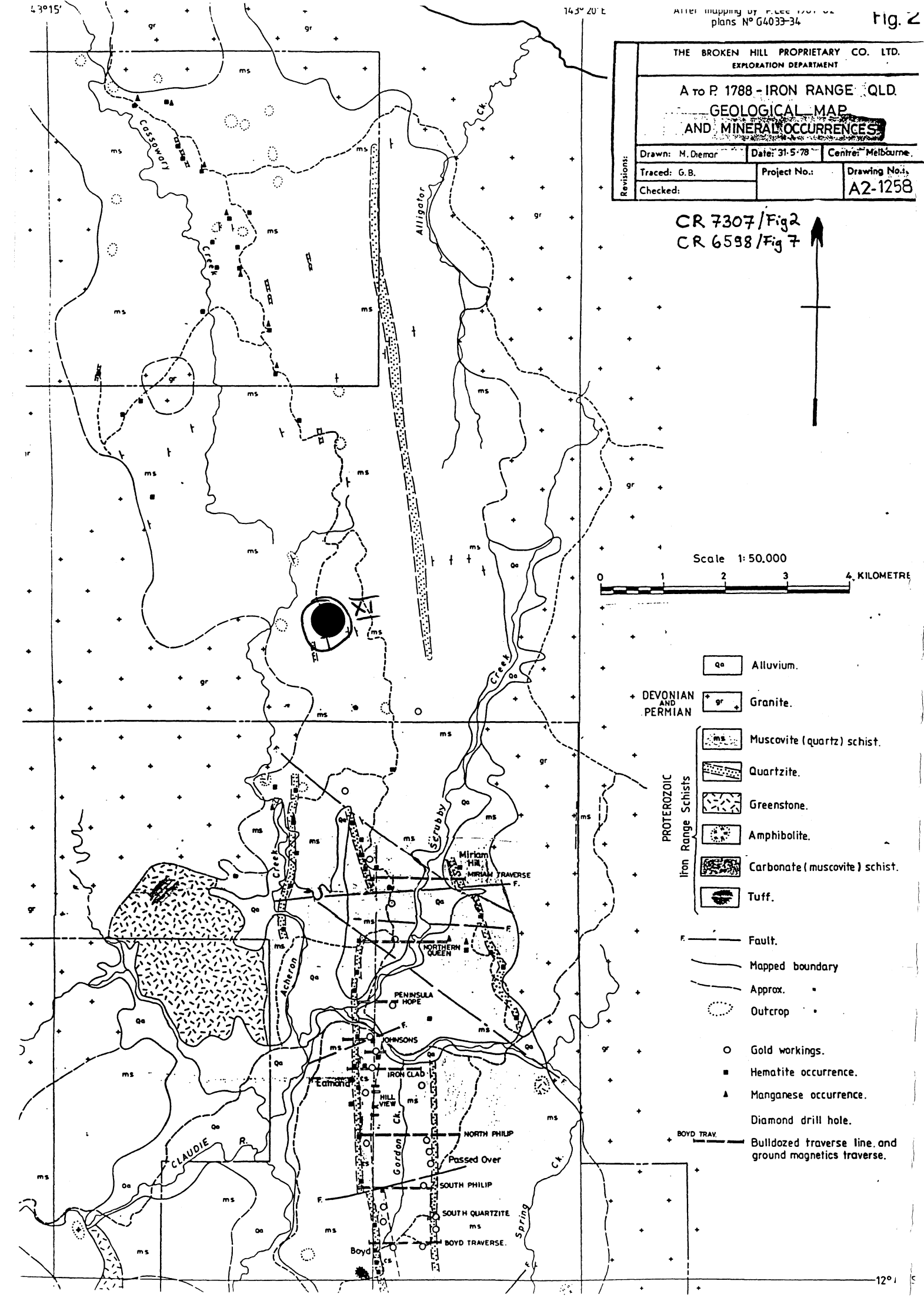


Fig. 2
After mapping by P. Lee 1961-62
plans N° G4033-34
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne.
Traced: G.B.
Project No.:
Drawing No.: A2-1258
Revisions:
Checked:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1:50,000
0 1 2 3 4 KILOMETRE
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC
Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line, and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Eamand
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
143° 20' E
12°

DATA SHEET 242

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 490003

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749000 mE, 8600300 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group XI)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 5.8 km W of Ogilwe Hill(Group XI on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group XI)/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

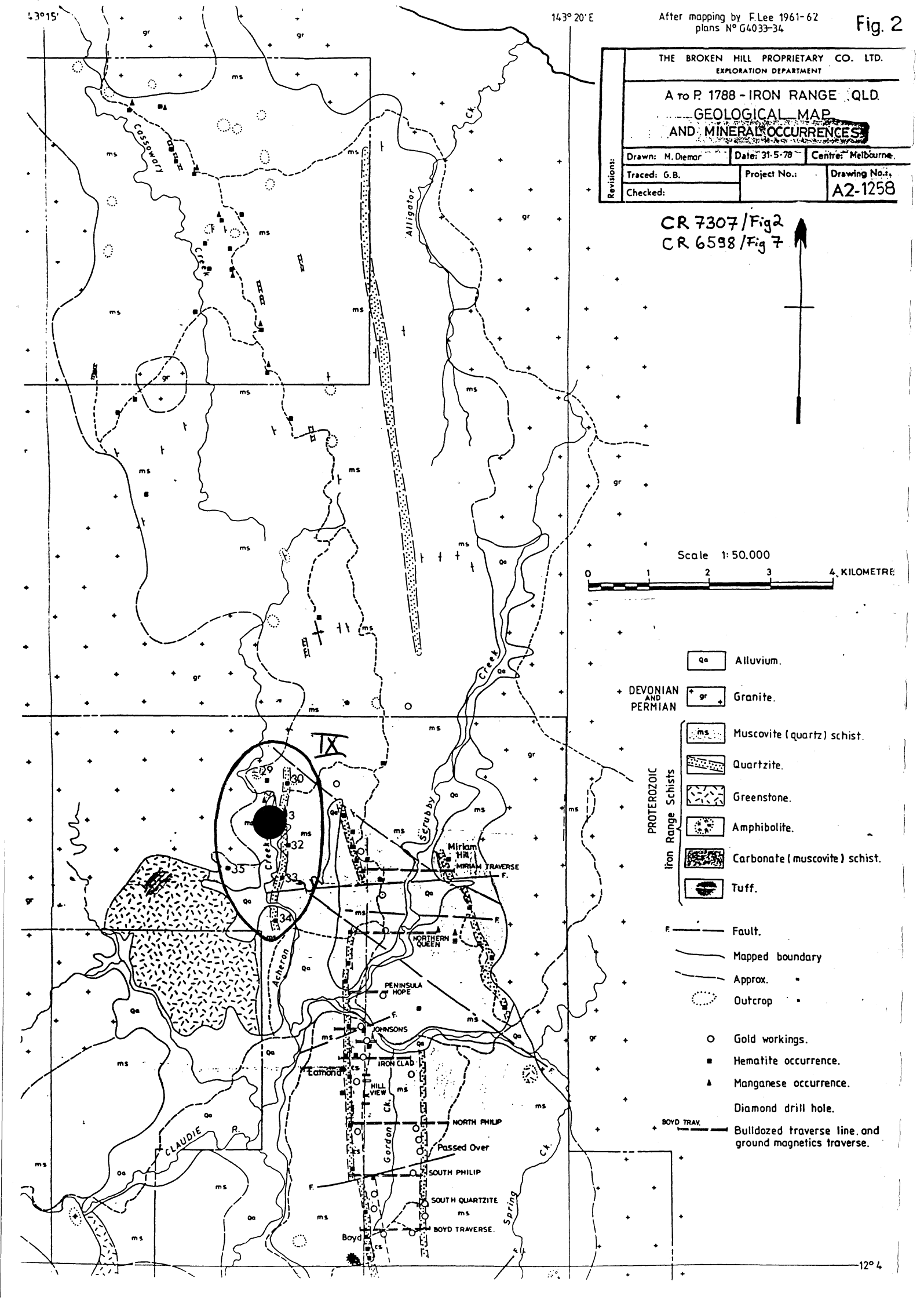
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #DDLocalities from the geological map, Fig.7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);


143° 20' E
After mapping by F.Lee 1961-62
plans N° G4033-34
Fig. 2
THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT
A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP
AND MINERAL OCCURRENCES
Drawn: M. Diemar
Date: 31-5-78
Centre: Melbourne.
Traced: G.B.
Project No.:
Drawing No.:
A2-1258
Checked:
Revisions:
CR 7307/Fig2
CR 6598/Fig 7
Scale 1: 50.000
0 1 2 3 4 KILOMETRE
Qa Alluvium.
DEVONIAN AND PERMIAN
gr Granite.
PROTEROZOIC Iron Range Schists
ms Muscovite (quartz) schist.
Quartzite.
Greenstone.
Amphibolite.
Carbonate (muscovite) schist.
Tuff.
F. Fault.
Mapped boundary
Approx.
Outcrop
Gold workings.
Hematite occurrence.
Manganese occurrence.
Diamond drill hole.
BOYD TRAV. Bulldozed traverse line, and ground magnetics traverse.
Cassowary Creek
Alligator Ck.
Scrubby Creek
Miriam Hill
MIRIAM TRAVERSE
NORTHERN QUEEN
Acheron Creek
PENINSULA HOPE
JOHNSONS
IRON CLAD
Lamond
HILL VIEW
Gordon Ck.
NORTH PHILIP
Passed Over
SOUTH PHILIP
SOUTH QUARTZITE
BOYD TRAVERSE.
Boyd
CLAUDIE R.
Spring Ck.
IX
29
30
3
32
35
33
34
12° 4

DATA SHEET 243

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:490967

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749000 mE, 8596700 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.5 km E of Tattam Hill (Group IX on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

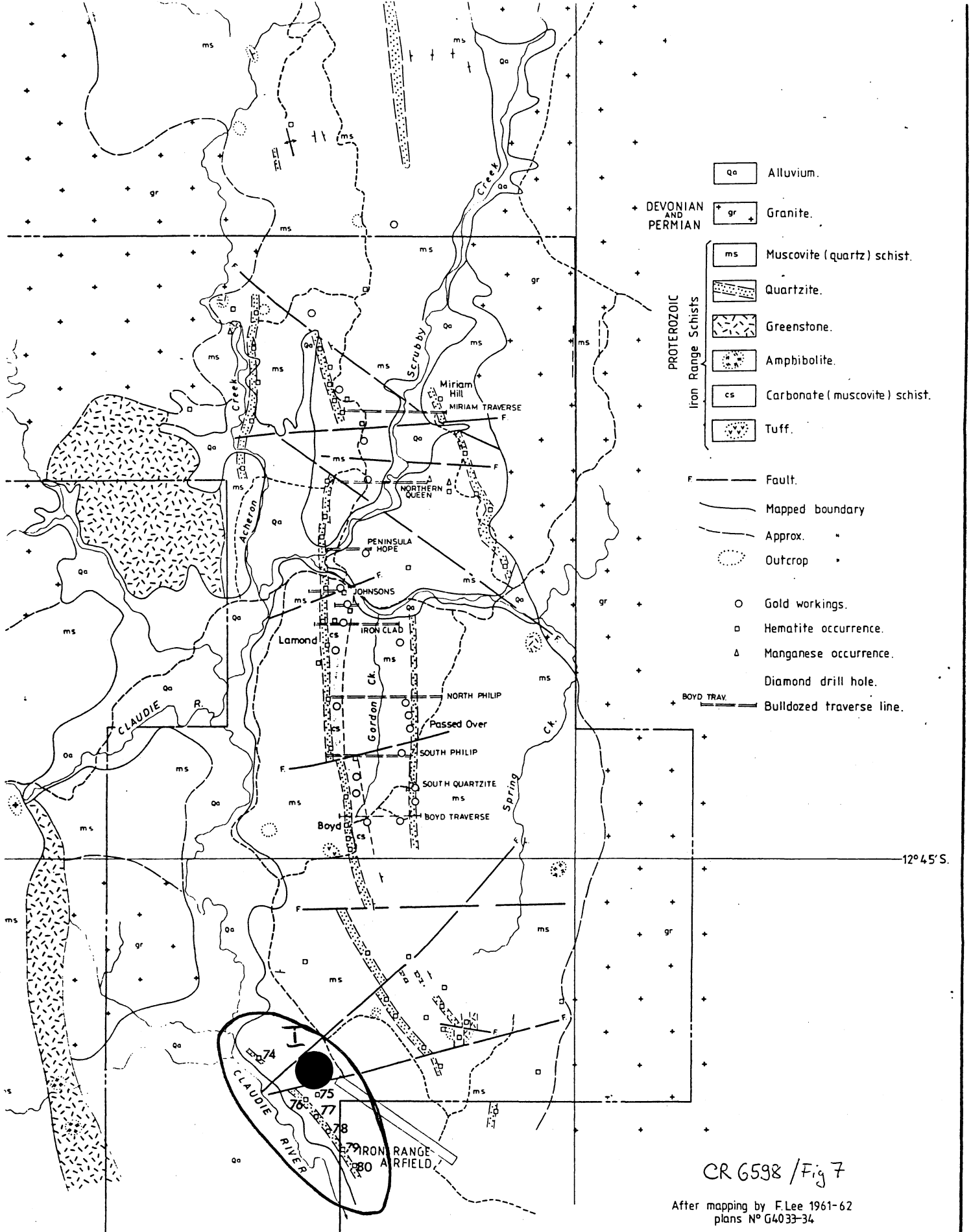
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (7) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 29. 748200/8597400; 30. 748400/8597400; 31. 748400/8597050; 32. 748400/8596500; 33. 748400/8596150; 34. 748300/8595050; 35. 747400/8596200;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



Scale 1:50.000

0 1 2 3 4 KILOMETRES

CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 244

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:491853

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749100 mE, 8585300 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.0 km W of Lockhart R. Airfie ld (Group I on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

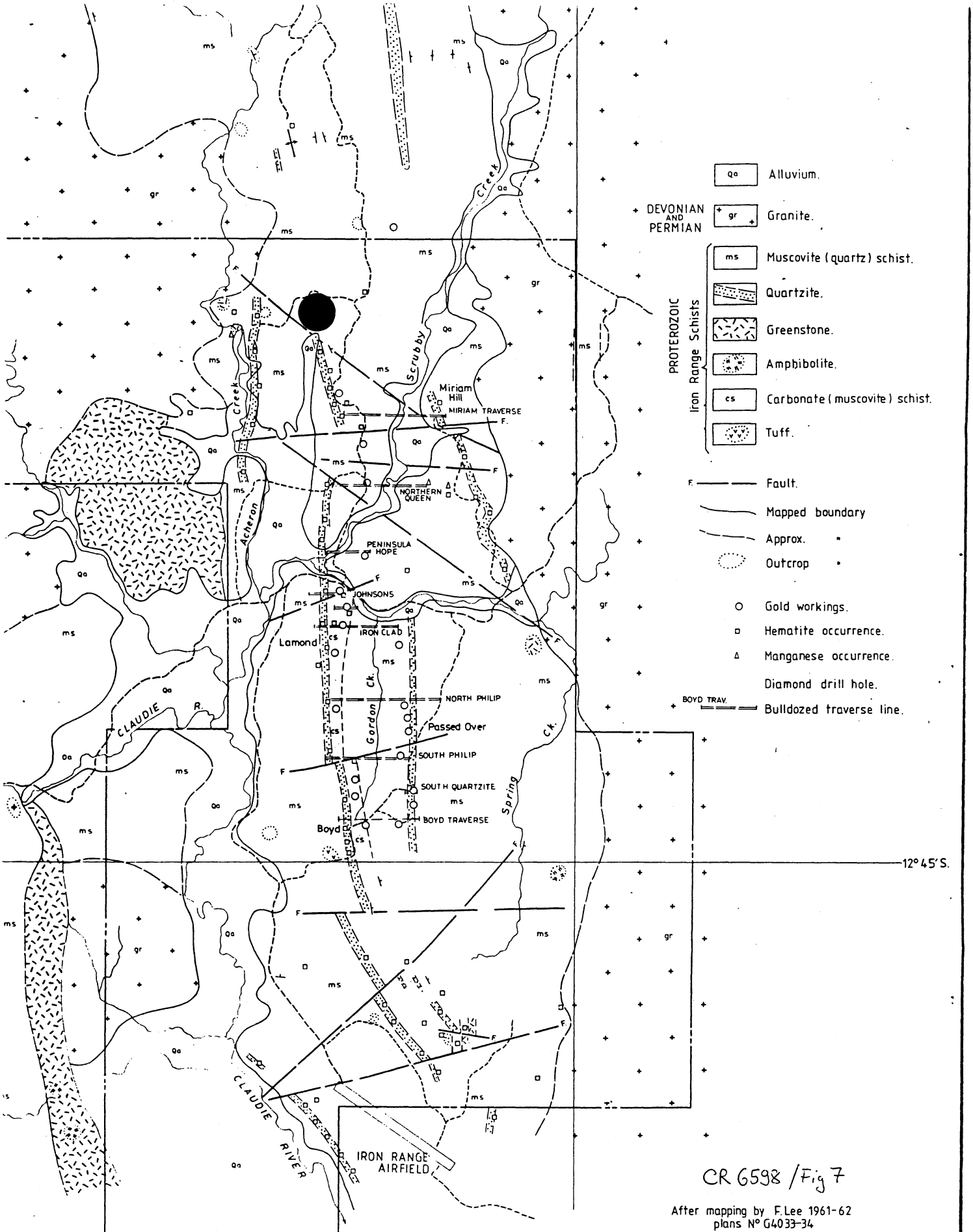
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (7) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 74. 748400/8586300; 75. 749300/8585200; 76. 749200/8585150; 77. 749300/858500; 78. 749400/8584900; 79. 749500/8584700; 80. 749600/8584500;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 245

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:492975

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749250 mE, 8597550 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.2km W Scrubby Creek (No.2 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

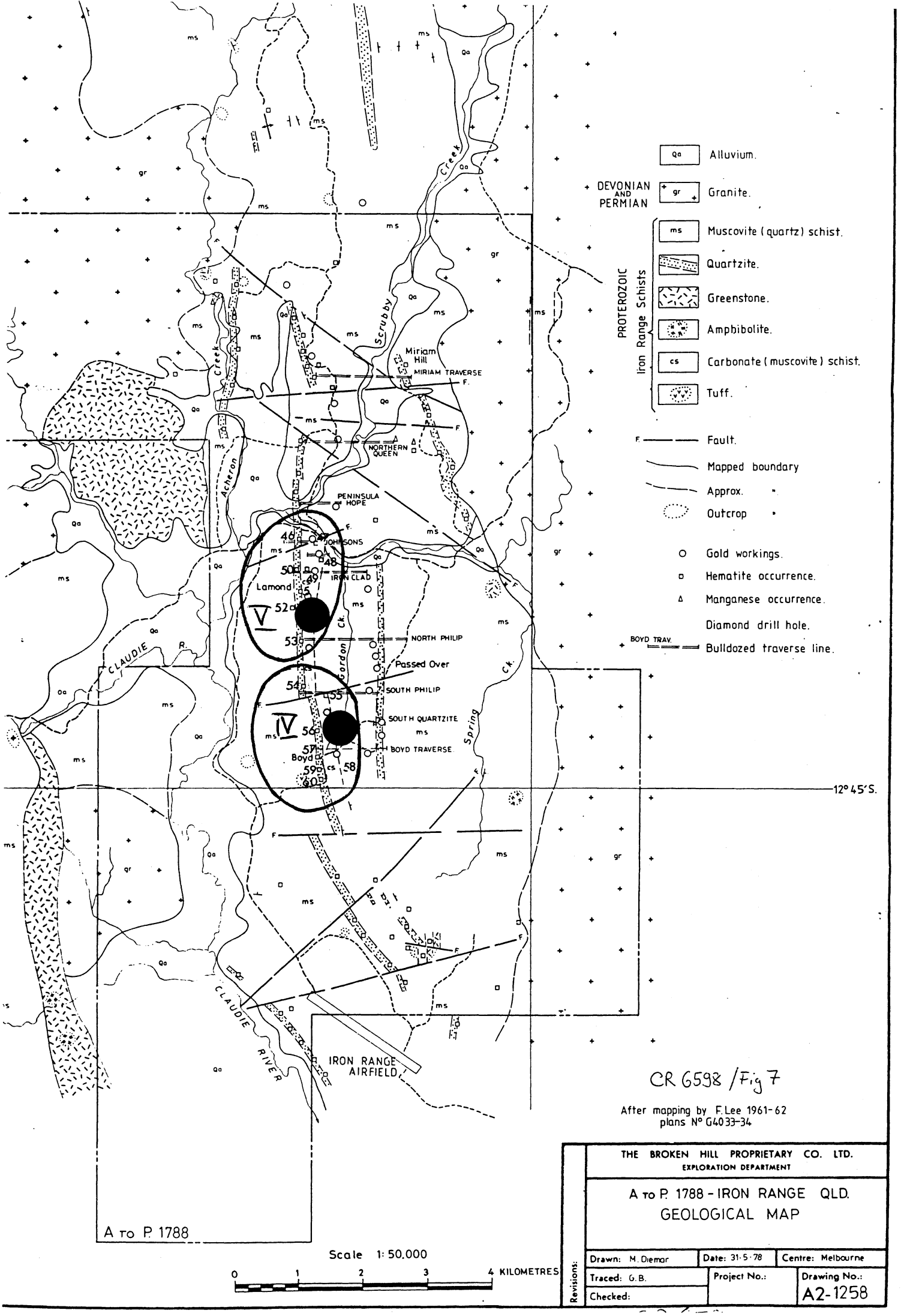
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 246

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Lammond Hill/Iron Clad) **REFERENCE NUMBER:494924**

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749400 mE, 8592400 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group V)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 0.5 km E of Lockhart R. Airfie ld (Group V on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

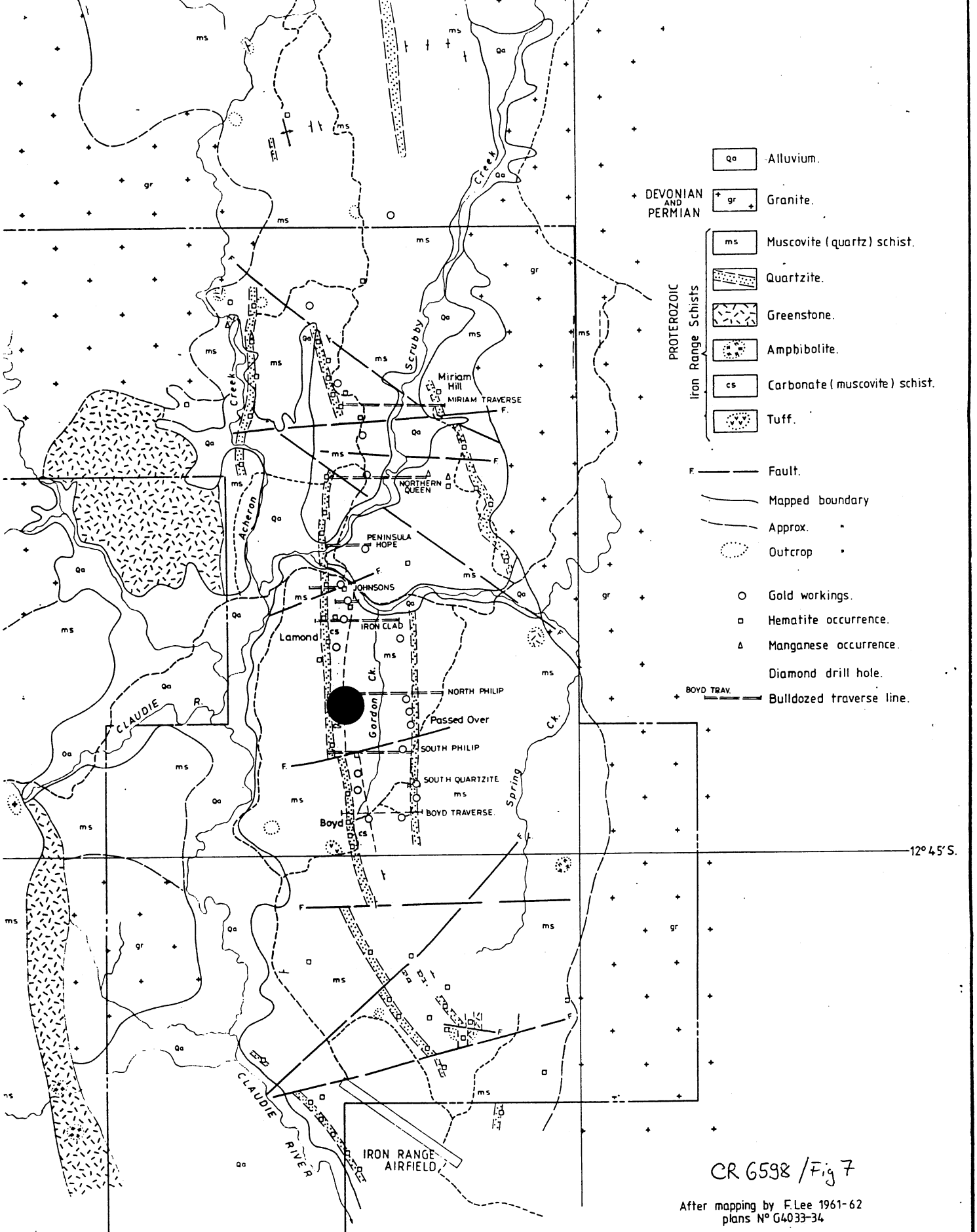
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:** Banded.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY. **ORE GRAIN SIZE..:** Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows several (8) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 46. 749750/8593400; 47. 749850/8593350; 48. 749900/8593100; 49. 749800/8592600; 50. 749750/8592600; 51. 749800/8592500; 52. 749700/8592300; 53. 749800/8591700;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 247

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:497916

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749750 mE, 8591600 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 0.8km NE of Phillip Hill (No. 12 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS), (CARB).

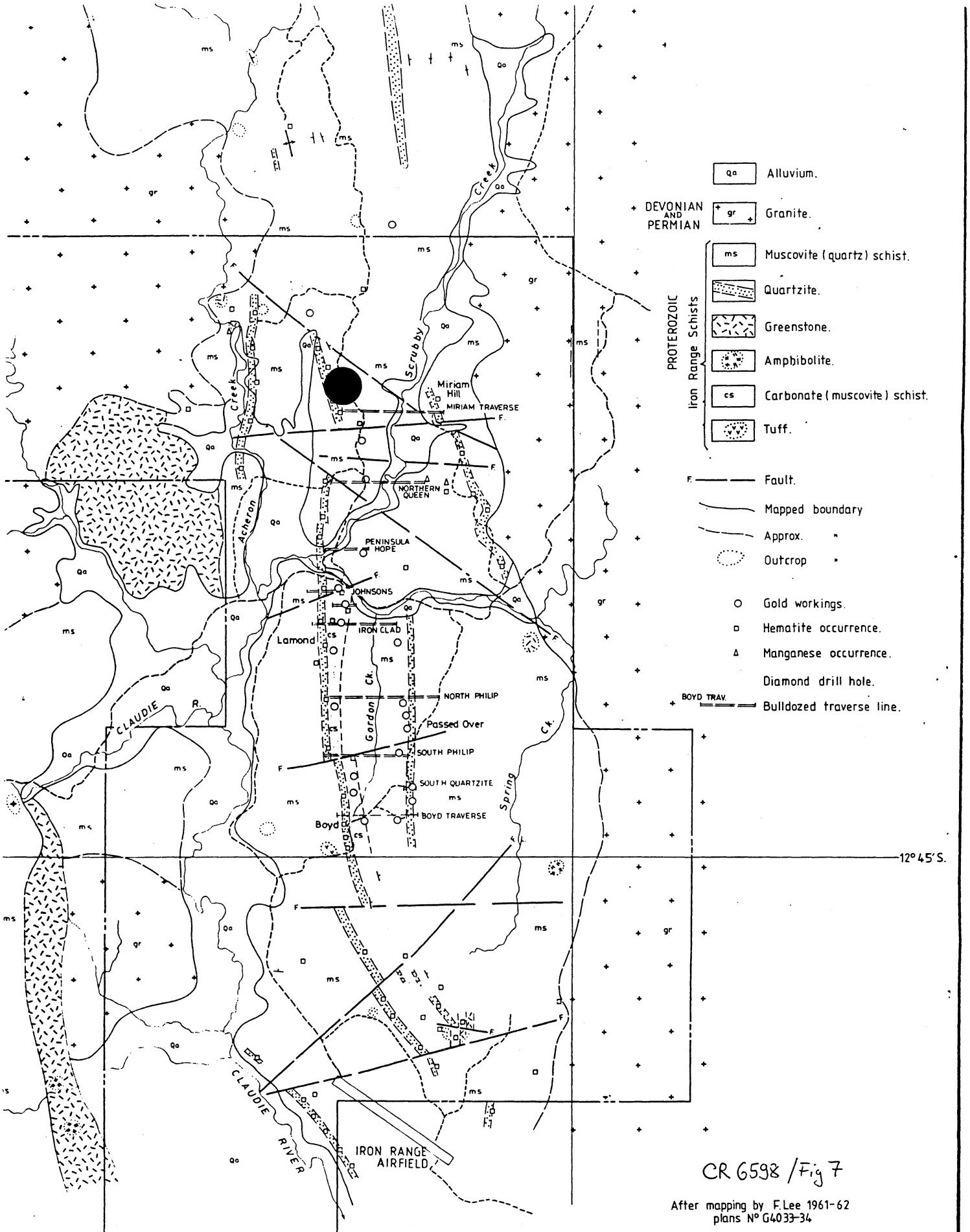
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 248

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 497963

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749700 mE, 8896350 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.4 km E of Tattam Hill (No. 3 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

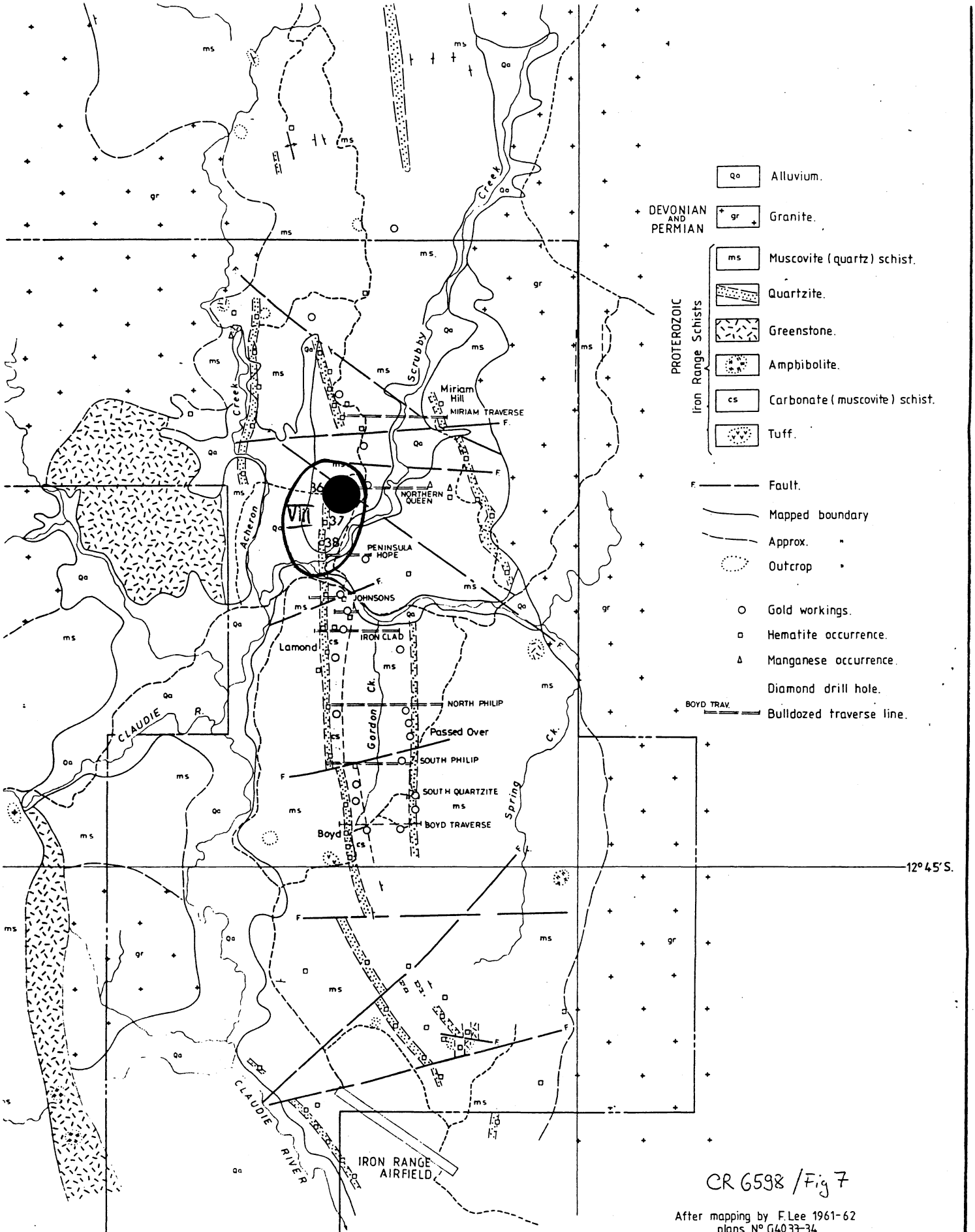
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1:50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 249

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:498947

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749800 mE, 8594700 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group VIII)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.8 km ESE of Tattam Hill (Group VIII on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group VIII)/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

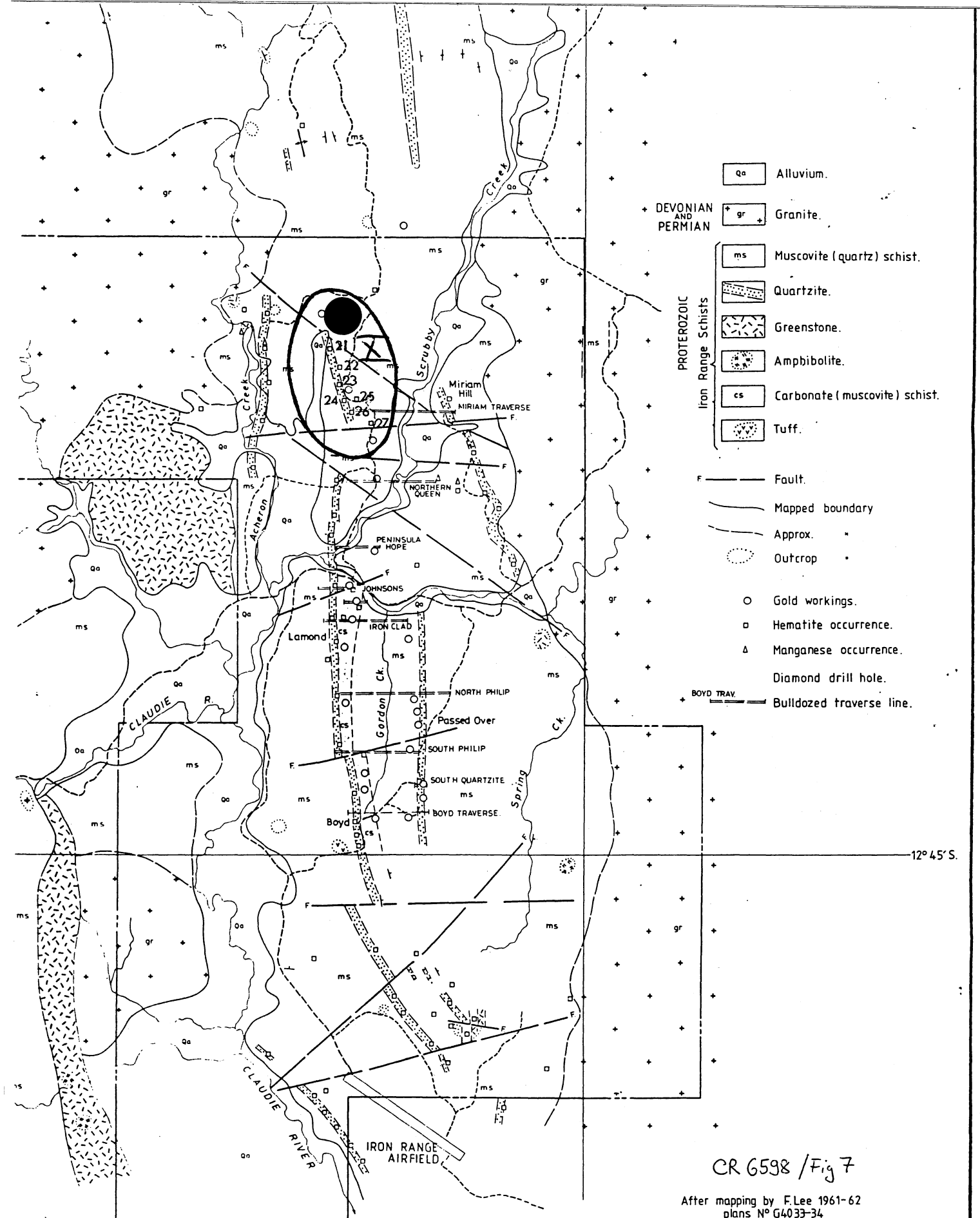
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (3) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 36. 749800/8594950; 37. 749800/8594700; 38. 749750/8594450;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

A to P. 1788

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 250

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:498961

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749800 mE, 8596100 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group X)/ 100 m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.8 km ENE of Tattam Hill (Group X on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group X) / 100 m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

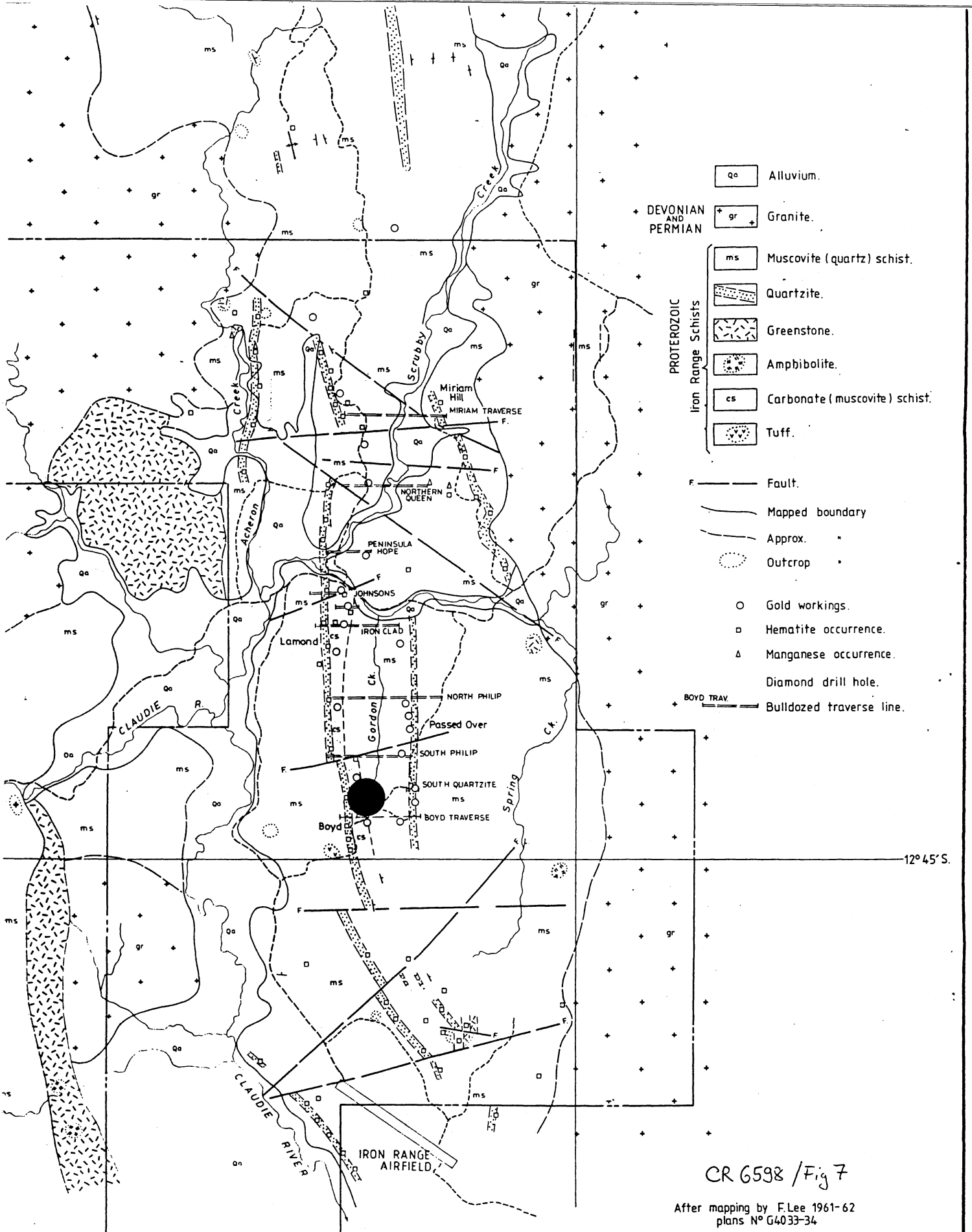
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (8) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 21. 749600/8596800; 22. 749650/8596700; 23. 749650/8596500; 24. 749700/8596300; 25. 749800/8596300; 26. 749750/8596200; 27. 749900/8595800; 28. 750200/8598100;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne	
Traced: G. B.	Project No.:	Drawing No.: A2-1258	
Checked:			

Revisions:

DATA SHEET 251

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Golden Gate?)

REFERENCE NUMBER:499903

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749900 mE, 8590350 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.2km SE of Phillip Hill (No.18 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q, (CARB).

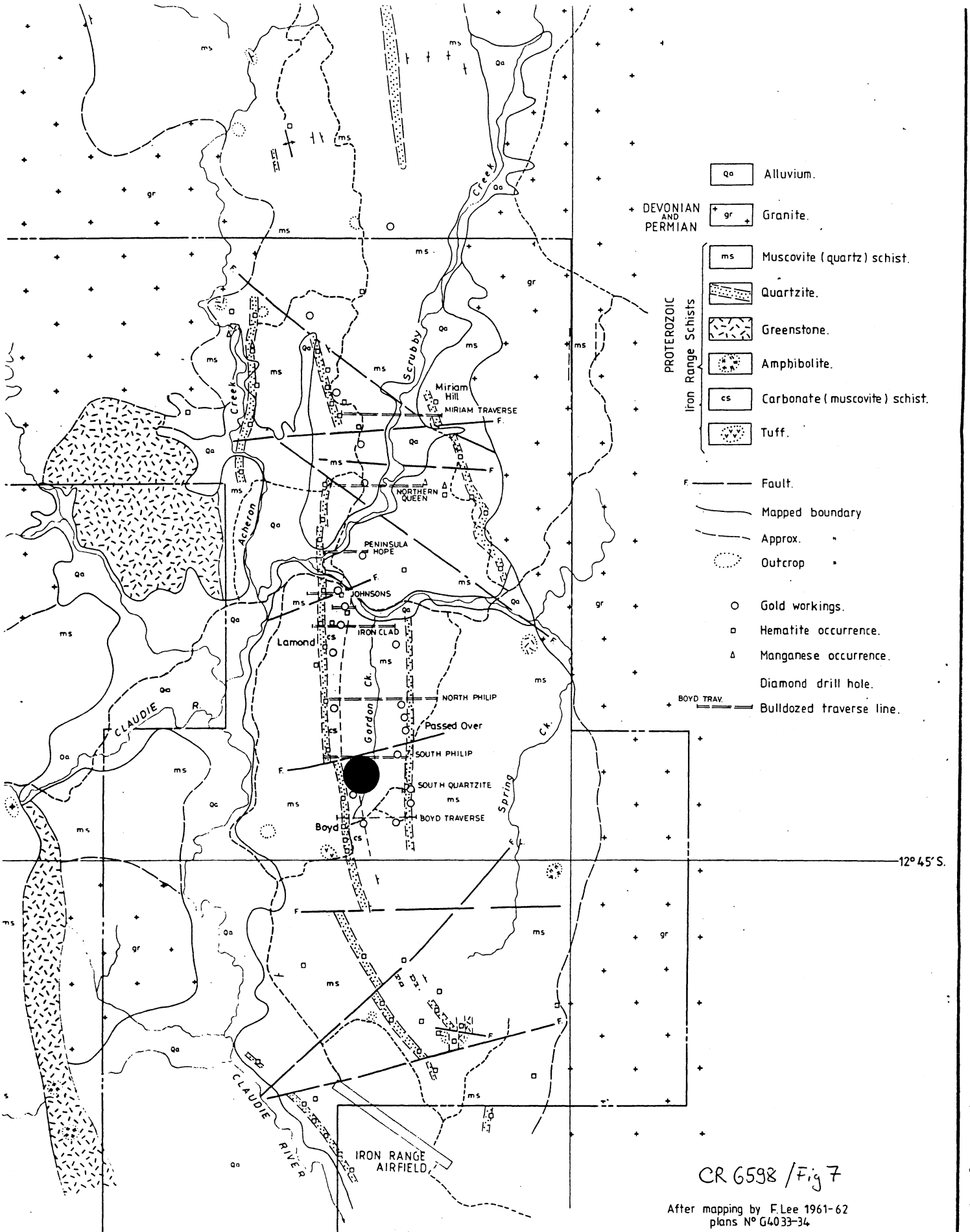
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne	
Traced: G.B.	Project No.:	Drawing No.: A2-1258	
Checked:			

Revisions:

DATA SHEET 252

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 499906

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749900 mE, 8590650 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.0km SE of Phillip Hill (No. 17 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Carbonate muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... : Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q, (CARB).

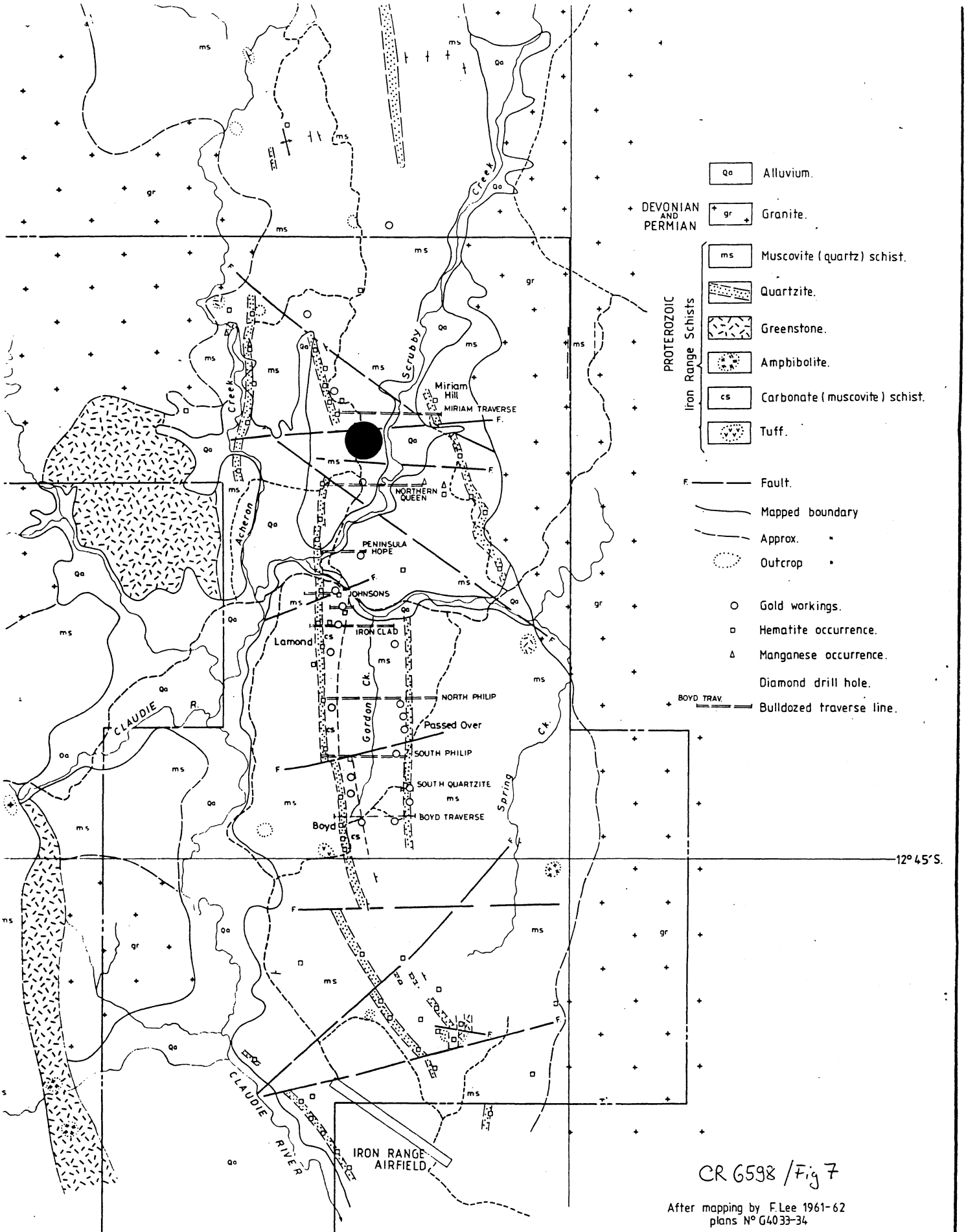
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 253

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:499955**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 749900 mE, 8595500 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.7km ESE of Tattam Hill (No. 4 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

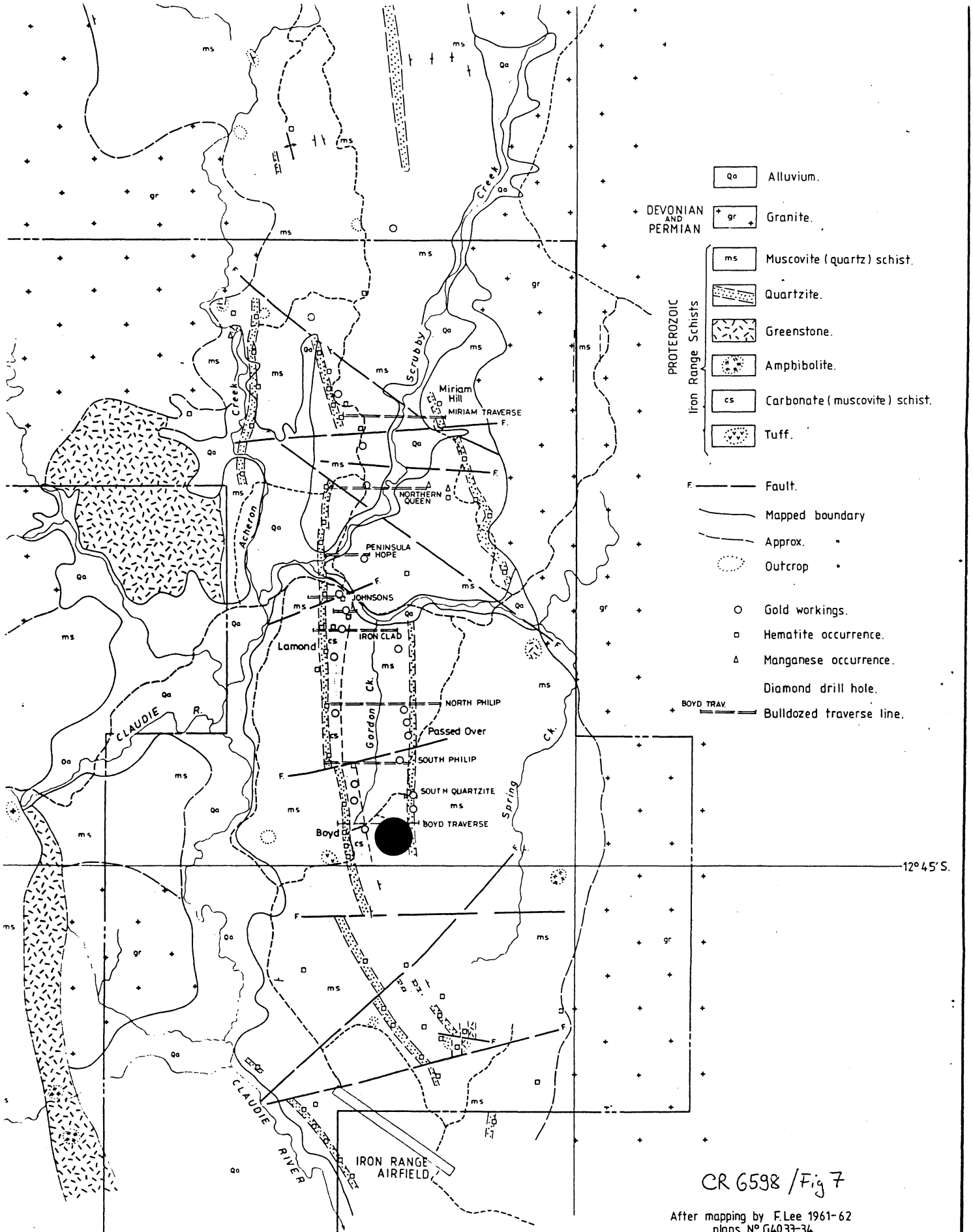
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1:50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 254

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET -

NAME(S).....: _Unnamed

REFERENCE NUMBER: 507900

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750700 mE, 8590000 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.0km SE of Phillip Hill (No.2 2 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

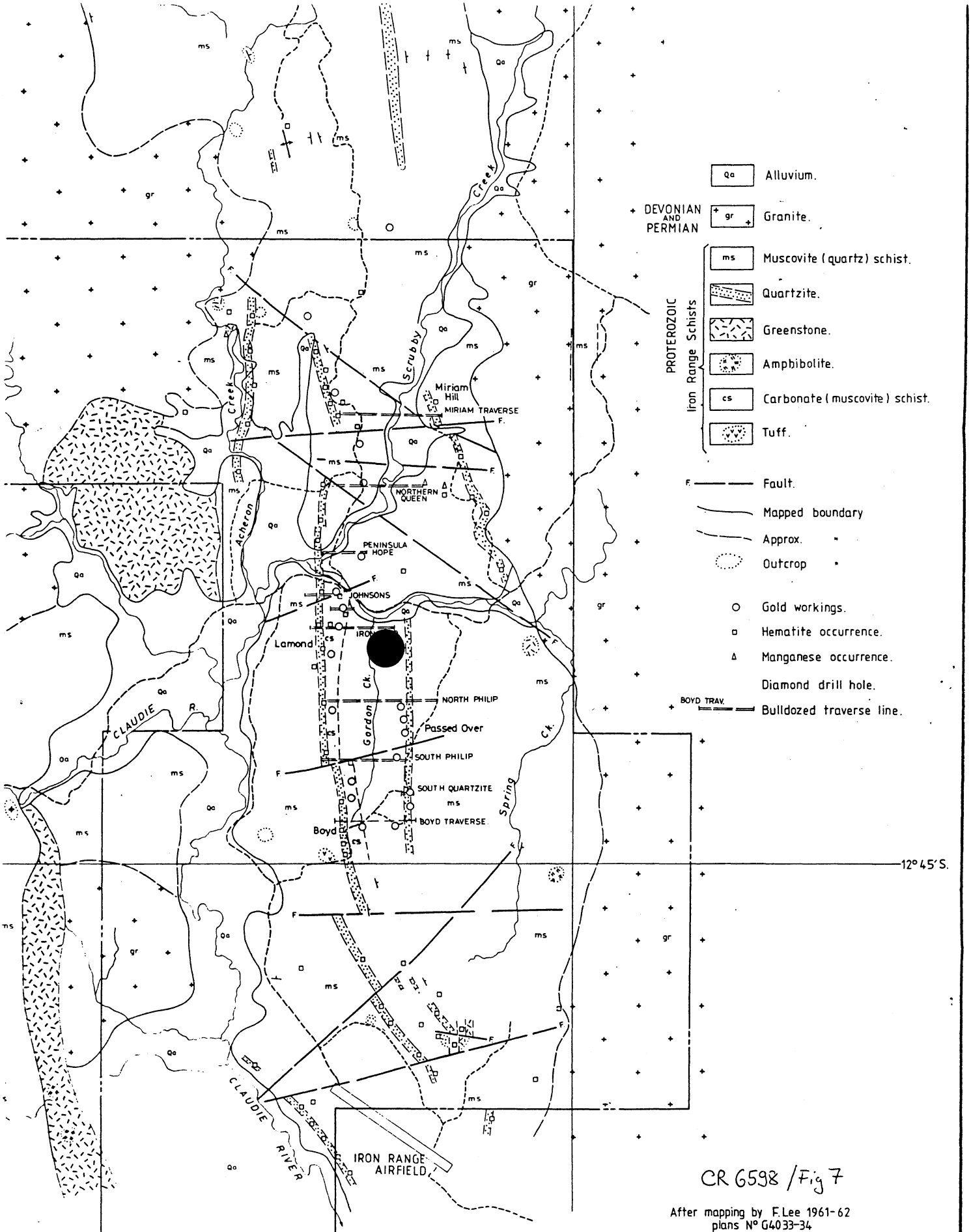
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 255

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 507925

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750700 mE, 8592550 mN.
AMG SOURCE/ACCURACY: CR 6598//Fig.7/ 100m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.8 km E of Lammond Hill (No.1 1 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

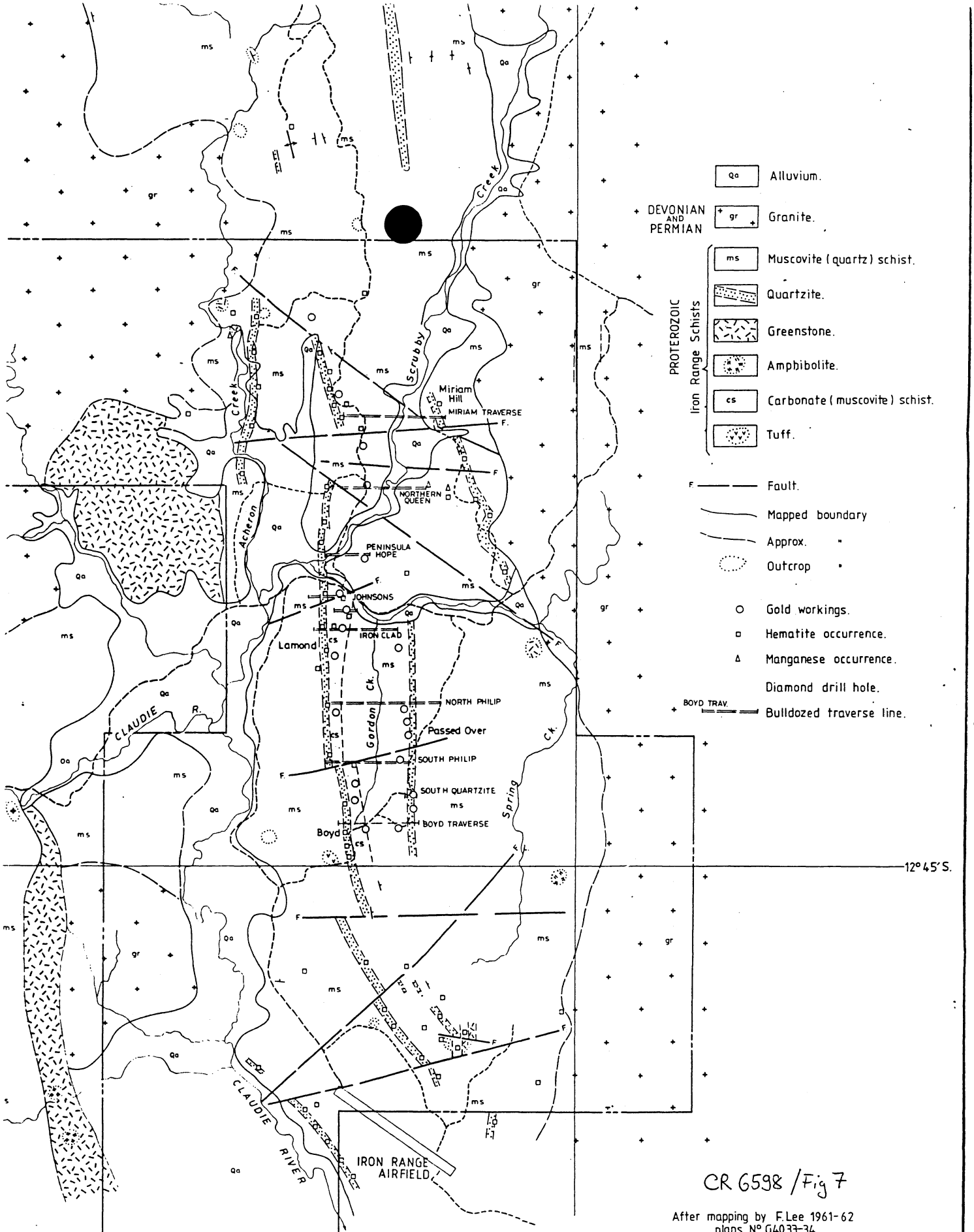
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F. #DDA very uncertain locality mark is also shown on the soil sample map of the CRA CR 4778 (X); no further information (4).

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);
CRA EXPLORATION PTY LTD(1974, QDRI unpublished company report CR 4778);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 256

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 507988

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750700 mE, 8598800 mN.
AMG SOURCE/ACCURACY: CR 6598/Fig.7/100m

MINING TENURE.....:

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 700m W Scrubby Creek/4.1km WSW of Ogilnie Hill(1. on CR map)
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite/magnetite quarzite and carbonate schists
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

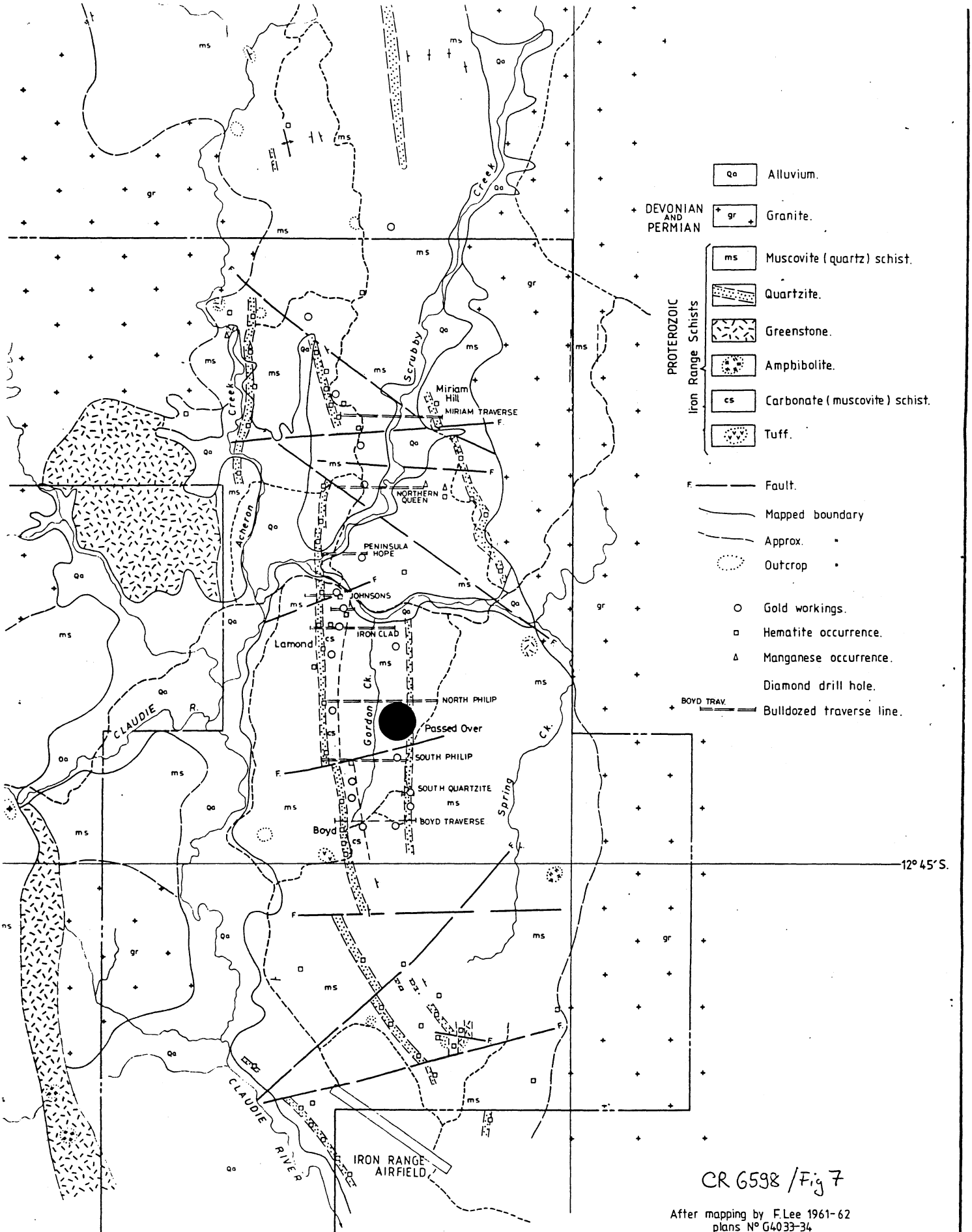
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 257

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Passed Over 1) **REFERENCE NUMBER:508915**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750850 mE, 8591500 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.9 km ENE of Phillip Hill (No .14 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite quartzite schist.
HOST ROCK AGE : Precambrian
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

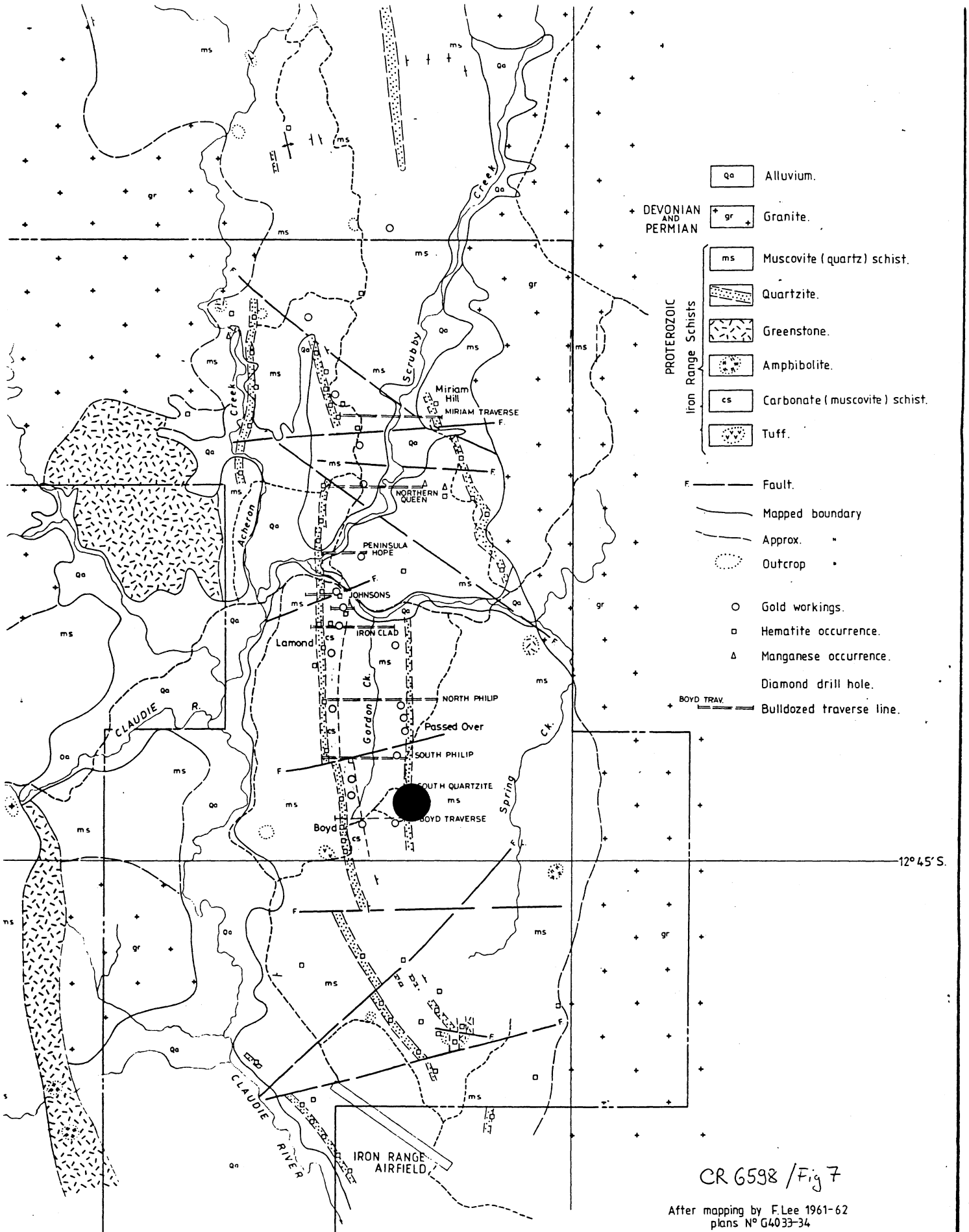
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 258

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:509901

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 750900 mE, 8590150 mN.
AMG SOURCE/ACCURACY: CR 6598/ Iron Range Geol. Map 1:50000/Fig.7/ 100m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.1km SE of Phillip Hill (No. 21 on CR map).
LOCALITY ACC.: CR 6598/Geol. Map,Fig.7//CR 7307/ Fig.2/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Cu,Au,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Muskovite schist.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... : Fault.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM,MT,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

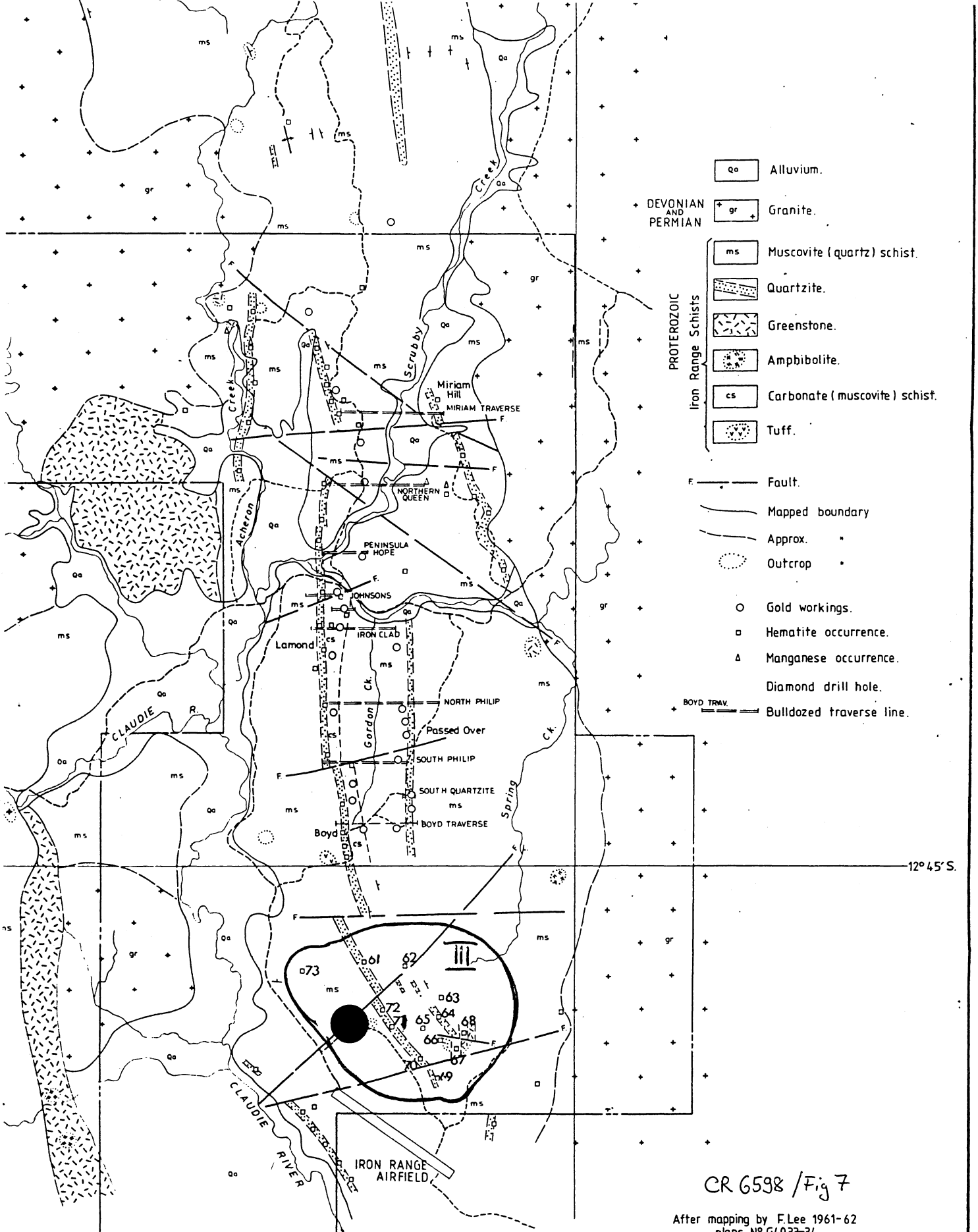
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..:

ORE GENESIS: In the general area gold mineralisation is stratabound within one sequence of specular hematite schist, laminated specular hematite/quarzite and carbonate schist; Oxid or carb. iron formation. Q. veins w.Au.

REMARKS....: #MSVery seldom quartz veins with free gold in fractures (1). The bedding is mostly well preserved in quarzite bands. B.I.F.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1:50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 259

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 510867

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 751000 mE, 8586700 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 1.8 km NE of Lockhart R. Airfield (Group III on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

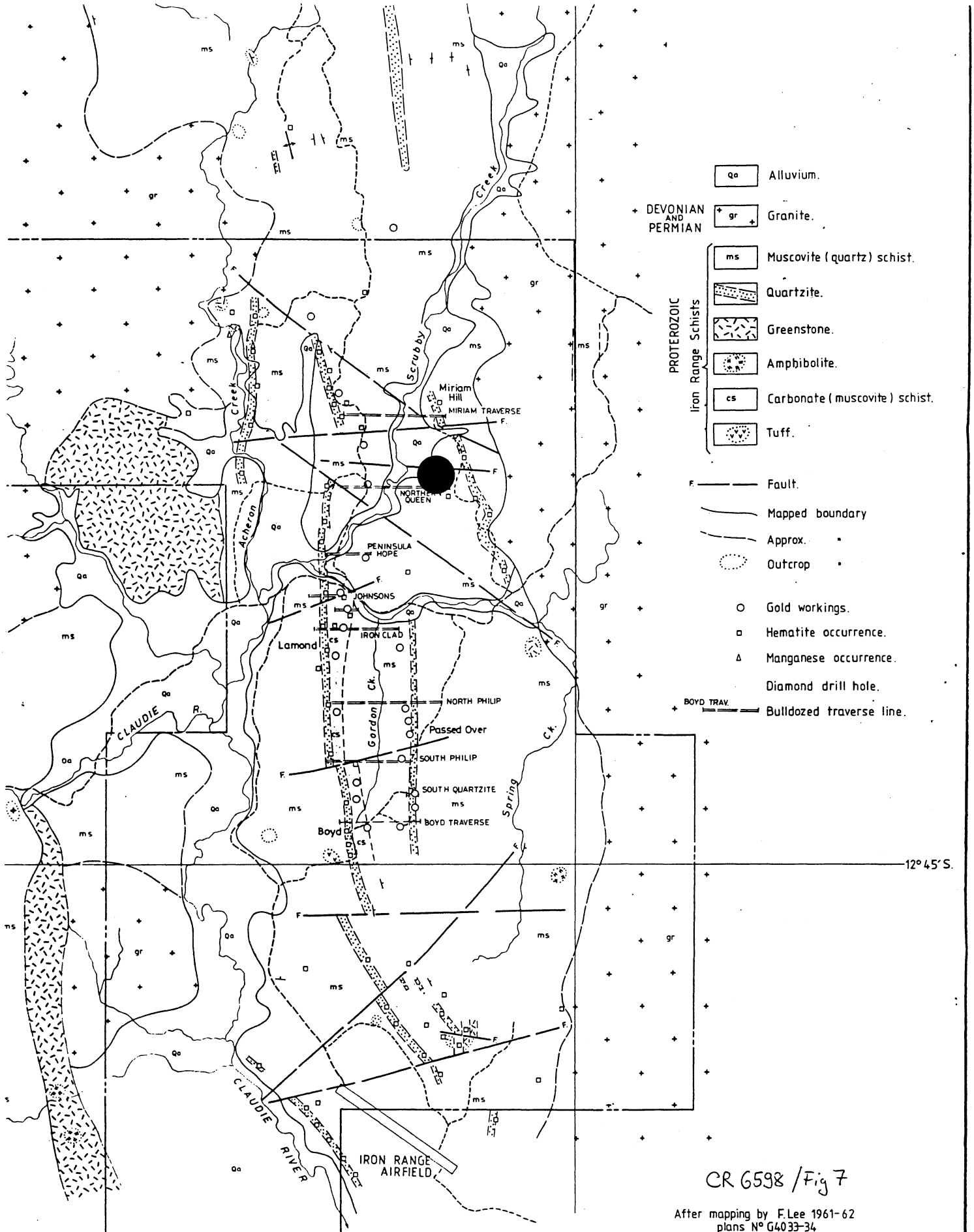
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (12+1) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 61. 750000/8588000; 62. 750400/8587700; 63. 750900/8587100; 64. 750900/8586950; 65. 750800/8586900; 66. 750900/8586600; 67. 751100/8586500; 68. 751200/8586750; 69. 750900/8586100; 70. 750800/8586400; 71. 750250/8586900; 72. 750200/8587000 #M1Another occurrence is located 2.0 km WNW of this Grid Ref.No. 73. 749600/8587800;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

Scale 1: 50.000

0 1 2 3 4 KILOMETRES

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 260

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:510949

COMMODITIES ....: MANGANESE,IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 751000 mE, 8594900 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7// CR 7307/ 10 0m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 3.2 km NE of Lammond Hill (No. 7 on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], B.I.F.;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Quarz (hematite) schists.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

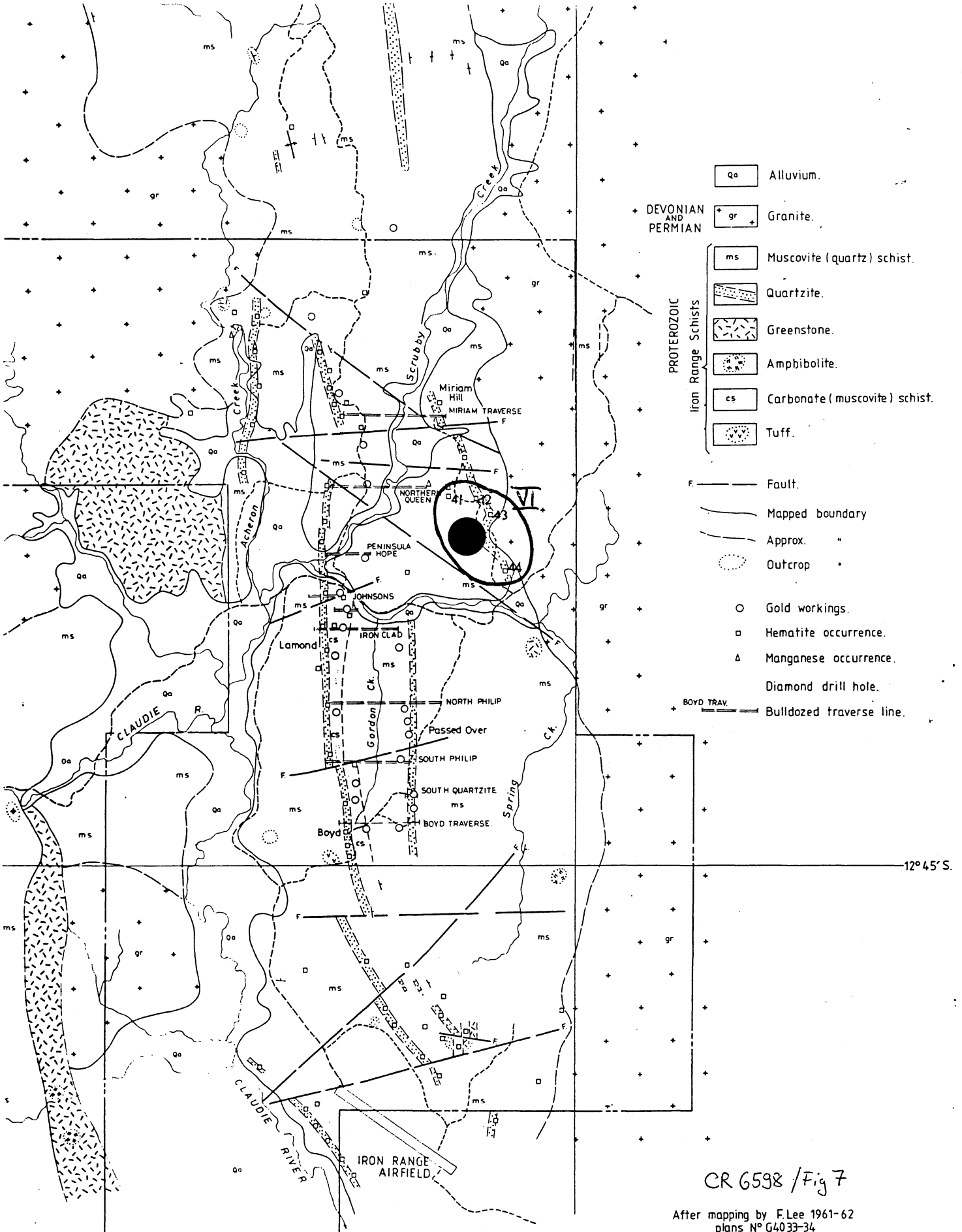
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. ORE TEXTURES....: Banded.
PRIMARY MINERALS : MN-ORES, HEM.
SECONDARY MINERALS:
GANGUE .....: Q. ORE GRAIN SIZE..:

ORE GENESIS: Hematite quartz schist from surface iron ore deposits; B.I.F.

REMARKS....: #DDLocalities from the geological map Fig 7 of CR 6598.

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A TO P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M. Diemar	Date: 31-5-78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 261

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 515939

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 751500 mE, 8593900 mN.
AMG SOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7(Group VI)/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 3.0km NE of Lammond Hill (Group VI on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7(Group VI)/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCHObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY.

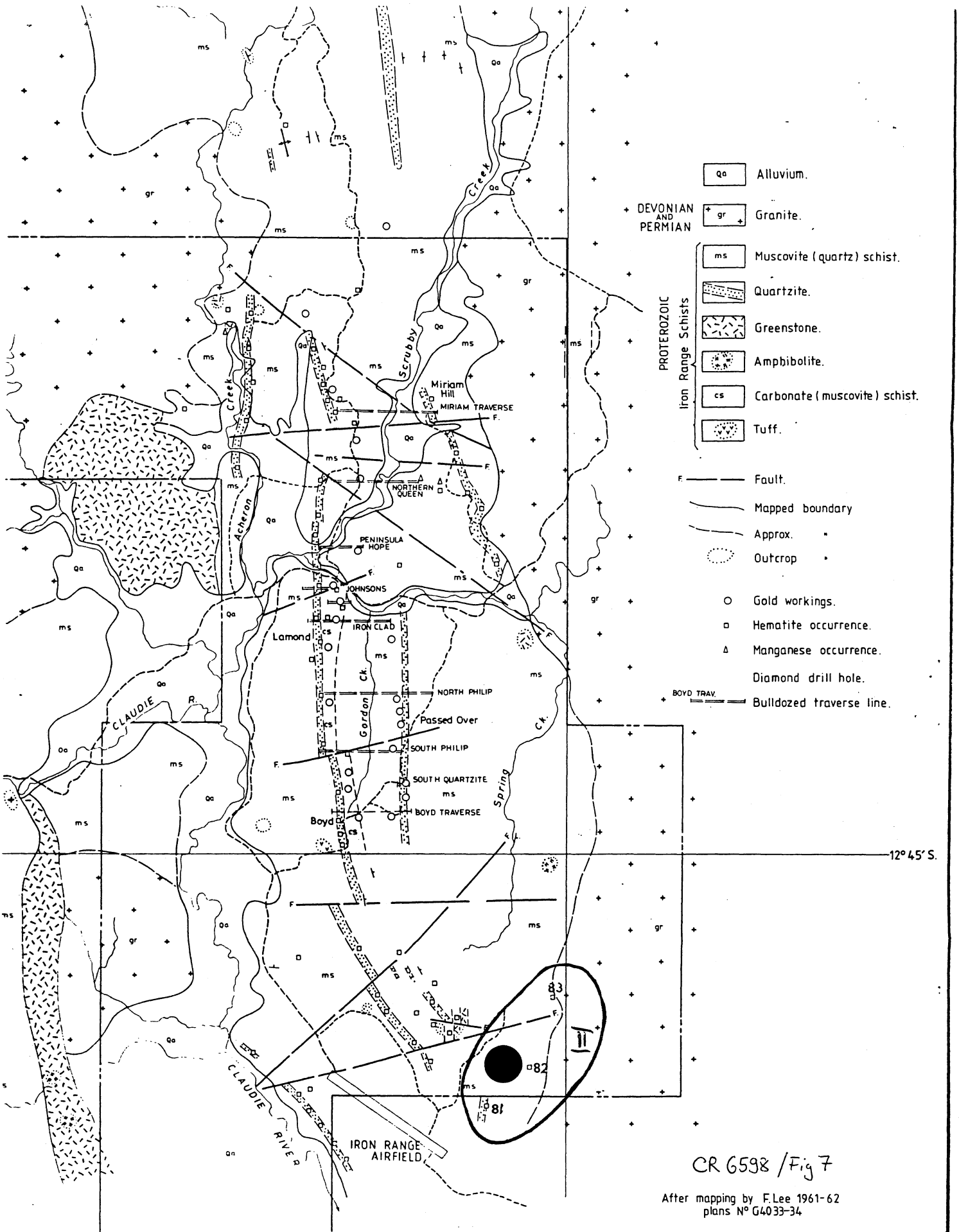
ORE TEXTURES....: Banded.

ORE GRAIN SIZE..: Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (4) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 41. 751100/8594850; 42. 751500/8594800; 43. 751600/8594600; 44. 751800/8594200; Another occurrance is located 1.3 km WSW of the Grid Ref.No. It actually belongs to a different orebody system: 45. 750800/8594150;

REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);



CR 6598 / Fig 7

After mapping by F. Lee 1961-62
plans N° G4033-34

THE BROKEN HILL PROPRIETARY CO. LTD.
EXPLORATION DEPARTMENT

A to P. 1788 - IRON RANGE QLD.
GEOLOGICAL MAP

Drawn: M Diemar	Date: 31·5·78	Centre: Melbourne
Traced: G.B.	Project No.:	Drawing No.: A2-1258
Checked:		

Revisions:

DATA SHEET 262

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER: 522855

COMMODITIES ....: IRON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 13/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 752200 mE, 8585500 mN.
AMGSOURCE/ACCURACY: CR 6598/ Geol. Map, Fig. 7/ 100 m

1:250 000.....: CAPE WEYMOUTH SD54-04
1:100 000.....: CAPE WEYMOUTH 7572
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: IRON RANGE
LOCALITY.....: 2.0 km E of Lockhart R. Airfie
ld (Group II on CR map).
LOCALITY ACC.: CR 6598/ Geol. Map Fig.7/ 100 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: BROKEN HILL PTY LTD; AP 1788M; 1978; BCNObdlq, 6, [Au,Cu,Pb,Zn], BIF;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: SEFTON METAMORPHICS
HOST ROCK TYPE: Hematite quartz schists.
HOST ROCK AGE : Precambrian MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Stratabound.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:** Banded.
PRIMARY MINERALS : HEM, (MT).
SECONDARY MINERALS:
GANGUE .....: CHDY. **ORE GRAIN SIZE..:** Fine-Medium

ORE GENESIS: Hematite quartztose schists from surface iron ore deposits (B.I.F.).

REMARKS....: #M1Localities from the geological map, Fig.7 of CR 6598. Locality shows serveral (3) occurrences in a group circle around 1,2 Kilometers diameter. Locality point represents centre of group circle. #DDGrid references of the single occurrences: 81. 752000/8585100; 82. 752400/8585500; 83. 753000/8586950;

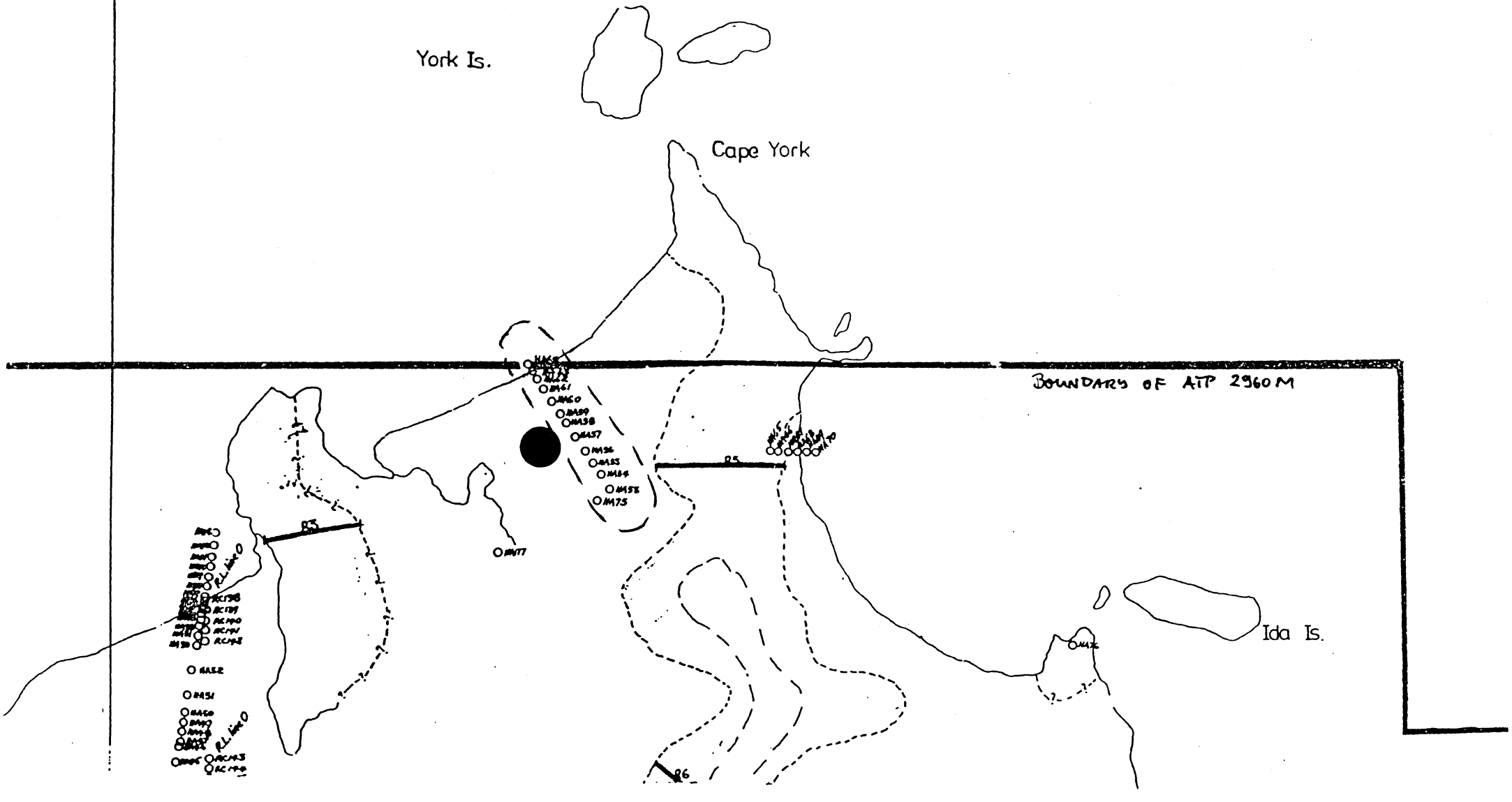
REFERENCES.: BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6598);BROKEN HILL PTY LTD(1979, QDRI unpublished company report CR 7307);BROKEN HILL PTY LTD(1978, QDRI unpublished company report CR 6961);

THE TIP

142°30'

HALEKKA PTY LTD
GPO Box 353
BRISBANE, QLD, 4001

AP 2960M
CR 10601



DATA SHEET 263

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:667169

COMMODITIES ....: TIN,ZIRCON,RUTILE
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 30/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 666700 mE, 8816900 mN.
AMG SOURCE/ACCURACY: CR 10601/ 100m

1:250 000.....: CAPE YORK SC54-12
1:100 000.....: CAPE YORK 7476
MINING DISTRICT :
MINING FIELD....:

GENERAL AREA.: N end Cape York
LOCALITY.....: SW of Point of Cape York

LOCALITY ACC.: CR 10601/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:HALEKKA PTY LTD; AP 2960M; 1981; Cabcełkq,3, alluvial deposit;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Sand, shelly and quartzose.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, ZR,RUT
SECONDARY MINERALS:
GANGUE .....: Q

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Alluvial deposit

REMARKS....: #M1Highest values of auger drilling traverse at this point,no economic importance. Generally very low values of tin encountered in shallow alluvials over AP 2960M. Measureable amounts of tin in drill holes HA 059 (59.2gm/m3 for 0-3m) and HA 060.(188gm/m3 for 1-2m) and HA 061 (852gm/m3 for 2-3m) All these values are 70%SnO2. These are maxima!

REFERENCES.: HALEKKA PTY LTD(1981, QDRI unpublished company report CR 10601);HALEKKA PTY LTD(1981, QDRI unpublished company report CR 9667);

EVANS, H.J. (1975)

BAUXITE—WEIPA, Q. 961

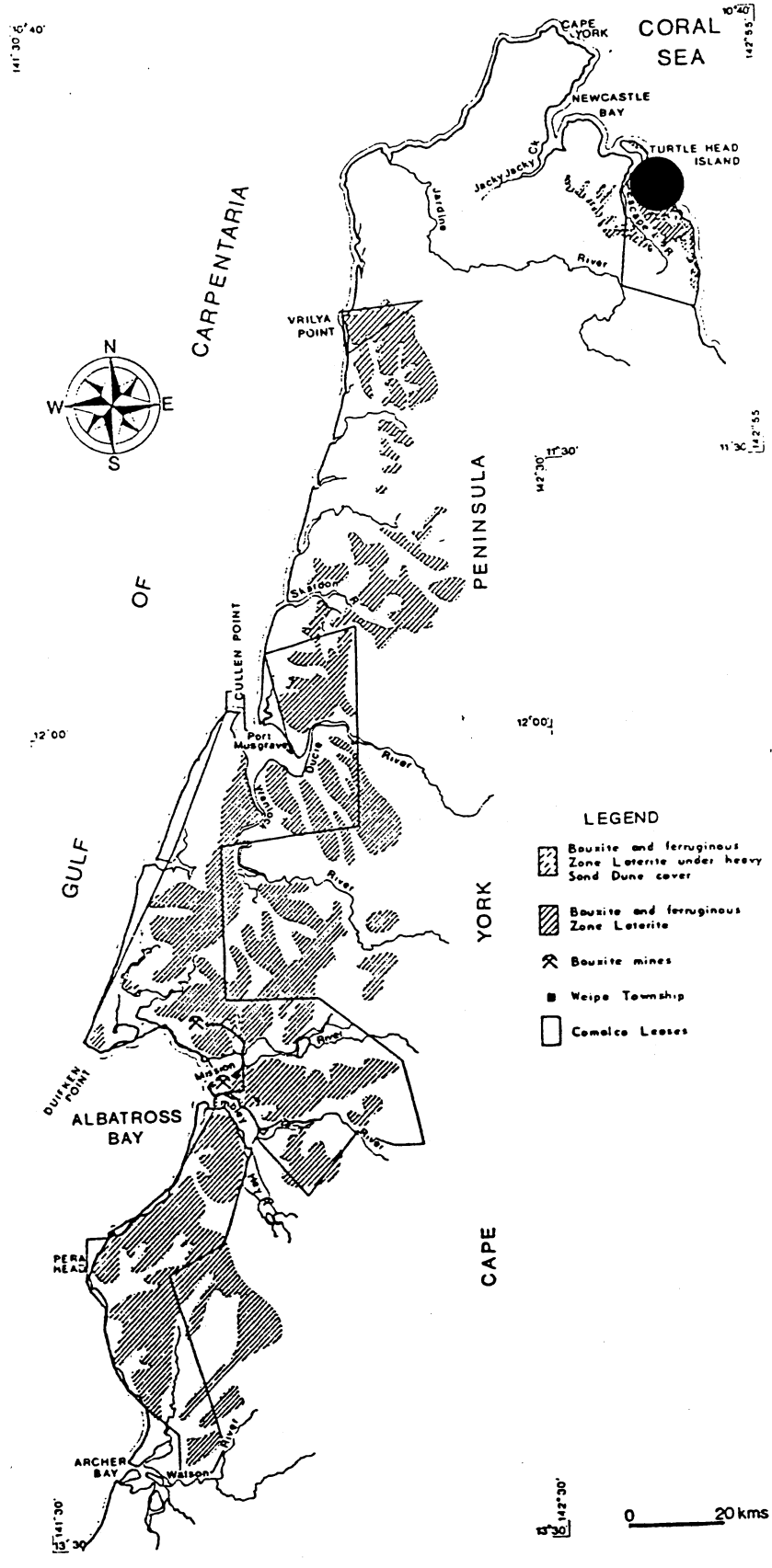


FIG. 2—Geological map Cape York Peninsula Queensland.

DATA SHEET 264

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:880850**

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 07/06/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 688000 mE, 8785000 mN.
AMG SOURCE/ACCURACY: REFERENCES 1: Plan/ 300m

1:250 000.....: CAPE YORK SC54-12
1:100 000.....: CAPE YORK 7476
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: CAPE YORK/ N of Turtle Island
LOCALITY.....: 6km NE of disused landing grou nd E of Escape River inlet.
LOCALITY ACC.: REFERENCES 1: Plan/ 300m

MINING TENURE.....: SBML-1

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:COMALCO

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....:
HOST ROCK TYPE: ferricrete and ironstone gravel
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX
GANGUE .....: Q

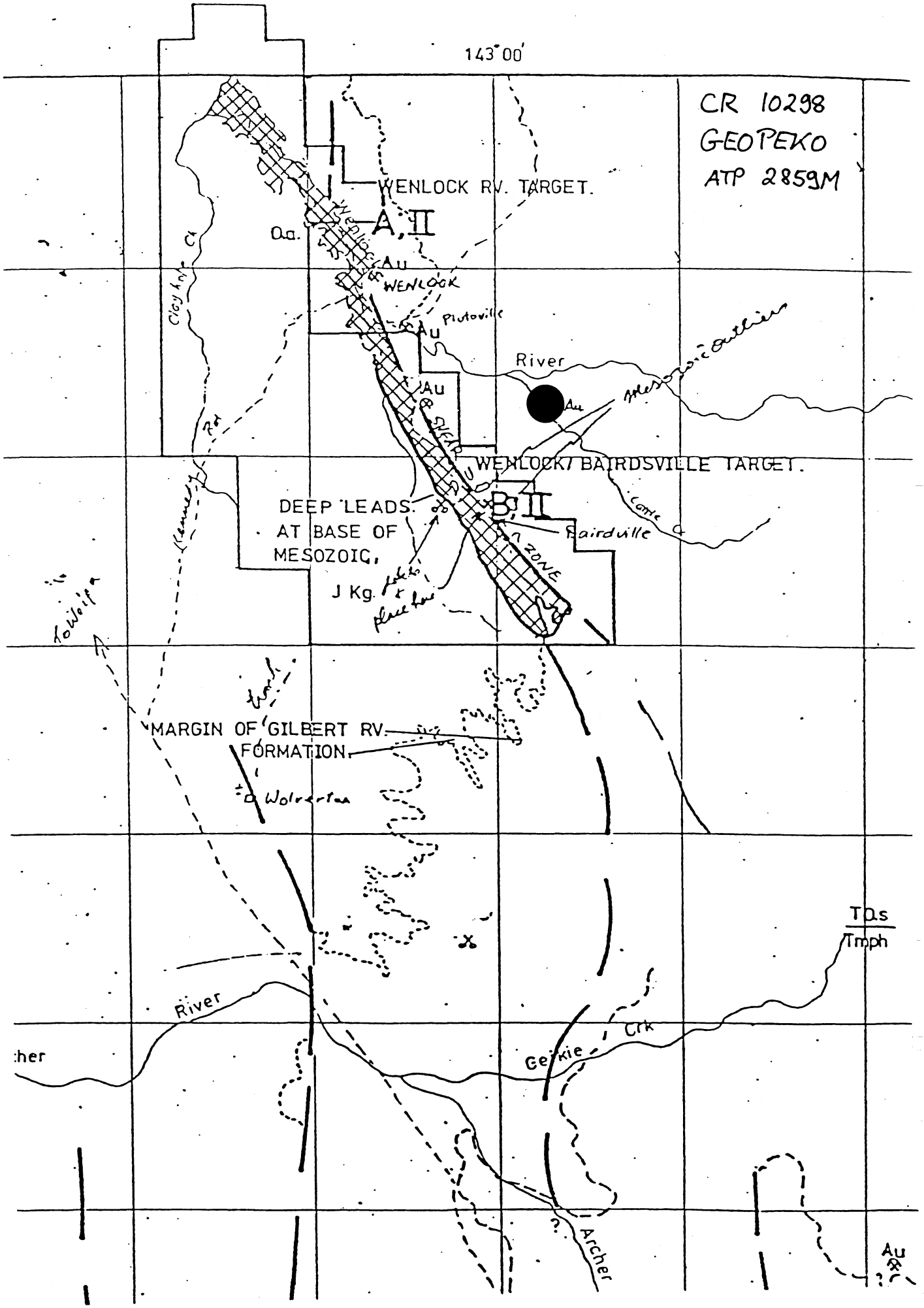
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDOne small residual of BX occurs on the E-side of the Peninsula E of Escape River.

REFERENCES.: Evans, H.J(1975);


143°00'
CR 10298
GEOPEKO
ATP 2859M
WENLOCK RV. TARGET.
A, II
Qa.
Au
WENLOCK
Pivotville
River
WENLOCK/ BAIRDSVILLE TARGET.
B, II
Bairdville
DEEP LEADS
AT BASE OF
MESOZOIC,
J Kg.
MARGIN OF GILBERT RV.
FORMATION
Wolverton
Tqs
Tmph
River
Geikie
Crk
Archer
?

DATA SHEET 265

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 358040

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 735800 mE, 8504000 mN.
AMG SOURCE/ACCURACY: CR`10298/ 200 m

1:250 000.....: COEN SD54-08
1:100 000.....: COEN 7570
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N BLUE MOUNTAINS
LOCALITY.....: 3.1km W of Point 313/ 4.3 km E of Point 415
LOCALITY ACC.: CR 10298/ 200 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GEOPEKO; AP 2859; 1981; ECTabdy, 1, [Au,Ag,Cu,Pb,Zn,W,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....:

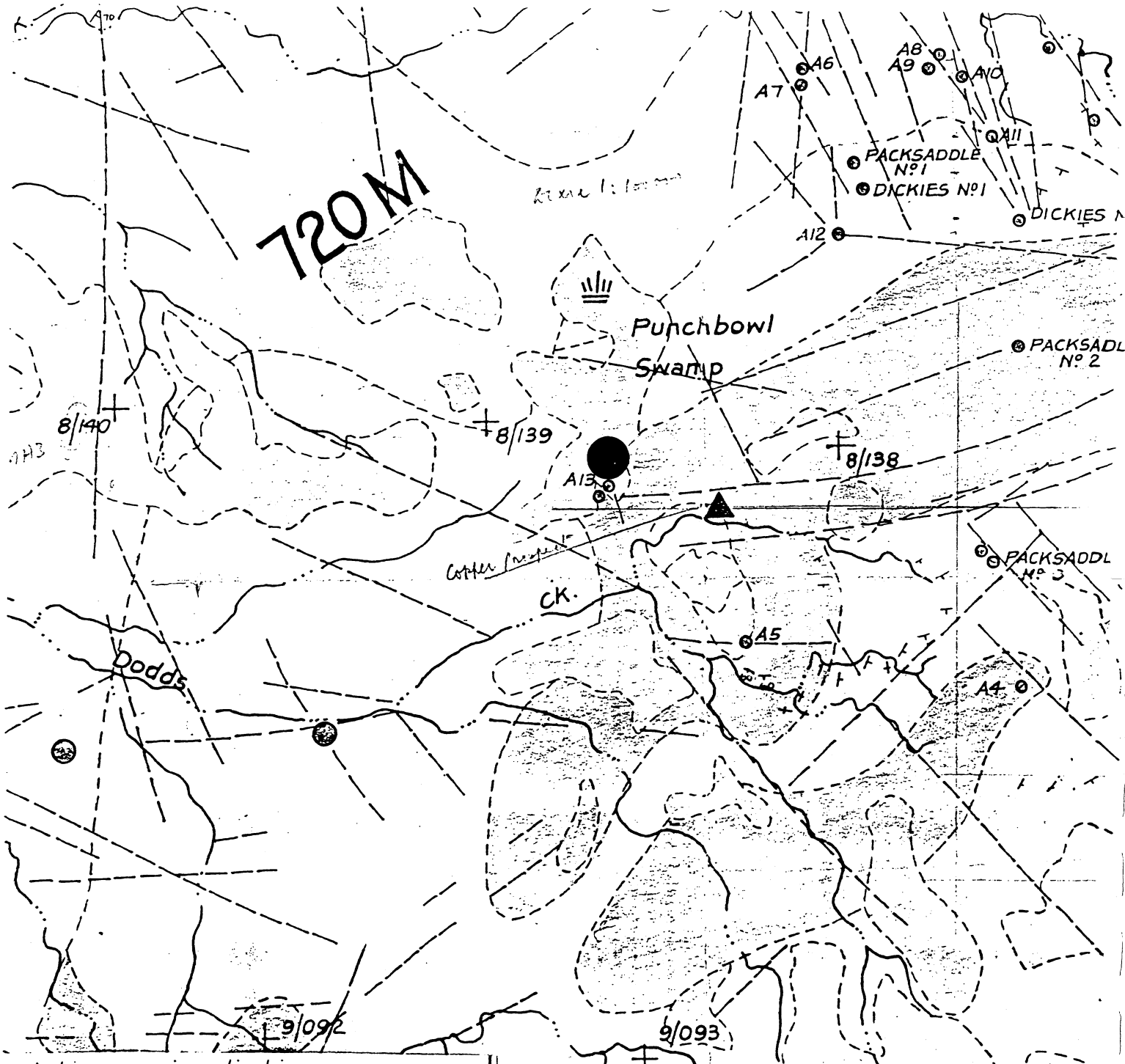
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDWorkings only mentioned on CR 10298 map!

REFERENCES.: GEOPEKO(1981, QDRI unpublished company report CR 9074);GEOPEKO(1981, QDRI unpublished company report CR 10298);



Antimony mineralization

(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720M

Revised 4-2-71 CR 3538.

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D. BEARD	D.G.R.	1 : 48000	18-8-70	119

DATA SHEET 266

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:669853

COMMODITIES ....: COPPER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 05/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 766900 mE, 8285300 mN.
AMG SOURCE/ACCURACY: CR 3539/Plan 119/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: DIXIE 7567
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S GREAT DIVIDING RANGE
LOCALITY.....: 7.8km S of Killarney Hst.

LOCALITY ACC.: CR 3539/Plan 119/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Granite, adamellite, saatellite stocks.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....:

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

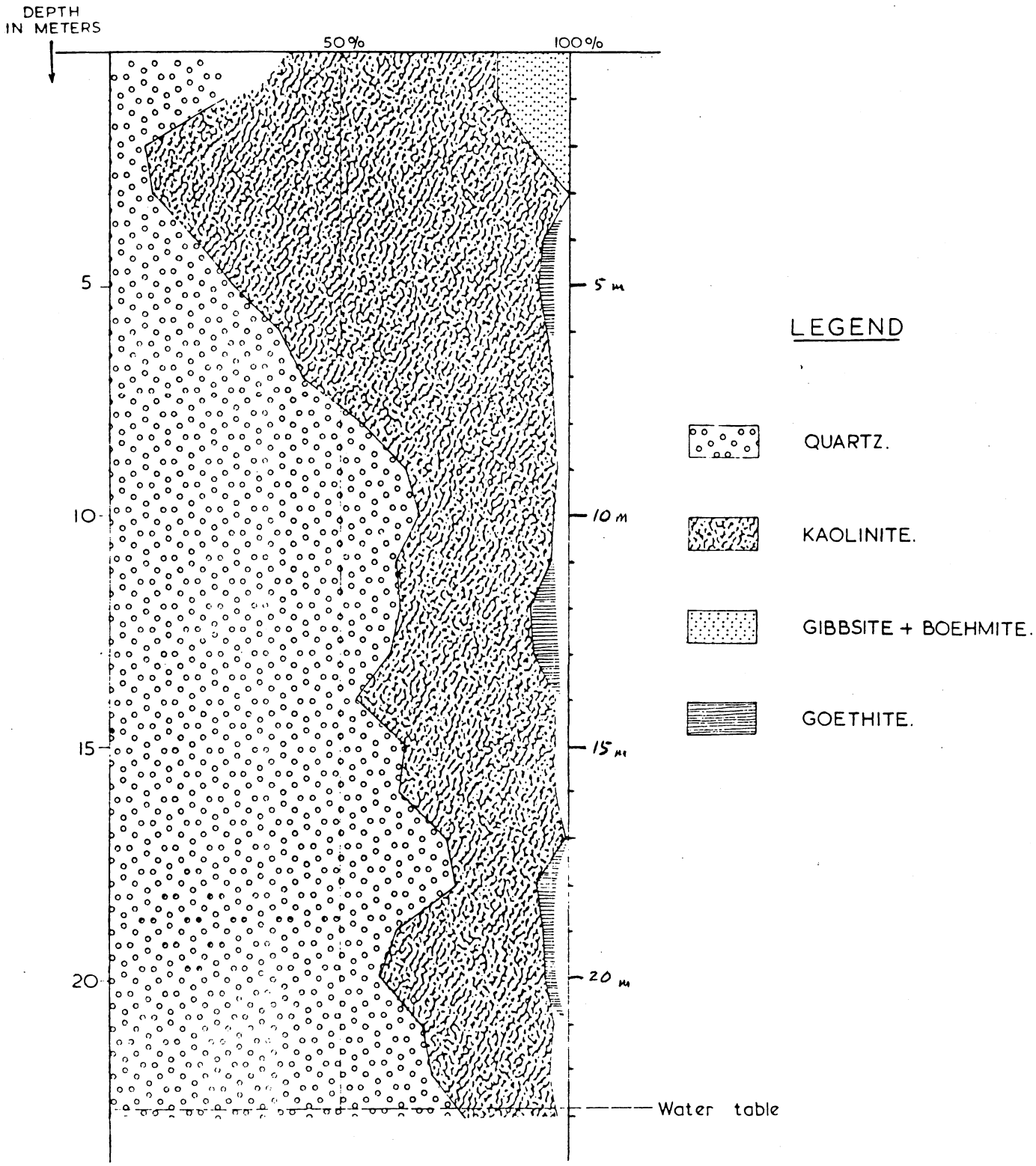
REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);

MERAPAH HOLE No 37

MINERALOGICAL ANALYSIS
(Infrared spectrophotometry)

CR 4220



DATA SHEET 267

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:438504

COMMODITIES ....: KAOLIN
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 643800 mE, 8450400 mN.
AMG SOURCE/ACCURACY: CR 4220/"Drilled hole locations" plan/ 300m

1:250 000.....: HOLROYD SD54-11
1:100 000.....: KENDALL RIVER 7369
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: N Upper Kendall River
LOCALITY.....:

LOCALITY ACC.: CR 4220/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:PACMINEX PTY LTD; AP 926M; 1971; CJOUfq, ferruginous laterite weathering profile.

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: ferruginous laterite/ argillaceous sandstone
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: KAO, GOET,GBS, BHM
GANGUE .....: CLAY MINERALS,Q

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: weathering profile.

REMARKS....: #MSDrill hole No.37 drilled on thickest parts of the carapace. according to petrographical analysis, the host rock is an argillaceous sandstone assaying an av. 70% Q and 25% KAO. The superficial alteration distinctlly effects the first 3m, formed of between 79-80% KAO withseveral % of aluminium oxide and 4-5% ferric oxide, not revealed by infra red photography. The clay decreases below 4m again and reappears at about 9m with 20-25% grades. GOET contributes to cementation of nodules. in first few m it becomes dehydrated, probably in ferric oxide and the nodules break up.

REFERENCES.:

DATA SHEET 268

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 1 of 2) **REFERENCE NUMBER:192208A**

COMMODITIES ....: TIN
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 719200 mE, 8520800 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: 700 m E of Point 343

LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo],-; WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, 0, alluvial deposits; AUSTRALIA + NEWZEALAND EXPLORATION Co; AP 1933M; 1979; ABacdfg, 0,-;
TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: FALLOCH BEDS
HOST ROCK TYPE: conglomerates.
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST,(GA),(ZR),(MOLY),(W),(MONAZITE),(MT).
SECONDARY MINERALS:
GANGUE .....: Q, TOU.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Alluvial tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and up. tributaries of Granite Cr. MOLY, W fairly signif. in stream samples.

REMARKS....: #MSRelatively minor terracing in assoc. with the creek system. Number of scree and talus covered slopes offer considerable tonnages, but tin content in insufficient to support even a small recovery operation (2m overburden on lower slopes)(2).Mainly CST. On heavy min.: MT abundant, relatively minor: ZR, GA, MONZ (2). #DDAlluvial workings in the whole drainage system of Granite Creek (Tin Creek). Area of about 4-5 sq.km. #MNCST occurs in free state and as crystals in greisen in constant assoc. with granites. #CMPrim. tin min. assoc. with intrusion of WOLVERTON ADAMELLITES (no known lode occurrences). A possibility of disseminated intra-granite min. mentioned (3). Secondary (detrital) deposits show two major fluviatile aggradational cycles in the area.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216); AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);

NAME(S).....: _Unnamed (Page 2 of 2)

REFERENCE NUMBER:192208B

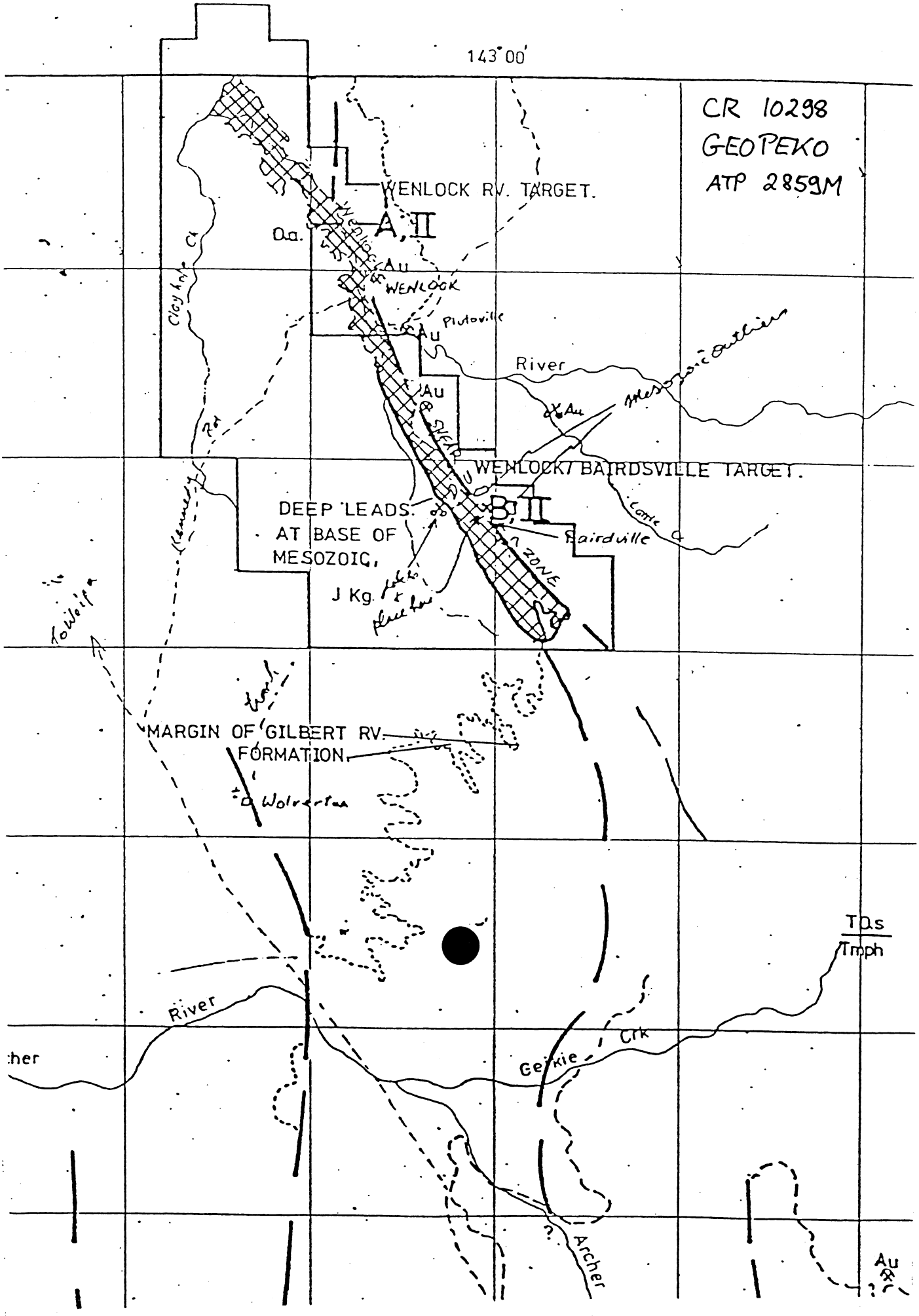
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMCycles of secondary deposits: 1. Mesozoic (U.J.) and 2. Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quarternary). Falloch Beds (stanniferous CZ sed.) cover large portion of the area (average 2 to 5m thick). #PRTin grades are very variable (like the thickness) Up to 0. 89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl.gravel show high degree of variation(0.2 - 0.9 kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained ("flood tin")(3). #DDLocality marked on topogr. map 7571. Area of about 2-3 sq.km.

REFERENCES CONTINUED.:


143°00'
CR 10298
GEOPEKO
ATP 2859M
WENLOCK RV. TARGET.
A, II
Qa.
Au
WENLOCK
Pistoville
River
Au
WENLOCK/BAIRDSVILLE TARGET.
DEEP LEADS.
AT BASE OF
MESOZOIC.
B, II
Bairdville
J Kg.
MARGIN OF GILBERT RV.
FORMATION
Wolverton
TQs
Trnph
River
Creek
Archer
Au

DATA SHEET 270

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER: 195463**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 719500 mE, 8546300 mN.
AMG SOURCE/ACCURACY: CR 10298/ 200 m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: S Wenlock Creek
LOCALITY.....: 2.2km NW Point 281 on Track to Cattle Cr. Yardo
LOCALITY ACC.: CR 10298/ 200 m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GEOPEKO; AP 2859M; 1981; ECTabdy, 1, [Au,Ag,Cu,Pb,Zn,W,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION?
HOST ROCK TYPE: Sandstones/ conglomerates.
HOST ROCK AGE : Late Jurassic - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: **ORE GRAIN SIZE..:**

ORE GENESIS:

REMARKS....: #DDWorkings only mentioned on CR 10298 map! #M1In AP area: 17 samples collected: 9 stream geochemistry; 2 bulk; 7 rock chips; 1 pan concentrate (2,p.4).

REFERENCES.: GEOPEKO(1981, QDRI unpublished company report CR 9074);GEOPEKO(1981, QDRI unpublished company report CR 10298);

DATA SHEET 271

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:645175**

COMMODITIES ....: GOLD?
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 11/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 764500 mE, 8517500 mN.
AMG SOURCE/ACCURACY: CR 4213/ Plan No. 479/ 2000m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....: CLAUDIE RIVER

GENERAL AREA.: MACROSSAN RANGE
LOCALITY.....: around 3-4 km WSW of Cone Peak

LOCALITY ACC.: CR 4213/ 2000m

MINING TENURE.....: (ML 485 Arndt Lease)

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 511M; 1971; BCGHIJKNORbdcefghl,0,-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: KINTORE ADAMELLITE?
HOST ROCK TYPE: Biotite-Muskovite Adamellite??
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....:

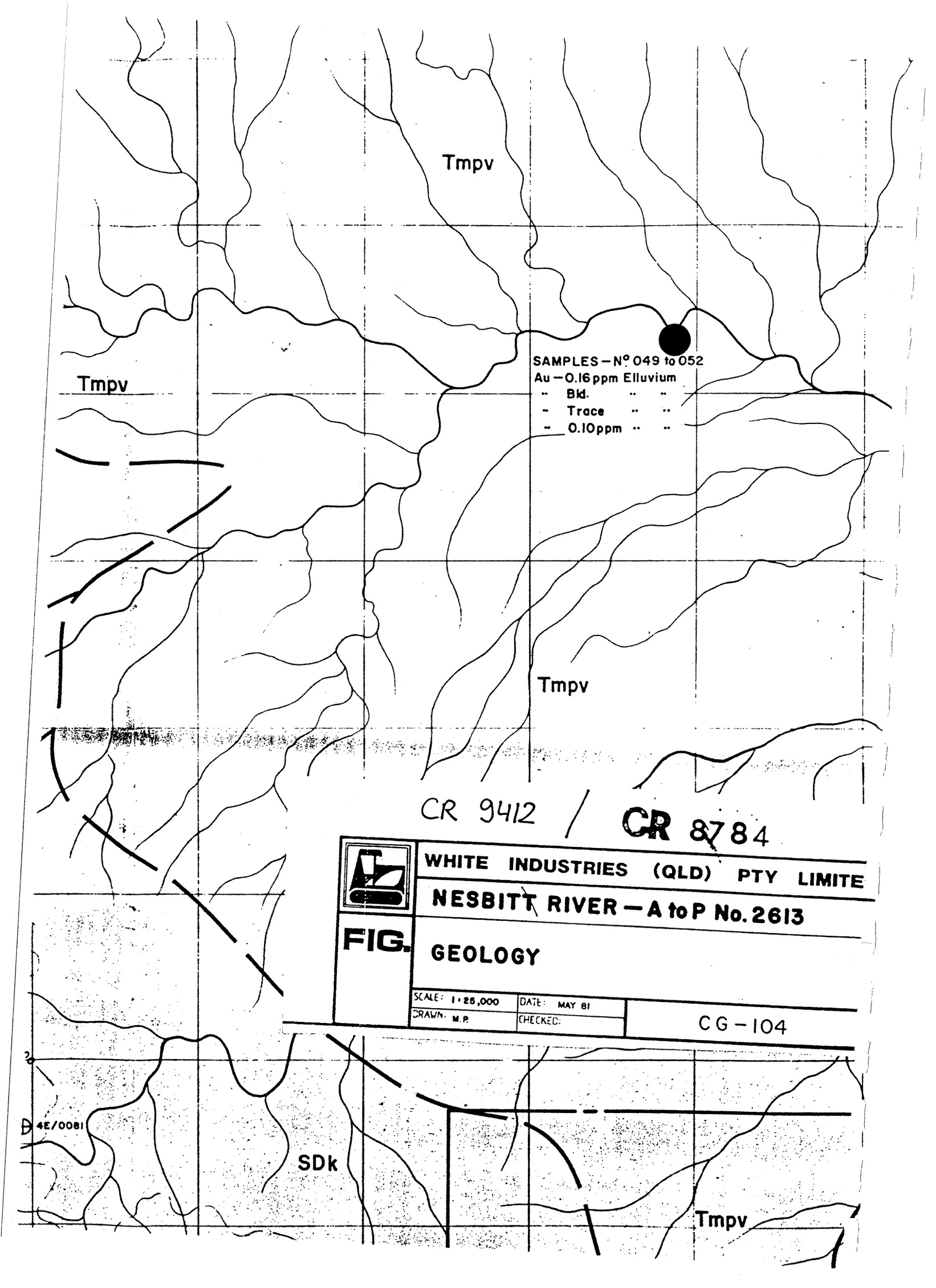
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDGrid reference is only imaginary. No location of workings given in the report. Sign of a abandoned working shown on the Geological map of Cape York Peninsula and Torres Strait (1972, BMR Bulletin 135). Locality just inside the Lockhart River Aboriginal Reserve.

REFERENCES.: CONSOLIDATED MINING IND LTD(1971, QDRI unpublished company report CR 4213);Willmott, W. et al.(1973);



CR 9412 / CR 8784

WHITE INDUSTRIES (QLD) PTY LIMITE

NESBITT RIVER – A to P No. 2613

FIG. GEOLOGY

SCALE: 1:25,000	DATE: MAY 81	CG – 104
DRAWN: M.P.	CHECKED:	

DATA SHEET 272

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:662141

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 08/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 766250 mE, 8514100 mN.
AMG SOURCE/ACCURACY: CR 9412/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: LOCKHART RIVER 7571
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: S HOWARD RANGE
LOCALITY.....: 1.5km N of Point 26/ 8.8km SSE of Buthen Buthen Mine
LOCALITY ACC.: CR 9412/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:WHITE INDUSTRIES PTY LTD; AP 2613M; 1981; ABabdq, 0, [Au,As,Ag,Pb],-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: LILYDALE BEDS
HOST ROCK TYPE: Clayey, quartztose sands, sandy clay
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: Q.

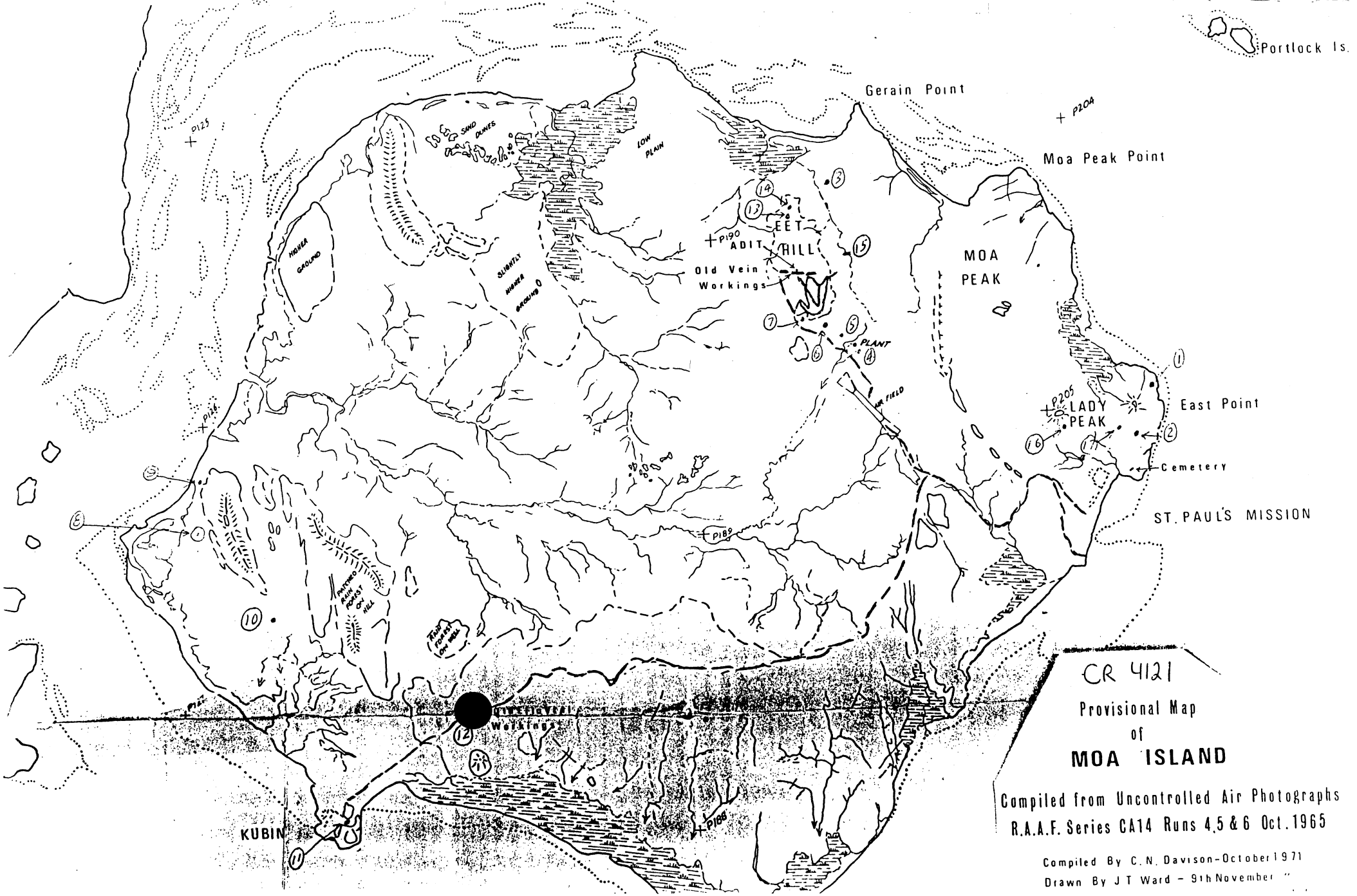
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Eluvial sands (some alluvial sands).

REMARKS....: #DDLocality in Lockhart River Aboriginal Reserve.

REFERENCES.: WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 8784);WHITE INDUSTRIES PTY LTD(1981, QDRI unpublished company report CR 9412);Shepherd, S.R.Leonhard(1938);


Portlock Is.
Gerain Point
P120A
Moa Peak Point
SAND DUNES
LOW PLAIN
HIGHER GROUND
SLIGHTLY HIGHER GROUND
P125
P126
P190
ADIT
HILL
Old Vein Workings
MOA PEAK
PLANT
AIR FIELD
P205
LADY PEAK
East Point
Cemetery
ST. PAUL'S MISSION
P189
PATCHES RAIN FOREST ON HILL
RAIN FOREST LOW HILL
Workings
KUBIN
P186
CR 4121
Provisional Map
of
MOA ISLAND
Compiled from Uncontrolled Air Photographs
R.A.A.F. Series CA14 Runs 4,5 & 6 Oct. 1965
Compiled By C.N. Davison-October 1971
Drawn By J T Ward - 9th November "

DATA SHEET 273

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:355710

COMMODITIES ....: TUNGSTEN
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 01/02/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 635500 mE, 8871000 mN.
AMG SOURCE/ACCURACY: CR 4121/ 200 m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: MOA ISLAND 7377
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: MOA ISLAND
LOCALITY.....: ~2.5 km NE of Kubin

LOCALITY ACC.: 1:250 000; Torres Strait-Boigu-Da ru, Geol.S/100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:TORRES STRAIT WOLFRAM PTY LTD; AP 921M; 1971; CAaefgo, 0,-;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Costeaning,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: TORRES STRAIT VOLCANICS
HOST ROCK TYPE:
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : W.
SECONDARY MINERALS:
GANGUE .....:

ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Vein min. with W.

REMARKS....: #M1 No further imformation for this locality is given in the report. Locality is marked on the geological map as well.

REFERENCES.: TORRES STRAIT WOLFRAM PTY LTD(1971, QDRI unpublished company report CR 4121);Willmott, W. et al. (1973);

DATA SHEET 274

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:945175

COMMODITIES ....: SILICA SAND
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 22/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 794500 mE, 8417500 mN.
AMG SOURCE/ACCURACY: CR 5482/ 100m

1:250 000.....: EBAGOOLA SC54-12
1:100 000.....: PRINC.CHARL.BAY 7669
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: Princess Charlotte Bay
LOCALITY.....: coastarea of the bay

LOCALITY ACC.: CR 5698/ 1000m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O. (AUSTRALIA) PTY LTD; AP 1520M; 1976; ECad1, 4,beach sand placer;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: LAURA BASIN
FORMATION ....:
HOST ROCK TYPE:
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : IM,MT,(RUT),(ZR).
SECONDARY MINERALS:
GANGUE .....: Q.

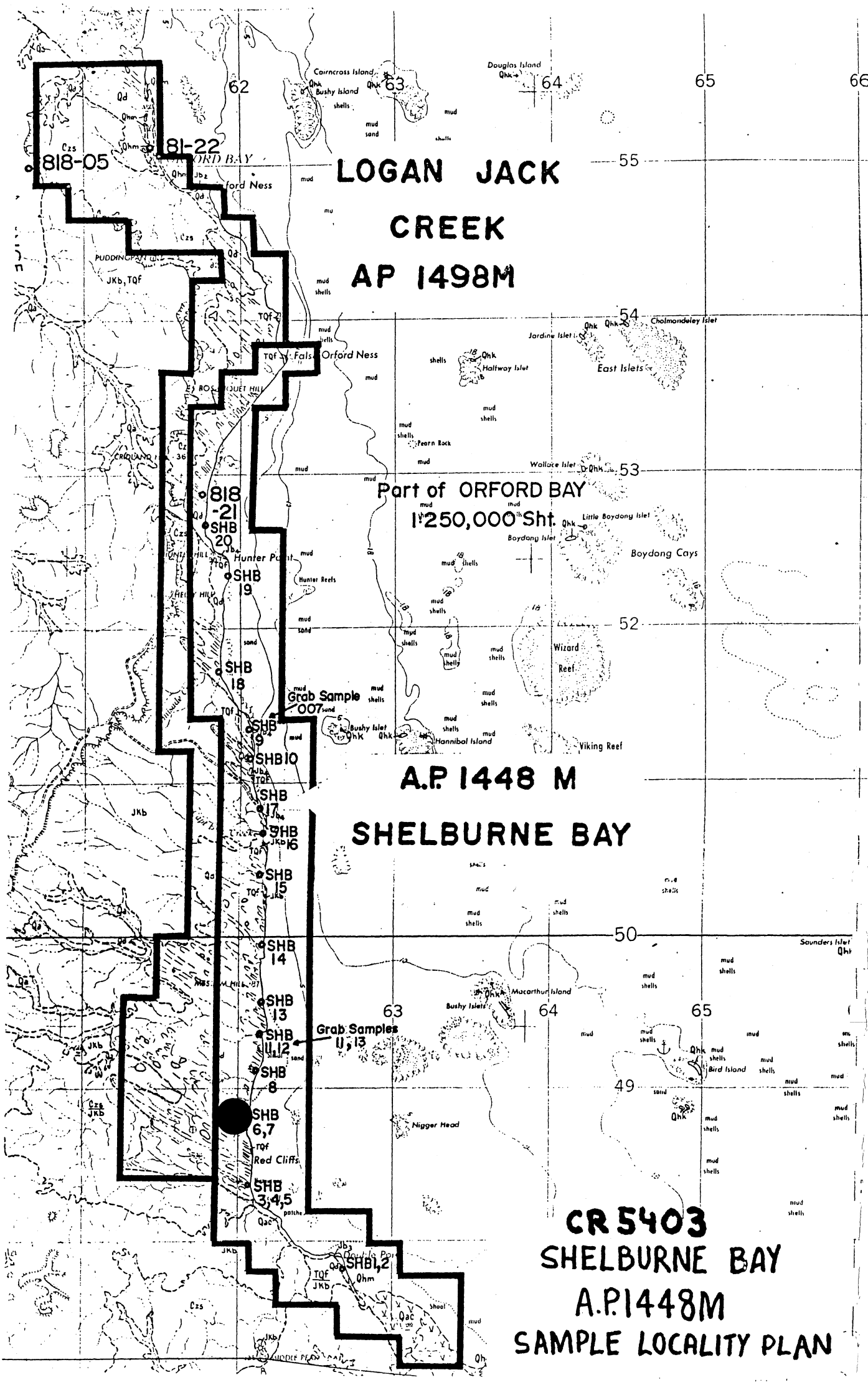
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #DDGRID REF.Point stands for the whole AP 1520M which reaches from Port Stewart coastline to S of Goose Creek. #M1In the direct area of the GRID Ref 4 drilling hole traverses have been set up in sand dunes (About 50km of coastline). The maximum heavy min. content recorded within the AP 1520M was 3.11%. #M2However the absence of significant ZR and RUT from samples with high heavy min. content is sufficient reason to warrant the relinquishment of the Authority. #MNMain components of heavy min. were MT andIM. #M2Sixteen lines were placed inside the AP, which represented a total of 161 samples from 103 holes. Minimum depth of each hole was 0.9 m Maximum 7.3m.

REFERENCES.: A.O. (AUSTRALIA) PTY LTD(1976, QDRI unpublished company report CR 5482);


LOGAN JACK
CREEK
AP 1498M
A.P. 1448 M
SHELBURNE BAY
Part of ORFORD BAY
1:250,000 Sht.
818-05
81-22
818-21
SHB 20
SHB 19
SHB 18
SHB 17
SHB 16
SHB 15
SHB 14
SHB 13
SHB 11,12
SHB 8
SHB 6,7
SHB 3,4,5
SHB 1,2
Grab Sample 007
Grab Samples 0, 13
Red Cliffs
Hunter Point
Hunter Reefs
Orford Ness
Falls
Cairncross Island
Douglas Island
Bushy Island
Halfway Islet
East Islets
Cholmondeley Islet
Jardine Islet
Pearn Rock
Wallace Islet
Little Boydong Islet
Boydong Islet
Boydong Cays
Wizard Reef
Hannibal Island
Viking Reef
Bushy Islets
Macarthur Island
Bird Island
Saunders Islet
Nigger Head
CR 5403
SHELBURNE BAY
A.P. 1448M
SAMPLE LOCALITY PLAN

DATA SHEET 275

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:015947

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 29/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 701500 mE, 8694700 mN.
AMG SOURCE/ACCURACY: CR 5403/ PLAN (sample locality)/ 300m

1:250 000.....: ORFORD BAY · SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 2km N Red Cliffs

LOCALITY ACC.: CR 5403/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.; AP 468M; 1968; AB1, 0, -;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 120.0m av.long x 2.0m av.wide x 0.1m av.vert.depth..

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR.
SECONDARY MINERALS:
GANGUE .....: Q.

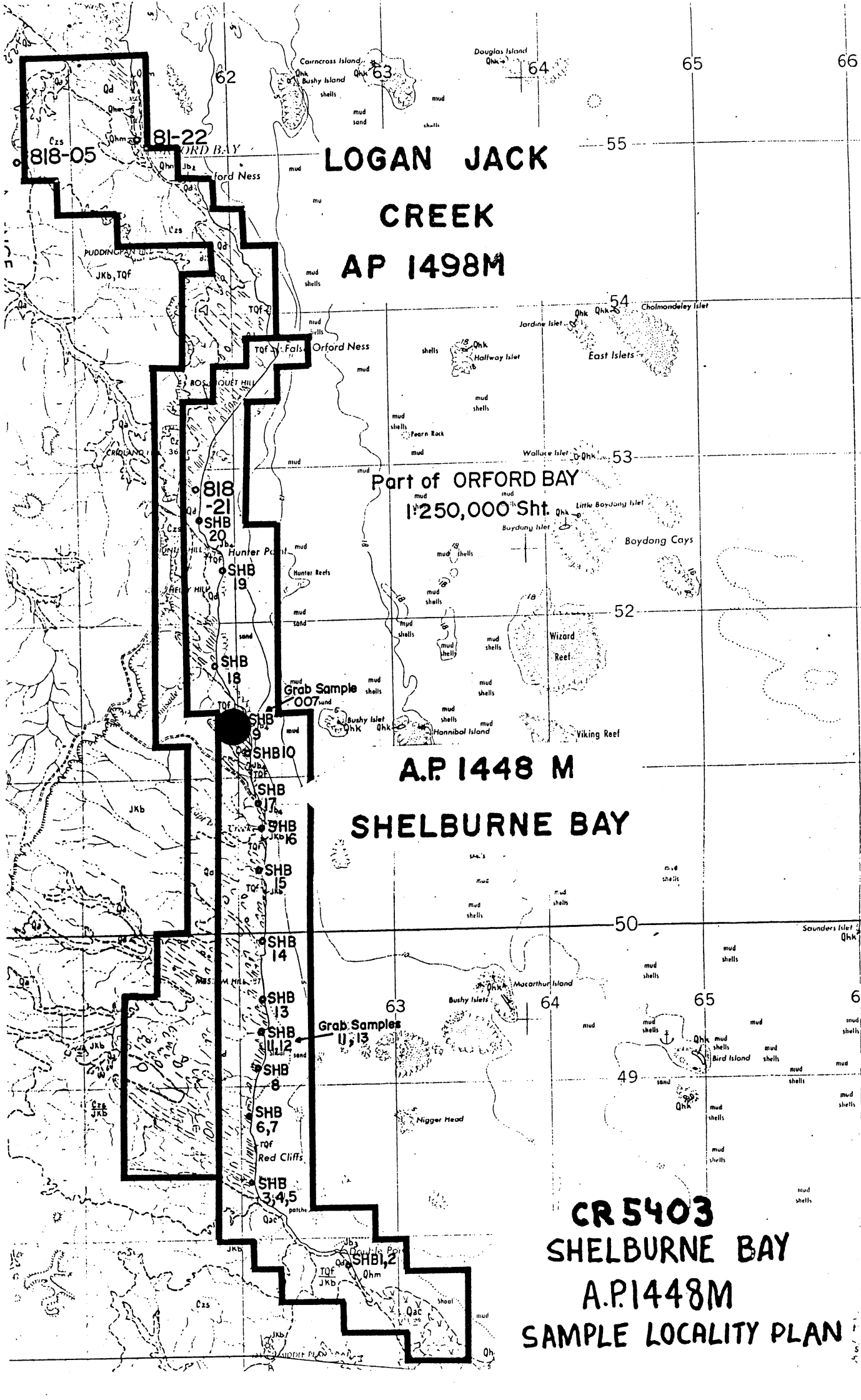
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. RUT & ZR major heavy min. species. Heavy min. grains on beach include GA, IM, MZ, RUT, ZR; often 50% RUT and 30% ZR (1).

REMARKS....: #MS Dune silica, heavy min. sands & modern marine sediments. Sands practically clay and calcite free, indicating offshore deposition. Age unknown, but they lie on a Cretaceous basement (also major direct sand source) = post-Cretaceous. Very varying provenances:- SEFTON METAMORPHICS; -KINTORE ADAMELLITE; JANET RANGES VOLCANICS (largely rhyolitic tuffs) + KANGAROO RIVER VOLC.; -Serveral Permo-Carboniferous acid intrusives (WEYMOUTH GRANITE); -CARPENTARIA BASIN Sediments: (1). #MN Sand grains clean white rounded Q, >80% finer 20 mesh. Main conc. processes are wind and wave action, chiefly during cyclonic storms. #GM SHB 6,7:Surficial heavy min. rich layer at base of frontal dune, (120 m long, av. width 2 m, av. thickn. 10 cm) #PR Potent.res. 24 kub.m (1)

REFERENCES.: A.O.G. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5403);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI


LOGAN JACK
CREEK
AP 1498M
Part of ORFORD BAY
1:250,000 Sht.
A.P 1448 M
SHELBURNE BAY
818-05
81-22
818
-21
SHB
20
SHB
19
SHB
18
Grab Sample
007
SHB
9
SHB10
SHB
17
SHB
16
SHB
15
SHB
14
SHB
13
SHB
11,12
Grab Samples
0,13
SHB
8
SHB
6,7
Red Cliffs
SHB
3,4,5
SHB1,2
Hunter Reefs
Bushy Island
Hannibal Island
Yiking Reef
Wizard
Reef
Boydong Cays
Little Boydong Islet
Boydung Islet
Jardine Islet
Cholmondeley Islet
East Islets
Hallway Islet
Pearn Rock
Wallace Islet
Orford Ness
Douglas Island
Cairncross Island
Bushy Island
Macarthur Island
Bushy Islets
Saunders Islet
Bird Island
Nigger Head
CR 5403
SHELBURNE BAY
A.P.1448M
SAMPLE LOCALITY PLAN

DATA SHEET 276

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET -

NAME(S).....: _Unnamed

REFERENCE NUMBER:016181

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 29/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 701600 mE, 8718100 mN.
AMG SOURCE/ACCURACY: CR 5403/ PLAN (sample locality)/ 300m

1:250 000.....: ORFORD BAY SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 5km N Captain Billys landing

LOCALITY ACC.: CR 5403/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.;AP 468M; 1968; ABle, 0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR.
SECONDARY MINERALS:
GANGUE .....: Q.

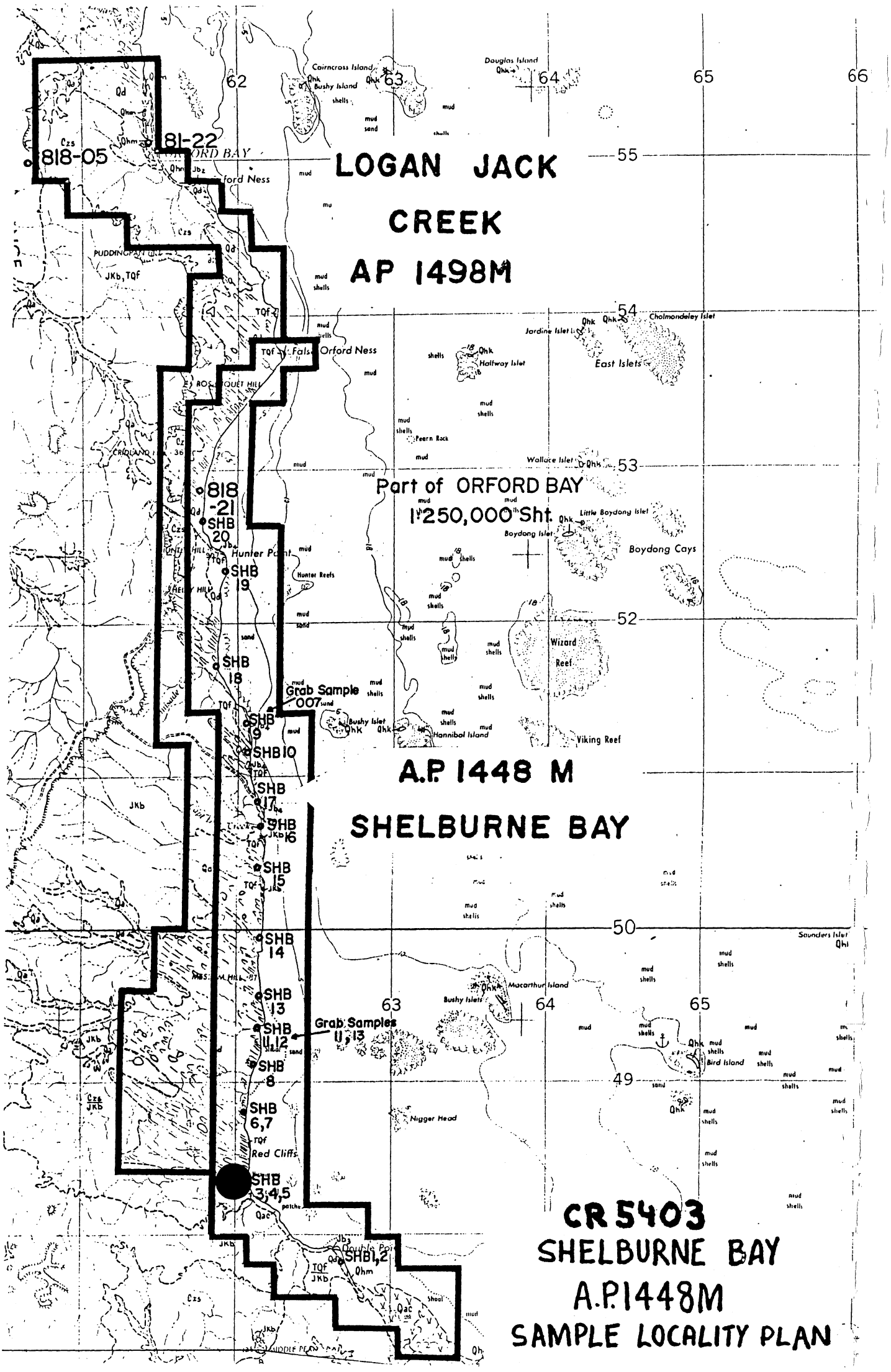
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. RUT & ZR major heavy min. species. Heavy min. grains on beach include GA, IM, MZ, RUT, ZR; often 50% RUT and 30% ZR (1).

REMARKS....: #MS Dune silica, heavy min. sands & modern marine sediments. Sands practic. clay and calcite free, indicating offshore deposition. Age unknown, but they lie on a Cretaceous basement (also major direct sand source) = post-Cretaceous. Very varying provenances: - SEFTON METAMORPHICS; -KINTORE ADAMELLITE; JANET RANGES VOLCANICS (largely rhyolitic tuffs) + KANGAROO RIVER VOLC.; -Serveral Permo-Carboniferous acid intrusives (WEYMOUTH GRANITE); -CARPENTARIA BASIN Sediments: (1). #MN Sand grains clean white rounded Q, >80% finer 20 mesh. Main conc. processes are wind and wave action, chiefly during cyclonic storms. #GM 007: Dep. confined betw. rocky headlands, 20m apart, + backed by vertical rocky cliffs. Largely bright red GA sand (5-15cm). #PR Pot: 10m3 (1).

REFERENCES.: A.O.G. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5403);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI



CR 5403
SHELBURNE BAY
A.P. 1448M
SAMPLE LOCALITY PLAN

DATA SHEET 277

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 1 of 2)

REFERENCE NUMBER:016904A

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 29/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 701600 mE, 8690400 mN.
AMG SOURCE/ACCURACY: CR 5403/ PLAN (sample locality)/ 300m

1:250 000.....: ORFORD BAY SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 2.5 km S Red Cliffs

LOCALITY ACC.: CR 5403/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G.MINERALS PTY LTD; AP 1448M; 1975; ABnlq,0,-; R.HARE + ASSOCIATES; AP 468M; 1968; AB1,0; -; METAL EXPLORATION N.L.; AP 468M; 1968; AB1e,0;-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: snads.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 600.0m max.long x 3.0m max.wide x 0.1m max.vert.depth..

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR.
SECONDARY MINERALS:
GANGUE .....: Q.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. RUT & ZR major heavy min. species. Heavy min. grains on beach include GA, IM, MZ, RUT, ZR; often 50% RUT and 30% ZR (1).

REMARKS....: #MS Dune silica, heavy min. sands & modern marine sediments. Sands practic. clay and calcite free, indicating offshore deposition. Age unknown, but they lie on a Cretaceous basement (also major direct sand source) = post-Cretaceous. Very varying provenances: - SEFTON METAMORPHICS; -KINTORE ADAMELLITE; JANET RANGES VOLCANICS (largely rhyolitic tuffs) + KANGAROO RIVER VOLC.; -Serveral Permo-Carboniferous acid intrusives (WEYMOUTH GRANITE); -CARPENTARIA BASIN Sediments: (1). #MN Sand grains clean white rounded Q, >80% finer 20 mesh. Main concentration processes are wind and wave action, chiefly during cyclonic storms. #GM SHB 3,4: A surficial layer, rich in H.M., about 1 cm thick, occurs at base of eroding fronting dune. Layer continues N along edge of fr

REFERENCES.: A.O.G. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5403);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI

NAME(S).....: _Unnamed (Page 2 of 2)

REFERENCE NUMBER:016904B

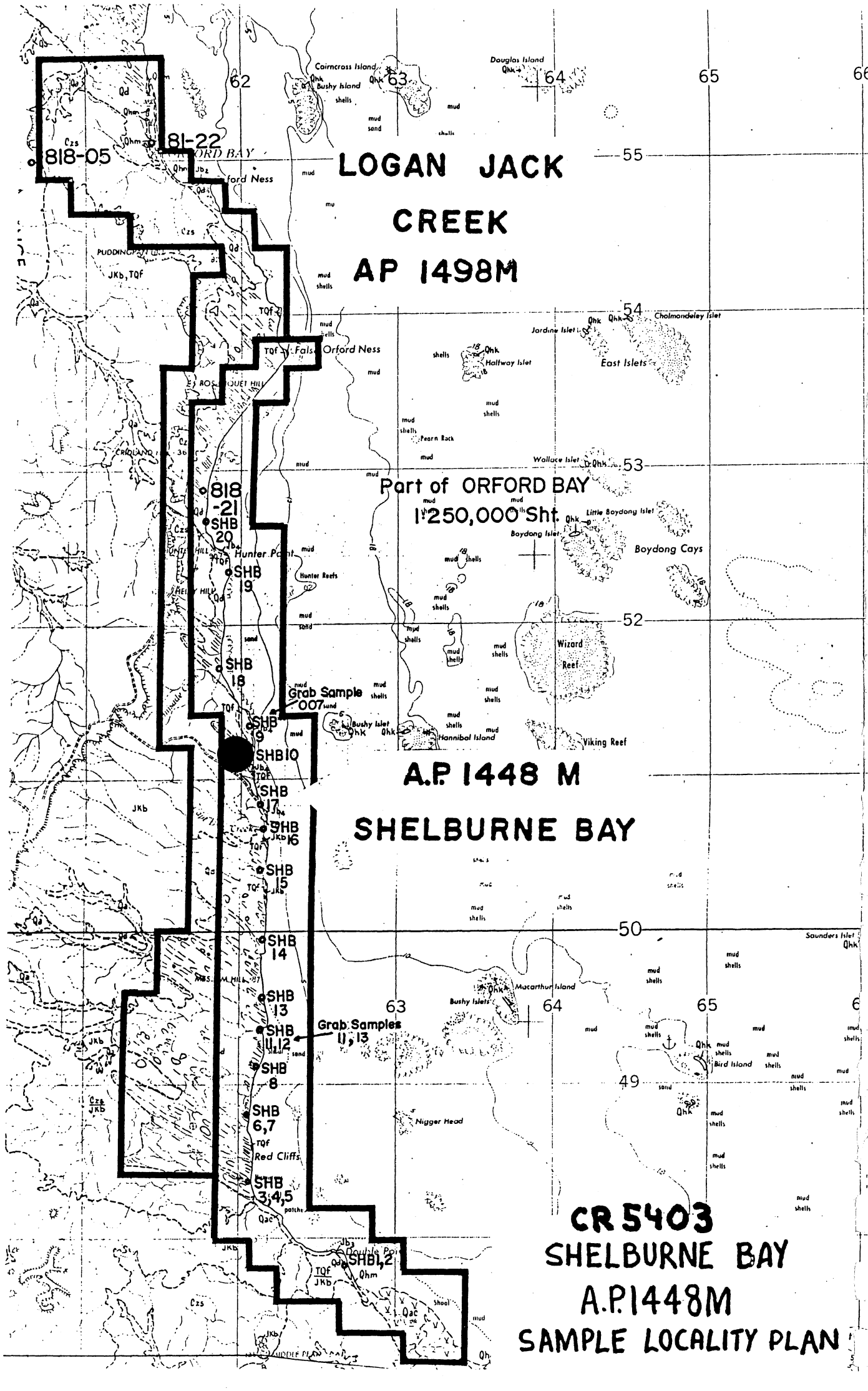
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GM Layer continues N along the edge of the frontal dune for a max of 100m beach length. S of SHB 4, the HM layer continues for about 500m, with max depth of about 15 cm and an average beach width of about 3m. #PR Potential reserves are estimated at 600 m x 3m x 0.1m = 180 m3 of sand (1).

REFERENCES CONTINUED.:


LOGAN JACK CREEK AP 1498M
Part of ORFORD BAY 1:250,000 Sht.
A.P. 1448 M SHELBURNE BAY
818-05
81-22
818-21
SHB 20
SHB 19
SHB 18
Grab Sample 007
SHB 19
SHB 10
SHB 17
SHB 16
SHB 15
SHB 14
SHB 13
SHB 11,12
Grab Samples 11, 13
SHB 8
SHB 6,7
SHB 3,4,5
SHB 1,2
Hunter Point
Hunter Reefs
Bushy Islet
Hannibal Island
Wizard Reef
Viking Reef
Boydong Islet
Boydong Cays
Little Boydong Islet
Halfway Islet
East Islets
Cholmondeley Islet
Jardine Islet
Pearn Rock
Wallace Islet
Cairncross Island
Douglas Island
Bushy Island
Macarthur Island
Bushy Islets
Bird Island
Saunders Islet
Nigger Head
Red Cliffs
Double Point
Orford Ness
CR 5403
SHELBURNE BAY
A.P. 1448M
SAMPLE LOCALITY PLAN

DATA SHEET 279

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:018153**

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 29/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 701800 mE, 8715300 mN.
AMG SOURCE/ACCURACY: CR 5403/ PLAN (sample locality)/ 300m

1:250 000.....: ORFORD BAY SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 2km N Captain Billy landing

LOCALITY ACC.: CR 5403/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METALS EXPLORATION N.L.; AP 468M; 1968; ABal, 0, -;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: snads.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 100.0m av.long x 0.1m av.wide .

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR.
SECONDARY MINERALS:
GANGUE .....: Q.

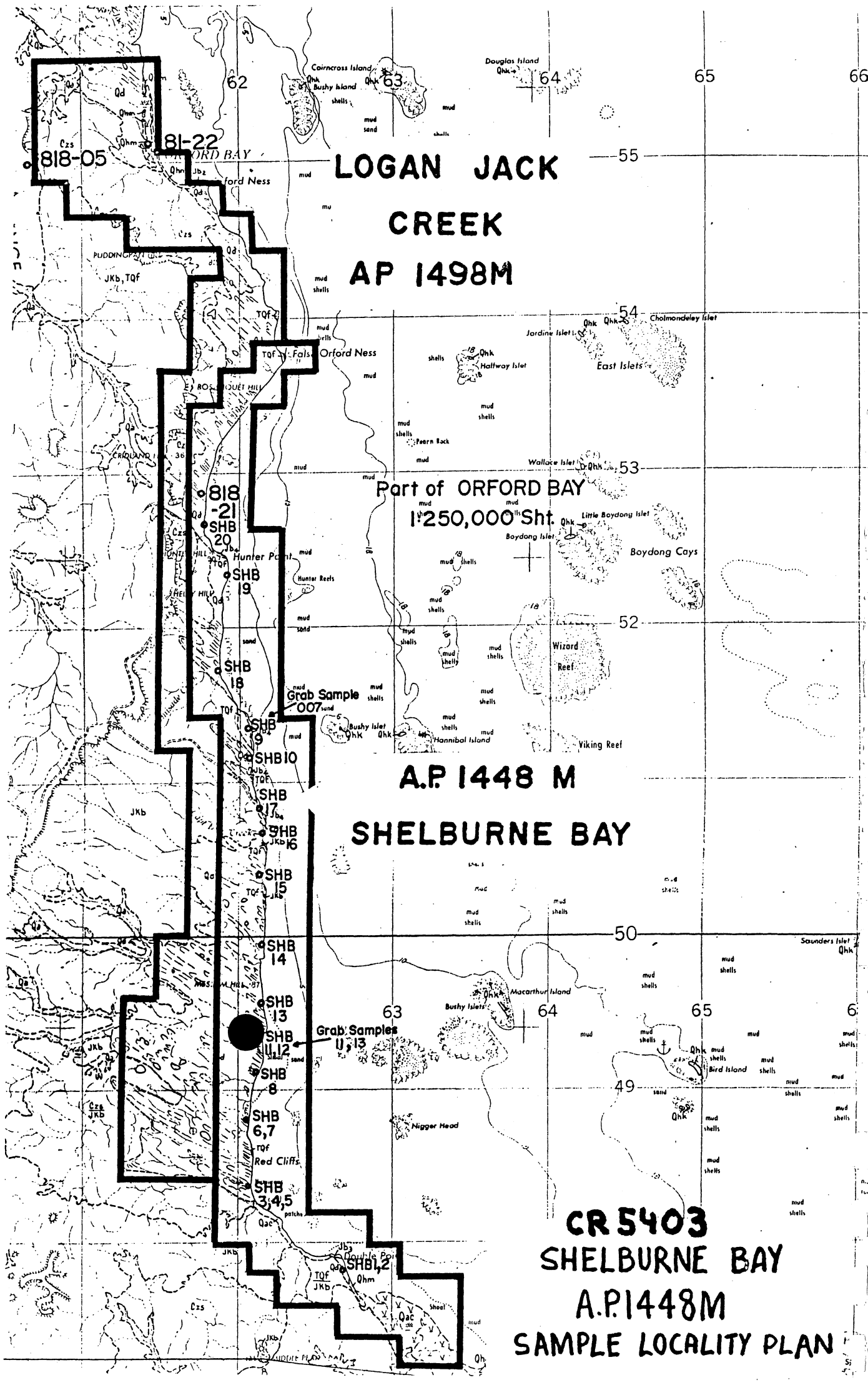
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. RUT & ZR major heavy min. species. Heavy min. grains on beach include GA, IM, MZ, RUT, ZR; often 50% RUT and 30% ZR (1).

REMARKS....: #MS Dune silica, heavy min. sands & modern marine sediments. Sands practic. clay and calcite free, indicating offshore deposition. Age unknown, but they lie on a Cretaceous basement (also major direct sand source) = post-Cretaceous. Very varying provenances:- SEFTON METAMORPHICS; -KINTORE ADAMELLITE; JANET RANGES VOLCANICS (largely rhyolitic tuffs) + KANGAROO RIVER VOLC.; -Serveral Permo-Carboniferous acid intrusives (WEYMOUTH GRANITE); -CARPENTARIA BASIN Sediments: (1). #MN Sand grains clean white rounded Q, >80% finer 20 mesh. Main conc. processes are wind and wave action, chiefly during cyclonic storms. #GM SHB 10: Heavy min. conc. confined to surface layer (2cm thick, ~100m long). #PR Potential reserves about 100m x 10m x 0.02m = 20 kubik m sand.

REFERENCES.: A.O.G. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5403);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI


LOGAN JACK
CREEK
AP 1498M
A.P. 1448 M
SHELBURNE BAY
Part of ORFORD BAY
1:250,000 Sht.
818-05
818-22
818-21
SHB 20
SHB 19
SHB 18
SHB 9
SHB 10
SHB 17
SHB 16
SHB 15
SHB 14
SHB 13
SHB 11,12
SHB 8
SHB 6,7
SHB 3,4,5
SHB 1,2
Grab Sample 007
Grab Samples 11, 13
Orford Ness
Hunter Point
Hunter Reefs
Bushy Islet
Hannibal Island
Viking Reef
Wizard Reef
Boydong Islet
Boydong Cays
Little Boydong Islet
Halfway Islet
East Islets
Cholmondeley Islet
Jardine Islet
Pearn Rock
Wallace Islet
Macarthur Island
Bushy Islets
Bird Island
Saunders Islet
Nigger Head
Red Cliffs
Cairncross Island
Douglas Island
Bushy Island
CR 5403
SHELBURNE BAY
A.P.1448M
SAMPLE LOCALITY PLAN

DATA SHEET 280

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:022997

COMMODITIES ....: RUTILE,ZIRCON
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 29/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 702200 mE, 8699700 mN.
AMG SOURCE/ACCURACY: CR 5403/ PLAN (sample locality)/ 300m

1:250 000.....: ORFORD BAY SC54-16
1:100 000.....: SHELBURNE BAY 7474
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: SHELBURNE BAY
LOCALITY.....: 2km S Messum Hill/7.5km N of R ed Cliffs
LOCALITY ACC.: CR 5403/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:A.O.G. MINERALS PTY LTD; AP 1448M; 1975; ABnlq, 0, -; METAL EXPLORATION N.L.;AP 468M; 1968; ABle, 0,-;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: OLIVE RIVER BASIN/ CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: sands.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 300.0m max.long x 0.1m av.wide x 0.1m av.vert.depth..

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : RUT,ZR.
SECONDARY MINERALS:
GANGUE .....: Q.

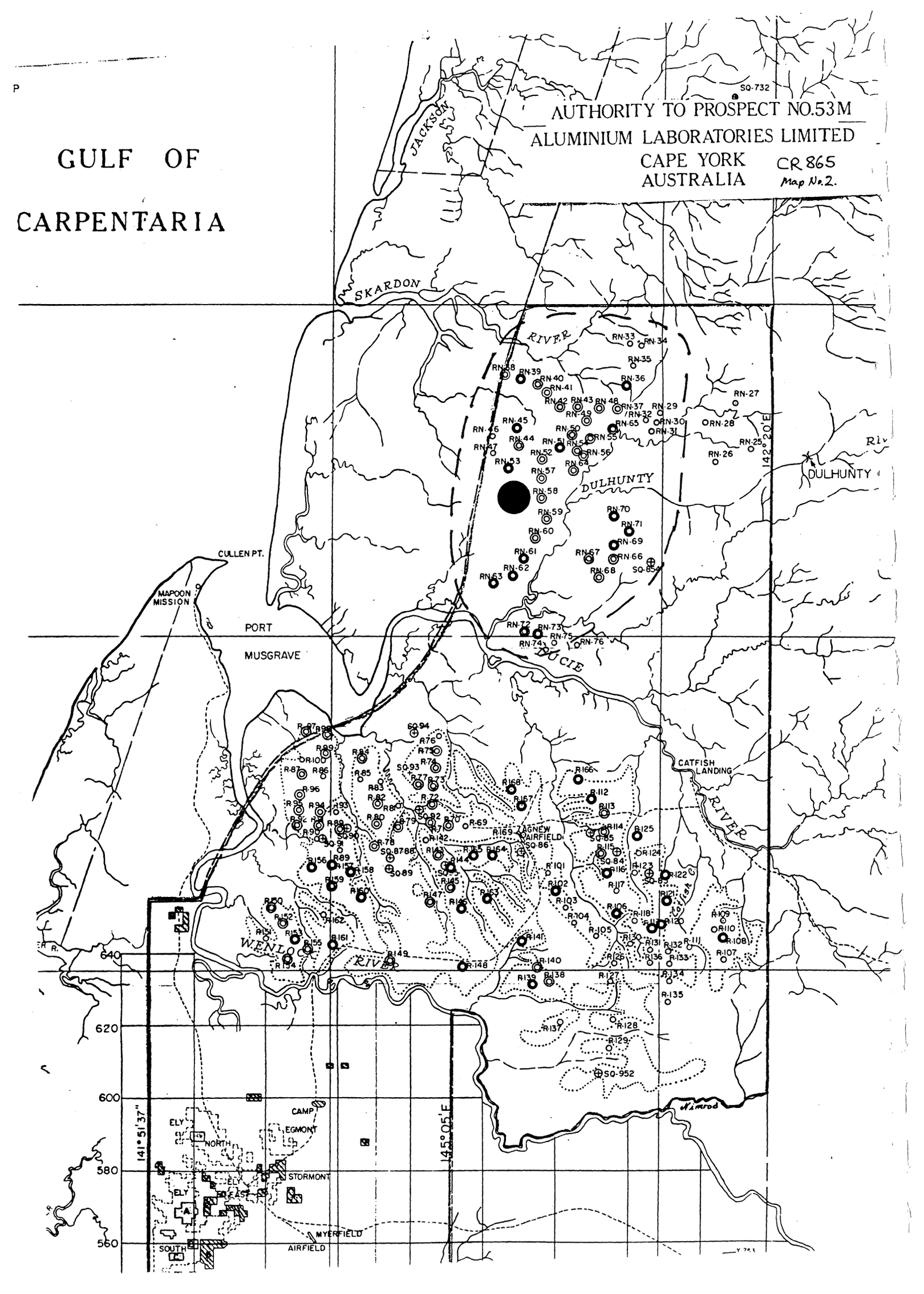
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Silica sands, beaches and dunes. RUT & ZR major heavy min. species. Heavy min. grains on beach include GA, IM, MZ, RUT, ZR; often 50% RUT and 30% ZR (1).

REMARKS....: #MS Dune silica, heavy min. sands & modern marine sediments. Sands practic. clay and calcite free, indicating offshore deposition. Age unknown, but they lie on a Cretaceous basement (also major direct sand source) = post-Cretaceous. Very varying provenances: - SEFTON METAMORPHICS; -KINTORE ADAMELLITE; JANET RANGES VOLCANICS (largely rhyolitic tuffs) + KANGAROO RIVER VOLC.; -Serveral Permo-Carboniferous acid intrusives (WEYMOUTH GRANITE); -CARPENTARIA BASIN Sediments: (1). #MN Sand grains clean white rounded Q, >80% finer 20 mesh. Main conc. processes are wind and wave action, chiefly during cyclonic storms. #GM SHB 11,12:A thin layer of H.M. at the toe of the frontal dune, with length about 300m max., 3m width max., and av. depth 5 cm. #PRPot:45m3 (1).

REFERENCES.: A.O.G. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5403);METALS EXPLORATION N.L.(1968, QDRI unpublished company report CR 2623);Macdonald Wagner(1981);SILICA SERVICES PTY LTD(1981, QDRI unpublished company report CR 10127); ALLSTATE EXPLORATION N.L.(1974, QDRI unpublished company report CR 5236);QUEENSLAND SILICA PTY LTD(1974, QDRI unpublished company report CR 5224);A.C.I. MINERALS PTY LTD(1975, QDRI unpublished company report CR 5225);ALLSTATE EXPLORATION N.L.(1977, QDRI


AUTHORITY TO PROSPECT NO.53M
ALUMINIUM LABORATORIES LIMITED
CAPE YORK
AUSTRALIA
CR 865
Map No.2.
GULF OF
CARPENTARIA
JACKSON
SKARDON
RIVER
DULHUNTY
CULLEN PT.
MAPOON
MISSION
PORT
MUSGRAVE
RUCIE
CATFISH
LANDING
RIVER
LAGNEW
AIRFIELD
WENLOCK
RIVER
CAMP
EGMONT
ELY
NORTH
ELY
EAST
STORMONT
ELY
SOUTH
MYERFIELD
AIRFIELD
Wimrod
141°51'37"
145°05'E
142°20'E
640
620
600
580
560

DATA SHEET 281

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:270870

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 14/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 627000 mE, 8687000 mN.
AMG SOURCE/ACCURACY: CR 865/Plan "Gulf of Carpentaria"/ 300m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: SKARDON RIVER 7374
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: NE of Port Musgrave
LOCALITY.....: Westside of Dulhunty River

LOCALITY ACC.: CR 865/Plan "Gulf of Carpentaria" / 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: ALUMINIUM LABORATORIES LTD(1962)estimated BX:1510\7xt @52.0%AlAl,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:ALUMINIUM LABORATORIES LTD; AP 53M; 1961; CEcelq,3, weathered surface soil;

TECHNIQUES USED ...:

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Feruginous laterite with pisolitic bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 1.6m av.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GOET,KAO
GANGUE .....: SILICA, FE-OXIDES

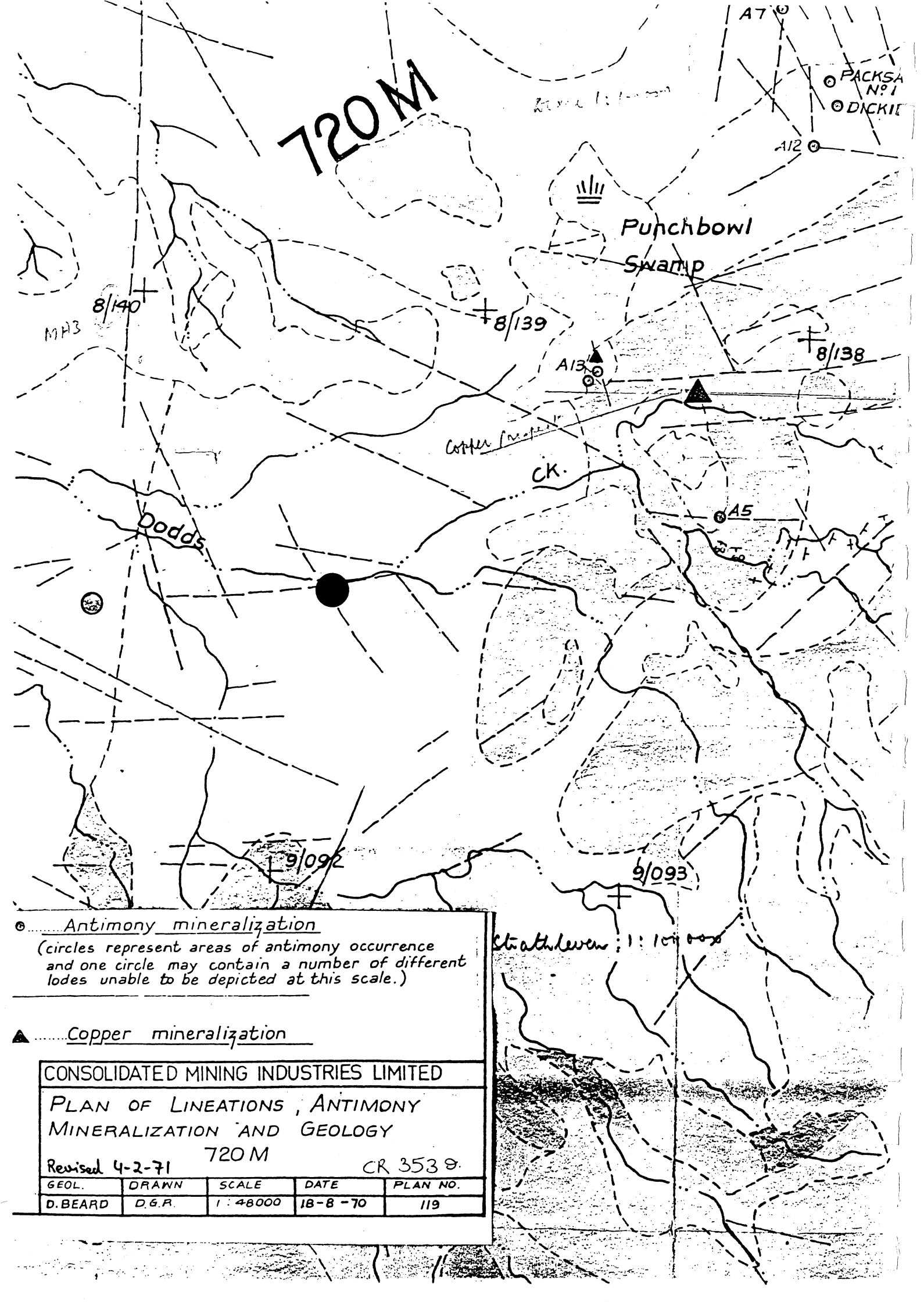
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil profile.

REMARKS....: #DDArea N of the Ducie River, mainly on the W-side of the Dulhunty River: estimated to have a potential of about 150000000 tons grading 12.5%SiO2 and 52%Al2O3 in the crude state. #M1A total of 52 holes drilled (~230m). 6 holes encountered 1.6m or more of material containing <10%SiO2 and >50%Al2O3.

REFERENCES.: ALUMINIUM LABORATORIES LTD(1961, QDRI unpublished company report CR 752);ALUMINIUM LABORATORIES LTD(1962, QDRI unpublished company report CR 865);


720M
A7
PACKSA No.1
DICKIE
A12
Punchbowl Swamp
8/140
MH3
8/139
8/138
A13
Copper Creek
CK.
Dodds
A5
9/092
9/093
Strathleven 1:10
Antimony mineralization
(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)
Copper mineralization
CONSOLIDATED MINING INDUSTRIES LIMITED
PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY
720M
Revised 4-2-71
CR 353 8.
GEOL. D.BEARD
DRAWN D.G.R.
SCALE 1:48000
DATE 18-8-70
PLAN NO. 119

DATA SHEET 282

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:597825

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: LGC 20/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 759700 mE, 8282500 mN.
AMG SOURCE/ACCURACY: CR 3539/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: STRATHLEVEN 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: N of "The Desert"
LOCALITY.....: 12km NW of Kimba Hst.

LOCALITY ACC.: CR 3539/ + 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND LTD; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss.
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....: Q.

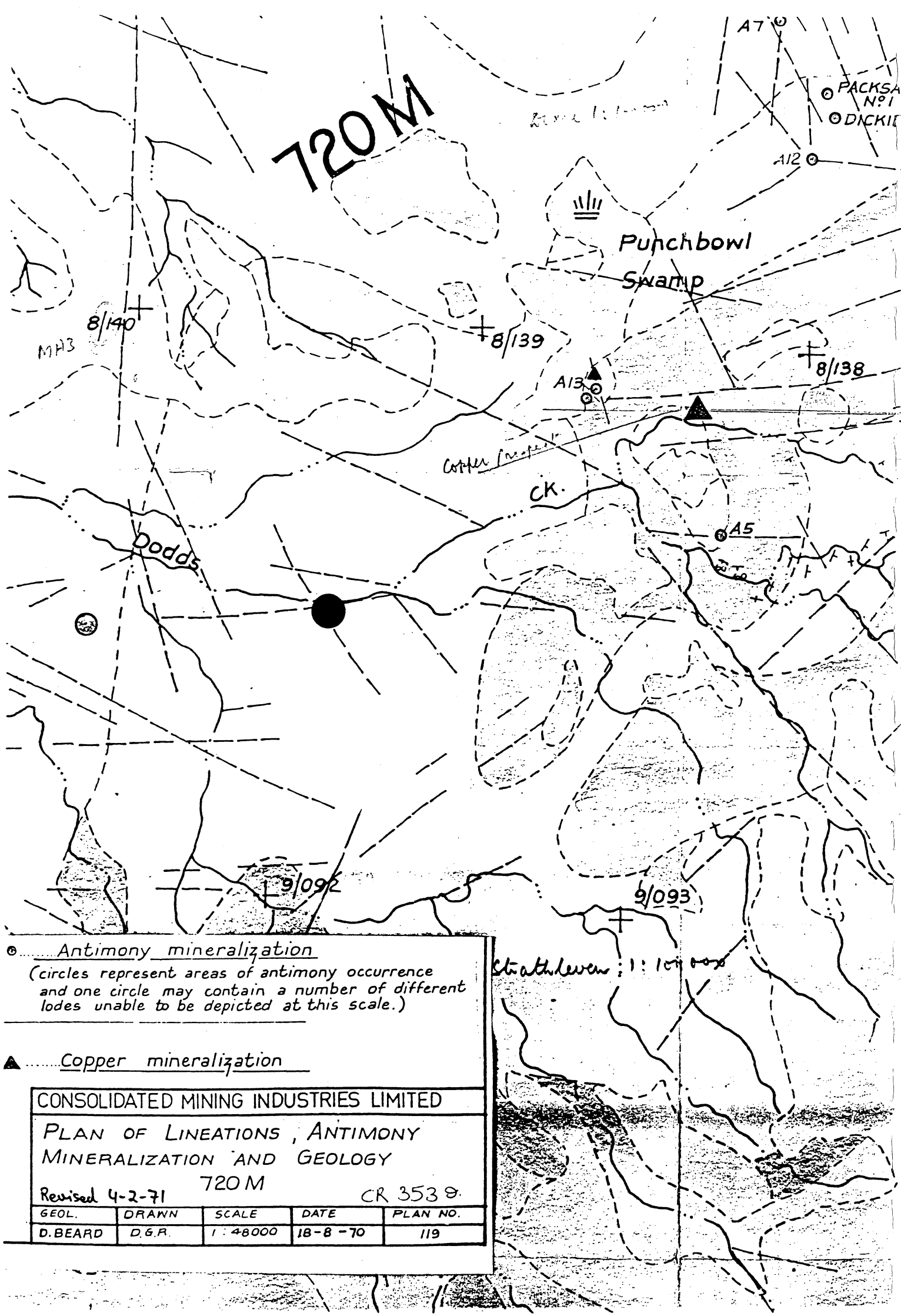
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



Antimony mineralization

(circles represent areas of antimony occurrence and one circle may contain a number of different lodes unable to be depicted at this scale.)

Copper mineralization

CONSOLIDATED MINING INDUSTRIES LIMITED

PLAN OF LINEATIONS, ANTIMONY MINERALIZATION AND GEOLOGY

720 M

Revised 4-2-71

CR 353 9.

GEOL.	DRAWN	SCALE	DATE	PLAN NO.
D. BEARD	D.G.R.	1 : 48000	18-8-70	119

DATA SHEET 283

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 628827

COMMODITIES ....: ANTIMONY
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: LGC 20/04/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 762800 mE, 8282700 mN.
AMG SOURCE/ACCURACY: CR 3539/ 300m

1:250 000.....: HANN RIVER SD54-16
1:100 000.....: STRATHLEVEN 7566
MINING DISTRICT : COOKTOWN
MINING FIELD....:

GENERAL AREA.: N of "The Desert"
LOCALITY.....: 11km NNW of Kimba Hst.

LOCALITY ACC.: CR 3539/ 300m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:CONSOLIDATED MINING IND; AP 720M; 1970;

TECHNIQUES USED ...: Geology,Geochemistry,Costeaning

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: DARGALONG METAMORPHICS
HOST ROCK TYPE: Metagranite, gneiss
HOST ROCK AGE : Precambrian

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS:
GANGUE .....: Q.

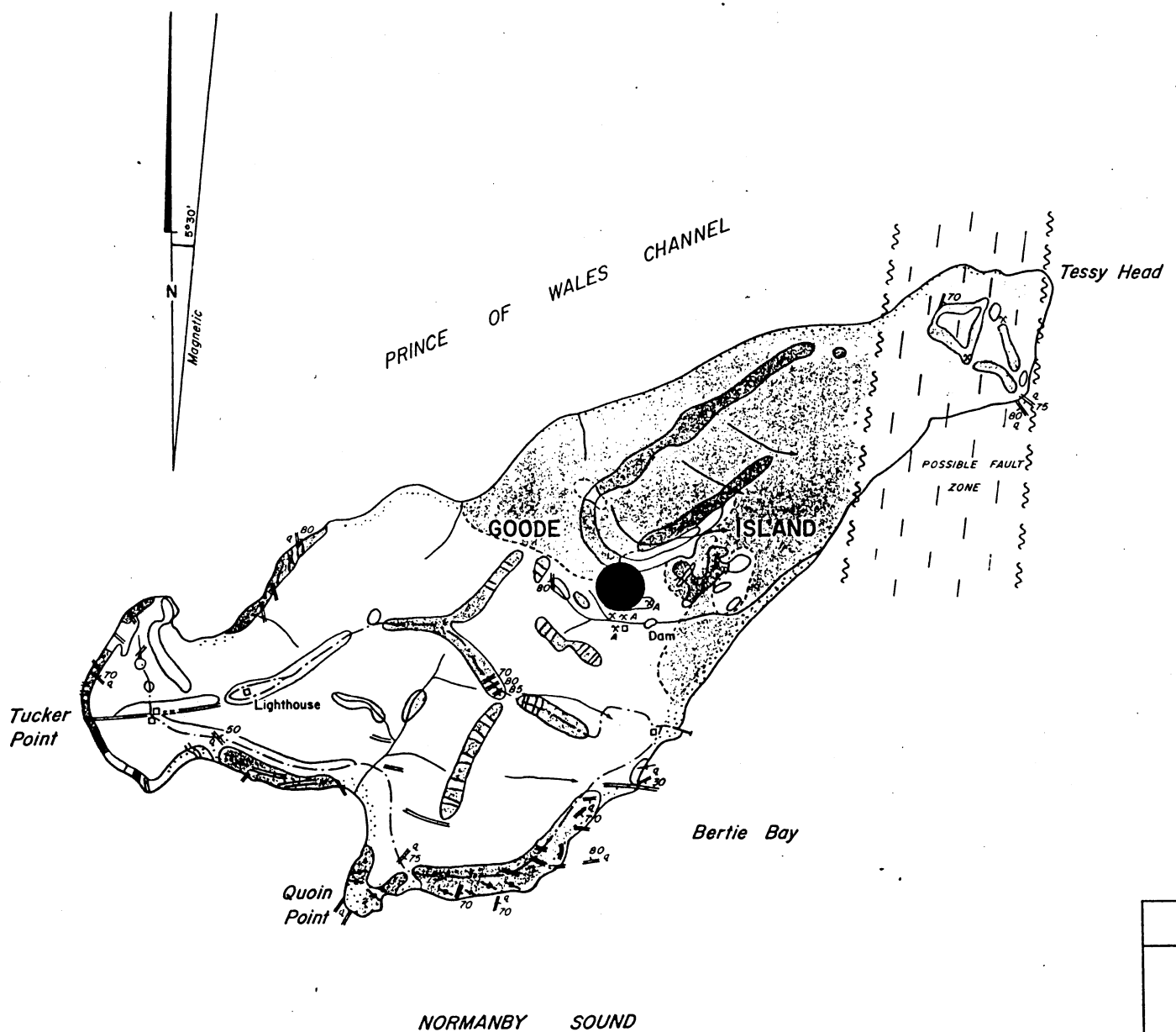
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....:

REFERENCES.: CONSOLIDATED MINING IND LTD(1970, QDRI unpublished company report CR 3539);



LEGEND

- Boundary of Authority to Prospect – Coastline
- Track
- Building
- Stream
- Sand Beach
- Dacite, rhyo-dacite (Ignimbrite) – Fresh
- " " " – Stock-worked (barren)
- " " " – Stock worked (sulphides)
- " " " – Stock-worked (sulphides with visible copper)
- Epidote rock (silicified, strongly sheared, metamorphosed
- Outcrop area inspected
- Joints, Dykes (usually rhyolite with some pyrite)
- Quartz veins
- Pit, Alluvial workings
- Interpreted geological Boundary

PLATE 20

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580 M
TORRES STRAIT ISLANDS - QLD.
GOODE ISLAND
GEOLOGICAL MAP

SCALE
1100 550 0 1100 2200 Feet

DATE: JANUARY, '70	GEOLOGY: D. Richards	DRAWN: N.W.R.
APPROVED: S. Roderick	DRAWING No 114-C-204	

C/R 3145

DATA SHEET 284

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:267319

COMMODITIES ....: GOLD?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 19/12/89
METHOD OF WORKING..: Pit(s), Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 626700 mE, 8831950 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 20: Goode Island. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: GOODE ISLAND

GENERAL AREA.: NE Tip of GOODE ISLAND
LOCALITY.....: 800m ENE of Lighthouse (C255)

LOCALITY ACC.: CR 3145/Plate 20/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: GOODES ISLAND IGNIMBRITE
HOST ROCK TYPE: Ignimbrite (dacite, rhyodacite and dellenite welded tuff)
HOST ROCK AGE : Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU?
SECONDARY MINERALS:
GANGUE .....:

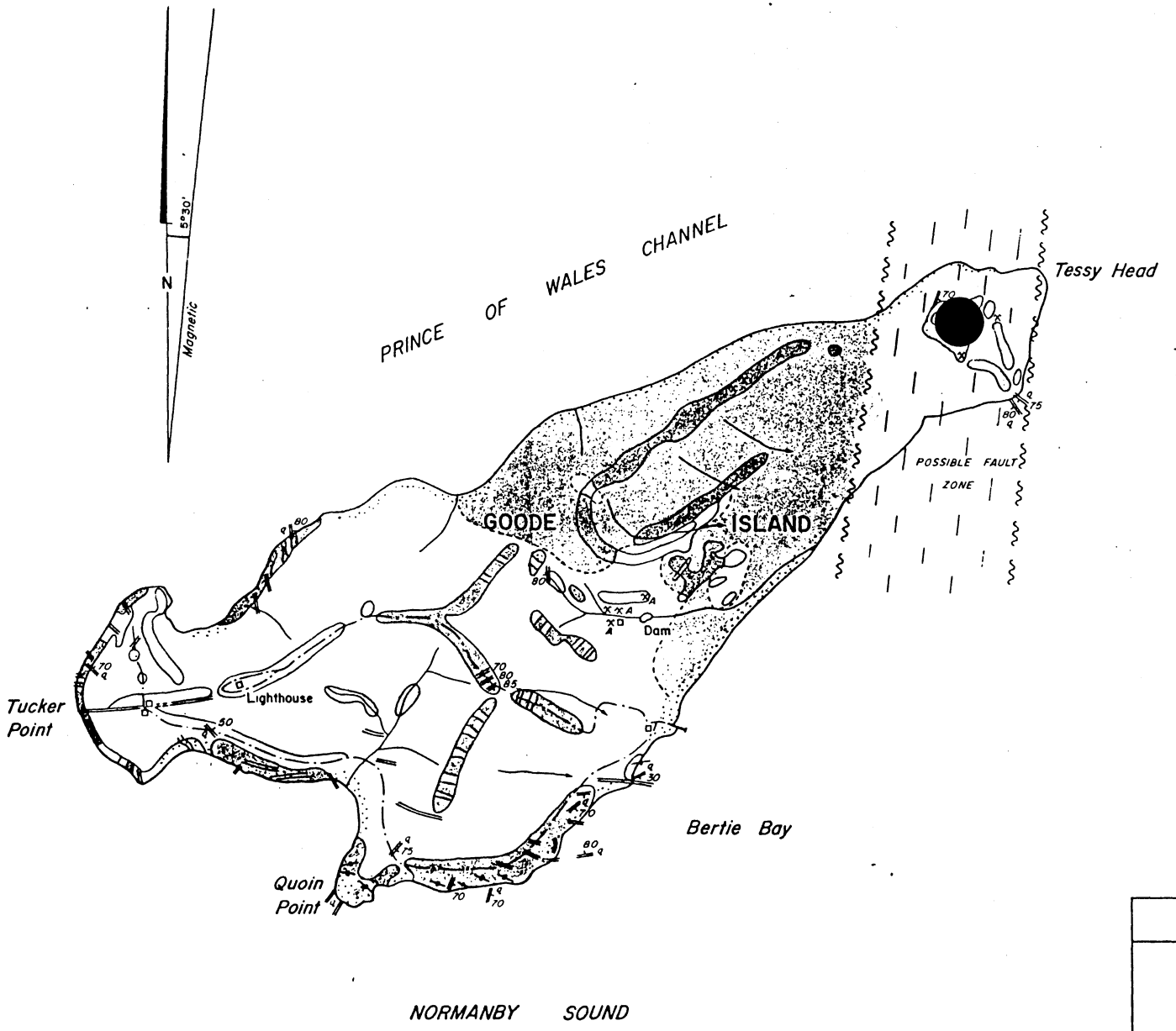
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS:

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #DDOnly locality (mine workings symbol) on Map (Plate 20), CR 3145. #M1A general imformation concerning Goode Island comes from the summary of CR 3145, p.1: "weak and patchy mineralisation is to be found thoughout the islands with the best occurrences on Goode Island and Hammond Island."

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);



LEGEND

- Boundary of Authority to Prospect – Coastline
- Track
- Building
- Stream
- Sand Beach
- Dacite, rhyo-dacite (Ignimbrite) – Fresh
- " " " – Stock-worked (barren)
- " " " – Stock worked (sulphides)
- " " " – Stock-worked (sulphides with visible copper)
- Epidote rock (silicified, strongly sheared, metamorphosed
- Outcrop area inspected
- Joints, Dykes (usually rhyolite with some pyrite)
- Quartz veins
- Pit, Alluvial workings
- Interpreted geological Boundary

PLATE 20

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580 M
TORRES STRAIT ISLANDS - QLD.
GOODE ISLAND
GEOLOGICAL MAP

SCALE
1100 550 0 1100 2200 Feet

DATE: JANUARY, '70	GEOLOGY: D. Richards	DRAWN: N.W.R
APPROVED: S. Roderick	DRAWING No 114-C-204	

C/R 3145

DATA SHEET 285

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER:** 280327

COMMODITIES ....: GOLD?
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 19/12/89
METHOD OF WORKING..: 1 Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 628000 mE, 8832750 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 20: Goode Island. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: GOODE ISLAND

GENERAL AREA.: NE Tip of GOODE ISLAND
LOCALITY.....: 100m E of Tessy Head

LOCALITY ACC.: CR 3145/Plate 20/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: GOODES ISLAND IGNIMBRITE
HOST ROCK TYPE: Ignimbrite (dacite, rhyodacite and dellenite welded tuff)
HOST ROCK AGE : Late Carboniferous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....:
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU?
SECONDARY MINERALS:
GANGUE .....: **ORE GRAIN SIZE..:**

ORE GENESIS:

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #DDOnly locality (mine workings symbol) on Map (Plate 20), CR 3145. #M1A general imformation concerning Goode Island comes from the summary of CR 3145, p.1: "weak and patchy mineralisation is to be found thoughout the islands with the best occurrences on Goode Island and Hammond Island."

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);

PLATE 10

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS – QLD.

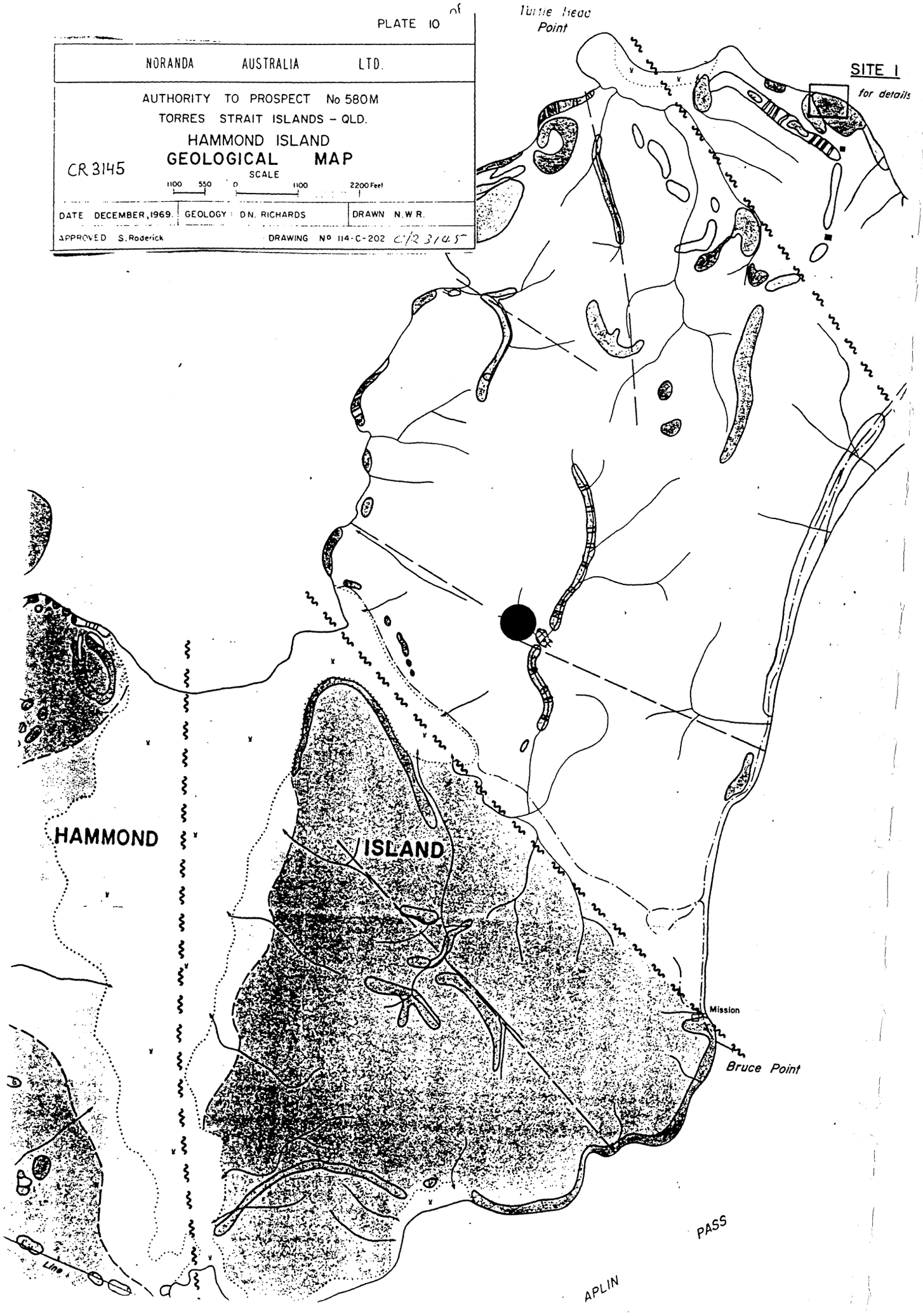
HAMMOND ISLAND GEOLOGICAL MAP

CR 3145

SCALE

1100 550 0 1100 2200 Feet

DATE DECEMBER, 1969.	GEOLOGY : D.N. RICHARDS	DRAWN N.W.R.
APPROVED S. Roderick	DRAWING No 114-C-202 C/R 3145	



DATA SHEET 286

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:327342

COMMODITIES ....: GOLD
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 07/12/89
METHOD OF WORKING..: Pit(s), Trench(es).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 632700 mE, 8834200 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: HAMMOND ISLAND
LOCALITY.....: 2.2km NNW of Bruce Point

LOCALITY ACC.: CR 3145/ Plates 10-15/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1907-1909
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl, 5, [Cu,Pb,Zn,Ag,Au,(Mo)],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: TORRES STRAIT VOLCANICS
HOST ROCK TYPE: Ignimbrites.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 30.0m min.long x 3.3m min.vert.depth..

FORM/TYPE .....: Veins, Stockwork.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Other-see Remarks.

ORE MINERALOGY.

PRIMARY MINERALS : ASPY,(AU).
SECONDARY MINERALS:
GANGUE .....: Q.

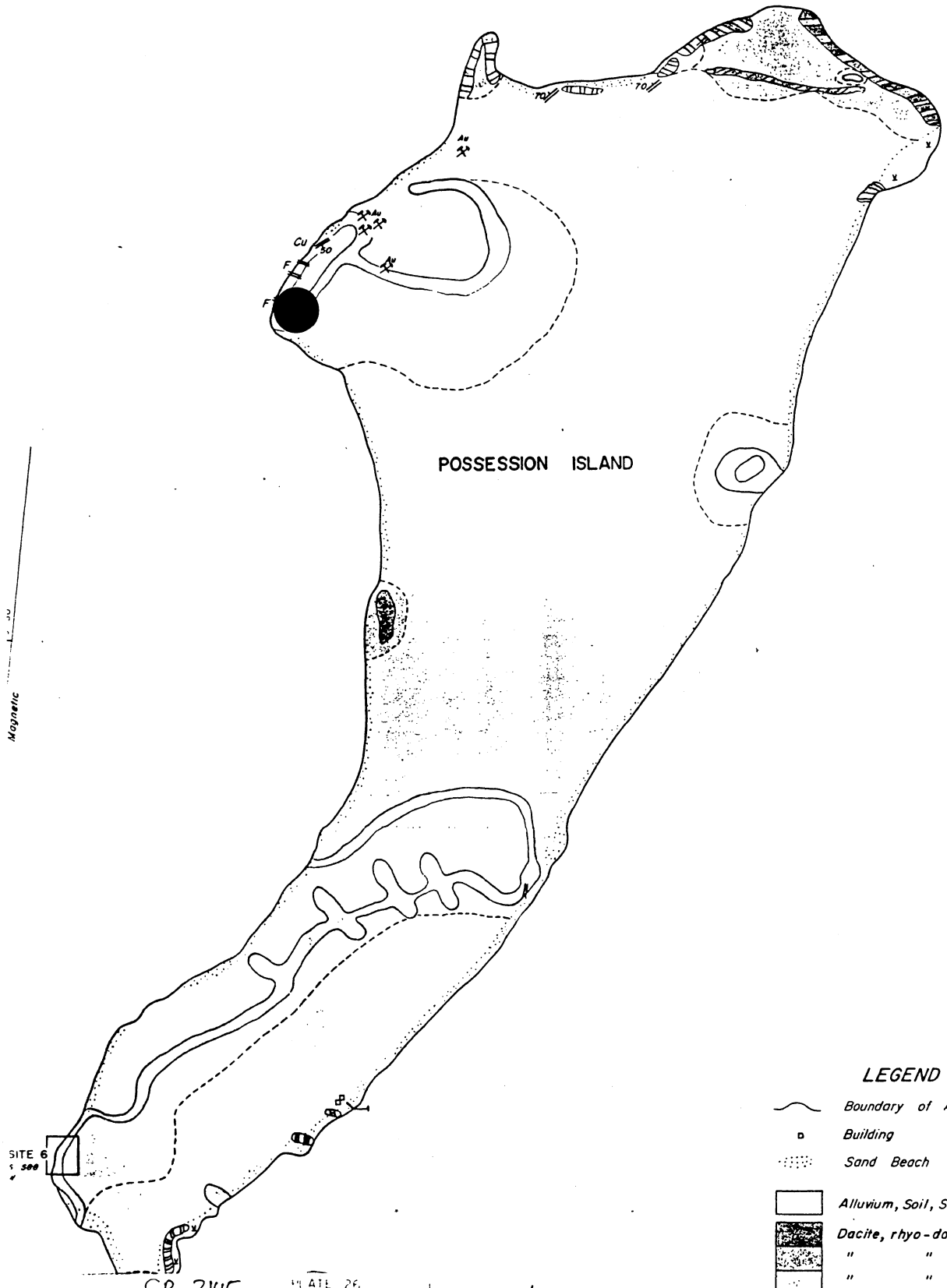
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Altered and stockworked volcanics with small quartz veins and arsenopyrite.

REMARKS....: #ALAltered and stockworked ignimbrites, which have been fractured in varying degrees and kaolinised, chloritized and sericitized. #M1300 samples have been taken from the whole Thursday Island region.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);



CR 3145

PLATE 26.

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS - QLD

POSSESSION ISLAND

GEOLOGICAL MAP

SCALE

1000 500 0 1000 2000 Feet

JANUARY '75 Richards DRAWN N.W.R.

S.R. Slater DRAWING No.

DATA SHEET 287

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 520146

COMMODITIES ....: FLUORITE
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 08/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652000 mE, 8814600 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map
MINING TENURE.....:

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW Possesion Island.
LOCALITY.....: NW coastline.

LOCALITY ACC.: CR 3145/ 100m//Topo. Map No.7376/ 100m

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite.
HOST ROCK AGE : Late Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 0.1m av.wide . FRACTURE; Strike 090deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : FL.
SECONDARY MINERALS:
GANGUE .....:

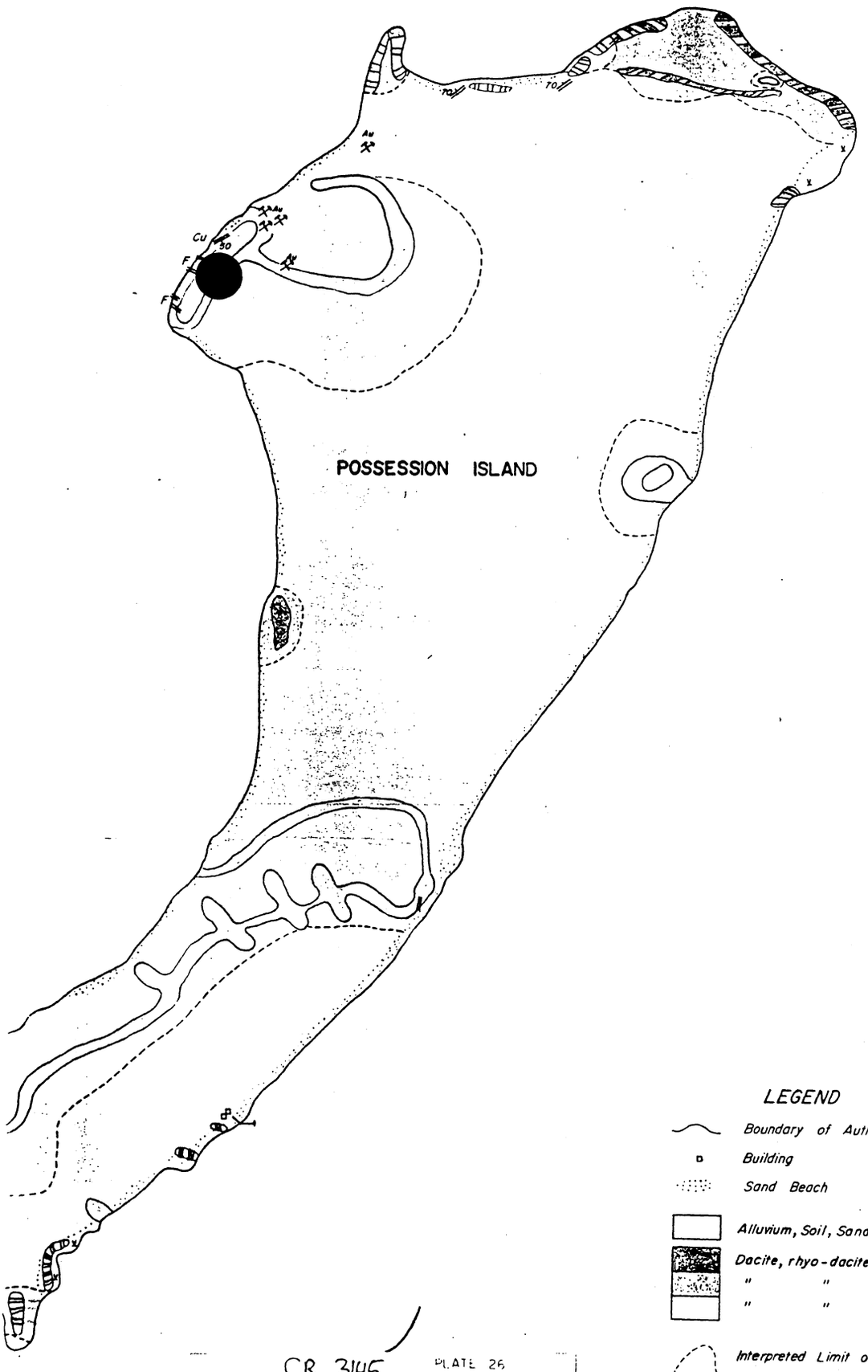
ORE TEXTURES....: Massive.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Veinlets of flourite (hydrothermal?).

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);



LEGEND

- Boundary of Authority to Prospect - Coastline
- Building
- Sand Beach
- Alluvium, Soil, Sand
- Dacite, rhyo-dacite (Ignimbrite)- Fresh
- " " " - Stock-worked (barren)
- " " " - Stock-worked (silphu)
- Interpreted Limit of Outcrop
- Outcrop area inserted
- Au Fit
- TQ Quartz vein (dip indicated)
- Au Gold
- F Fluorite
- Cu Copper

CR 3145

PLATE 26

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS - QLD

POSSESSION ISLAND

GEOLOGICAL MAP

SCALE

DATE JANUARY 85 | GEOLOGY D Richards | DRAWN N W R

SIT

Scale 1 in

DATA SHEET 288

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed **REFERENCE NUMBER: 520147**

COMMODITIES ....: FLUORITE
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 07/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652050 mE, 8814750 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW Possesion Island.
LOCALITY.....: NW coastline.

LOCALITY ACC.: CR 3145/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite.
HOST ROCK AGE : Late Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 0.1m av.wide . FRACTURE; Strike 090deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : FL.
SECONDARY MINERALS:
GANGUE .....:

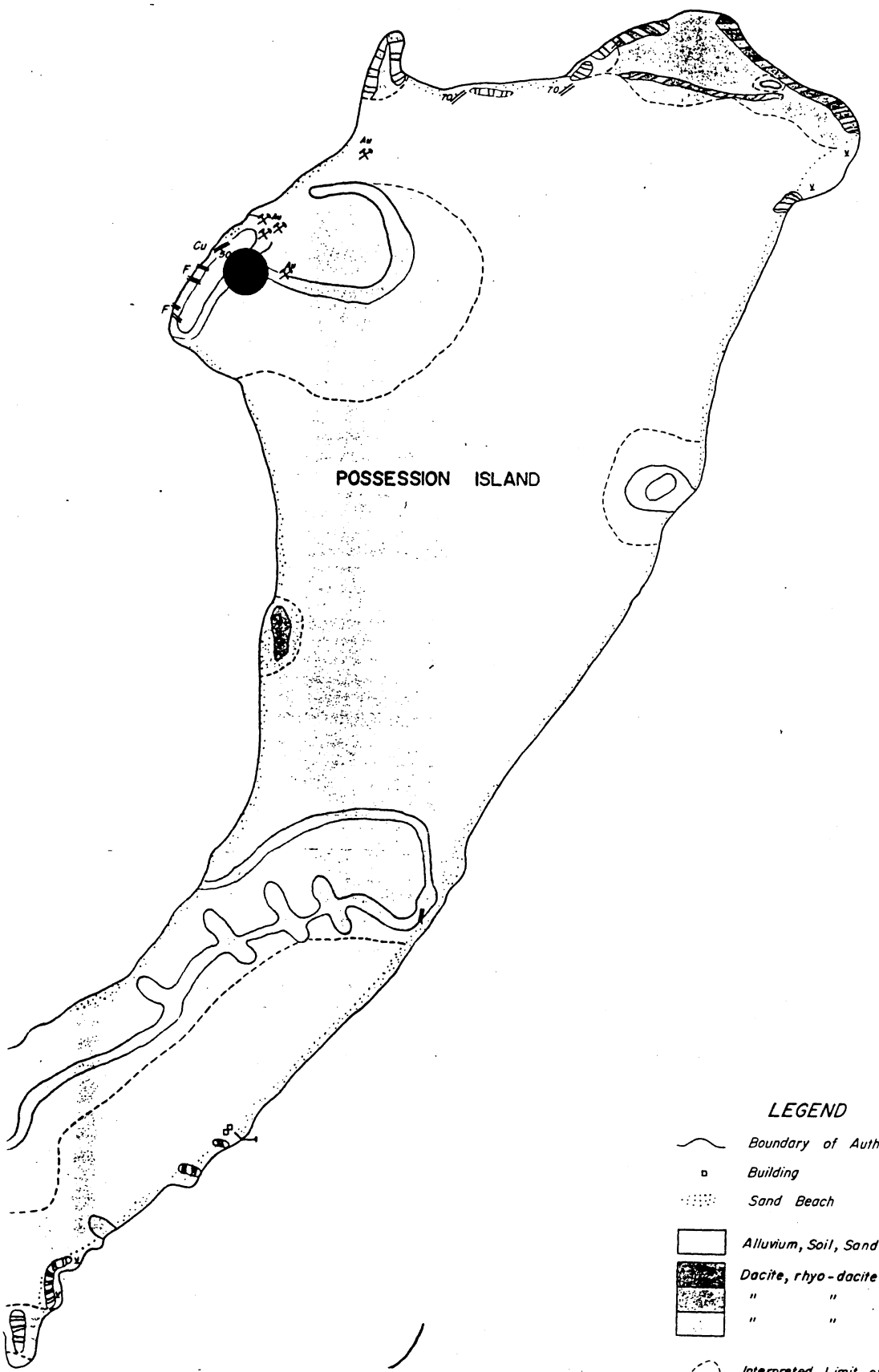
ORE TEXTURES....: Massive.

ORE GRAIN SIZE..: Fine

ORE GENESIS: Veinlets of flourite (hydrothermal?).

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);



LEGEND

- Boundary of Authority to Prospect - Coastline
- Building
- Sand Beach
- Alluvium, Soil, Sand
- Dacite, rhyo-dacite (Ignimbrite) - Fresh
- " " " - Stock-worked (barren)
- " " " - Stock-worked (silph
- Interpreted Limit of Outcrop
- Outcrop area inspected
- Au Pit
- Quartz vein (dip indicated)
- Au Gold
- F Fluorite
- Cu Copper

CR 3145

PLATE 2C

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS - QLD

POSSESSION ISLAND

GEOLOGICAL MAP

SCALE

SIT

Scale 1 in

DRAWN

DATA SHEET 289

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:521148

COMMODITIES ....: COPPER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 08/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652100 mE, 8814850 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW POSSESION ISLAND
LOCALITY.....: NW coastline/ 500m W of Control point 56
LOCALITY ACC.: CR 3145/Plate 26/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite (dacite, rhyodacite and dellenite welded tuff)
HOST ROCK AGE : Late Carboniferous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 0.2m min.wide . FRACTURE; Strike 090deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture.

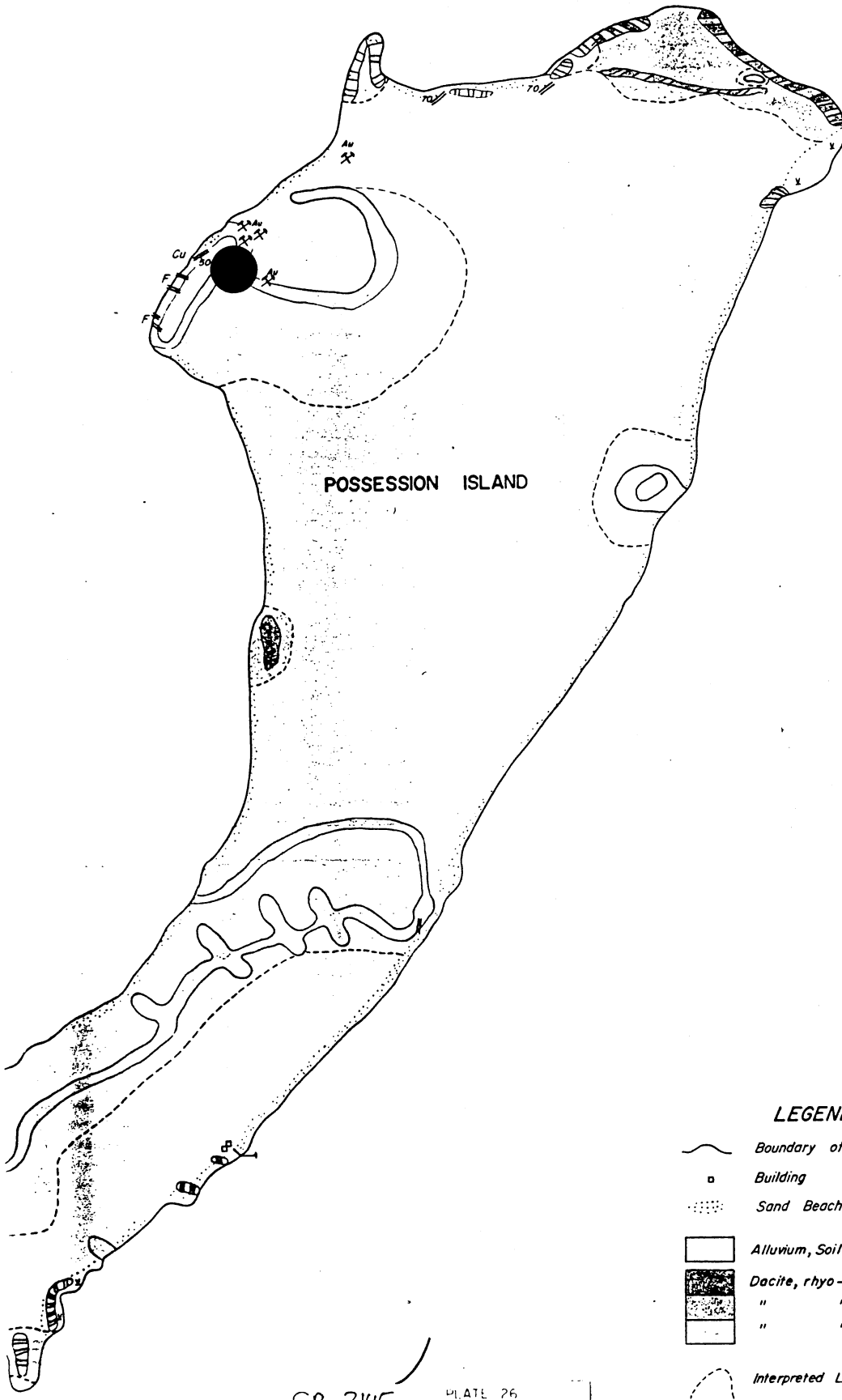
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification.

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : CPY, PY, GAL, SPL.
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS) **ORE GRAIN SIZE..:**

ORE GENESIS: Siliceous dyke with stockwork alteration with sulphide mineralisation.

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #DDA 20 cm wide dark coloured siliceous dyke, located on the shore 300 m SW of the Au-mine with REF.No. 522149. #MNStriking approximately E-W and carrying CPY, PY, GAL, SPL. #M1Geochemical results on Cu around 300 to 1900 ppm Cu. Rock chip samples show anomalous Cu, Pb, Zn and Ag! Averaging Au content around 2200 ppb (1, p.20).

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);



LEGEND

- Boundary of Authority to Prospect - Coastline
- Building
- Sand Beach
- Alluvium, Soil, Sand
- Dacite, rhyo-dacite (Ignimbrite) - Fresh
- " " " - Stock-worked (barren)
- " " " - Stock-worked (sulphi
- Interpreted Limit of Outcrop
- Outcrop area inspected
- Au Pit
- Quartz vein (dip indicated)
- Au Gold
- F Fluorite
- Cu Copper

CR 3145

PLATE 26

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS - QLD

POSSESSION ISLAND

GEOLOGICAL MAP

SCALE

DRAWN N.W.R.

SIT

Scale 1 in

DATA SHEET 290

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 521149

COMMODITIES ....: COPPER
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 08/12/89
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652100 mE, 8814900 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW POSSESION ISLAND
LOCALITY.....: NW coastline/ ~400m W of Contr olpoint 56
LOCALITY ACC.: CR 3145/Plate 26/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite (dacite, rhyodacite and dellenite welded tuff)
HOST ROCK AGE : Late Carboniferous
MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 3.0m min.wide . FRACTURE+BRECCI; Strike 090deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Silicification.

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: MAL, AZ.
GANGUE .....: Q (SILICEOUS)

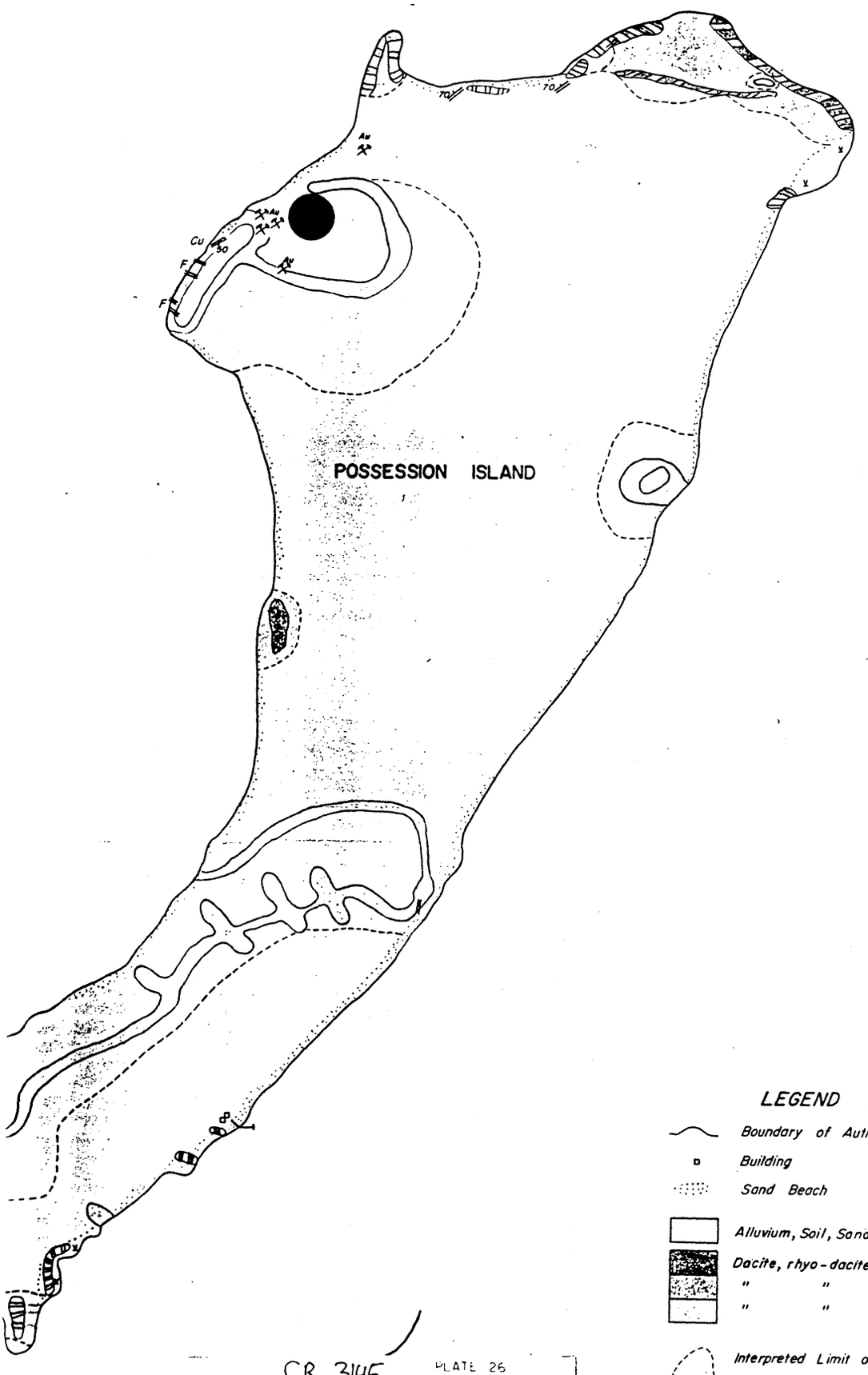
ORE TEXTURES....:

ORE GRAIN SIZE..:

ORE GENESIS: Siliceous brecciated zone stained with MAL (3m wide).

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #DDLocality is 170 m of REF.no: 521148; #CMAll visible occurrances of copper are located at, or near the high water mark of the island coast. #M1Rock chip samples show anomalous Cu, Pb, Zn and Ag! (1,p.20). #DDA further occurrance is noted to be at the N tip of the island (?). No nearer location is precable. #M1Geochemistry results on copper around 300 to 1900 ppm Cu. Averaging Ag content around 2200 ppb (1)
.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);



LEGEND

- Boundary of Authority to Prospect - Coastline
- Building
- Sand Beach
- Alluvium, Soil, Sand
- Dacite, rhyo-dacite (Ignimbrite) - Fresh
- " " " - Stock-worked (barren)
- " " " - Stock-worked (sulphides)
- Interpreted Limit of Outcrop
- Outcrop area inspected
- Au Pit
- Quartz vein (dip indicated)
- Au Gold
- F Fluorite
- Cu Copper

CR 3145

PLATE 26

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS - QLD

POSSESSION ISLAND

GEOLOGICAL MAP

SCALE

DRAWN: N.W.R.

SIT

Scale 1 in

DATA SHEET 291

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:522149

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 07/12/89
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652250 mE, 8814900 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW POSSESION ISLAND
LOCALITY.....: NW coastline/ 350m NW of Contr olpoint 56
LOCALITY ACC.: CR 3145/Plate 26/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1897-1907
TOTAL PRODUCTION (ORE) : 4124t ,
TOTAL PRODUCTION (METAL):113.4kg Au, (NORANDA AUSTRALIA LTD,1970).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite.
HOST ROCK AGE : Late Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 60.0m max.vert.depth.. OREBODY (REEF); Strike 160deg/Unknown dip.

FORM/TYPE .....: Veins, Stockwork, Disseminated.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic, Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : PY, (AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS)

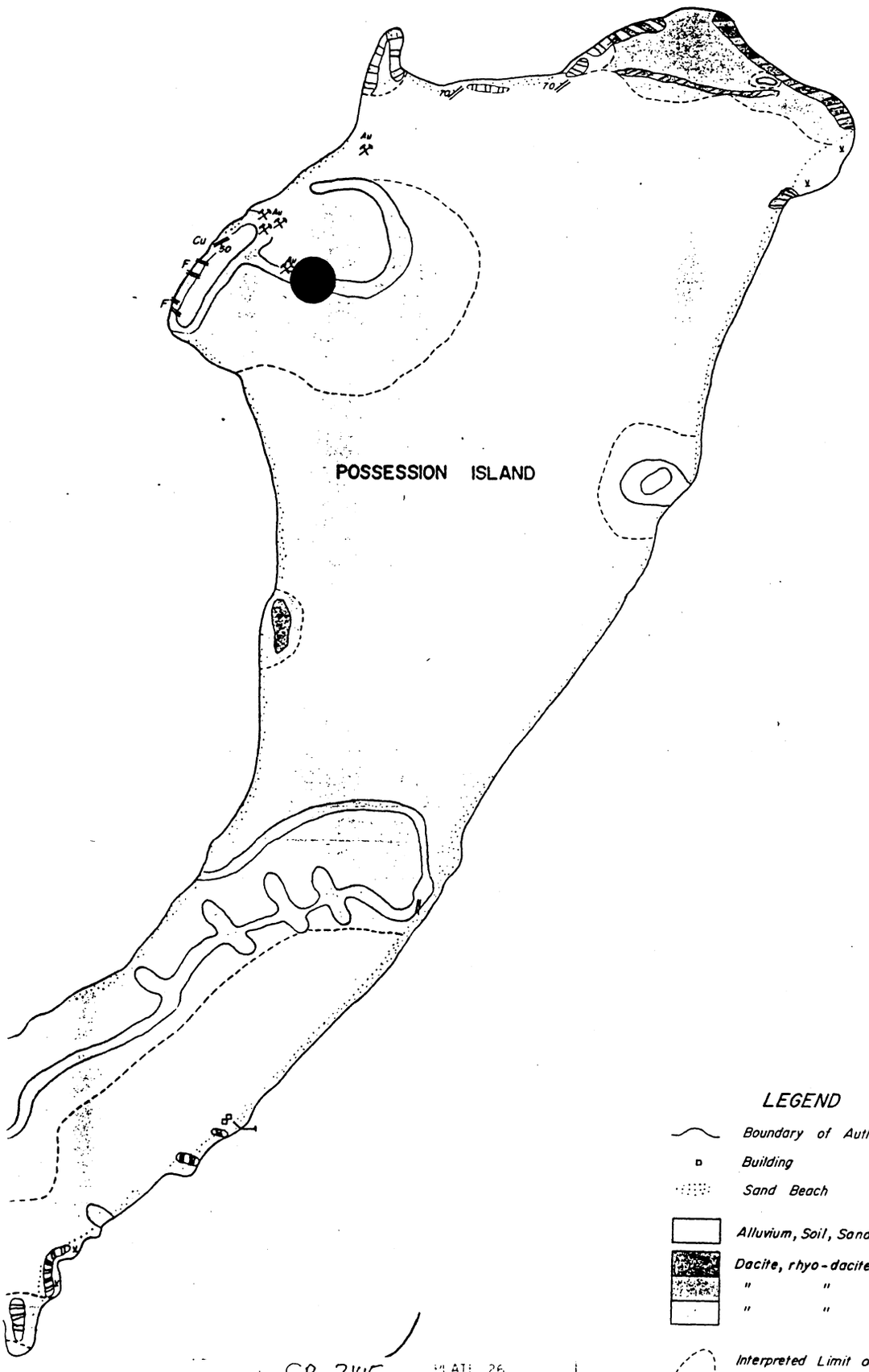
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine

ORE GENESIS: Altered and stockworked volcanics with sulphide mineralisation (PY) and Q-veins.

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #ALAlteration: chloritized and seritized and stockworked, with the introduction of sulphide along fractures. Amount of sulphide ranges from nil to 10 or 15% (average 1%). In the vicinity of the old workings the rock is more highly altered than usual = ground mass is reduced to KAO. #MNVery finely stockworked with PY filling fissures and, to a small extend, disseminated (1, p.19). Two vertical reefs, 240 m apart. #DDPossesion Island now is a National Park area (2). Mines worked at the same time: see Ref.No. 524148 and 526151.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);Connell Wagner(1989);



CR 3145

PLATE 26

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M
TORRES STRAIT ISLANDS - QLD
POSSESSION ISLAND
GEOLOGICAL MAP

SCALE

1000 500 0 1000 2000 feet

DRAWN N.W.R

SIT
Scale 1 in

LEGEND

- Boundary of Authority to Prospect - Coastline
- Building
- Sand Beach
- Alluvium, Soil, Sand
- Dacite, rhyo-dacite (Ignimbrite)- Fresh
- " " " - Stock-worked (barren)
- " " " - Stock-worked (silp[illegible]s.
- Interpreted Limit of Outcrop
- Outcrop area inspected
- Au Fit
- TQ Quartz vein (dip indicated)
- Au Gold
- F Fluorite
- Cu Copper

DATA SHEET 292

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 524148

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 08/12/89
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652400 mE, 8814800 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW POSSESION ISLAND
LOCALITY.....: NW coastline/ 100m W of Control point 56
LOCALITY ACC.: CR 3145/Plate 26/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1897-1907
TOTAL PRODUCTION (ORE) : 4124t ,
TOTAL PRODUCTION (METAL):113.4kg Au, (NORANDA AUSTRALIA LTD,1970).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite.
HOST ROCK AGE : Late Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 60.0m max.vert.depth.. OREBODY (REEF); Strike 160deg/Unknown dip.

FORM/TYPE .....: Veins, Stockwork, Disseminated.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Sericitic, Silicification.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : PY, (AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS)

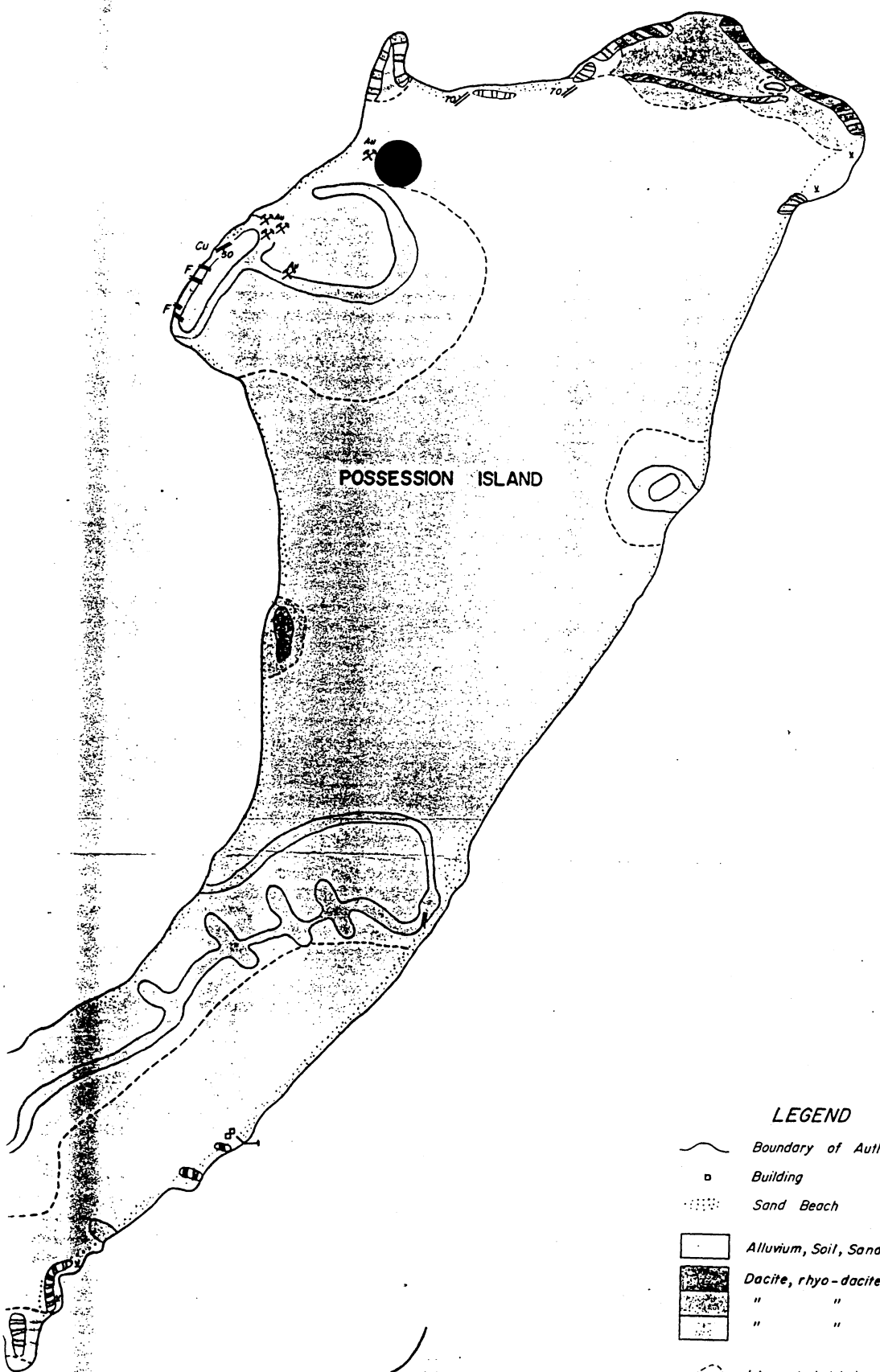
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine

ORE GENESIS: Altered and stockworked volcanics with sulphide mineralisation (PY) and Q-veins.

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #ALAlteration: chloritized and seritized and stockworked, with the introduction of sulphide along fractures. Amount of sulphide ranges from nil to 10 or 15% (average 1%). In the vicinity of the old workings the rock is more highly altered than usual = ground mass is reduced to KAO. #MNVery finely stockworked with PY filling fissures and, to a small extend, disseminated (1, p.19). Two vertical reefs, 240 m apart. #DDPossesion Island now isa National Park area (2). Mines worked at the same time: see Ref.No. 522149 and 526151.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);Connell Wagner(1989);



LEGEND

- Boundary of Authority to Prospect - Coastline
- Building
- Sand Beach
- Alluvium, Soil, Sand
- Dacite, rhyo-dacite (Ignimbrite)- Fresh
- " " " - Stock-worked (barren)
- " " " - Stock-worked (sulphide)
- Interpreted Limit of Outcrop
- Outcrop area inspected
- Au Pit
- Qz Quartz vein (dip indicated)
- Au Gold
- F Fluorite
- Cu Copper

CR 3145

PLATE 26

NORANDA AUSTRALIA LTD.

AUTHORITY TO PROSPECT No 580M

TORRES STRAIT ISLANDS - QLD

POSSESSION ISLAND

GEOLOGICAL MAP

SCALE

1100 500 0 1100 2200 feet

DATE JANUARY 76 | GEOLOGY D Richards | DRAWN N W R

DRAWING No

SIT

Scale 1 in

DATA SHEET 293

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 526151

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 08/12/89
METHOD OF WORKING..: Pit(s).
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 652600 mE, 8815150 mN.
AMG SOURCE/ACCURACY: CR 3145/ 100m/Plate 26: Possesion Isl. Geol. Map

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....: POSSESION ISLAN

GENERAL AREA.: NW POSSESION ISLAND
LOCALITY.....: NW coastline/ rolpoint 56

LOCALITY ACC.: CR 3145/Plate 26/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1897-1907
TOTAL PRODUCTION (ORE) : 4124t ,
TOTAL PRODUCTION (METAL):113.4kg Au, (NORANDA AUSTRALIA LTD,1970).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:NORANDA AUSTRALIA LTD; AP 580M; 1970; BCbdl,5, [Cu,Zn,Pb,Ag,Au],-

TECHNIQUES USED ...: Geology,Geochemistry,Drilling

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrite.
HOST ROCK AGE : Late Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 60.0m max.vert.depth.. OREBODY (REEF); Strike 160deg/Unknown dip.

FORM/TYPE .....: Veins, Stockwork, Disseminated.
STRUCTURAL AFFILIATIONS..... : Fracture.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

WALL ROCK ALTERATIONS .....: Sericitic, Silicification.

ORE MINERALOGY.

PRIMARY MINERALS : PY, (AU).
SECONDARY MINERALS:
GANGUE .....: Q (SILICEOUS)

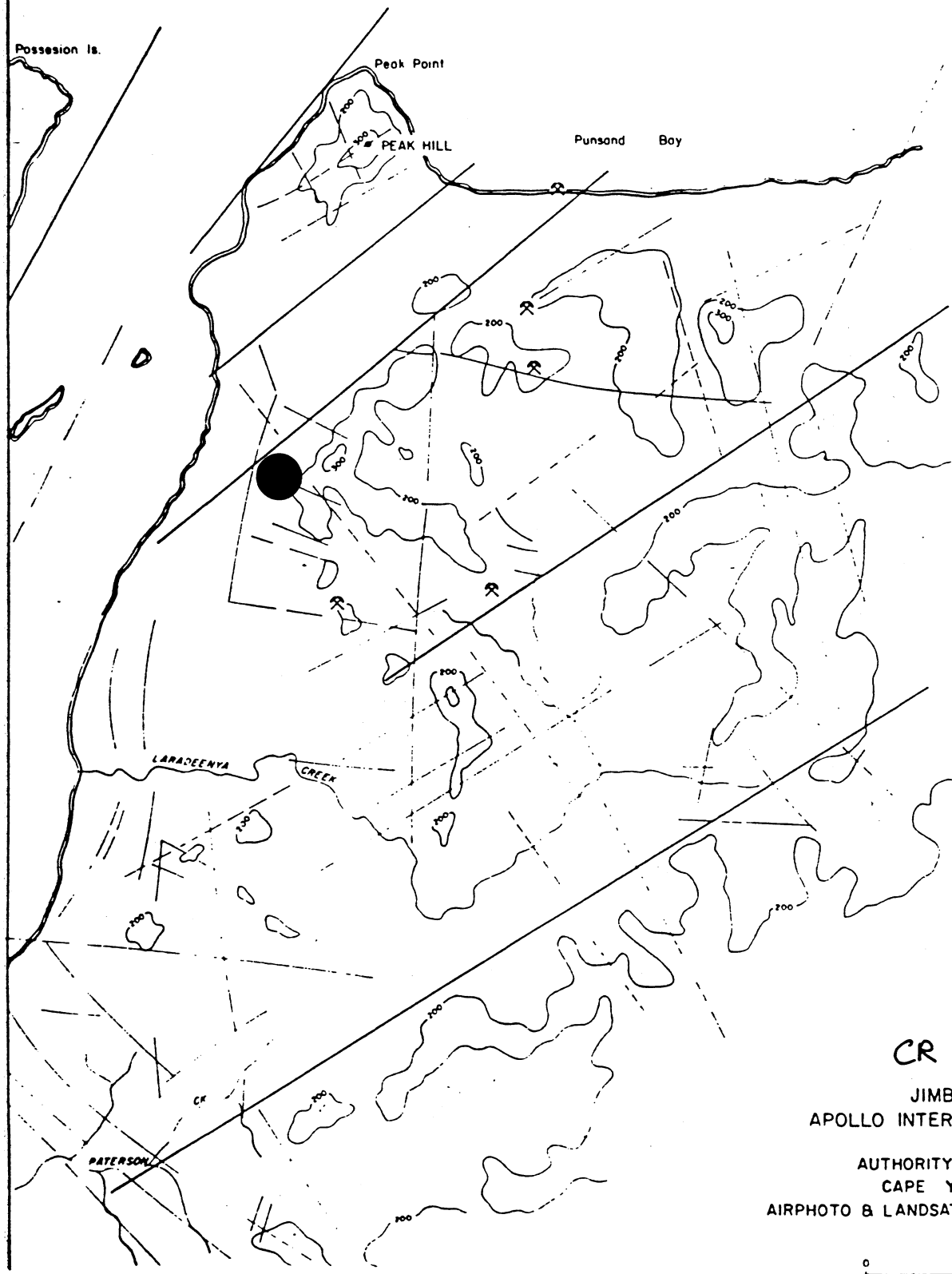
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine

ORE GENESIS: Altered and stockworked volcanics with sulphide mineralisation (PY) and Q-veins.

REMARKS....: #M1300 samples have been taken in the whole Thursday Island area. #ALAlteration: chloritized and seritized and stockworked, with the introduction of sulphide along fractures. Amount of sulphide ranges from nil to 10 or 15% (average 1%). In the vicinity of the old workings the rock is more highly altered than usual = ground mass is reduced to KAO. #MNVery finely stockworked with PY filling fissures and, to a small extend, disseminated (1, p.19). Two vertical reefs, 240 m apart. #DDPossesion Island now isa National Park area (2). Mines worked at the same time: see Ref.No. 524148 and 522149.

REFERENCES.: NORANDA AUSTRALIA LTD(1970, QDRI unpublished company report CR 3145);Connell Wagner(1989);



CR 11394

JIMBILLY PTY. LTD.
APOLLO INTERNATIONAL MINERALS

AUTHORITY TO PROSPECT 2141M
CAPE YORK TIN PROSPECT
AIRPHOTO & LANDSAT LINEAMENT INTERPRE

SCALE 1 50,000
0 1 2 3 km

DATA SHEET 294

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (1,2 + 3 Mile Flats) (Page 1 of 2) **REFERENCE NUMBER:** 565115A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 656500 mE, 8811500 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 3.5km SSW PEAK HILL
LOCALITY.....: 1.7km SW of Point 115

LOCALITY ACC.: CR 11394/Plan Fig 7/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrites (partly altered); welded tuffs.
HOST ROCK AGE : Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: JOINTS; Strike 060deg/Unknown dip. JOINTS; Strike 140deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
OXIDATION DEPTH(m):
LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Silicification, Other-see Remarks.

ORE MINERALOGY.

PRIMARY MINERALS : CST, (PY),(CPY),(ASPY).
SECONDARY MINERALS: LIM, JAR.
GANGUE .....: Q,(TOU),(FL).

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Vein mineralisation.

REMARKS....: #MNKnowm primary min. of potential economic interest is restricted to tin as CST. During processing of alluvial samples rare observations of Au and MOLY flakes reported (1). #CMTin min. is assoc. with Q-veining, silicified joints and fractures and locally encrusts joints and fractures. Tin is fine grained (<1mm). Tin occurrances are confined to the rhyodacite units, which are highly sericitised, with or without clay alteration and occupy jointing and fractures parallel or complementary to the major regional structural lineaments. Joint plans commonly horizontal. Means of introduction of tin min. uncertain. #GMSuggestion: Badu Granite(?) may have intruded the acid volcanic pile, causing varying degrees of alteration and introd. Q, sulphides and CST (3)

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

NAME(S).....: _Unnamed (1,2 + 3 Mile Flats) (Page 2 of 2)

REFERENCE NUMBER:565115B

MINERAL EXPLORATION CONTINUED.:

JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni,Ta,Th, V,W,Zn,Ag,As,Pb,Sn],-;

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#ALSericite and Q-alteration are common to high and low tin geochemistry and are associated with any of chloritisation, topazisation, Q-veining and brecciation and minor JAR and/or LIM after sulphides. Less common products of alteration are EPD, CHL, Argillite and TPZ. Rocks here show very strong SER and Q-alteration with minor sulphides and occ. CHL alt. Recorded elevated levels of Cu,Zn, W and additionally Pb! (2). #M1Elluvial tin present down slope from Mullhollands Lode (6). #ALAlteration degrees: Fresh rhyolite-clay/SER-high SER-mod.SER-greisen alt.-Q-TPZ rock.(3,p.5).

REFERENCES CONTINUED.:

JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 1 of 2)

REFERENCE NUMBER: 585134A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 658500 mE, 8813400 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 2.0km SE PEAK HILL
LOCALITY.....: 1.3km SE of Battery Point

LOCALITY ACC.: CR 11394/Plan Fig 7/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: ENDEAVOUR STRAIT IGNIMBRITE
HOST ROCK TYPE: Ignimbrites (partly altered); welded tuffs.
HOST ROCK AGE :

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: JOINTS; Strike 060deg/Unknown dip. JOINTS; Strike 140deg/Unknown dip.

FORM/TYPE .....: Veins.
STRUCTURAL AFFILIATIONS..... : Fracture, Fault, Shear.

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Argillic, Sericitic, Silicification, Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS : CST, (PY),(CPY),(ASPY).
SECONDARY MINERALS: LIM, JAR.
GANGUE .....: Q,(TOU),(FL).

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Vein mineralisation.

REMARKS....: #MNKnowm primary min. of potential economic interest is restricted to tin as CST. During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). #CMTin min. is assoc. with Q-veining, silicified joints and fractures and locally encrusts joints and fractures. Tin is fine grained (<1mm). Tin occurrances are confined to the rhyodacite units, which are highly sericitised, with or without clay alteration and occupy jointing and fractures parallel or complementary to the major regional structural lineaments. Joint plans commonly horizontal. Means of introduction of tin min. uncertain. #GMSuggestion: Badu Granite may have intruded the acid volcanic pile, causing varying degrees of alteration and introd. Q, sulphides and CST (3

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;

NAME(S).....: _Unnamed (Page 2 of 2)

REFERENCE NUMBER:585134B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#ALSericite and Q-alteration are common to high and low tin geochemistry and are associated with any of chloritisation, topazisation, Q-veining and brecciation and minor JAR and/or LIM after sulphides. Less common products of alteration are EPD, CHL, Argillite and TPZ. Rocks here show very strong SER and Q-alteration with minor sulphides and occ. CHL alt. Recorded elevated levels of Cu,Zn, W and additionally Pb! (2). #M1Elluvial tin present down slope from Mullhollands Lode (6). #ALAlteration degrees: Fresh rhyolite-clay/SER-high SER-mod.SER-greisen alt.-Q-TPZ rock.(3,p.5).

REFERENCES CONTINUED.:

DATA SHEET 298

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 1 of 2)

REFERENCE NUMBER: 592124A

COMMODITIES ....: TIN
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 16/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 659200 mE, 8812400 mN.
AMG SOURCE/ACCURACY: CR 11394/ 200m

1:250 000.....: THURSDAY ISLAND SC54-11
1:100 000.....: THURSDAY ISLAND 7376
MINING DISTRICT : THURSDAY ISLAND
MINING FIELD....:

GENERAL AREA.: 3.2km SE PEAK HILL
LOCALITY.....: 2.0km S of Battery Point/3.2km SE
LOCALITY ACC.: CR 11394/ 200m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: JIMBILLY PTY LTD; APOLLO INTERN.MINERALS N.L.; AP 2141M; 1982; CETabde, 3,[F,B,Co,Cu,Li,Mo,Ni, Ta,Th,V,W,Zn,Ag,As,Pb,Sn],-; CONSOLIDATED MING IND; AP 526M; 1970; ABaefhjkl, 0, -;

TECHNIQUES USED ...: Geology,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CAPE YORK ORIOMO INLIER
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Quartztose sands;/older beach ridges.
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 25.0m max.vert.depth..

FORM/TYPE .....: Placer, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, (ZR),(IM),(MT),(RUT).
SECONDARY MINERALS:
GANGUE .....: Q,TOU.

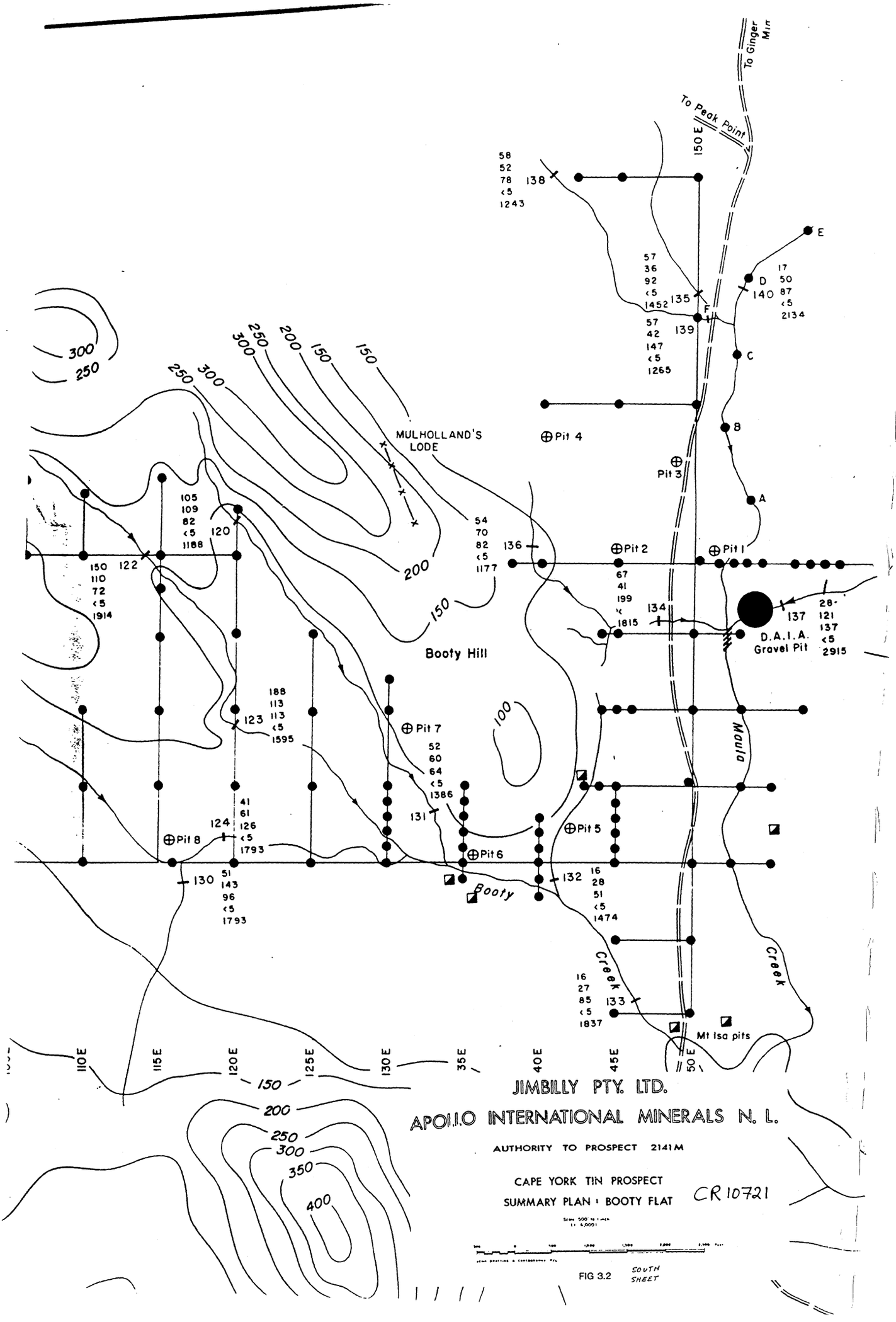
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Alluvial deposits-placers with heavy minerals and ferruginous nodules and acid volcanic pebbles to boulders.

REMARKS....: #MSRecent residual and poor to moderately sorted transported sand and silt formations occupy drainage areas between the Palaeozoic acid volcanics. The sediments are composed of sands, clays, ferruginous nodules and acid volcanic pebbles to boulders. Of potential economic significance, the sands and gravels contain the heavy mineral IM, ZR, RUT, CST + TOU as concentrated products of weathered volcanics and associated min.. The sediments range in depth from negligible to in excess of 25 m (S of Laradenya Creek). At each location the sands are known to carry CST (1). The alluvials occupy the low ground within and adjacent to BOOTY and MAULA Cr. with h.min. concentration resulting from the weathering of neighboring rhyolites and prim. tin occurrances.

REFERENCES.: JIMBILLY PTY LTD;APOLLO I.M.NL(1982, QDRI unpublished company report CR 11394);JIMBILLY PTY LTD; APOLLO I.M.NL(1982, QDRI unpublished company report CR 11076);JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 10721); JIMBILLY PTY LTD;APOLLO I.M.NL(1981, QDRI unpublished company report CR 9660);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8097);JIMBILLY PTY LTD;APOLLO I.M.NL(1980, QDRI unpublished company report CR 8409) ;CONSOLIDATED MINING



JIMBILLY PTY. LTD.

APOLLO INTERNATIONAL MINERALS N. L.

AUTHORITY TO PROSPECT 2141M

CAPE YORK TIN PROSPECT

SUMMARY PLAN : BOOTY FLAT

CR 10721

FIG 3.2 SOUTH SHEET

NAME(S).....: _Unnamed (Page 2 of 2)

REFERENCE NUMBER:592124B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#MSDepth to basement contours = uneven with local infilled gullys and gutters. Alluvial depths range from 1-7 m (average 2.3m). Tin is present over the full vertical alluvial profile (discounts presence of "overburden"). Lateral sampling demonstrates higher tin grades within today creeks as a result of reconcentration within the drainage system (1,2). During processing of alluvial samples rare observations of Au and MOLY flakes were reported (1). Estuary, coastal and beach sands are present near the foreshore Punsand Bay carrying CST (1). Here the insitu attitudes of this occurrence is confused by the presence of coarse float and scree (1).

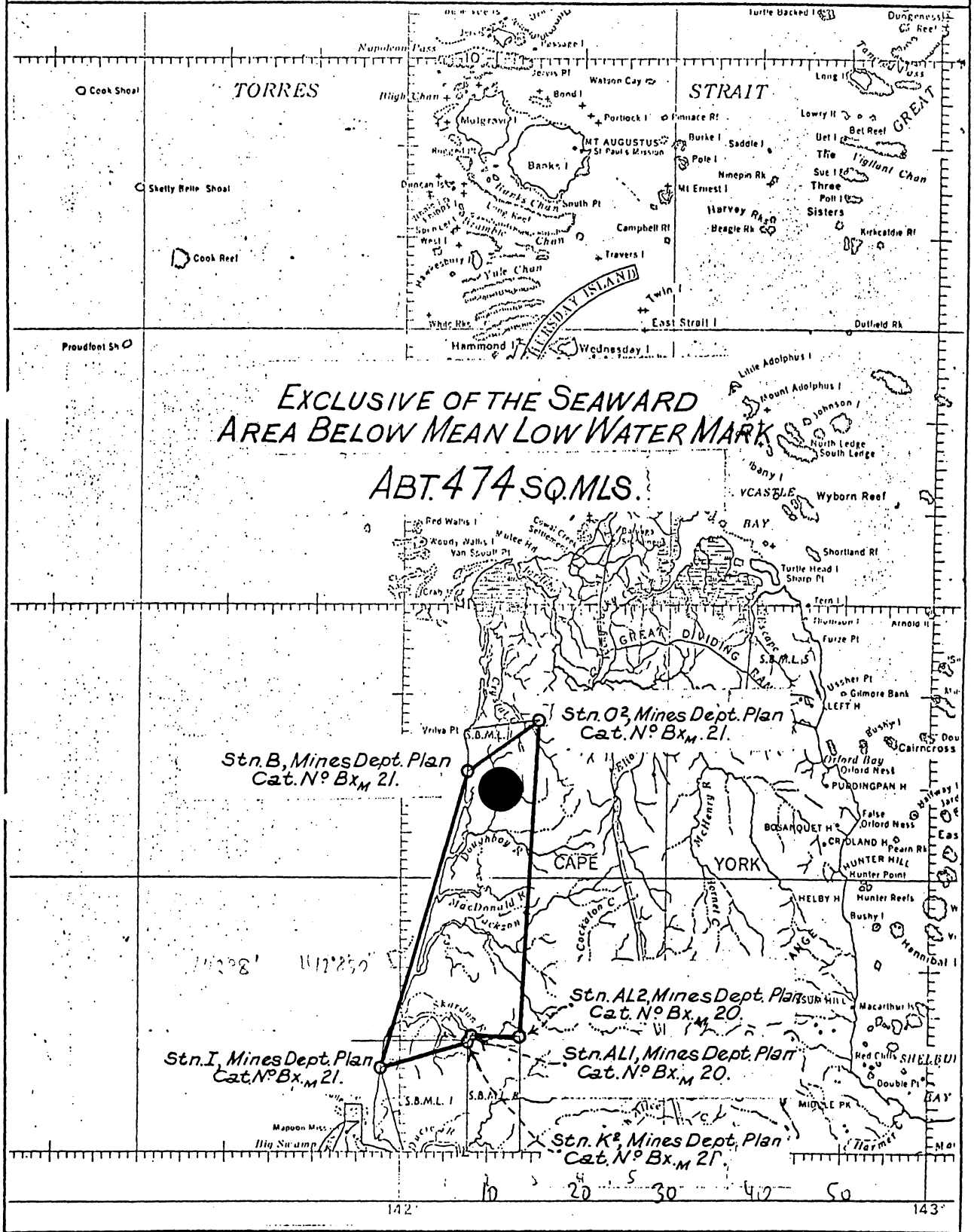
REFERENCES CONTINUED.:

DEPARTMENT OF MINES, QUEENSLAND

COUNTIES OF *JARDINE & SOMERSET.*

PARISHES OF *BURDETT, COLLET, DUCKETT, DURAND, SKARDON & VRILYA.*

CR ~~4107~~ —— *NOT TO SCALE* —— TP URILYA + SKARDON R. 7374



EXCLUSIVE OF THE SEAWARD AREA BELOW MEAN LOW WATER MARK

ABT. 474 SQ. MLS.

The actual boundaries on the ground shall be those marked by an authorised surveyor in accordance with this diagram and the requirements of the Authority to Prospect. The boundaries are shown in relation to the points marked O. There is no warranty that the boundaries are correctly shown in relation to other features on the map. 'T indicates initial true bearing.

AUTHORITY TO PROSPECT No. 827M.

WARDEN *THURSDAY ISLAND.*

INSPECTORS DIVISION *NORTHERN.*

Locality: *MacDonald River.*

L. Sinclair 14. 4. 70
Draftsman in Charge

REFERENCE MAP 4M. 124 & 125

PLAN No AM 1227

DATA SHEET 300

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 330480

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 28/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 633000 mE, 8748000 mN.
AMG SOURCE/ACCURACY: CR 9488/ Figure 2/ 500m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: VRILYA POINT 7375
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast, Gulf of Carpentaria
LOCALITY.....: 15km SE Vrilya Point (centre of AP 827M)
LOCALITY ACC.: CR 9488/Figure 2/ 500m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: KALDINA RESOURCES LTD(1987)indicated BX:70000000t @44.5%AlAl,KALDINA RESOURCES LTD(1987) possible BX:1010\8xt @44.5%AlAl,MAXIMAL MINING Co PTY LTD(1980)inferred BX:10430000t @40.0%AlAl,
COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:MAXIMAL MINING Co PTY LTD; AP 2894M/2895M; 1980; PACMINEX PTY LTD; AP 827M; 1971; ACIGTefl,3, weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Aluminous laterite including pisolitic bauxite.
HOST ROCK AGE : Cainozoic
MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 10.0m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:
OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GBS,BHM,GOET
GANGUE .....: Q,KAO,AMORPHUS SILICA

ORE TEXTURES....:

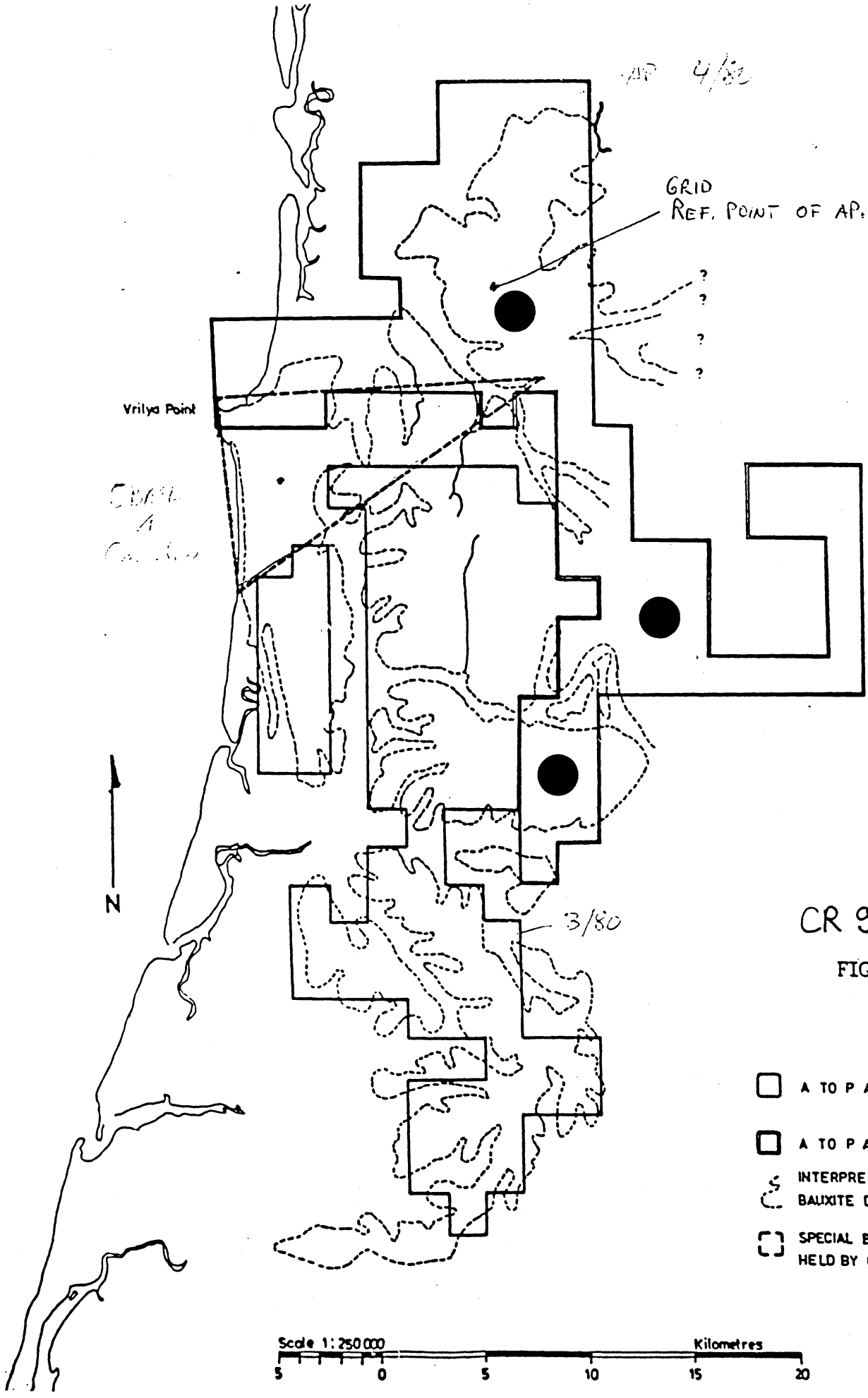
ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: deep weathered surface soils; pisolitic material (size:1-20mm in diameter), unconsolidated, fiable mixture of pisolites and sands. Mineralogy: mainly GBS, high in silica (Q, amorphus silica and KAO) (2).

REMARKS....: #DDArea included in this AP forms part of an extensive bauxite field, which extends along the west coast of Cape York Peninsula from just north of Vrilya Point southward to Archer Bay(1). #M1This deposit is made up of numerous, small scattered occurrences. Bauxite profile is thinly developed (av.thickness 1.4m,av. overburden 1.4m). #PRTotal drill-indicated resource: 70000000 t (44.5% total Al2O3, 7% reactive SiO2).#MNTypical Cape York Pen. mineralogy: Significant BHM in upper portion of BX profile, GBS in lower levels, and both total silica and reactive SiO2 are high. By removing fine KAO clay particules adhering to pisolites by means of wet sceening, the values of SiO2 can slightly be decreased(4). #GMBauxite min on top of the lateritic zone.

REFERENCES.: PACMINEX PTY LTD(1971, QDRI unpublished company report CR 4107);MAXIMAL MINING Co PTY LTD(1980, QDRI unpublished company report CR 9488);MAXIMAL MINING Co PTY LTD(1981, QDRI unpublished company report CR 9488); KALDINA RESOURCES LTD(1987, QDRI unpublished company report CR 16294);SHELL Co AUSTRALIA LTD(1982, QDRI unpublished company report CR 11130); SHELL Co AUSTRALIA LTD(1983, QDRI unpublished company report CR 11810);Wolff, Kevin W.(1990);

APPLICATIONS FOR AUTHORITIES TO PROPECT: VRILYA POINT, QUEENSLAND
MAXIMAL MINING CORPORATION PTY. LIMITED



CR 9488/

FIGURE 2

DATA SHEET 301

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed REFERENCE NUMBER:363643

COMMODITIES ....: ALUMINIUM
STATUS .....: Prospect
SIZE.....:
RECORDED BY/DATE: FVG 28/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 636300 mE, 8764300 mN.
AMG SOURCE/ACCURACY: CR 9488/ Figure 2/ 500m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: VRILYA POINT 7375
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast, Gulf of Carpentaria
LOCALITY.....: ENE Vrilya Point

LOCALITY ACC.: CR 9488/Figure 2/ 500m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: KALDINA RESOURCES LTD(1987)indicated BX:70000000t @44.5%AlAl,KALDINA RESOURCES LTD(1987) possible BX:1010\8xt @44.5%AlAl,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:MAXIMAL MINING Co PTY LTD; AP 2894M/2895M; 1980;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Aluminous laterite including pisolitic bauxite.
HOST ROCK AGE : Cainozoic MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 10.0m max.vert.depth..

FORM/TYPE .....: Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,GBS,BHM,GOET,HEM
GANGUE .....: Q,KAO,AMORPHUS SILICA

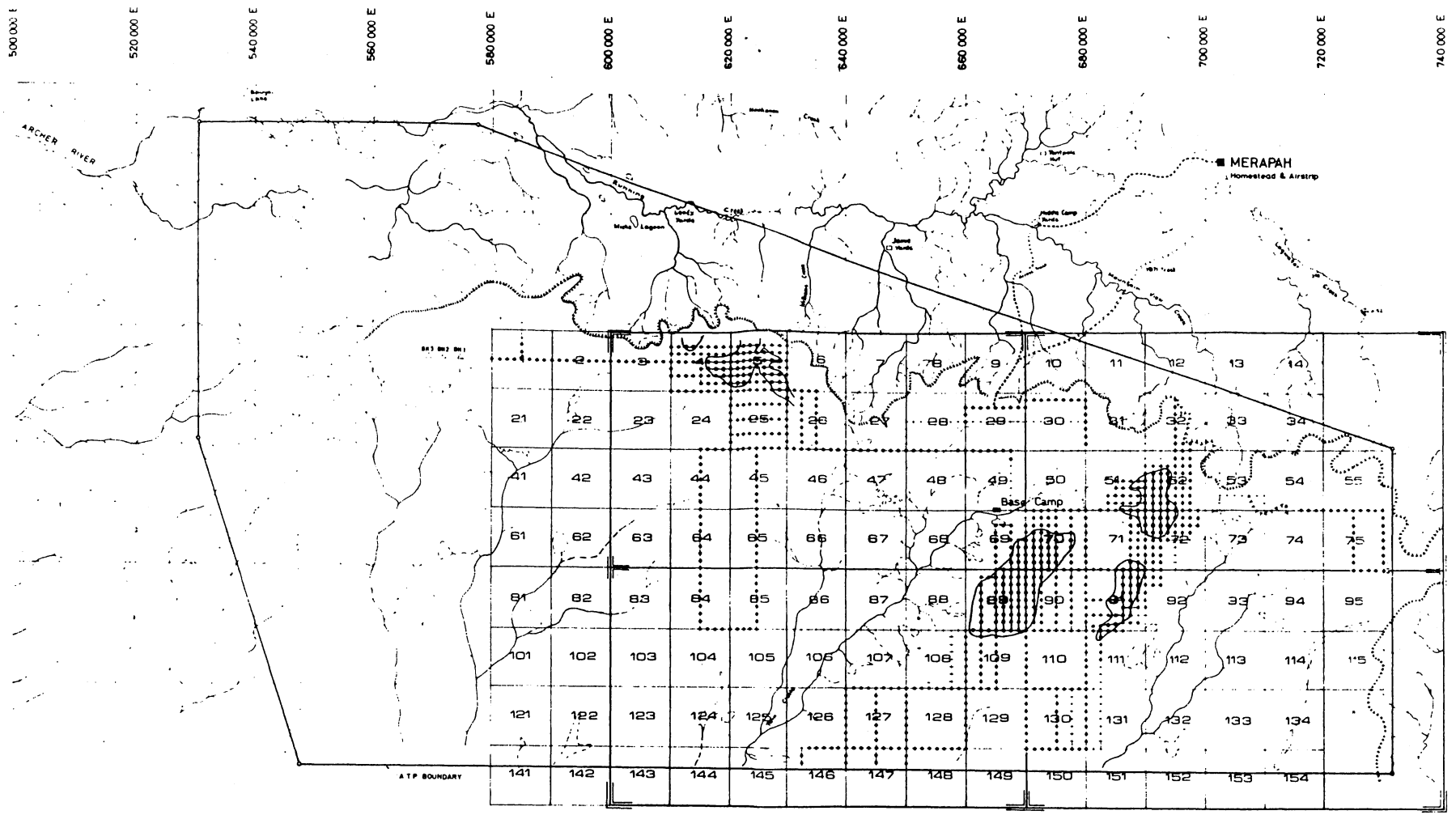
ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: deep weathered surface soils; pisolitic material (size:1-20mm in diameter), unconsolidated, fiable mixture of pisolites and sands. Mineralogy: mainly GBS, high in silica (Q, amorphus silica and KAO) (2).

REMARKS....: #DDArea included in this AP forms part of an extensive bauxite field, which extends along the west coast of Cape York Peninsula from just north of Vrilya Point southward to Archer Bay(1). #M1This deposit is made up of numerous, small scattered occurrences. Bauxite profile is thinly developed (av.thickness 1.4m,av. overburden 1.4m). #PRTotal drill-indicated resource: 70000000 t (44.5% total Al2O3, 7% reactive SiO2).#MNTypical Cape York Pen. mineralogy: Significant BHM in upper portion of BX profile, GBS in lower levels, and both total silica and reactive SiO2 are high. By removing fine KAO clay particules adhering to pisolites by means of wet sceening, the values of SiO2 can slightly be decreased(4). #GMBauxite min on top of the lateritic zone.

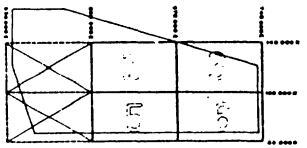
REFERENCES.: PACMINEX PTY LTD(1971, QDRI unpublished company report CR 4107);MAXIMAL MINING Co PTY LTD(1980, QDRI unpublished company report CR 9488);MAXIMAL MINING Co PTY LTD(1981, QDRI unpublished company report CR 9488); KALDINA RESOURCES LTD(1987, QDRI unpublished company report CR 16294);SHELL Co AUSTRALIA LTD(1982, QDRI unpublished company report CR 11130); SHELL Co AUSTRALIA LTD(1983, QDRI unpublished company report CR 11810);Wolff, Kevin W.(1990);



NOTE 1 MAP COMPILED WITH REFERENCE TO AURUKUN SHEET SC 54-7 AND PHOTO MOSAIC SHEET MERAPAH LAGOON. GRID FALSE ORIGIN 500 000E 80 000N IN FEET FROM INTERSECTION OF LINES 50 E & 22 N, BASED ON TRANSVERSE MERCATOR 10 000 YARD GRID ZONE 6

miles
feet
kilometres

INDEX TO A25 SERIES



LEGEND:
- GRID-LINE
- 1971 DRILL-HOLE LOCATIONS
- 1971 SURVEY LOCATIONS (NOT DRILLED)
- DH.3 DEEP DRILL-HOLE LOCATIONS
- MARGIN OF PLATEAU
- ESCARPMENT
- MARGIN OF MINERALISATION

NOTE 2: ONLY 1971 DRILL-HOLE LOCATIONS ARE ILLUSTRATED. FOR DRILL-HOLE LOCATIONS OF 1968 & 1970 EXPLORATION PROGRAMMES REFER TO SHEET M100/D69-70. FOR DETAILED RESULTS OF 1971 DRILLING REFER TO M25 SERIES SHEETS

Issue	Date	Revision	Issue	Date	Revision
A	—		2		
B			3		
C			4		
D			5		
E			6		
1			7		

h.a.bauxiet australië n.v.

AURUKUN BAUXITE PROJECT

MERAPAH A.T.P. 549 M

DRILL-HOLE LOCATION PLAN 1971

DRAWN	T.Thon.
PLOTTED	W.Sandford.
CHECKED	
APPROVED	

M100/D71

DATA SHEET 302

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:445367

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 02/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 644500 mE, 8736700 mN.
AMG SOURCE/ACCURACY: CR 4106/ AP plan/ 100m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: VRILYA POINT 7375
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast Cape York
LOCALITY.....: 31.5km SE of Vrilya Point/ 9km W of Scrubby Creek Rd.
LOCALITY ACC.: CR 4105/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: PACMINEX PTY LTD(1971)inferred:6800000t @40.0%Al$_2$O$_3$,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:PACMINEX PTY LTD; AP 942M; 1971; ACIGTefl,3,stratabound weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Aluminius laterite including bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 5.0m max.vert.depth..

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS: BX,BHM,GOET,GBS,MT
GANGUE .....: SILICA, KAO,CLAY MINERALS

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil units. Mineralogy like the Weipa BX: Consists of mixture of trihzdrate aluminium oxide (GBS) and monohydrate oxide (BHM). Iron content gen. low, but iron oxides gen. close to surface.

REMARKS....: #DDThe area included in this AP forms part of an extensive BX field which extends along the W coast of Cape York Peninsula from just N of Vrilya Point S-ward to Archer Bay. AP is located in Aboriginal Reserve. #M1Grade of BX generally less than 45%Al2O3.#CMA pisolitic BX level (0.6-5m) lies over iron-rich nodular or pisolitic laterite(1-5m), which overlies a cellular to tabular ferruginous lateritic clay(1.6-2.3m) and finally a white to brown sandy clay(1-3m). On top of the BX lies a Top soil and sand clay(0-5m). Within the AP the lateritic Weipa formation has been partly removed by erosion. The deposits are flat lying to gently dipping, near surface blankets of laterite resulting from in situ weathering of Tertiary sediments.

REFERENCES.: PACMINEX PTY LTD(1971, QDRI unpublished company report CR 4106);

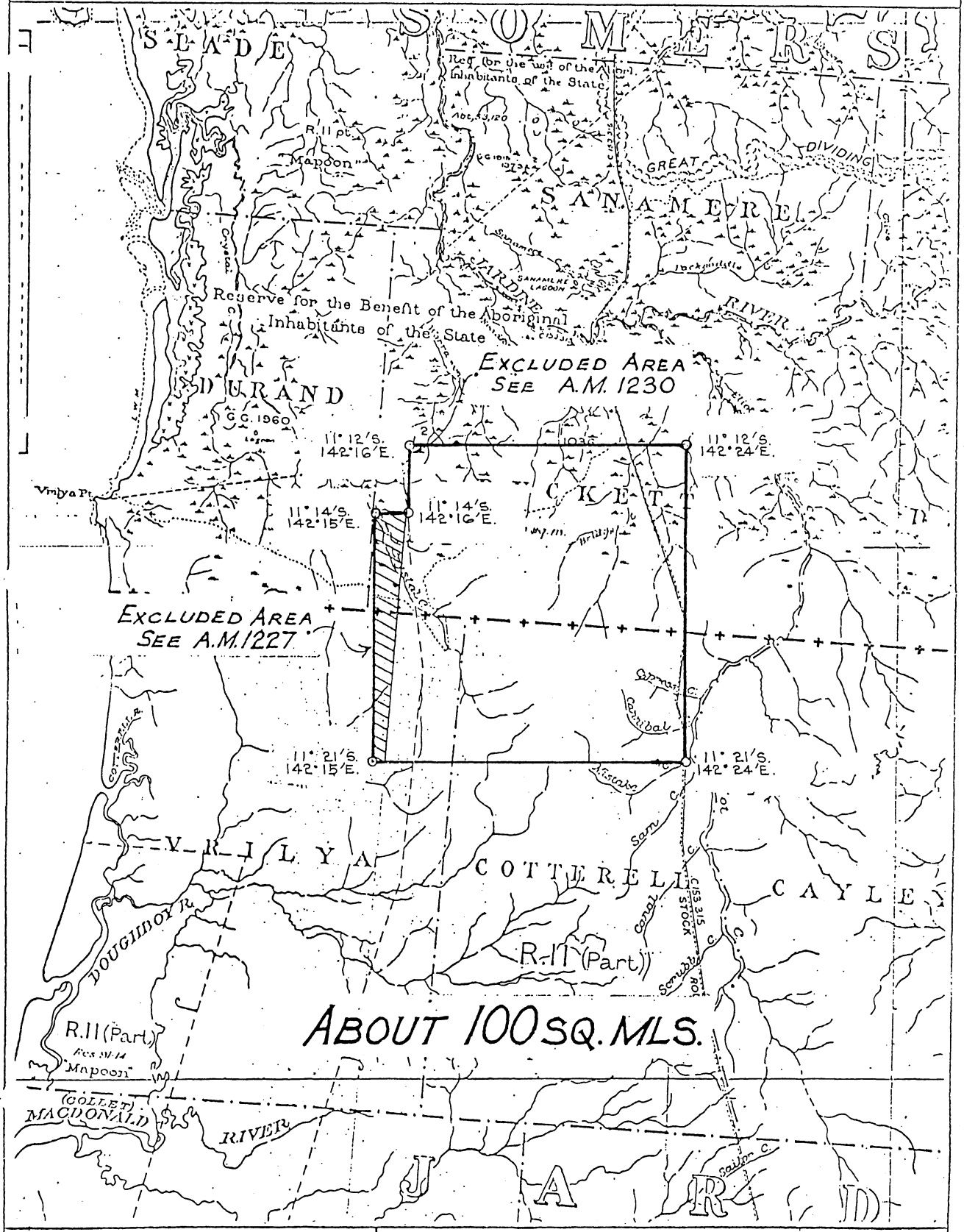
DEPARTMENT OF MINES, QUEENSLAND

COUNTIES OF *JARDINE & SOMERSET*

PARISHES OF *COTTERELL, DUCKETT & VRILYA* 7375

CR 4105

Scale: 4 miles to an Inch



The actual boundaries on the ground shall be those marked by an authorised surveyor in accordance with this diagram and the requirements of the Authority to Prospect. The boundaries are shown in relation to the points marked O. There is no warranty that the boundaries are correctly shown in relation to other features on the map.

AUTHORITY TO PROSPECT No. 941M

WARDEN *THURSDAY ISLAND*

INSPECTORS' DIVISION *NORTHERN*

Locality: *East of Vrilya Pt.*

DATA SHEET 303

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER:450535

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 02/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 645000 mE, 8753500 mN.
AMG SOURCE/ACCURACY: CR 4105/ AP plan/ 100m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: VRILYA POINT 7375
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast Cape York
LOCALITY.....: 23.5km ESE of Vrilya Point/ 7k m W of Scrubby Creek Rd.
LOCALITY ACC.: CR 4105/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: PACMINEX PTY LTD(1971):900000t @40.0%Al2O3,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:PACMINEX PTY LTD; AP 941M; 1971; ACIGTefl,3,stratabound weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Aluminius laterite including bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 5.0m max.vert.depth..

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS :
SECONDARY MINERALS: BX,BHM,GOET,GBS,MT
GANGUE .....: SILICA, KAO,CLAY MINERALS

ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil units. Mineralogy like the Weipa BX: Consists of mixture of trihzdrate aluminium oxide (GBS) and monohydrate oxide (BHM). Iron content gen. low, but iron oxides gen. close to surface.

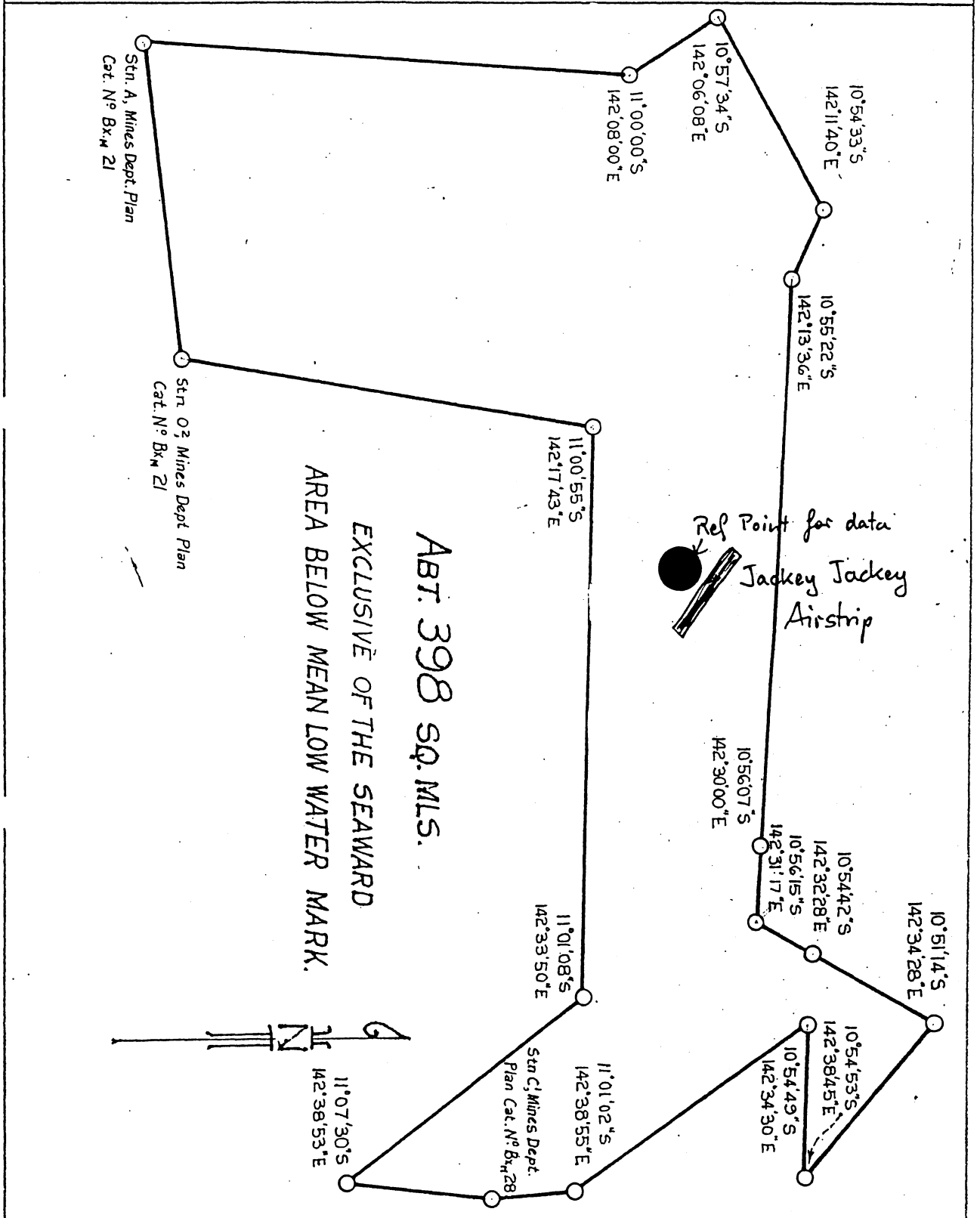
REMARKS....: #DDThe area included in this AP forms part of an extensive BX field which extends along the W coast of Cape York Peninsula from just N of Vrilya Point S-ward to Archer Bay. Ap is located in Aboriginal Reserve. #M1Grade of BX generally less than 45%Al2O3.#CMA pisolitic BX level (0.6-5m) lies over iron-rich nodular or pisolitic laterite(1-5m), which overlies a cellular to tabular ferruginous lateritic clay(1.6-2.3m) and finally a white to brown sandy clay(1-3m). On top of the BX lies a Top soil and sand clay(0-5m). Within the AP the lateritic Weipa formation has been partly removed by erosion. The deposits are flat lying to gently dipping, near surface blankets of laterite resulting from in situ weathering of Tertiary sediments.

REFERENCES.: PACMINEX PTY LTD(1971, QDRI unpublished company report CR 4105);

DEPARTMENT OF MINES, QUEENSLAND

COUNTY OF *SOMERSET*

— NOT TO SCALE —



The actual boundaries on the ground shall be those marked by an authorised surveyor in accordance with this diagram and the requirements of the Authority to Prospect. The boundaries are shown in relation to the points marked O. There is no warranty that the boundaries are correctly shown in relation to other features on the map. "T" indicates initial true bearing.

AUTHORITY TO PROSPECT Nº 828M.

WARDEN *THURSDAY ISLAND*

INSPECTORS DIVISION *NORTHERN*

Locality: *Cape York*

L Lindau 14.4.70

Draftsman in Charge

REFERENCE MAP 4M 125

PLAN Nº A.M. 1230

DATA SHEET 304

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed

REFERENCE NUMBER: 585899

COMMODITIES ....: ALUMINIUM
STATUS .....: Mineral occurrence
SIZE.....:
RECORDED BY/DATE: FVG 02/05/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 658500 mE, 8789900 mN.
AMG SOURCE/ACCURACY: CR 4100/ AP plan/ 100m

1:250 000.....: JARDINE RIVER SC54-15
1:100 000.....: VRILYA POINT 7375
MINING DISTRICT : WEIPA
MINING FIELD....:

GENERAL AREA.: Westcoast Cape York
LOCALITY.....: 9km SE of Bamaga; Airstrip Jac kay Jackay
LOCALITY ACC.: CR 4100/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....: PACMINEX PTY LTD(1971)inferred:16700000t @40.0%Al2O3,

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: PACMINEX PTY LTD; AP 828M; 1971; CIGTefl,3,stratabound weathered surface soil;

TECHNIQUES USED ...: Geology,Geophysics,Geochemistry,Drilling,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: CARPENTARIA BASIN
FORMATION ....: Unnamed/unknown
HOST ROCK TYPE: Aluminius laterite including bauxite
HOST ROCK AGE : Cainozoic

MINERALISATION AGE: Cainozoic

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 5.0m max.vert.depth..

FORM/TYPE .....: Stratabound, Residual.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....: Other-see Remarks.

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.

PRIMARY MINERALS :
SECONDARY MINERALS: BX,BHM,GOET,GBS,MT
GANGUE .....: SILICA, KAO,CLAY MINERALS

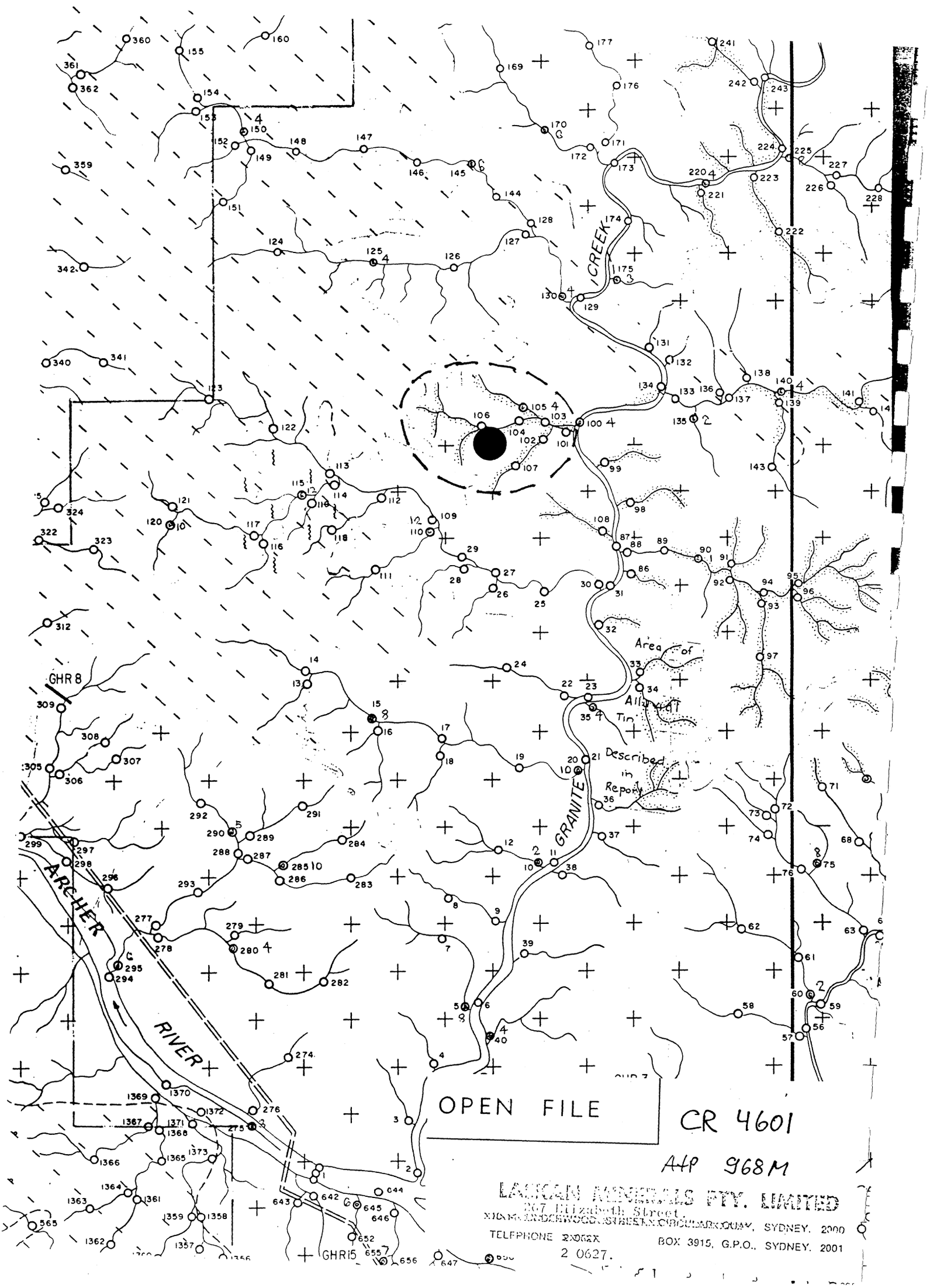
ORE TEXTURES....:

ORE GRAIN SIZE..: V.fine-Fine-Medium

ORE GENESIS: Weathered surface soil units. Mineralogy like the Weipa BX: Consists of mixture of trihzdrate aluminium oxide (GBS) and monohydrate oxide (BHM). Iron content gen. low, but iron oxides gen. close to surface.

REMARKS....: #DDThe area included in this AP forms part of an extensive BX field which extends along the W coast of Cape York Peninsula from just N of Vrilya Point S-ward to Archer Bay. AP is located in Aboriginal Reserve. #M1Grade of BX generally less than 45%Al2O3.#CMA pisolitic BX level (0.6-5m) lies over iron-rich nodular or pisolitic laterite(1-5m), which overlies a cellular to tabular ferruginous lateritic clay(1.6-2.3m) and finally a white to brown sandy clay(1-3m). On top of the BX lies a Top soil and sand clay(0-5m). #M1AP 828M extends over 4 topographical 1:100000 sheets Vrilya Point 7375/ Thursday Island 7376/ Cape York 7476/ Orford Bay 7475. Grid Ref is approx. centre of AP 828M.

REFERENCES.: PACMINEX PTY LTD(1971, QDRI unpublished company report CR 4100);



OPEN FILE

CR 4601

AMP 968M

LAUCAN MINERALS PTY. LIMITED
267 Elizabeth Street,
SYDNEY, 2000
TELEPHONE 2 0627.
BOX 3915, G.P.O., SYDNEY, 2001

DATA SHEET 305

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 1 of 2)

REFERENCE NUMBER: 135235A

COMMODITIES ....: TIN
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 05/01/90
METHOD OF WORKING..: Surface mining.
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 713500 mE, 8523500 mN.
AMG SOURCE/ACCURACY: CR 4601/ CR 3800/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: N GEIKIE RIVER
LOCALITY.....: W Granite Creek/ 4km NNW of la nding ground at Cook Tin Mine.
LOCALITY ACC.: CR 4601/ CR 3800/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....: 1880, 1906-1931,1938-1940,1975-1980
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):1093.0t Sn, (WOLVERTON TIN PTY LTD,1982).
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY: LASKAN MINERALS PTY LTD; AP 968M; 1972; ABabdq, 6, [Cu,Pb,Zn,Co,Ni,Mo],-; WOLVERTON TIN PTY LTD; AP 2763M; 1982; ABCElfquo, 0, alluvial deposits; AUSTRALIA + NEW ZEALAND EXPLORATION Co.; AP 1933; 1979; ABacdfq, 0,-;
TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: MORRIS ADAMELLITE/ FALLOCH BEDS
HOST ROCK TYPE: Altered granite/ conglomerates.
HOST ROCK AGE : Late Silurian - Carboniferous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....: 92.0m max.long x 0.8m max.wide .

FORM/TYPE .....: Veins, Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : CST, (GA),(ZR),(MT),(MOLY),(W),(MONAZITE).
SECONDARY MINERALS:
GANGUE .....: Q, TOU.

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine-Medium-Coarse

ORE GENESIS: Tin: fine to medium-coarse, black, ruby and amber tin occurs principally throughout the middle reaches and upper tributaries of Granite Ck. MOLY, W fairly significant in stream samples.

REMARKS....: #MNRelatively minor terracing in assoc. with the creek system. Number of scree and talus covered slopes offer considerable tonnages, but tin content in insufficient to support even a small recovery operation (2m overburden on lower slopes)(2).Mainly CST. On heavy min.: MT abundant, relatively minor: ZR, GA, MONZ (2). #DDAlluvial workings in the whole drainage system of Granite Creek (Tin Creek). Area of about 4-5 sq.km. #MNCST occurs in free state and as crystals in greisen in constant assoc. with granites. #CMPrim. tin min. assoc. with intrusion of WOLVERTON ADAMELLITES (no known lode occurrences). A possibility of disseminated intra-granite min. mentioned (3). Secondary (detrital) deposits show two major fluviatile aggradational cycles in the area.

REFERENCES.: LASKAN MINERALS LTD(1971, QDRI unpublished company report CR 3800);LASKAN MINERALS LTD(1972, QDRI unpublished company report CR 4601);WOLVERTON TIN PTY LTD(1982, QDRI unpublished company report CR 10216); AUSTRALIA & NEW ZEALAND EXPLO(1979, QDRI unpublished company report CR 6846);

NAME(S).....: _Unnamed (Page 2 of 2)

REFERENCE NUMBER:135235B

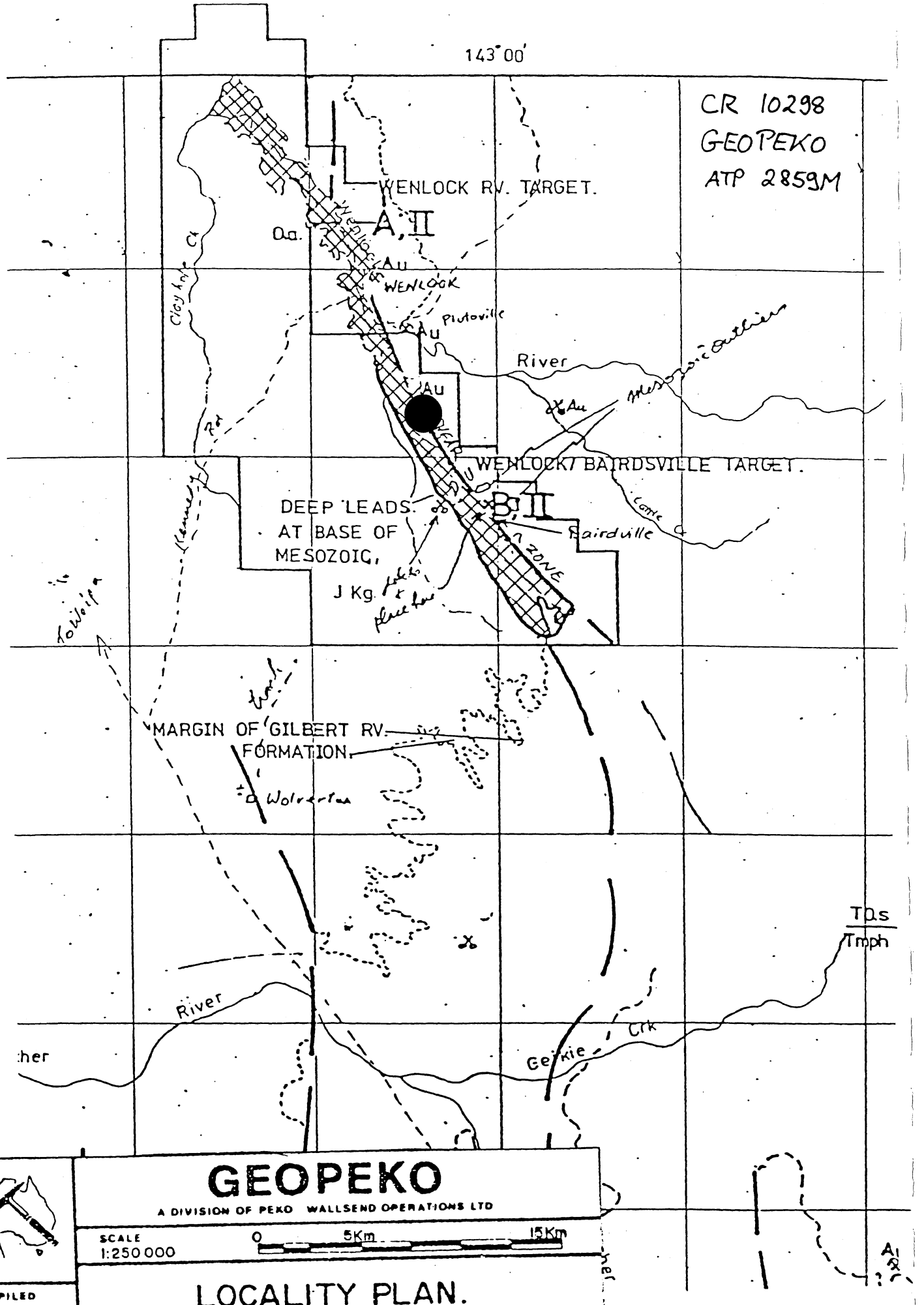
MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:

#GMCycles of secondary deposits: 1. Mesozoic (U.J.) and 2. Cainozoic (U.T.). Known placer tin concentrations are confined to the Cainozoic cycle. Some small, but high grade deposits occur in the current degradational cycle (Quarternary). Falloch Beds (stanniferous CZ sed.) cover large portion of the area (average 2 to 5m thick). #PRTin grades are very variable (like the thickness). Up to 0. 89 kg SnO2/m3 in conglomerates. Finer grained grit horizons tend to contain very little tin. Grades of basal congl. gravel show high degree of variation (0.2 - 0.9 kg SnO3/m3), typical for fluviatile outwash fan and channal deposits. Some CST is extremly fine grained #MTSeodrain[illegible]ated, exploratory costeans in Granite Creek indicated moderate to high grade (0.45 to 1.00 kg SnO2/m3) concentrations of tin. Typically in Granite Creek alluvium is "ponded' over several km lengths, behind intermittent granite bars; #MShence both widths and thicknesses of alluvium vary considerably. #DDAverage channel width of alluvium in Granite Creek is some 100m respectively, and thickness varies from 2 to 4 m. #MN"Wash" size likewise varies from pebble-cobble gravels to occasional boulder gravels in the upper reaches of Granite Creek. Composition is heterogenus mixture of basement rocks and older strata. #M2Intermontane deposits of Granite Creek drainage basin: Drainage B: 125 km2; Alluvium: 36 km2; Relative % of alluvium: 28.8% (4)

REFERENCES CONTINUED.:


143°00'
CR 10298
GEOPEKO
ATP 2859M
WENLOCK RV. TARGET.
A, II
Qa.
Au
WENLOCK
Pintoville
River
Au
WENLOCK/ BAIRDSVILLE TARGET.
DEEP LEADS
AT BASE OF
MESOZOIC.
B, II
Bairdville
J Kg.
MARGIN OF GILBERT RV.
FORMATION.
Wolverton
Tqs
Tmph
River
Creek
GEOPEKO
A DIVISION OF PEKO WALLSEND OPERATIONS LTD
SCALE
1:250 000
0
5Km
15Km
LOCALITY PLAN.
A to P 2859m- N W COEN.
COMPILED
24·4·81.
DRAWN
F.G.
MAP REFERENCE. SD 54-4 SD 54-8.
CR 10298

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET.

NAME(S).....: _Unnamed (Page 1 of 2) **REFERENCE NUMBER:139465A**

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 713900 mE, 8546500 mN.
AMG SOURCE/ACCURACY: CR 10298/Fig.3/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: S WENLOCK CREEK
LOCALITY.....: 3.2km S of disused Wenlock landing ground
LOCALITY ACC.: CR 10298/Fig.3/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPPER EXPLORATION LTD; AP 2267; 1981; ABDEPQOTabdehkjfq, 0, -; GEOPEKO; AP 2859; 1981; ECTabdy, 1, [Au,Ag,Zn,Cu,Pb,W,Sn], -;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION/WOLVERTON ADAMELLITE
HOST ROCK TYPE: Sandstones//conglomerates.
HOST ROCK AGE : Late Silurian - Early Cretaceous MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

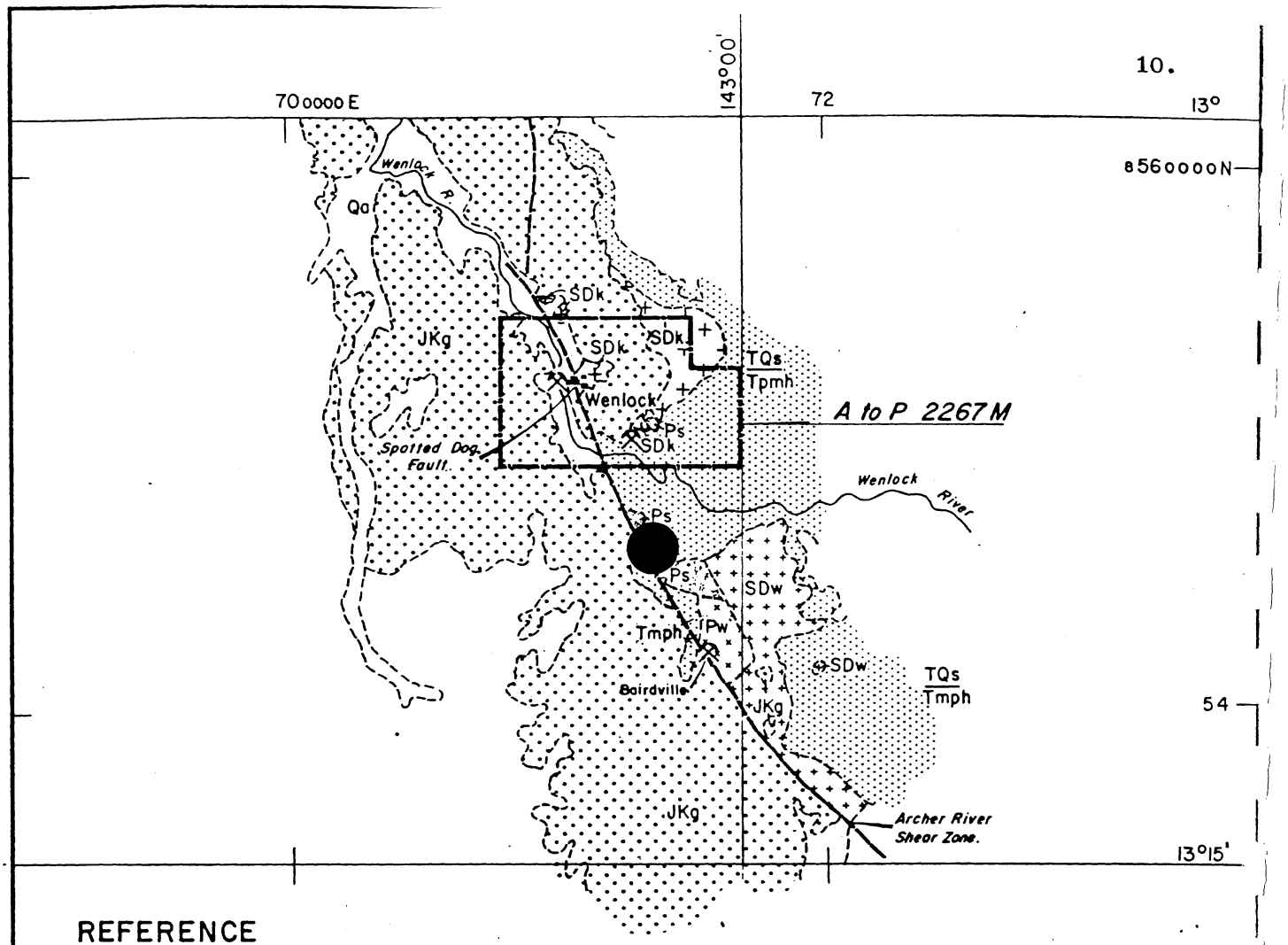
SUPERGENE ENRICHMENT DEPTH(m): OXIDATION DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) : LEACHING DEPTH(m):
WALL ROCK ALTERATIONS .....:

ORE MINERALOGY. **ORE TEXTURES....:**
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....: **ORE GRAIN SIZE..:** Fine

ORE GENESIS: Deep leads on contact to shear zone. The reef (Main Leader) consists of laminated blue and white buck Q carrying free Au and PY. Typical fissure reef, with sharply defined walls(evidence of fault movement).

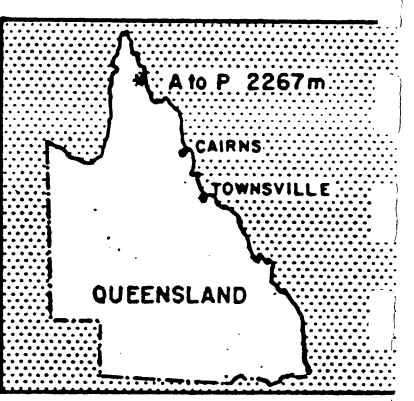
REMARKS....: #CMTwo unusual features relevant to the Bairdville Deep leads were noted: (a) they are exposed without covering rocks, where they have been worked and (b) they are related to the small mesa-like outliers of Mesozoic rocks, rather than the main body of Mesozoics W of the scarp. The shearzone between Bairdville and Wenlock R. stands out very clearly in aerial photography. Over Bairdville up to Wolverton/Wenlock junction, a fairly consistent, but generally narrow zone of alluvial flats is to be found. In general these flats are believed to have developed over the sheared basement, and since the shear zone is considered prospective, bedrock geochemistry is a obvious tool (4, p.5).

REFERENCES.: GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693);GOLD COPPER EXPLORATION INC(1982, QDRI unpublished company report CR 10367);GEOPEKO(1981, QDRI unpublished company report CR 9074); GEOPEKO(1981, QDRI unpublished company report CR 10298);Shepherd, S.R.Leonhard(1941);Connah, T.H.(1951);



REFERENCE

Qa	Alluvium		Prospect — Au
TQs	Quartzose sand , silt		Building
Tmph	Falloch Beds		Fault
JKg	Gilbert River Formation		Geological Boundary
Pw	Wolverton Adamellite		River
SDw	Wigan Adamellite		
SDk	Kintore Adamellite		
Ps	Sefton Metamorphics		



CR 10367 (A)

GOLD COPPER EXPLORATION LIMITED.

SCALE 1:250,000 0 5 10 15 km.

'A to P 2267m WENLOCK'

GEOLOGICAL PLAN.

Report C. 82/8. Figure. 2.

GEOL./SURV.	DRAWN.	DATE.	CHECKED
R.G.W.	P.L.	3·2·82.	R.G.W.

REVISION	MAP REF.	PLAN No.
0	SD 54-8	WEN-067

NAME(S).....: _Unnamed (Page 2 of 2)

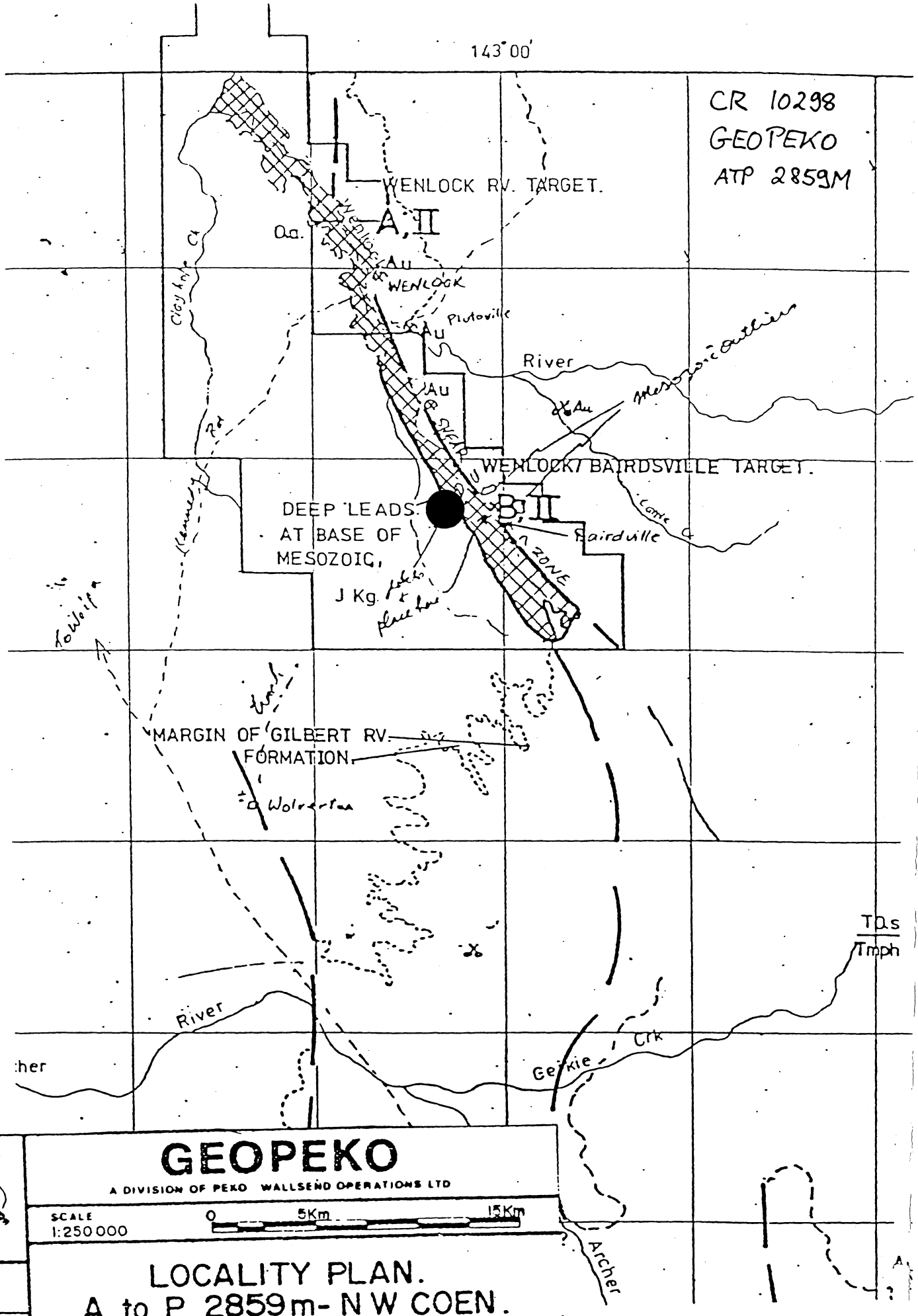
REFERENCE NUMBER:139465B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:
#GMThe metamorphic and granitic rocks of the basement are intersected by Q-veins (Au-bearing) of variable size and orientation. Largest auriferous Q-reef: Main Reef or Leader (strikes NW, dips SE at 30 to 60; total explored length: 300m; max width: 0.5m) #PRAverage grades: >21 dwt/t (1/5). #MNReef Au finely disseminated through the Q-gangue, shoots with wire and leaf Au. #GMGenesis of the auriferous Q-veins most likely related to Devonian orogenic event, which resulted in metamorphism of the SEFTON METAMORPHICS and emplacement of the KINTORE ADAMELLITE (1).

REFERENCES CONTINUED.:



GEOPEKO

A DIVISION OF PEKO WALLSEND OPERATIONS LTD

SCALE 1:250000 — 0 5Km 15Km

LOCALITY PLAN.
A to P 2859m - N W COEN.

COMPILED 24·4·81.

DRAWN F.G.

MAP REFERENCE. SD 54-4 SD 54-8.

CR 10298

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 1 of 2)

REFERENCE NUMBER:141423A

COMMODITIES ....: GOLD
STATUS .....: Abandoned mine
SIZE.....:
RECORDED BY/DATE: FVG 04/01/90
METHOD OF WORKING..:
EXTENT OF WORKINGS:
AMG GRID REFERENCE.: 714100 mE, 8542300 mN.
AMG SOURCE/ACCURACY: CR 10298/Fig.3/ 100m

1:250 000.....: COEN SD54-08
1:100 000.....: WENLOCK 7471
MINING DISTRICT : COOKTOWN
MINING FIELD....: WENLOCK

GENERAL AREA.: S WENLOCK CREEK
LOCALITY.....: 7.4 km S of landing ground/ 80 0m N Point 271
LOCALITY ACC.: CR 10298/Fig.3/ 100m

MINING TENURE.....:

PRODUCTION DETAILS.

PERIOD OF PRODUCTION....:
TOTAL PRODUCTION (ORE) :
TOTAL PRODUCTION (METAL):
COMMENTS :
ANNUAL PRODUCTION .....:
RESERVES/RESOURCES.....:

COMMENTS :

MINERAL EXPLORATION.

EXPLORATION SUMMARY:GOLD COPPPER EXPLORATION LTD; AP 2267M; 1981; ABDEPQOTabdehkjfq, 0, -; GEOPEKO; AP 2859M; 1981; ECTabdy, 1, [Au,Ag,Zn,Cu,Pb,W,Sn], -;

TECHNIQUES USED ...: Geology,Geochemistry,Other

GEOLOGICAL SETTING.

PROVINCE/BASIN: COEN INLIER
FORMATION ....: GILBERT RIVER FORMATION/WOLVERTON ADAMELLITE
HOST ROCK TYPE: Sandstones/ conglomerates.
HOST ROCK AGE : Late Jurassic - Early Cretaceous

MINERALISATION AGE:

DEPOSIT CHARACTERISTICS.

DIMENSIONS/ORIENTATIONS.....:

FORM/TYPE .....: Placer.
STRUCTURAL AFFILIATIONS..... :

SUPERGENE ENRICHMENT DEPTH(m):
RESIDUAL ENRICHMENT DEPTH(m) :
WALL ROCK ALTERATIONS .....:

OXIDATION DEPTH(m):
LEACHING DEPTH(m):

ORE MINERALOGY.
PRIMARY MINERALS : AU.
SECONDARY MINERALS:
GANGUE .....:

ORE TEXTURES....:

ORE GRAIN SIZE..: Fine

ORE GENESIS: Deep leads on contact to shear zone. The reef (Main Leader) consists of laminated blue and white buck Q carrying free Au and PY. Typical fissure reef, with sharply defined walls (evidence of fault movement)

REMARKS....: #CMTwo unusual features relevant to the Bairdville Deep leads were noted: (a) they are exposed without covering rocks, where they have been worked and (b) they are related to the small mesa-like outliers of Mesozoic rocks, rather than the main body of Mesozoics W of the scarp. The shearzone between Bairdville and Wenlock R. stands out very clearly in aerial photography. Over Bairdville up to Wolverton/Wenlock junction, a fairly consistent, but generally narrow zone of alluvial flats is to be found. In general these flats are believed to have developed over the sheared basement, and since the shear zone is considered prospective, bedrock geochemistry is a obvious tool (4, p.5).

REFERENCES.: GOLD COPPER EXPLORATION INC(1981, QDRI unpublished company report CR 8693);GOLD COPPER EXPLORATION INC(1982, QDRI unpublished company report CR 10367);GEOPEKO(1981, QDRI unpublished company report CR 9074); GEOPEKO(1981, QDRI unpublished company report CR 10298);Shepherd, S.R.Leonhard(1941);Connah, T.H.(1951);

BUREAU OF MINERAL RESOURCES/QUEENSLAND DEPARTMENT OF RESOURCE INDUSTRIES
MINERAL OCCURRENCE DATA SHEET

NAME(S).....: _Unnamed (Page 2 of 2)

REFERENCE NUMBER:141423B

MINERAL EXPLORATION CONTINUED.:

ORE GENESIS CONTINUED.:

REMARKS CONTINUED.:
#GMThe metamorphic and granitic rocks of the basement are intersected by Q-veins (Au-bearing) of variable size and orientation. Largest auriferous Q-reef: Main Reef or Leader (strikes NW, dips SE at 30 to 60; total explored length: 300m; max width: 0.5m) #PRAverage grades: >21 dwt/t (1/5). #MNReef Au finely disseminated through the Q-gangue, shoots with wire and leaf Au. #GMGenesis of the auriferous Q-veins most likely related to Devonian orogenic event, which resulted in metamorphism of the SEFTON METAMORPHICS and emplacement of the KINTORE ADAMELLITE (1).

REFERENCES CONTINUED.:

APPENDIX 2

MINERAL OCCURRENCE DATA MANAGEMENT SYSTEM (MINOCC)

DATA GUIDE

APPENDIX 2 : EXPLANATORY NOTES FOR MINERAL OCCURRENCE DATA

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INTRODUCTION

For the purposes of mineral occurrence data collection from Cape York Peninsula, the term 'mineral' is restricted to metallic minerals, to potentially economic concentrations of non-metallic minerals, and to non-metallic mineral occurrences which may be of interest to exploration geologists. Coal, petroleum, oil shale, groundwater, and construction materials are not included in the mineral occurrence data base.

Data are entered on Mineral Occurrence Data Sheets (Fig. 1.1) which record basic geological and mining information in a format suitable for computer-manipulation using the MINOCC software of the Department of Resource Industries.

Information is compiled with minimal interpretation. This allows users to make their own analysis and provides flexibility to incorporate new concepts of ore genesis. Any interpretation from reviewed literature is referenced; observations and theories developed by the recorder from field inspection are included under "Remarks".

INFORMATION SOURCES AND RELIABILITY

Data are collected from office literature studies. Literature reviewed includes the following:

- Company prospectuses and annual reports;
- Department of Mines Annual Reports; Queensland Government Mining Journals;
- Reports on exploration carried out under Authority to Prospect, Exploration Permit and Mining Lease tenure (Company Report Series); lease plans, files and reports;
- Geological Survey of Queensland Publications and unpublished reports; and
- Bureau of Mineral Resources Publications.

Most of the information from the above sources is considered reliable, though often incomplete. Reports written around the turn of the century provide very little detailed information about host rock and ore geology.

Production figures for smaller mines and mines worked prior to 1900 are considered to have low reliability. Because of incomplete reporting, these production figures are more likely to be under- than over-estimated. Company reports for areas currently held under Exploration Permit and Mining Lease tenure are confidential at this stage. Data sheets will be updated as additional information becomes available and Departmental resources permit.

A bibliography, including references cited in the data sheets, is included in this report (Table 7).

DEPARTMENT OF RESOURCE INDUSTRIES, BRISBANE
MINERAL OCCURRENCE DATA ENTRY SHEET

CONFIDENTIAL Y/N [N]

REF. NO. [ ][ ][ ][ ][ ][ ]

NAME(S) _____

1:100 000 NAME _____ NO. _____

1:250 000 NAME _____ NO. _____

COMMODITIES _____

GRID REF. [ ][ ][ ][ ][ ] mE [ ][ ][ ][ ][ ][ ] mN

MINING DISTRICT _____

LOCALITY _____

MINING FIELD _____

RECORDED BY _____ DATE / /

MINING TENURE (ML/MLA etc) _____

STATUS Operating mine [ ] Abandoned mine [ ] Prospect [ ] Mineral occurrence [ ] Size VS/S/M/L [ ]

METHOD OF WORKING
Open cut [ ] Underground [ ] Pits [ ] Shafts [ ] Trenches [ ] Adits [ ] Dredging/Sluicing [ ] Surface mining [ ]

EXTENT OF WORKINGS Length.. m. Width.. m. Depth.. m.

DETAILS OF PRODUCTION
Period of production _____
Record of total production
(ore) _____
(metal) _____
Annual production _____

RESOURCES/RESERVES(Category, tonnage, grade, reference)
_____
_____
_____
_____

EXPLORATION SUMMARY (Company tenure year) _____

Techniques used: Geology [ ] Geophysics [ ] Geochemistry [ ] Drilling [ ] Costeaning [ ] Others [ ]

GEOLOGICAL SETTING
Province/basin _____
Formation _____
Host rock type _____

Host rock age AGE [ ][ ] E/M/L [ ] /- AGE [ ][ ] E/M/L [ ]
Mineralisation age AGE [ ][ ] E/M/L [ ] /- AGE [ ][ ] E/M/L [ ]

PE=Precambrian S=Silurian P=Permian K=Cretaceous
CA=Cambrian D=Devonian T=Triassic CZ=Cainozoic
O=Ordovician C=Carboniferous J=Jurassic

STRUCTURAL AFFILIATION
[ ] Fracture
[ ] Fault/shear zone
[ ] Joints
[ ] Cleavage/schistosity
[ ] Fold hinge
[ ] Fold limb
[ ] Contemporaneous
[ ] Pre-ore
[ ] Post-ore
[ ] Other(see Remarks)

ORE TEXTURES
[ ] Structureless
[ ] Schistose
[ ] Banded
[ ] Cataclastic
[ ] Breccia-fill
[ ] Nodular
[ ] Other (see Remarks)

DEPOSIT FORM
[ ] Stratabound
[ ] Stratiform
[ ] Veins
[ ] Pipe
[ ] Stockwork
[ ] Lenticular
[ ] Irregular
[ ] Disseminated
[ ] Intrusive contact
[ ] Placer
[ ] Residual
[ ] Not determined /other

ORE GRAIN SIZE
[ ] V.Fine
[ ] Fine
[ ] Medium
[ ] Coarse
[ ] V.Coarse

WALL ROCK ALTERATION
[ ] Argillic
[ ] Sericitic
[ ] Propylitic
[ ] Potassium silicate
[ ] Silicification
[ ] Other (see Remarks)

SUPERGENE ALTERATION
Economically important Y/N [ ]
Oxidation depth... m
Leaching depth.. m
Supergene enrichment depth.. m
Residual enrichment depth.. m

DEPOSIT DIMENSIONS/ORIENTATION
... m long x.. m wide x ... m deep
Strike.. deg/... deg. dip.
Strike.. deg/... deg. dip.

ORE MINERALS Primary _____
Secondary _____
GANGUE _____

ORE GENESIS _____

REMARKS: _____

REFERENCES: _____

Figure 2.1 Mineral occurrence data sheet

MINERAL OCCURRENCE DATA MANAGEMENT SYSTEM

The Mineral Occurrence Data Management System (MINOCC) has been developed by the Department of Resource Industries. Its main benefits include:

- standardisation of mineral occurrence data collection and reporting;
- computer plotted mineral occurrence maps; and
- improved interpretative facility through searches, selective retrieval and graphical presentation.

Software are still being refined and will become more functional and efficient with time.

FIELD DATA COLLECTION SHEETS - EXPLANATORY NOTES

Information on individual mineral occurrences is collected on a single data sheet. Details and examples of formats for data recording on the mineral occurrence data sheets and data entry in the MINOCC system are provided. All measurements should be given in S.I. units, for example, g, kg, t, mm, m (not cm), km, g/t, kg/t. Assay results can be given in g/t, ppm or ppb. The headings and terms under which data are entered are as follows:

REFERENCE NUMBER (REF. NO.)

The reference number for each mineral occurrence is a 6-digit number which is an abbreviated AMG grid reference, accurate to the nearest 100 m, plus an additional letter qualifier where the data is on 2 pages. Grid references that numerically are exactly 50 m are upgraded to the next 100 m grid number.

NAME(S)

The name of a mineral occurrence is usually an historical mine name, lease name or company prospect name; preference is given to the most well known or latest name. All other names are shown in brackets or given in the 'Remarks' section, if necessary. Unnamed occurrences are referred to by their 6-digit reference number.

Mineral occurrences may be grouped on the basis of geographical proximity to one another or if described as a group in the reviewed literature.

Data recording and entry are in upper and lower case.

COMMODITIES

Wherever possible, commodities are listed in order of their monetary value at the time of mining; this may differ from their order of abundance. The order of abundance is used if production figures are not available or if there has been no production. Commodity names should be given in full; chemical symbols may be used in other data fields. Data recording and entry are in upper case.

MINING DISTRICT

This section gives the name of the Mining Warden's District in which the mineral occurrence was located up to September, 1990. After that time all three Mining Districts - Cooktown, Weipa and Thursday Island (Figure 3 main report) - merged into the Cairns Mining District. When researching references to Annual Reports of the Department of Mines it should be noted that the boundaries of some Mining Districts have changed. Data recording and entry are in upper case.

MINING FIELD

If the mineral occurrence is located within the boundaries of a proclaimed mining field, the name of the field is given in this section. Data recording and entry are in upper case.

MINING TENURE

This section lists the categories, numbers, and names (where space permits) of mining tenures current at the time of recording; DC = Dredging Claim, DL = Dredging Lease, MC = Mining Claim, MDL = Mineral Development Licence, MF = Mineral Freehold, ML = Mining Lease, MLA = Mining Lease Application, MS = Mineral Selection, PA = Prospecting or Protection Area. Expired tenures, if known, are shown in brackets. The following is an example of data recording and entry: "MLA 521 'Lady Mary' (ML 200, 241)". Because of the major changes to Mining District boundaries in 1990, expired tenures will usually refer to the historical Mining District.

SHEET REFERENCE

Standard sheet references, based on the 1:100 000 and 1:250 000 map sheet series for Queensland, are recorded in the top right-hand corner of the data sheets.

AMG GRID REFERENCE (GRID REF.)

Six digit easting and seven digit northing Australian Map Grid grid references are given for each mineral occurrence. The input units are metres.

AMG SOURCE/ACCURACY

Grid references are given as accurately as possible; the accuracy is dependent upon the scale and accuracy of available maps and the certainty with which the mineral occurrence can be located on maps and/or airphotos by the recorder.

The map location source, followed by the accuracy of location, as estimated by the data recorder, is given in the following format: "CR 5482/100m".

GENERAL AREA

A broad topographic locality is given here as a general indication.

LOCALITY

The locality of the mineral occurrence is described in terms of the distance and general direction from a major geographical reference point. This reference point will usually be the major town or homestead after which the 1:100 000 Sheet area is named. Names used should be on the Australian Master List of Place Names. Where possible, localities are recorded and entered in the format "12.5 km SW of Atherton".

LOCALITY ACCURACY

If the locality description has been obtained from literature, the source, and the accuracy of location, as estimated by the data recorder, are given in the format: "CR 5482/100m".

RECORDED BY/DATE

The initials of the recorder of the data and the date of the most recent update (usually the date of a field inspection) are given. Dates are entered into the MINOCC system in the format "D/M/Y", for example "02/01/89".

STATUS

This section indicates whether the deposit is an operating or abandoned mine, a prospect or a mineral occurrence. A mineral occurrence is a locality containing visible mineralisation or significant assay values. A prospect is defined as a locality at which mineral exploration has indicated significant mineralisation. This mineralisation may not be visible at the surface; thus, a certain amount of subjective judgement is involved in differentiating between mineral occurrences and prospects.

METHOD AND EXTENT OF WORKING

The mining methods used and the extent of mine workings are given under this heading. Extent includes known **maximum** length, width and depth of all workings related to the mine being described.

DETAILS OF PRODUCTION

The production periods and total previous production (or estimated production where data are incomplete) of abandoned and operating mines are recorded. Chemical symbols are used for commodities when recording the production of metals; mineral abbreviations are used if it is known or likely that production figures refer to specific mineral concentrates.

Production figures given in early reports of the Department of Mines usually applied to groups of mines. Production figures for mines worked in the early 1900's are considered to have low reliability. Because of incomplete reporting, these figures are likely to be under- than over estimated.

RESOURCES AND RESERVES

Ore resources and reserves are given in terms of category, tonnage, grade, cut-off grade, and reference, in accordance with the Australasian Code for Reporting of Identified Mineral Resources and Ore Reserves (Australasian Institute of Mining and Metallurgy, 1989). The following are examples of the format for data recording and entry: "Indicated resource, 600 000 t, 3.5 g/t Au, 0.5 g/t cut-off (CR 500 000). Probable reserves, 150 000 t, 4.5 g/t Au, 1.0 g/t cut-off (CR 500 001)". Historical reports of resources and grades (assays) should be recorded under 'Remarks'; these figures generally are not representative of remaining sources.

EXPLORATION

This section summarises mineral exploration carried out under Exploration Permit, Authority to Prospect (Minerals) and, in some cases Mineral Development Licence and Mining Lease tenure and includes company name, tenure, year, exploration techniques, commodities and exploration targets. The exploration techniques are given as a series of code letters and numbers. The key to these codes is given in appendix 4. The exploration summary is recorded and entered in the following format: "Company No. 1; AP 10000M; 1971; ADJ bevlq, 3, (Au, Ag), Veins."

GEOLOGICAL SETTING

The names of the geological province/basin, stratigraphic unit, and rock type of the host rock are recorded under this heading. Province/basin names are given in upper case. Formal stratigraphic names are shown in upper case and informal names are given in upper/lower case within quotes. Rock types are given in upper and lower case, for example "Siltstone, sandstone". Geological ages of the host rock and the mineralisation, if known, are also noted. The main geological provinces/basins in Queensland are shown in Figure 1.2. Stratigraphic units are based on the most recent mapping by the Department of Resource Industries and Bureau of Mineral Resources. Note that, when entering geological ages into the MINOCC system, the following formats must be used:

"PEL CAE", " DL CE", " D C ", " D ", " DL ".

STRUCTURAL AFFILIATIONS

Only structures which are dimensionally comparable with and show a spatial relationship with the mineral occurrence are to be listed in this section.

ORE TEXTURES (MACRO)

Ore minerals which show a distinct cleavage or schistosity are termed **schistose.** **Banded** textures are characterised by a compositional banding in the metallic and/or non-metallic constituents of the ore. Those ores in which the ore minerals have been mechanically deformed in a brittle manner are termed **cataclastic.** Ore developed **in the matrix** of an angular fragmental rock is **breccia fill. Nodular** ore comprises subspherical particles of ore within the gangue.

DEPOSIT FORM

Stratabound refers to any ore body, concordant or discordant, which is restricted to a particular part of the stratigraphic column. Stratabound deposits which are themselves stratified are considered to be **stratiform. Veins** are tabular or sheet-like masses of minerals occupying a fracture or set of fractures in the enclosing rock. **Pipes** are elongate, cylindrical, discordant deposits. Systems of cross-cutting veins constitute **stockwork** deposits. **Lenticular** ore bodies are lens-shaped, concordant or discordant deposits. **Irregular** ore bodies have no definite form.

Disseminated deposits include those in which ore minerals are disseminated throughout the host rock, and those in which ore occurs as films on joint planes, as gash fillings, and as micro-veinlets. **Intrusive contact** ore bodies are mainly associated with intrusive rocks; they include **skarn** deposits which result from contact metamorphism and metasomatism. **Placer** deposits are mechanical accumulations of high density minerals in alluvial or glacial sediments. **Residual** deposits are concentrations of minerals resulting from the decomposition and removal of the non-ore material of the host rock.

ORE GRAINSIZE

Ore grainsize categories, based on the size of individual mineral grains, are defined below:

Very fine	microscopic
Fine	less than 0.5 mm
Medium	0.5 to 2 mm
Coarse	2 to 10 mm
Very coarse (pegmatitic)	greater than 10 mm

WALLROCK ALTERATION

Only the most common alteration types, based on the classic porphyry alteration systems, are included in this section. Other alteration types should be described in the 'Remarks' field.

Argillic alteration is characterised by minerals such as dickite, kaolinite, pyrophyllite, montmorillonite, some quartz and sericite, and pyrite, topaz, tourmaline, alunite and amorphous clays.

Sericitic (phyllic) alteration is characterised by the mineral assemblage sericite + quartz + pyrite. Topaz, zunyite, and inclusions of potassium-feldspar and biotite may also be present. Siderite, rhodochrosite and manganosiderite are common alteration minerals in limestone.

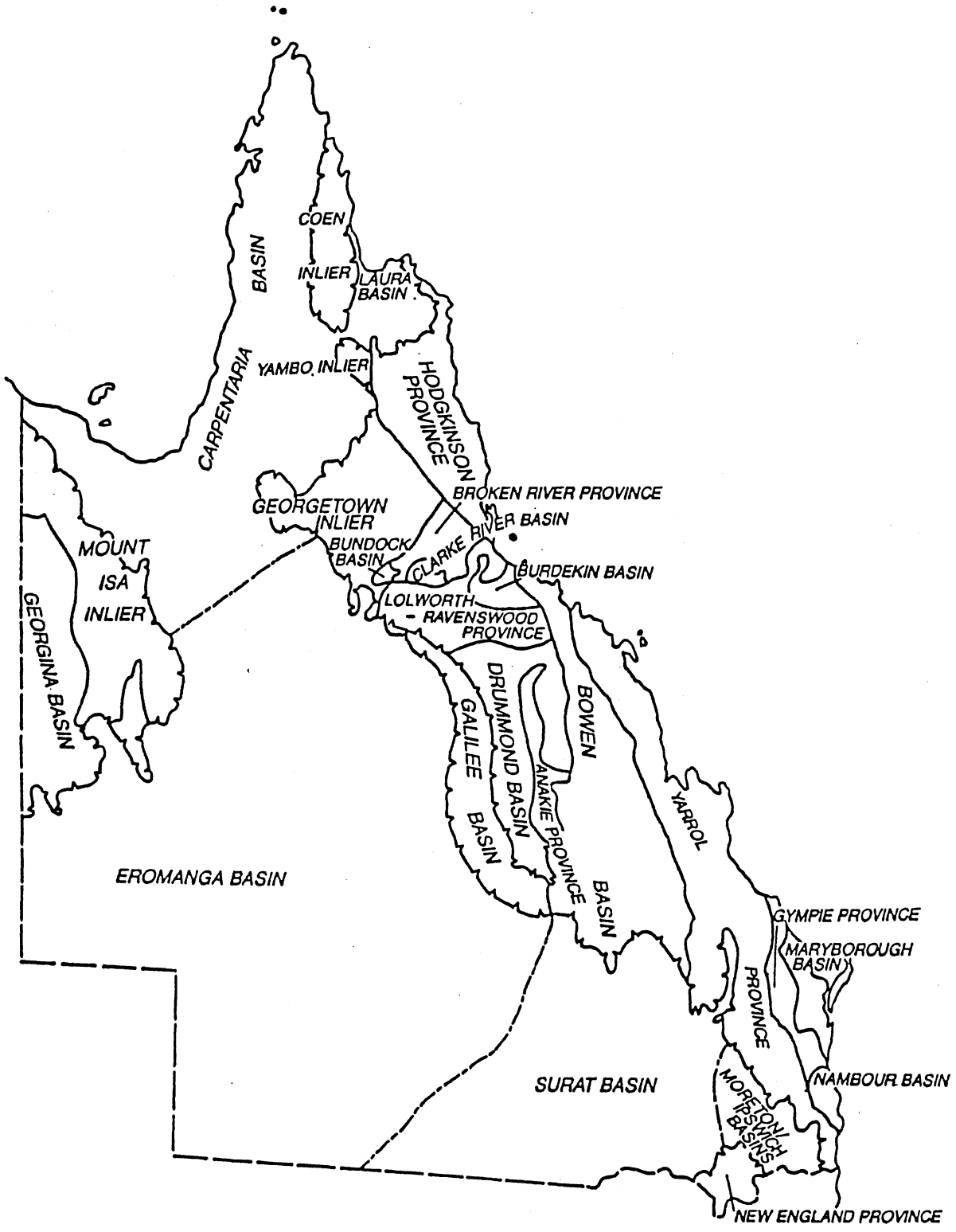

Figure 2.2 : Main geological provinces of Queensland

Propylitic alteration assemblages commonly include epidote, zoisite, clinozoisite, albite, chlorite, carbonates, sericite, pyrite and zeolite. Hematite, jarosite and goethite are also commonly present.

Potassium-silicate (potassic) alteration assemblages are typified by the presence of potassium-feldspar (orthoclase, microcline, adularia), mica, anhydrite and iron-bearing carbonates. Green biotite/chlorite is sometimes present; clay minerals are absent. Pyrite, chalcopyrite and molybdenite are commonly associated sulphides.

Silicification encompasses all forms of silica enrichment and is characterised by an increase in macrocrystalline quartz, microcrystalline chalcedony, or amorphous opaline silica. Alteration due to near-surface processes (silcretes, etc.) is excluded from this category.

SUPERGENE ALTERATION

This category refers to surface processes which have removed or redeposited material, usually as a result of the effects of meteoric water.

If supergene alteration has significantly affected the viability of a deposit, either favourably or adversely, the type of alteration and the affected depth, if known, are given. This information is usually only available if the deposit has been extensively mined or drilled.

DEPOSIT DIMENSIONS AND ORIENTATION

Dimensions, strike and dip of the ore body, where known, are given in this section. Trends and approximate strike directions are indicated using a ' ' sign before the bearing. Data recording and entry are in the format "150 m long x 5 m wide x 10 m deep. Strike 100deg/80deg W dip.". For consistency, strikes should be given in a 000 degree to 180 degree range. Strike directions, unless otherwise indicated, are with respect to magnetic north.

ORE MINERALOGY

The primary and secondary minerals which constitute the ore are listed according to their **volumetric abundance, irrespective of economic implications.** Other minerals, usually non-metallic minerals, occurring in close association with the ore are listed under 'gangue' in their order of abundance. Generally, these minerals include silicates, carbonates, phosphates, sulphates and halides. Ore and gangue minerals are recorded in an abbreviated form (Appendix 2). Data recording and entry are in upper case, for example "PY, CPY, GAL". Where minerals or elements are suspected to be present in minor or trace amounts, the mineral code is in parentheses, for example "(ZR),(GA)". Commodity names (other than native elements) must not be recorded in this data field. The abbreviation "HTRK" can be used if the host rock forms part of the gangue of the mineralised lode or bed. Note that a significant proportion of unmineralised host rock may be present in the mullock owing to mining constraints.

ORE GENESIS

This section lists any theories on the genesis of the ore deposit which can be referenced from the reviewed literature. The data recorder's comments on the genesis of the ore deposit may also given in this section, along with the recorder's initials.

REMARKS

This section lists comments relevant to the mineral occurrence. It will usually include information on geology, mineralogy, mining history, tenure, company exploration, assay results, and field inspections. The results of company drilling, particularly intersections of economic interest, should also be described.

With this field are various code markings, such as "#GM" and "#CM". These markers will be used in the transfer of data from the MINOCC struture to the MINDEP structure, and should be disregarded at this stage.

REFERENCES

Published and unpublished references for each mineral occurrence are listed in the last field of the data sheet. The following abbreviations may be used: AGGSNA - Aerial Geological and Geophysical Survey of Northern Australia Report; AP - Authority to Prospect; ARDM - Annual Report of the Department of Mines; AUSIMM - Australasian Institute of Mining and Metallurgy Publication; C - Confidential; CR - Company Report No.; EPM - Exploration Permit (Minerals); GSQ - Geological Survey of Queensland; MLA - Mining Lease Application File No.; ML - Mining Lease File No.; QGMJ - Queensland Government Mining Journal. However, abbreviations other than for company reports, mining lease, Authority to Prospect and Exploration Permit files, and ARDM's should be avoided if possible; most other references should be recorded in the form 'author (year)'. References should be listed in alphabetical order. The format for data recording and entry is as follows: "AP 10000M(CR 20000); ARDM(1905-1910); EPM 10001(CR 20005, 20010C); Jones(1941); Smith(1962)".

References to company reports (CR numbers) are given in the Bibliography. Open-file company reports can be inspected at the Central Information Services Counter, 5th floor, Queensland Minerals and Energy Centre, 61 Mary Street, Brisbane. Confidential company reports are placed on open file after Exploration Permits are relinquished. Most other references given in the Bibliography should be available through the Department of Resource Industries Library, Central Information Services Subprogram.

REFERENCES

AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY, 1989: Australasian Code for reporting of identified mineral resources and ore reserves. Report of the Joint Committee of the Australasian Institute of Mining and Metallurgy and Australian Mining Industry Council, February 1989.

Table 2.1 : Database fields definition

Field Name	Definition	Type	Width
RECNUM	Record sequence number	N	4
NAME	Mine/occurrence name	C	80
REFNO	Numeric reference no.	C	6
ONE100000	1:100 000 Sheet name	C	15
ONE100000N	1:100 000 Sheet numeric reference	N	4
COMMODITY1	Principal commodity	C	10
COMMODITY2	Secondary commodity	C	10
COMMODITY3	Tertiary commodity	C	10
COMMODITY4	Other commodities to index	C	25
GRIDREFE	Grid easting	N	6
GRIDREFN	Grid northing	N	7
GRIDACC	Source and accurracy of grid co-ordinate	C	50
MINEFIELD	Mining field description	C	15
GENLOCAL	GENERAL TOPOGRAPHIC LOCATION	C	33
LOCALITY	Geographical locality description	C	3
LOCALACC	Source/a	C	60
MININGTENR	Mining tenure description	C	90
RECORDBY	Initials of recording geologist/technician	C	7
ONE250000	1:250 000 Sheet name	C	15
ONE250000R	1:250 000 Sheet numeric reference	C	7
MINEDIST	Mining district description	C	15
DATE	Visit date of site recording	D	8
OPERATING	Operating mine Y/N	C	1
ABANDONED	Abandoned mine Y/N	C	1
PROSPECT	Prospect Y/N	C	1
MINERALOCC	Mineral occurrence Y/N	C	1
OPENCUT	Opencut Y/N (or number)	C	1
UNDERGROUN	Underground Y/N	C	1
PITS	Pits Y/N (or number)	C	2
SHAFTS	Shafts Y/N (or number)	C	2
TRENCHES	Trenches Y/N (or number)	C	2
ADITS	Adits Y/N (or number)	C	2
DREDGING	Dredging &/or sluicing Y/N	C	1
SURFACE	Surface mining Y/N	C	1
WRKDEPTH	Depth extent of workings (m)	C	9
WRKLENGTH	Length extent of workings (m)	C	9
WRKWIDTH	Width extent of workings (m)	C	9
PRODPERIOD	Period of production	C	40
TOTALPRODO	Record of total ore production	C	20
TOTALPRODM	Record of total commodity production	C	40
PRODANNUAL	Annual production	C	43
RESERVESGD	Reserves, grade and status	C	254
EXPCOMPNYP	Exploration companies/period	C	254
TECHGEOL	Techniques used-geology Y/N	C	1
TECHGEOPH	Techniques used-geophysics Y/N	C	1
TECHGEOCHM	Techniques used-geochemistry Y/N	C	1
TECHDRILL	Techniques used-drilling Y/N	C	1
TECHCOST	Techniques used-costeaning Y/N	C	1
NOT KNOWN	Techniques used-others	C	1
PROVBASIN	Geological province or basin	C	38
FORMATION	Geological formation	C	80

Field Name	Definition	Type	Width
HOSTROCK	Host rock type	C	90
HROCKAGE	Geological age of host rock	C	6
MINERALAGE	Geological age of mineralization	C	6
STRUCFRACT	Structural affiliations-fracture	C	1
STRUCFAULT	Fault	C	1
STRUCSHEAR	Shear zone	C	1
STRUCJOINT	Joints	C	1
STRUCCLEAV	Cleavage	C	1
STRUCSCHIS	Schistosity	C	1
STRUCFOLDH	Fold hinge	C	1
STRUCFOLDL	Fold-limb	C	1
STRUCOTHER	Other	C	1
STRUCCONTE	Contemporaneous structures	C	1
STRUCPREOR	Pre-ore affiliations	C	1
STRUCPOSTO	Post-ore affiliations	C	1
ORETEXTSLO	Ore textures-structureless	C	1
ORETEXTSCH	Ore textures-schistose	C	1
ORETEXTBAN	Ore textures-banded	C	1
ORETEXTOTH	Ore textures - others	C	1
ORETEXTCAT	Ore textures-cataclastic	C	1
ORETEXTBRE	Ore textures-breccia-fill	C	1
ORETEXTNOD	Ore textures-nodular	C	1
ORETEXTUNK	Ore texture-unknown	C	1
ORETEXTDIS	Ore texture-disseminated	C	1
ORETEXTMAS	Ore texture-massive	C	1
STRATABOUN	Deposit form-stratabound	C	1
STRATIFORM	Deposit form - statiform	C	1
VEINS	Deposit form - veins	C	1
PIPE	Deposit form - pipe	C	1
STOCKWORK	Deposit form - stockwork	C	1
BRECCIAFIL	Deposit form - breccia fill	C	1
LENTICULAR	Deposit form - lenticular	C	1
TABULAR		C	1
IRREGULAR	Deposit form - irregular	C	1
DISSEMINAT	Deposit form - disseminated	C	1
INTRUSIVE	Deposit form - intrusive contact	C	1
PLACER	Deposit form - placer (alluvial)	C	1
RESIDUAL	Deposit form - residual (eluvial)	C	1
NOT DETERM	Deposit form - other	C	1
DISCORDANT	Deposit form - cross cutting	C	1
DIMORIENT	Dimensions/orientation (size, strike/dip)	C	160
OREMINPRIM	Primary ore minerals	C	45
OREMINSECD	Secondary ore minerals	C	45
GANGMINERA	Gangue minerals	C	40
OREGSIZEVF	Ore grain size-very fine	C	1
OREGFINE	Ore grain size-fine	C	1
OREMEDIUM	Ore grain size medium	C	1
ORECOARSE	Ore grain size-coarse	C	1
OREVCOARSE	Ore grain size-very coarse	C	1
OREUNKNOWN	Ore grain size-unknown	C	1
SGECONOMIC	Supergene alterations-economic Y/N	C	1
SGALTOXDEP	Supergene alterations-oxidation depth	N	6
SGLEACHDEP	Supergene alterations-leaching depth	C	10

Field Name	Definition	Type	Width
SGENRICH	Supergene alterations-enrichment depth	C	10
SGRESIDUAL	Residual enrichment depth	C	10
WALLRCKARG	Wall rock alteration-argillic	C	1
WALLRCKSER	Wall rock alteration-sericitic	C	1
WALLRCKPRO	Wall rock alteration-propylitic	C	1
WALLRCKKSI	Wall rock alteration-potassium silicate	C	1
WALLRCKSIL	Wall rock alteration-silicification	C	1
WALLRCKUNK	Wall rock alteration-other	C	1
OREGENESIS	Ore genesis description (with references)	C	206
REMARKS	Remarks text	C	254
REMARKSCON	Continued remarks	C	254
TEXTOVF	Continued remarks	C	254
REFERENCES	References text	C	254
EXTREFEREN	Additional references	C	254
COVER-D-AVER	Average depth of cover over orebody(m)	N	6
AREA-AVER	Outcrop on subscrap area of deposit (km^2)	N	6
COMMENTSAR	Comments pertaining to the production figures	C	50
COMMENTSRE	Comments pertaining to the reserves figures	C	50

APPENDIX 3

STANDARD ABBREVIATIONS FOR MINERALS AND ELEMENTS

CODE	MINERAL
AB	ALBITE
ACM	ACMITE
ACT	ACTINOLITE
ADL	ADULARIA
AE	AGATE
AEG	AEGIRINE
AG	SILVER
ALB	ALABANDITE
ALM	ALMANDINE
ALN	ALLANITE
ALP	ALLOPHANE
ALS	ALABASTER
ALU	ALUNITE
AME	AMETHYST
AML	AMBLYGONITE
AMPH	AMPHIBOLE
AN	ANORTHITE
ANAT	ANATASE
ANB	ANNABERGITE
ANCT	ANALCIME
ANDL	ANDALUSITE
ANDR	ANDRADITE
ANDS	ANDESINE
ANGT	ANGLESITE
ANHY	ANHYDRITE
ANK	ANKERITE
ANOR	ANORTHOCLASE
ANTI	ANTIGORITE
ANTL	ANTLERITE
AP	APATITE
APHY	ANTHOPHYLLITE
AQUA	AQUAMARINE
ARAG	ARAGONITE
ARC	AURICHALCITE
ARF	ARFVEDSONITE
ARG	ARGENTITE
ARS	ARSENOLITE
AS	ARSENIC
ASB	ASBESTOS
ASPY	ARSENOPYRITE
ATC	ATACAMITE
ATN	AUTUNITE
AU	GOLD
AUG	AUGITE
AX	AXINITE
AZ	AZURITE
BAR	BARITE
BENT	BENTONITE
BER	BERYL
BERT	BERTRANDITE
BHM	BOEHMITE
BI	BISMUTH
BIM	BISMITE
BIOT	BIOTITE
BIS	BISMUTHINITE
BIT	BISMUTITE
BLT	BOULANGERITE
BN	BORNITE

CODE	MINERAL
BO	BORAX
BRC	BORACITE
BRCH	BROCHANTITE
BRK	BROOKITE
BRT	BOURNONITE
BRU	BRUCITE
BRY	BROMYRITE
BRZ	BRONZITE
BX	BAUXITE
BYT	BYTOWNITE
C	CARBON
CALC	CALCITE
CALM	CALOMEL
CANC	CANCRINITE
CARB	CARBONATE/S
CBE	CHRYSOBERYL
CC	CHALCOCITE
CEL	CELESTITE
CER	CERUSSITE
CEV	CERVANTITE
CHAB	CHABAZITE
CHAP	CHAPMANITE
CHCN	CHALCANTHITE
CHD	CHLORITOID
CHDY	CHALCEDONY
CHEN	CHENEVIXITE
CHIA	CHIASTOLITE
CHK	CHALK
CHL	CHLORITE
CHLO	CHLOANTHITE
CHLY	CHALYBITE
CHND	CHONDRODITE
CHR	CHROMITE
CHRT	CHERT
CHRY	CHRYSOPRASE
CHTR	CHALCOTRICHITE
CHYC	CHRYSOCOLLA
CHYL	CHRYSOTILE
CHYT	CHRYSOLITE
CIN	CINNABAR
CLIZ	CLINOZOISITE
CLPH	COLLOPHANE
CLS	CELSIAN
CN	CORUNDUM
CO	COBALT
COB	COBALTITE
COL	COLEMANITE
COLU	COLUMBITE
CORD	CORDIERITE
COS	COSALITE
CPX	CLINOPYROXENE
CPY	CHALCOPYRITE
CRB	CRISTOBALITE
CRC	CROCIDOLITE
CRG	CERARGYRITE
CRL	CARNALLITE
CRM	CRYPTOMELANE
CRN	CARNOTITE

CODE	MINERAL
CRT	CROCOITE
CRY	CRYOLITE
CST	CASSITERITE
CU	COPPER
CUMM	CUMMINGTONITE
CUP	CUPRITE
CV	COVELLITE
CVT	CALAVERITE
CY	CLAY
DATO	DATOLITE
DCK	DICKITE
DI	DIOPSIDE
DIA	DIASPORE
DIAT	DIATOMITE
DIG	DIGENITE
DMD	DIAMOND
DO	DOLOMITE
DPT	DIOPTASE
DSC	DYSCRASITE
E	EMERY
EMD	EMERALD
ENG	ENARGITE
ENST	ENSTATITE
EPD	EPIDOTE
EPS	EPSOMITE
ERT	ERYTHRITE
FAY	FAYALITE
FBGT	FREIBERGITE
FE	IRON
FEB	FERBERITE
FEP	FELDSPATHOID
FEST	IRONSTONE
FL	FLUORITE
FLT	FLINT
FMB	FERRIMOLYBDITE
FRK	FRANLINITE
FRT	FORSTERITE
FS	FELDSPAR
FUS	FUCHSITE
GA	GALLIUM
GAL	GALENA
GBS	GIBBSITE
GHN	GAHNITE
GL	GLAUCONITE
GLN	GLAUCOPHANE
GN	GARNET
GOET	GOETHITE
GOS	GOSLARITE
GRK	GREENOCKITE
GRL	GROSSULARITE
GRN	GARNIERITE
GRS	GERSDORFFITE
GSN	GREISEN
GT	GRAPHITE
GYP	GYPSUM
HA	HALITE
HB	HORNBLENDE
HDB	HEDENBERGITE

CODE	MINERAL
HDZ	HYDROZINCITE
HEM	HEMATITE
HER	HERCYNITE
HEUL	HEULANDITE
HG	MERCURY
HLY	HALLOYSITE
HMT	HEMIMORPHITE
HST	HASTINGSITE
HTRK	HOST ROCK
HY	HYPERSTHENE
HYBT	HYDRO-BIOTITE
HYCN	HYACINTH
IDD	IDDINGSITE
IL	ILLITE
ILS	ILSEMANNITE
IM	ILMENITE
JAR	JAROSITE
JASP	JASPER
JCB	JACOBSITE
JCN	JACINTH
JD	JADE/JADEITE
JMS	JAMESONITE
JOS	JOSEITE
KAO	KAOLIN/KAOLINITE
KFS	POTASH FELDSPAR
KR	KRENNERITE
KY	KYANITE
LAB	LABRADORITE
LAUM	LAUMONTITE
LCX	LEUCOXENE
LIM	LIMONITE
LPD	LEPIDOLITE
LPDC	LEPIDOCROCITE
LRS	LARSENITE
LUC	LEUCITE
LWN	LAWSONITE
LZL	LAZULITE
LZT	LAZURITE
MAL	MALACHITE
MARC	MARCASITE
MARM	MARMATITE
MARP	MARIPOSITE
MAT	MATILDITE
MCL	MICROCLINE
MCT	MICROLITE
MGC	MAGNESIOCHROMITE
MGF	MAGNESIOFERRITE
MHLY	METAHALLOYSITE
MI	MICA
MLN	MELANTERITE
MLR	MILLERITE
MLT	MELANITE
MMT	MIMETITE
MN	MANGANESE
MNG	MENEGHINITE
MNT	MANGANITE
MO	MOLYBDENUM
MOLB	MOLYBDITE

CODE	MINERAL
MOLY	MOLYBDENITE
MONT	MONTMORILLONITE
MOTR	MONTROYDITE
MRT	MARTITE
MS	MAGNESITE
MST	MASSICOT
MT	MAGNETITE
MUS	MUSCOVITE
MZ	MONAZITE
NAT	NATROLITE
NEP	NEPHELINE
NI	NICKEL
OLGC	OLIGOCLASE
OLN	OLIVINE
OLVT	OLIVINITE
OP	OPAL
OPX	ORTHOPYROXENE
OR	ORTHOCLASE
ORP	ORPIMENT
PARG	PARAGONITE
PB	LEAD
PBD	PITCHBLENDE
PBJA	PLUMBO-JAROSITE
PD	PALLADIUM
PENT	PENTLANDITE
PERC	PERICLASE
PERD	PERIDOT
PERL	PERLITE
PH	PHOSPHATE
PHCT	PHENACITE
PHLG	PHLOGOPITE
PHOS	PHOSPHORITE
PHS	PHOSGENITE
PLAG	PLAGIOCLASE
PLB	POLYBASITE
PLL	POLLUCITE
PMT	PIEMONTITE
POW	POWELLITE
PP	PYROPHYLLITE
PREH	PREHNITE
PRL	PYROCHLORE
PRS	PROUSTITE
PSM	PSILOMELANE
PT	PLATINUM
PTH	PERTHITE
PTZ	PETZITE
PUM	PUMPELLYITE
PX	PYROXENE
PY	PYRITE
PYG	PYRARGYRITE
PYL	PYROLUSITE
PYM	PYROMORPHITE
PYP	PYROPE
PYRH	PYRRHOTITE
Q	QUARTZ
RHD	RHODOCHROSITE
RHL	RHODOLITE
RHN	RHODONITE

CODE	MINERAL
RIEB	RIEBECKITE
RLG	REALGAR
RUBY	RUBYONITE
RUT	RUTILE
S	SULFUR
S	SULPHUR
SAN	SANIDINE
SAPP	SAPPHIRE
SB	ANTIMONY
SCAP	SCAPOLITE
SCHE	SCHEELITE
SCR	SCORODITE
SEL	SELENITE
SEN	SENARMONTITE
SER	SERICITE
SERP	SERPENTINE
SI	SILICA
SID	SIDERITE
SILL	SILLIMANITE
SKT	SKUTTERUDITE
SMC	SMECTITE
SMN	SMITHSONITE
SMS	SEMSEYITE
SMT	SMALTITE
SN	TIN
SOD	SODALITE
SP	SPINEL
SPL	SPHALERITE
SPN	SPHENE
SPOD	SPODUMENE
SPR	SPERRYLITE
SPS	SPESSARTITE
SRT	STRONTIANITE
STAU	STAUROLITE
STBC	STIBICONITE
STEA	STEATITE
STIB	STIBNITE
STIL	STILBITE
STL	STOLZITE
STN	STANNITE
STP	STEPHANITE
STY	STROMEYERITE
SYL	SYLVANITE
SYV	SYLVITE
TAT	TANTALITE
TBR	TORBERNITE
TC	TALC
TELL	TELLURIDES
TENN	TENNANTITE
TET	TETRAHEDRITE
THN	THORIANITE
THT	THORITE
TI	TITANIUM
TIT	TITANITE
TNT	TENORITE
TORB	TORBERNITE
TOU	TOURMALINE
TPZ	TOPAZ

CODE	MINERAL
VVT	VIVIANITE
W	TUNGSTEN
WLF	WULFENITE
WLM	WILLEMITE
WOL	WOLLASTONITE
WOLF	WOLFRAMITE
WRT	WURTZITE
WTH	WITHERITE
WV	WAVELLITE
XEN	XENOTIME

CODE	MINERAL
ZEOL	ZEOLITE
ZIN	ZINNWALDITE
ZIR	ZIRCON
ZKN	ZINKENITE
ZN	ZINC
ZNC	ZINCITE
ZOI	ZOISITE
ZR	ZIRCONIUM
ZUN	ZUNYITE

APPENDIX 4

EXPLORATION METHODS - KEY TO ABBREVIATIONS

EXPLORATION METHODS - KEY TO ABBREVIATIONS

GL

GEOLOGY

A	geological mapping (regional)
B	geological mapping (detailed)
C	geological reconnaissance
D	landsat
E	photography
F	petrology/mineragraphy

GP

GEOPHYSICS

(Aerial Surveys)

G	EM
H	gravity
I	magnetic
J	radioactivity

(Ground Surveys)

K	EM/TM
L	gravity
M	IP & EP
N	magnetic
O	radioactivity
P	resistivity
Q	seismic
R	SP
S	downhole logging

GC

GEOCHEMISTRY

(Sampling Type)		(No. of samples)	
T	bulk	0	Unknown
U	core	1	<20
V	cuttings	2	20-50
W	geobotanical	3	51-100
X	gas	4	101-200
Y	grab/dump	5	>200
Z	water		
a	panconcentrate		
b	rock chip		
c	soil		
d	stream sediment		
e	chemical assay results		

D

DEVELOPMENTS & DRILLING

f	costeaning/pitting
g	underground (shafts/adits)
h	diamond/core drilling
i	percussion drilling
j	rotary drilling
k	reverse circulation drilling
l	auger drilling
m	bucket drilling

R

RESEARCH & ASSESSMENT

n	environmental studies
o	feasibility studies
p	geostatistics
q	literature reviews
r	metallurgical studies
s	mine design
t	mineral processing
u	ore reserves/resources
v	hydrogeological studies