

EL 32 / 2001
SCOTIA
NORTH EAST TASMANIA

COMBINED ANNUAL REPORT

FOR THE YEARS ENDING

19TH APRIL 2005

AND

19TH APRIL 2006

VAN DIEMAN MINES PTY LIMITED

30TH October 2006

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OVERVIEW

During 2004 title to this tenement was transferred from Mineral Holding Australia Pty Limited to Van Dieman Mines Pty Ltd (VDM). That company is a wholly owned subsidiary of a United Kingdom publicly listed AIM (Alternative Investment Market - London Stock Exchange) company, Van Dieman Mines Plc. Due to budgetary constraints Mineral Holdings had conducted little work during the early part of 2004.

In late 2004 VDM commenced a re-assessment of the Mineral Holdings database and as part of that work began to compile all available drilling data into a GIS database. This enabled VDM to update drilled resources contained within the Scotia and Lochaber leads and led to the Company's pegging and application for ML 15M / 2004. That tenement encompasses the southern section of the alluvial tin bearing leads that lie within Crown Land to the north and west of the Ringarooma River north of Gladstone township.

The company has recently acquired further drilling data resulting from work conducted by MRT during the period 1902 to 1917, by Utah Development in 1966 and by Amdex Mining in 1980. That data has been digitized and added to the GIS database. In addition, company staff have managed to locate many features depicted on a map prepared by P.B. Nye, Government Geologist, 1932 (MRT FILE UR1932A_17_44). These features will be accurately located using DGPS survey techniques and the Nye plan features added to current map bases.

The Company plans to trial GPR (Ground Penetrating Radar) geophysical survey techniques over selected sections of the Scotia Lead that lie within ML 15M / 2004. These works will be conducted to determine if GPR could be used on a regional basis to track possible extensions to subsidiary leads to the main Scotia - Lochaber lead. Results of that survey will appear in the next annual report.

The Company is continuing to conduct field activities within the tenement and in the next year will trial several seismic survey techniques over the known leads and potential lead extensions.

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	LOCATION AND ACCESS	2 - 5
3.0	HISTORICAL BACKGROUND	6 - 10
4.0	GEOLOGY	11 - 21
	4.1 REGIONAL SETTING	11 - 14
	4.2 LOCAL GEOLOGY	15
	4.3 RECENT EXPLORATION	16 - 21
5.0	PROPOSED WORK PROGRAMS	22
6.0	CONCLUSIONS	23
7.0	BIBLIOGRAPHY	24
8.0	APPENDICES	25 - 56
	8.1 HISTORICAL DRILL LOGS AFTER ROACH, 1917 - MCGREGOR'S	25 - 33
	8.2 HISTORICAL DRILL LOGS AFTER ROACH, 1917 - BELTZ	34 - 42
	8.3 HISTORICAL DRILL LOGS AFTER ROACH, 1917 - DOONE'S	43 - 51
	8.4 TEST RESULTS, MINERAL HOLDINGS, 2001.	52 - 56

LIST OF FIGURES

		PAGE
FIGURE 1	LOCATION PLAN (AIR PHOTO BASE)	3
FIGURE 2	LOCATION PLAN (TOPOGRAPHIC BASE)	4
FIGURE 3	LOCATION PLAN (SATELLITE PHOTO BASE)	5
FIGURE 4	GEOLOGICAL PLAN OF EL 32 / 2001	13
FIGURE 5	DRILL HOLE LOCATION PLAN	14
FIGURE 6	DOONE'S WORKINGS - DRILL HOLE LOCATIONS	18
FIGURE 7	DOONE'S WORKINGS - DRILL CROSS SECTIONS "A"	19
FIGURE 8	DOONE'S WORKINGS - DRILL CROSS SECTIONS "B"	20
FIGURE 9	DRILL CROSS SECTION, 1902 DRILL PROGRAM	21

LIST OF TABLES

TABLE 1	REGIONAL GEOLOGICAL SETTING, MAJOR GEOLOGICAL UNITS	12
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1.0 INTRODUCTION:

The tenement encompasses a large tract of the Great Northern Plain lying immediately adjacent and to the north of the Ringarooma River. Immediate alluvial tin / sapphire targets within the tenement include a number of subsidiary leads that are postulated to flow into the main Scotia - Lochaber Lead. These include Newhaven, Mallinson's, Doone's and Richards & Murray's that lie to the west of the main lead. In the north western section of the tenement field work has been concentrated on defining the limits of old workings such as Taylor's, Beltz and McGregor's and old drill hole locations peripheral to those workings.

VDM is continuing to update its GIS database. Recent acquisition of old drill records and drill hole location plans, circa 1916, have been added and location of those onto the modern map base is well advanced. Preliminary studies of those data and site studies indicate that a shallow alluvial tin resource exists around and to the north and north-west of McGregor's Workings and to the north east of Taylor's and the Beltz Workings. Logs of those drill programs are appended to this report.

Road access was upgraded during 2005 with old tracks being cleared of re-growth and deadfall, road drains cleaned and upgraded and new drains placed in areas prone to erosion. Road repairs including placing of steel pipe culverts have been conducted on a regular basis as sections degrade.

2.0 LOCATION AND ACCESS:

The tenement is centered approximately 4 km northwest of the Township of Gladstone and encompasses the south and south eastern section of the Great Northern Plains. The Ringarooma River bounds the area to the south. The centroid of the area is located at 583,000mE; 5,469,000mN AMG. Figures 1, 2 and 3.

Access is via a track from the Cape Portland Road north to the site of the old Dorset Tin Shed site on the Great Northern Plains. From that point the track splits with diversions along the Ringarooma River west to Aberfoyle Hill and east past the old Government dam to the Rushy Lagoon boundary fence.

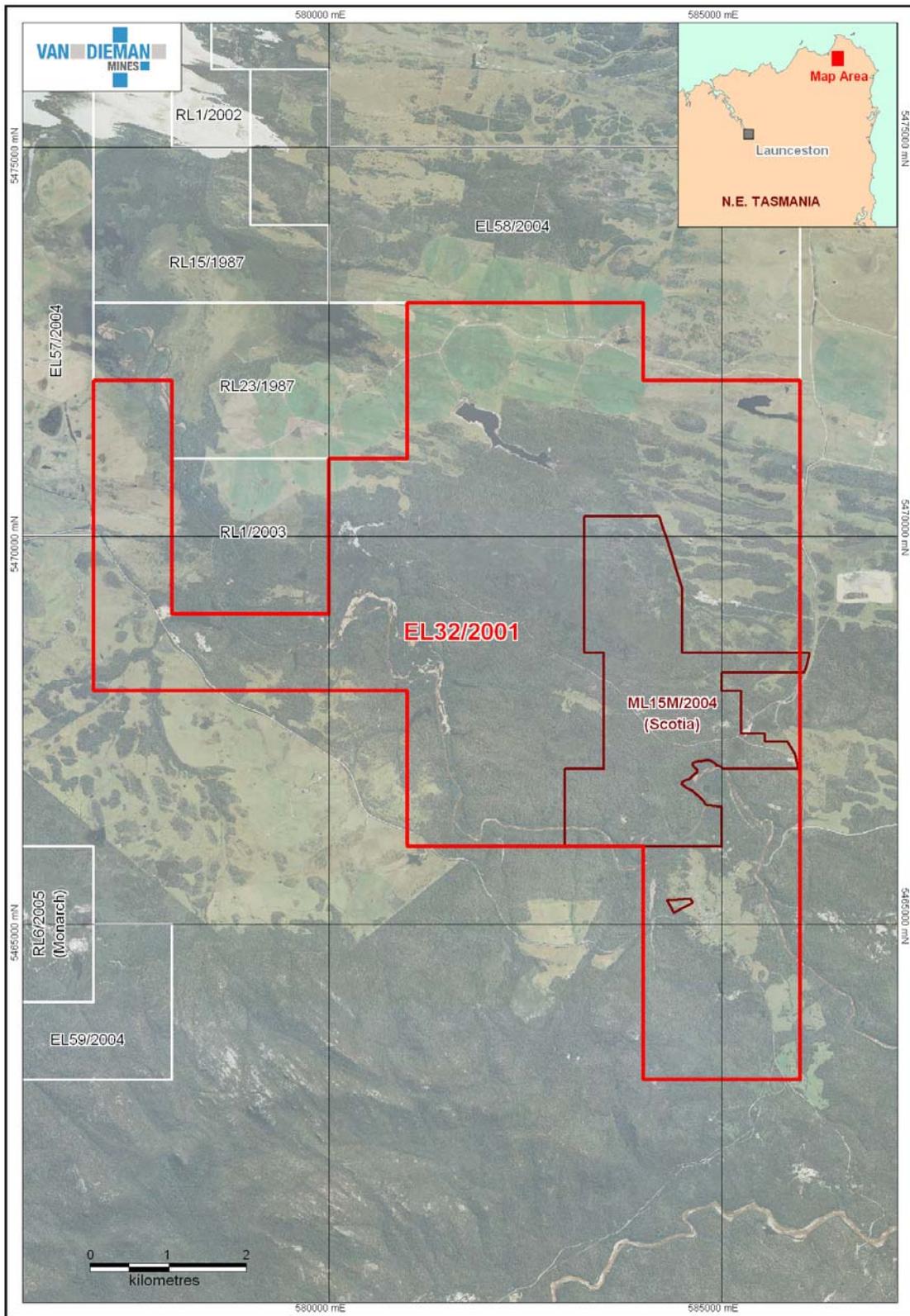


Figure 1 - Tenement Location Map (on aerial photography)

VDMmap0610-021

FIGURE 1 - LOCATION PLAN
AIRPHOTO BASE

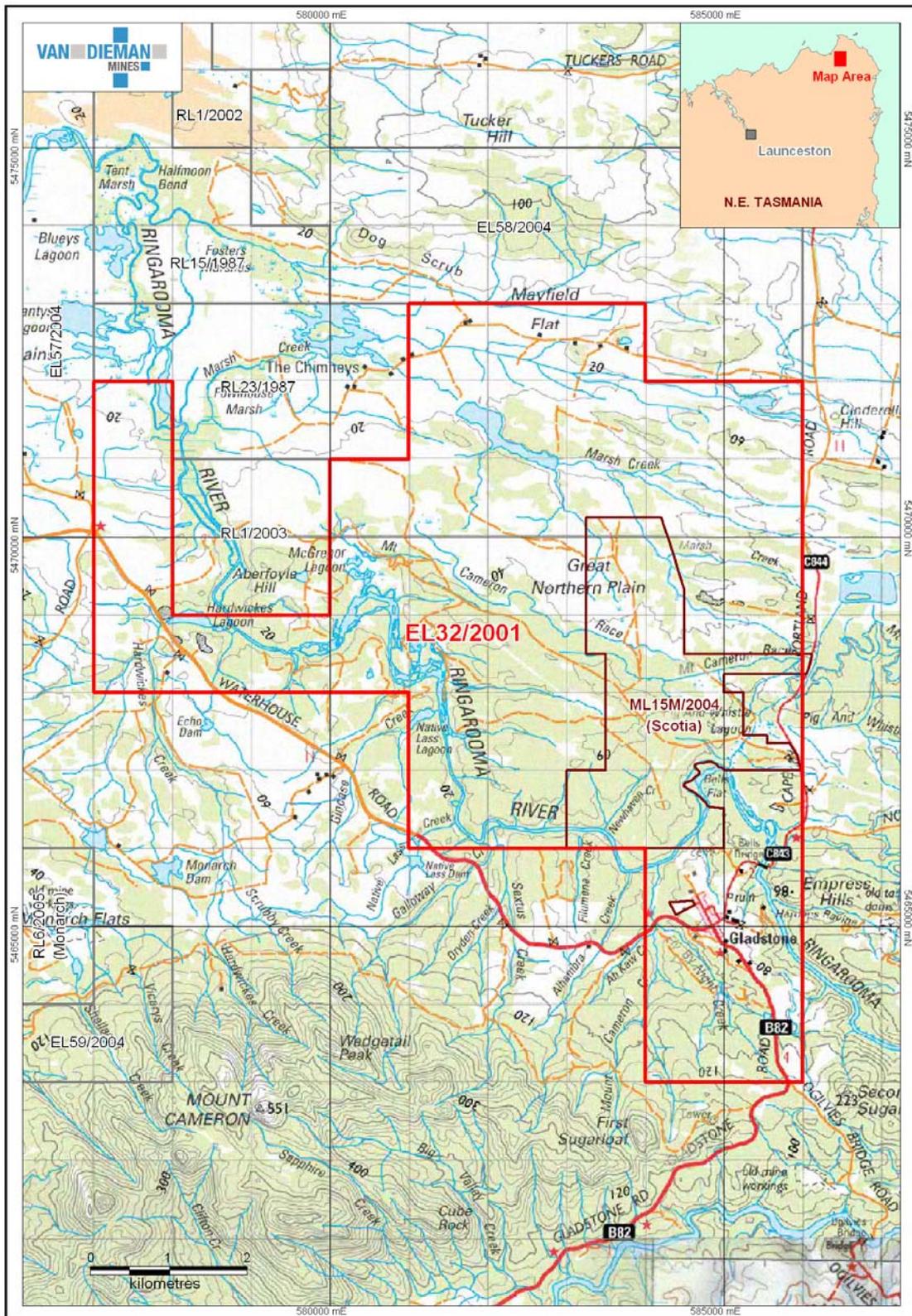


Figure 2 - Tenement Location Map (on 100K topography)

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**FIGURE 2 - LOCATION PLAN
TOPOGRAPHIC BASE**

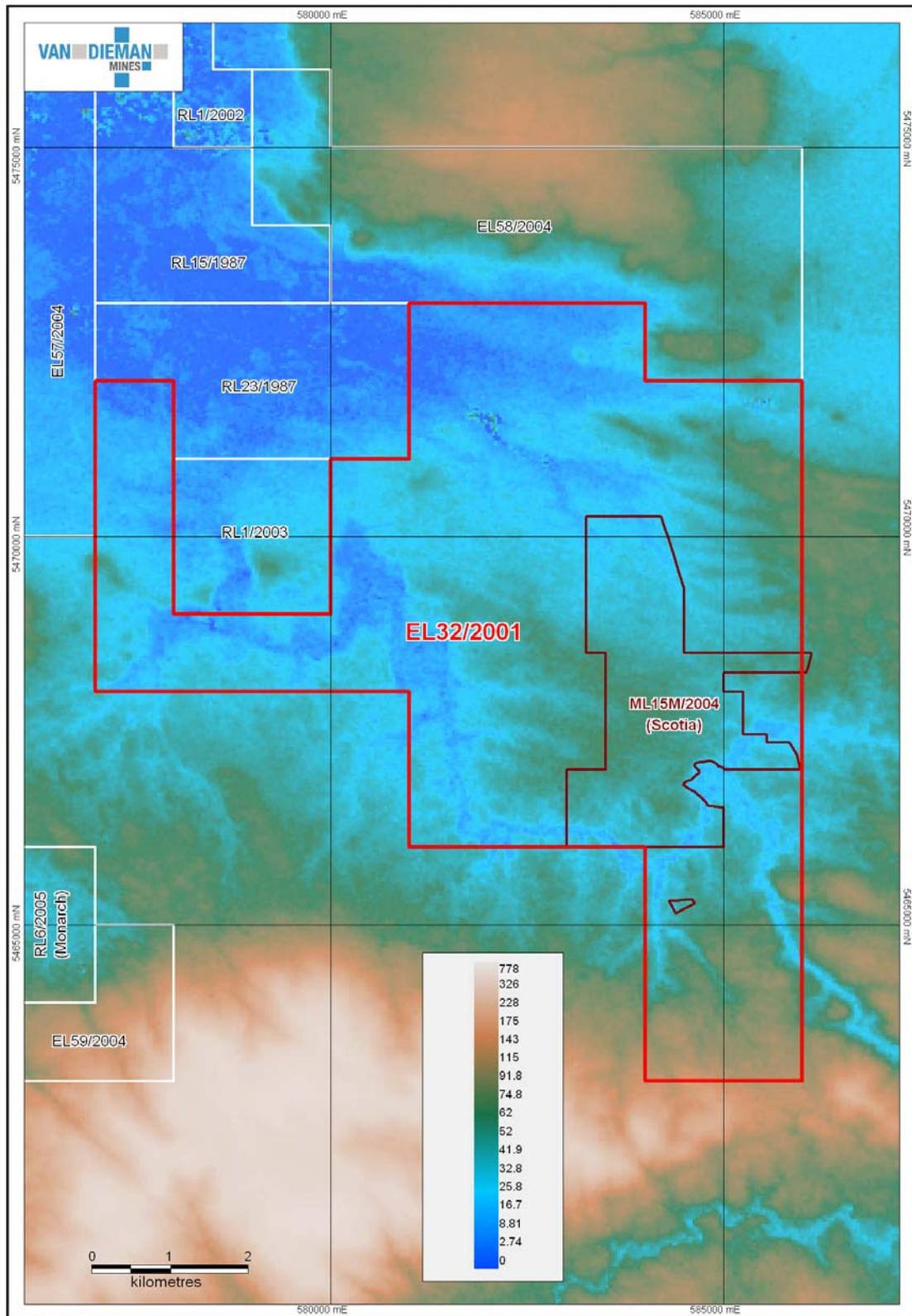


Figure 3 - Tenement Location Map (on SRTM elevation image)

VDMmap0611-003

FIGURE 1 - LOCATION PLAN
SATELLITE IMAGE BASE

3.0 HISTORICAL BACKGROUND:

Alluvial tin was first worked in the general area in about the early 1880's. During the period from 1880 to about 1920 alluvial workings were developed along the northern bank of the Ringarooma River from Scotia, Lochaber, Mallinson's, Doone's, Richards and Murray's in the south. In the central section and again along the northern bank of the River workings were developed at Black Duck, Wainwright's and Richardson's. In the north and north-west very extensive workings were developed at Aberfoyle, McGregor's, Beltz, Taylor's, Canary and the Roy areas.

More specifically historical details of old works include:

THE NORTHERN WORKINGS

A. ABERFOYLE WORKINGS:

Alluvial tin was first worked in the Aberfoyle area in the early 1880's. For a number of those early years the main workings were controlled by the Aberfoyle Company and peripheral workings such as the Boomerang and Sea-Shell were operated by You Hen and other Chinese miners. The company has recently located several Chinese dwelling and camp areas along the south western edge of the Aberfoyle workings.

In 1906 the New Aberfoyle Company commenced operations and was succeeded in 1909 by the Aberroe Tin Mining Co. N. L. The latter group did not register its operations until 1912. Mining continued until around 1916 at which time many of the working faces were connected resulting in three main worked cuts; the Eastern, the Main and the Western or Curnow's workings.

There are no production records for the early production years up to 1906. From 1906 to 1916 the New Aberfoyle and Aberroe companies produced some 129.3 tons of concentrate with peak production of 22 tons occurring in 1910.

Development of these deposits was limited by water supply and operating hydraulic head. Water races were developed from the Boobyalla River and across the Ringarooma River by an inverted siphon system and from the Mt Cameron Water Race.

It is doubtful if any further development occurred at Aberfoyle after 1916 probably due to a large fall in tin prices after 1918.

B. MCGREGOR'S WORKINGS:

Working probably commenced at McGregor's around the same time as at Aberfoyle. Few records have been obtained however the earliest Departmental work appears to have occurred in 1902 with the drilling of four holes, Government Line 6, in the floor of the McGregor open cut. In addition to this program, in 1917 the Department (Roach's Drilling) put down a further 127 drill holes to the south and the west of the workings.

Nye (1932) reported that Mallinson worked ground close to those holes and is reported to have recovered some 37 tons of tin from the ground he worked. Nye reports that this equates to a return of 1.5 lb / cubic yard.

The McGregor workings appear to have been developed by means of a series of tails races along the eastern edge of the deposit. Mallinson and several others who also worked the area appear to have used a power plant (probably steam driven) to operate nozzles and an elevator.

C. BELTZ WORKINGS:

This large worked area immediately north east of McGregor's was first developed by H. Beltz in about 1911 as ML's 7037/M, 7038/M and 7092/M. Beltz operated for a number of years and the workings were taken over by Ogilvie and Packett who continued until the water supply was cutoff in 1922.

In 1917 the Department (Roach) put down 39 drill holes in the vicinity of these workings and at the time of the Nye inspection in 1932 some of those holes had been worked away. The mine appears to have been developed using water from the No. 1 Government Dam using a long pipe column. Working ceased when the water was cut-off in 1922.

D. WORKINGS BETWEEN BELZ & CANARY:

Nye listed three small workings just to the south east of Beltz workings. The main working was developed by Taylor in about 1913 and the other two appeared to be small workings developed on either side of a short creek by Chinese diggers. The latter workings probably pre-dated Taylor. The current workings described as "Taylor's" are now far larger than those mapped by Nye and appear to have encompassed and expanded the old Chinese workings. The ground was worked using water from the No. 1 Government Dam.

E. CANARY WORKINGS:

These consist of three mine faces of which the largest is the Roy face. They appear to have been developed early in the local mine development process as Nye (1932) stated that the workings were abandoned and Twelvetrees (1901) stated that the workings were "unremunerative".

THE CENTRAL WORKINGS

A. RICHARDSONS WORKINGS:

These were situated within lease 9997/M and were probably developed around 1905 to 1906. The mine was worked using water from the Black Duck Dam which derived its water from the Mt Cameron Water Race.

Four small workings are located just north of Richardson's along the edge of the high bank of the Great Northern Plain. In 1917 the Department (Roach) put down a line of five drill holes east of the southernmost of those workings. Results were disappointing and the workings were not extended to the east.

B. WAINWRIGHT'S WORKINGS:

These workings were apparently developed within lease 9998/M around 1906 and take the form of a long narrow open cut apparently following a section of tin bearing valley infill.

C. BLACK DUCK WORKINGS:

These workings, developed to about 6 metres in depth are located on an alluvial terrace immediately east of the Ringarooma River. The workings were abandoned by 1899 and workings were not resumed after that date. The ground was bored by the Department (Roach) in 1917 however the plan and results appear to have been lost.

THE SOUTHERN WORKINGS

A. DOONE WORKINGS:

Included in this section are the Doone, Richards & Murray's and Cross workings. The Doone mine appears to have been developed before 1885 and was actively working during the period 1893 to 1898, there are no records of production. The Richard's and Murray's mine was developed later, around 1917 and work continued on that deposit for several years until the closure of the water race in 1922. There is no reference to the Cross workings which appear to be an easterly extension of the main Doone Lead.

Five small workings exist south of the Doone Lead and include Watt's Workings situated immediately adjacent to the Ringarooma River. These workings were apparently developed in a recent terrace of the river and commenced around 1916.

REGIONAL

The main workings appear to have been abandoned around 1922 when the water race was closed. After that period the area underwent a number of phases of exploration including:

After 1922 most work in the region was drill based, specifically:

- 1935 - Austral Malay drilled on the Great Northern Plains just north of Aberfoyle;
- 1955 - 56 - Dorset Tin Dredging investigated the area and drilled north and east of Aberfoyle looking for a dredge path onto the Great Northern Plains;
- 1958 - Rio Tinto Exploration drilled in the region but generally west and east of Aberfoyle;

- 1966 - Utah development conducted regional auger drilling in the general area and it is believed conducted some backhoe pitting near Aberfoyle;
- 1967 - The Mines Department drilled a line of holes just north of Aberfoyle from the Delta Workings eastward to the Scoloch Lead;
- 1971 - Portland Holdings carried out pitting and auger drilling in the immediate vicinity of the old alluvial workings:

Sea-Shell Workings	7 Channeled pits;
	1 Auger holes; and
	2 Percussion drill holes.
Curnow's Workings	2 Channeled pits; and
	1 Percussion drill hole.
Aberfoyle Hill	3 Pit samples; and
	3 Percussion drill holes.

Portland Holdings reported some excellent grades however their testing was not sufficient to define further resources or the directions in which the alluvial leads were trending. See Appendix 8.1.

- 1978 - Preussag Australia conducted work in the region including several lines of drill holes one of which was located just north of the Aberfoyle workings.

Mineral Holdings conducted bulk testing at Aberfoyle and at Taylor's in 2001, the results of the testing at Taylor's are appended to this report.

4.0 GEOLOGY

Since acquiring tenure to this property VDM has continued to reassess the regional geological setting particularly as it pertains to the alluvial deposition during the Tertiary period. Construction of a Tertiary basement map has confirmed the presence of a major marine embayment to the north of the tenement. The main Scotia - Lochaber Leads flow into this embayment in the vicinity of Mayfield Flats.

4.1 REGIONAL SETTING

It is not proposed to provide a detailed description of the older geological unit, a brief outline of the nature of each major unit is provided, in tabulated form, Table 1 and a geological map as Figure 4.

The tabulation sets out the significance of each unit. It is the Tertiary units, in particular the basal sections, that are of economic significance as they contain the heavy mineral concentrations; cassiterite, tantalite, gold and sapphire being the most economically important.

The Tertiary marine embayment is a significant local feature and appears to have hosted a number of regressive and transgressive phases during the Tertiary period. The presence of the embayment is supported by drill data, those data being encompassed in Annual reports for RL's 15 and 23 / 1987, by previous gravity geophysical surveys (Shell Exploration Bouguer Gravity, 1981) and by aeromagnetic data.

Both terrestrial and marine sediments are represented in the Tertiary profile at Aberfoyle and the area including McGregors, Beltz and Taylor's workings may also host sediments with a marine association. The Scotia and Lochaber Lead channels appear, in their upper sections (the southern end), to contain only terrestrial sediments, gravels, boulder deposits and sands and clays. In the northern section above Stinking Creek the channel broadens as it approaches the embayment and at this location there may be a marine component present in the sediment profile

**TABLE 1
REGIONAL SETTING - MAJOR GEOLOGICAL UNITS**

AGE	UNIT	DESCRIPTION	SIGNIFICANCE
DEVONIAN - CARBONIFEROUS	Blue Tier Batholith	Porphyritic fine to coarse grained granite / adamellite and biotite-hornblende granodiorite	Forms the tin rich Mt. Cameron Massif and basement around the southern edge of the Tertiary marine embayment. Locally may be a source of tin.
JURASSIC	Dolerite	Dolerite	Forms a resistant basement outcrop and is the bounding feature of the eastern edge of the Tertiary marine embayment. Sporadic outcrops may occur resting on granite basement along the southern edge of the embayment
ORDOVICIAN TO DEVONIAN	Mathinna Beds	Quartzwacke turbidite sequence locally hornfelsed adjacent to granite bodies	Forms basement in sections near Aberfoyle and Monarch and its low weathering resistance may lead to the development of tin rich Tertiary channels cut into the unit
TERTIARY	Unnamed	Sands, clays and gravels, locally bouldery. Lignite zones at some localities. Some evidence of ferricrete and silcrete development	Basal layers are generally tin (cassiterite) enriched, locally of economic significance. Also known to contain gold, sapphire, rutile, zircon and ilmenite
QUATERNARY	Unnamed	Highly variable: sands, clays, peats. Aeolian dune deposits. Swamps and marshy deposits	Locally represent overburden zones over Tertiary tin bearing alluvial deposits. Some recent gravels may be tin bearing

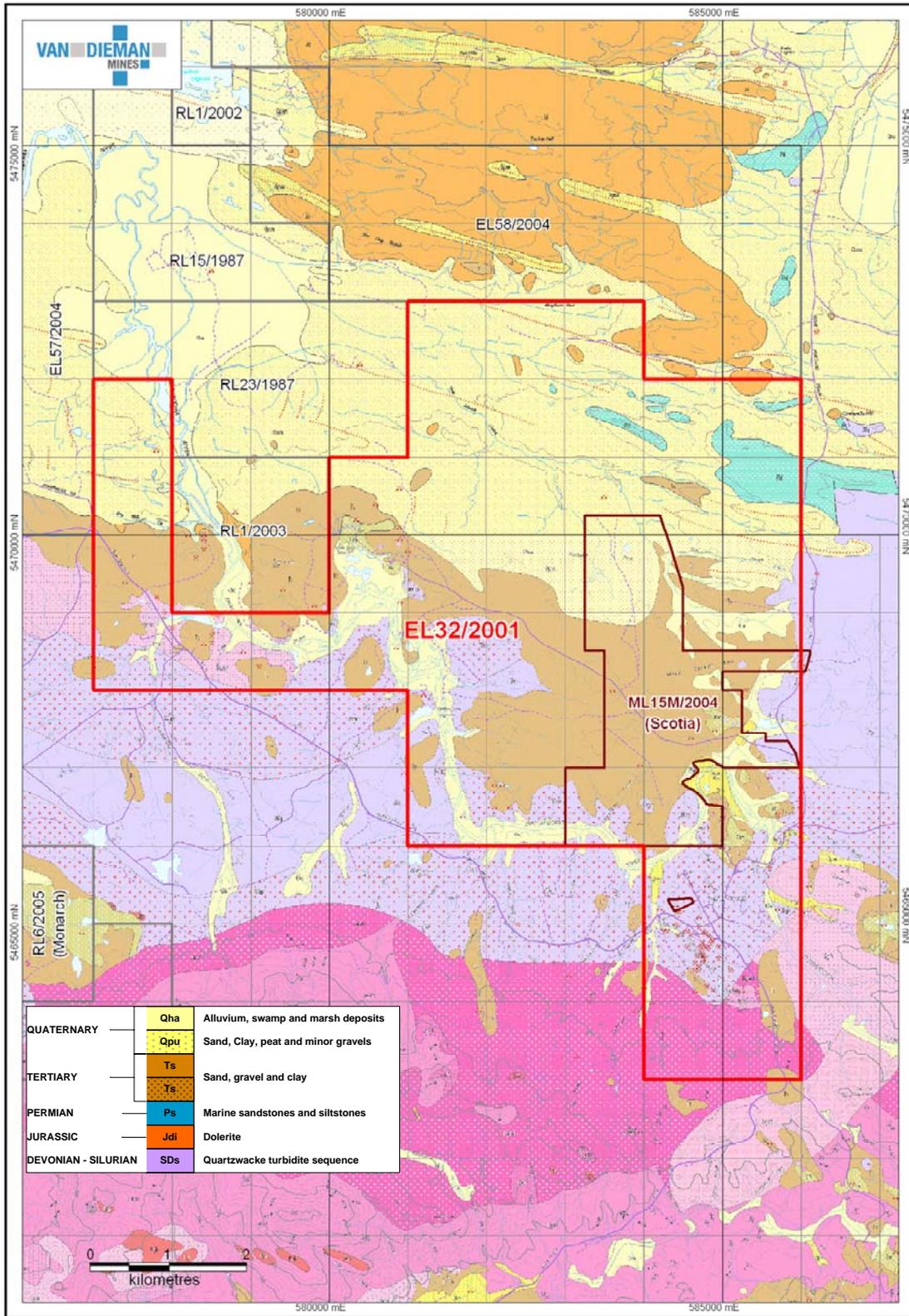


Figure 4 - Tenement Location Map (on 25K regional geology)

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FIGURE 4 - GEOLOGICAL PLAN OF EL 32 / 2001

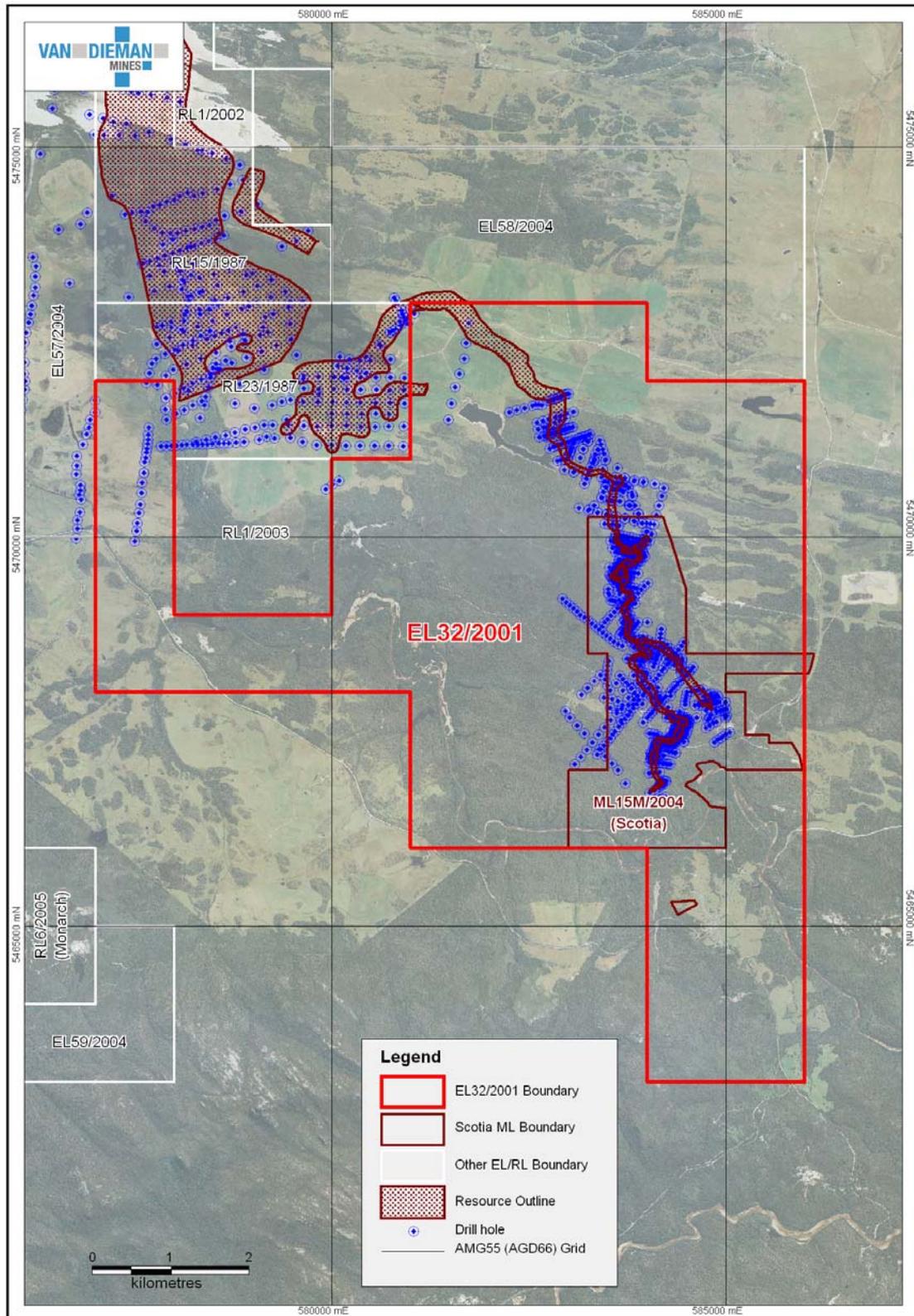


Figure 5 - Ore Resource and Drill Hole Location Map

VDMmap0611-005

**FIGURE 5 - DRILL HOLE LOCATION PLAN
SCOTIA AND LOCHABER LEADS**

4.2 LOCAL GEOLOGY:

P. B. Nye in his 1932 report on the restoration of the Mt Cameron Water Race probably provides the most comprehensive and detailed description of the local geology of the area currently encompassed by EL 32 / 2001. It is not proposed to detail the settings for old workings now encompassed by ML 15M / 2004. This has detail has been provided in previous reports.

The Tertiary sediment sequence is, on a regional basis, relatively consistent in its nature although there is a marked increase in white to yellowish sandy horizons in the northern section of the tenement. These deposits are interpreted as marine in nature. Generally the sequence consists of:

0 to 0.5 m	Sandy soils usually humic and vegetation rich.
0.5 to 1.0 m	Cemented gritty sands and clayey sands
5.0 to 15.0 m	Granitic based sandy clays and clayey sands with gritty and pebbly horizons
1.0 to 5.0 m	Gravelly sands, gravels, clay horizons often containing abundant coalified wood, vegetation fragments and lignite.
1.0 to 5.0 m	Coarse gravels and bouldery sediments interspersed with sandy grits and sands, this layer is usually tin rich.
Basement	Variable, either Mathinna Bed metasediments, decomposed granite or dolerite.

Currently it is very difficult to accurately determine the sequences in any of the worked areas and much of the current knowledge base is derived from old reports or old drill logs. Slumping of pit walls, heavy vegetation re-growth and general pit degradation help to mask most of the exposures. Similarly exposures in the floors of most pits are poor and only rarely are floors and / or basement exposed.

4.3 RECENT EXPLORATION:

In 2001 Mineral Holdings Australia (MHA) conducted a program of pitting and bulk sampling at Taylor's Workings. In all, eight pits were excavated and bulk samples taken from each location. Over the past two years VDM has re-establish old access tracks, commenced field inspections of all old workings and located where possible old drill holes. The field crew continue to conduct DGPS survey pick-up of these features and those data are being transferred onto the company GIS database.

A. MCGREGORS - BELTZ WORKINGS:

The company has recently located old logs and plans from the 1917 Departmental drilling program conducted to the north and west of McGregor's Workings. Field inspections have failed to locate evidence of old holes including four holes drilled in 1902 in the base of the McGregor's pit. The drill hole locations have been digitized and located in relation to the pit outline as depicted on the Nye, 1932 regional map. Drill logs have been converted to metric measure units and appear here as Appendix 8.1 and 8.2.

Inspections of the McGregor's pit indicates that the old workings were not excavated to basement, rather, they appear to have bottomed on a heavy sandy-clay horizon that bears some resemblance to weathered granite basement. Alluvial tin appears to have been won from a surface gravel and boulder horizon that was developed as a younger Tertiary sedimentary phase over older Tertiary terrestrial and marine units.

Old drill logs were evidently sampled top to bottom with grade expressed as "Whole of Hole" thus it is unclear if the surface gravels carried grades in the rest of the hole. If this is the case then the area may contain a limited volume surface tin bearing resource that overlies a deeper buried older tin bearing resource. Current surveying is aimed at determining how much of the ground located by the 1917 drill program remains un-mined.

B. TAYLORS WORKINGS:

This area was bulk tested by Mineral Holdings in 2001. The pits selectively targeted the basal gravel horizons and did not, except for T116, sample surface gravel horizons sample T116 recorded very low cassiterite values.

The general outline of the old Taylor's open cut is different from Aberfoyle, McGregor's and Beltz. Those pits are broad and appear to have been developed as a face along the edge of the Great Northern Plain (GNP). Taylor's pit is relatively narrow and developed at right angles to the main Ringarooma River flow. Cuts running off the main pit and the shape and location of the main pit are suggestive of a series of feeder or channel deposits that drained from the GNP towards the Ringarooma River. Ongoing DGPS work will accurately define bedrock outcrops located in the pit and will, hopefully determine flow direction of this old channel.

For the sake of completeness results of the Mineral Holdings work are included here as Appendix 8.4.

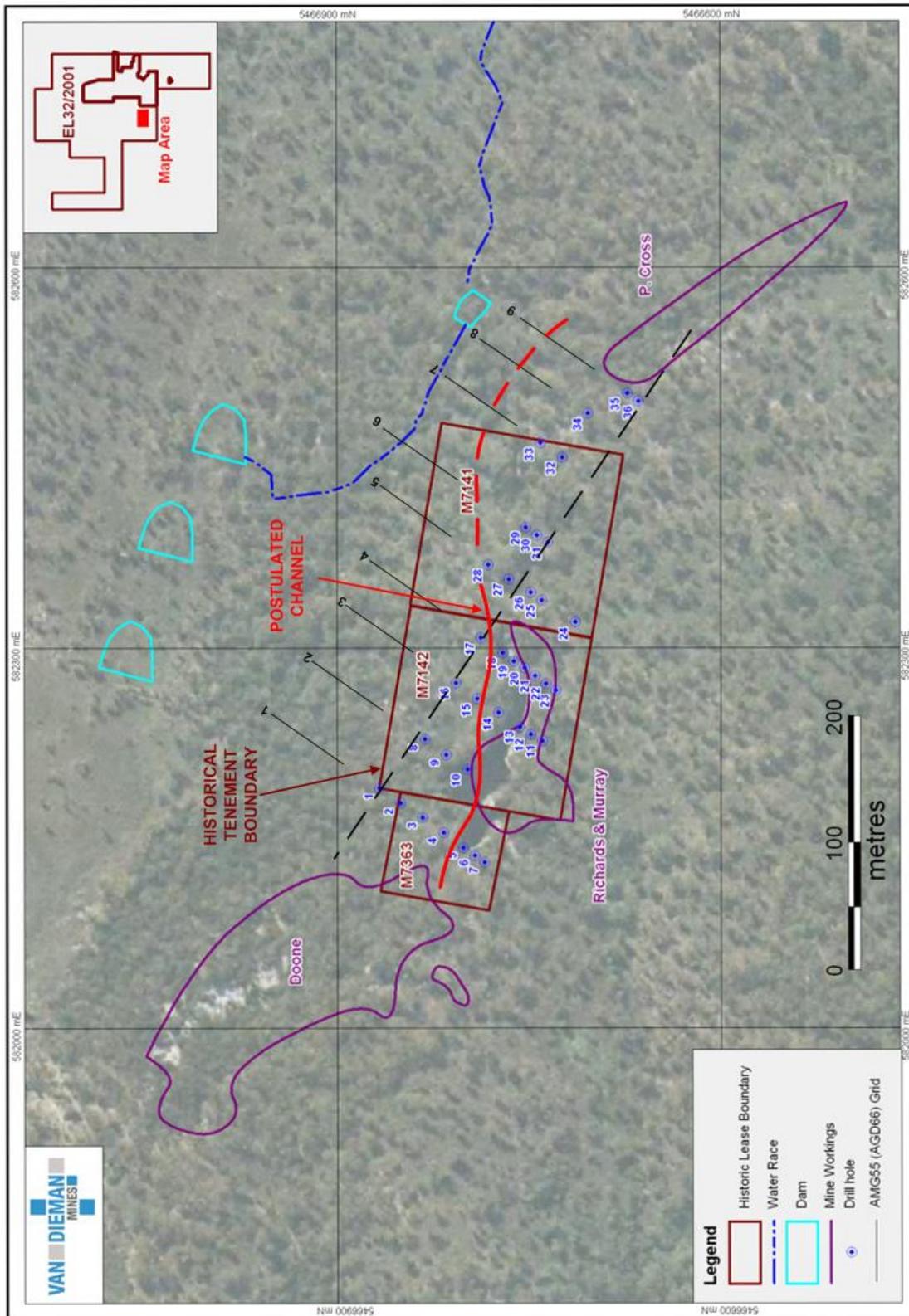
C. DOONE'S WORKINGS:

These workings are located west of the old Scotia workings (now ML 15M / 2004) on what Nye postulated as being a buried channel running parallel to, and north of, the current Ringarooma River. See Figure 6, 7 and 8. Outlines of old workings depicted on Figure 6 are approximate and are currently being accurately surveyed by the company. Drilling indicates the presence of two channels. One is a shallow channel, depicted on Line 3, Hole 12 and Line 4, Holes 21 and 22. This area appears to have been mined post drilling and now lies along the northern edge of Richard's and Murray's workings.

North of this location the basement drops away very rapidly and while this is interpreted to be a deeper channel, the channel is only really visible in results from Line 3 at location Hole 15. This deeper ground failed to yield any significant tin values. It is possible that the base of this postulated channel lies still further north of the drilled zone and may trend more north east toward Line 5, 1902 drilling. See Figure 9.

Only five holes recorded any tin values. All holes were sampled as "Whole of Hole" thus it is difficult to assess if any of the deeper ground carried tin in the gravel and wash zones immediately overlying basement. Grades of +100 gm / m³ for "Whole of Hole" elsewhere in the Scotia region are indicative of basal grades of around 1,000 gm / m³.

The line of drill holes put down by the Mines Department in 1902, Line 5, are located at approximately right angles to the Doone channel postulated by Nye. There are indications within that series of holes that the Doone's system turns and runs north eastwards to join the main Scotia system just south of the Scotia - Lochaber Lead junction.



VDMmap0911-009

Figure 6. Doone Area - Historic Tenements and Drilling

FIGURE 6 - DOONE'S WORKINGS - DRILL HOLE LOCATIONS

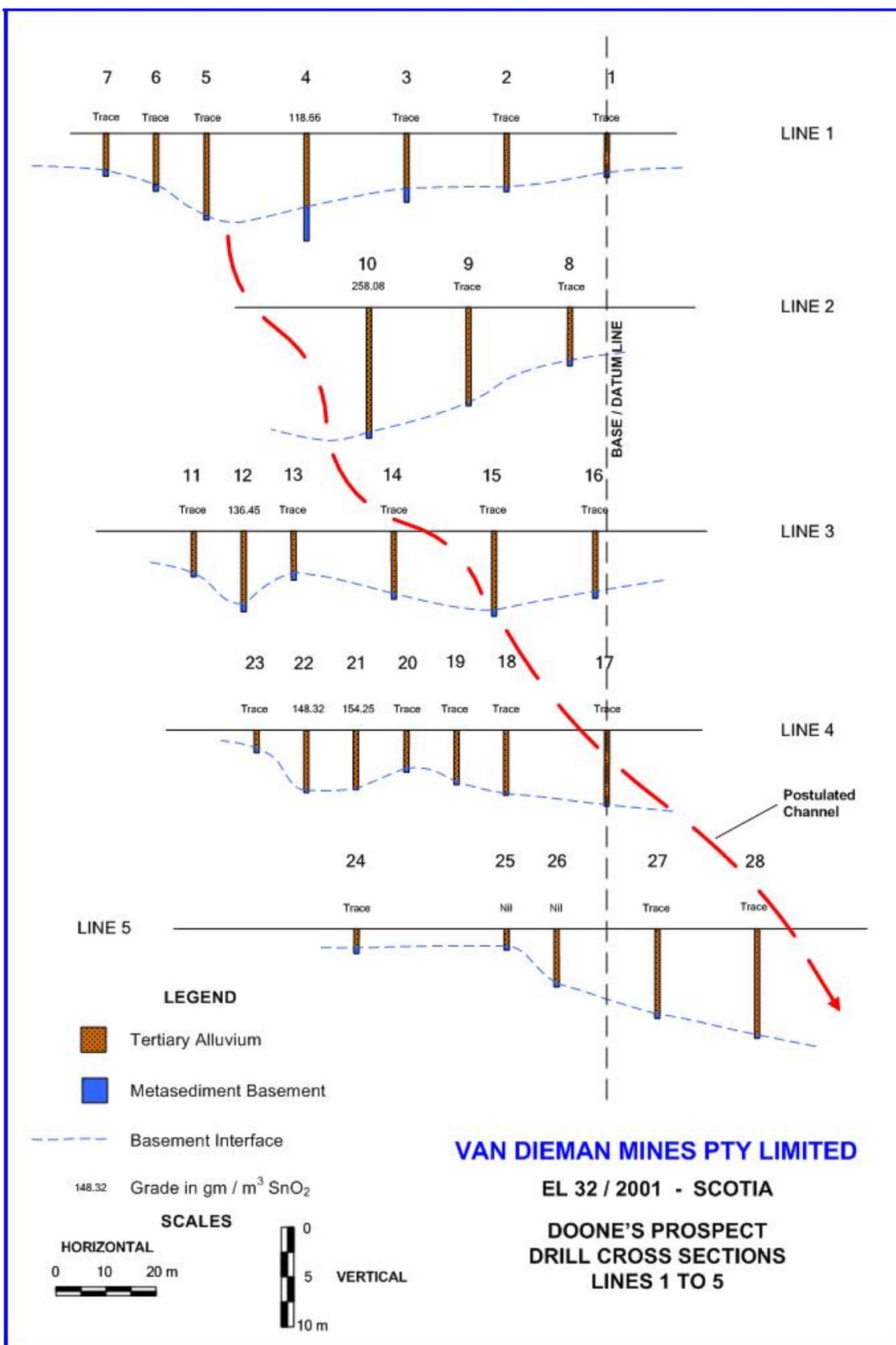


Figure 7 - Doone's Workings - Drill Cross Sections "A"

FIGURE 7 - DOONE'S WORKINGS - DRILL CROSS SECTIONS "A"

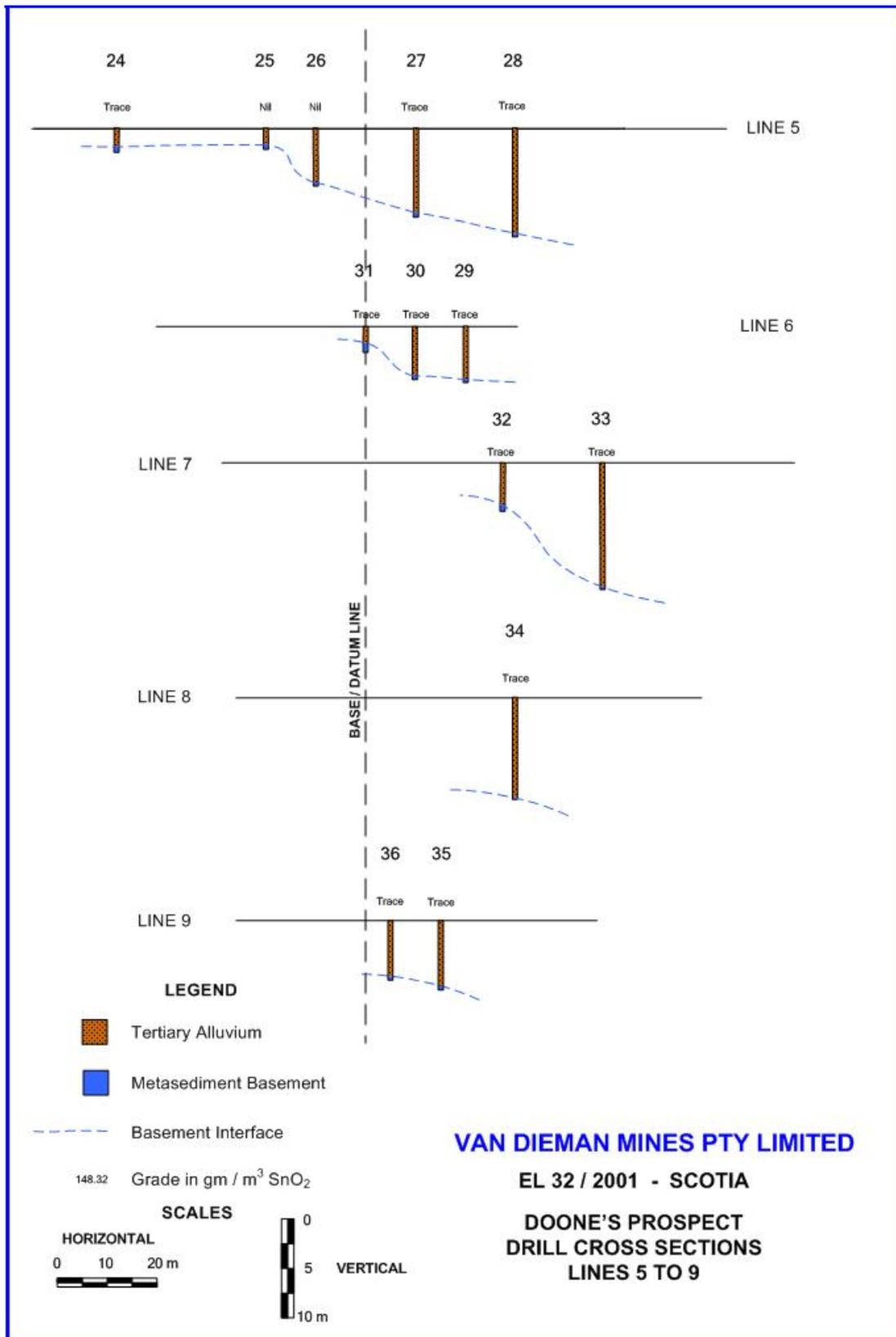


Figure 8 - Doone's Workings - Drill Cross Sections "B"

FIGURE 8 - DOONE'S WORKINGS - DRILL CROSS SECTIONS "B"

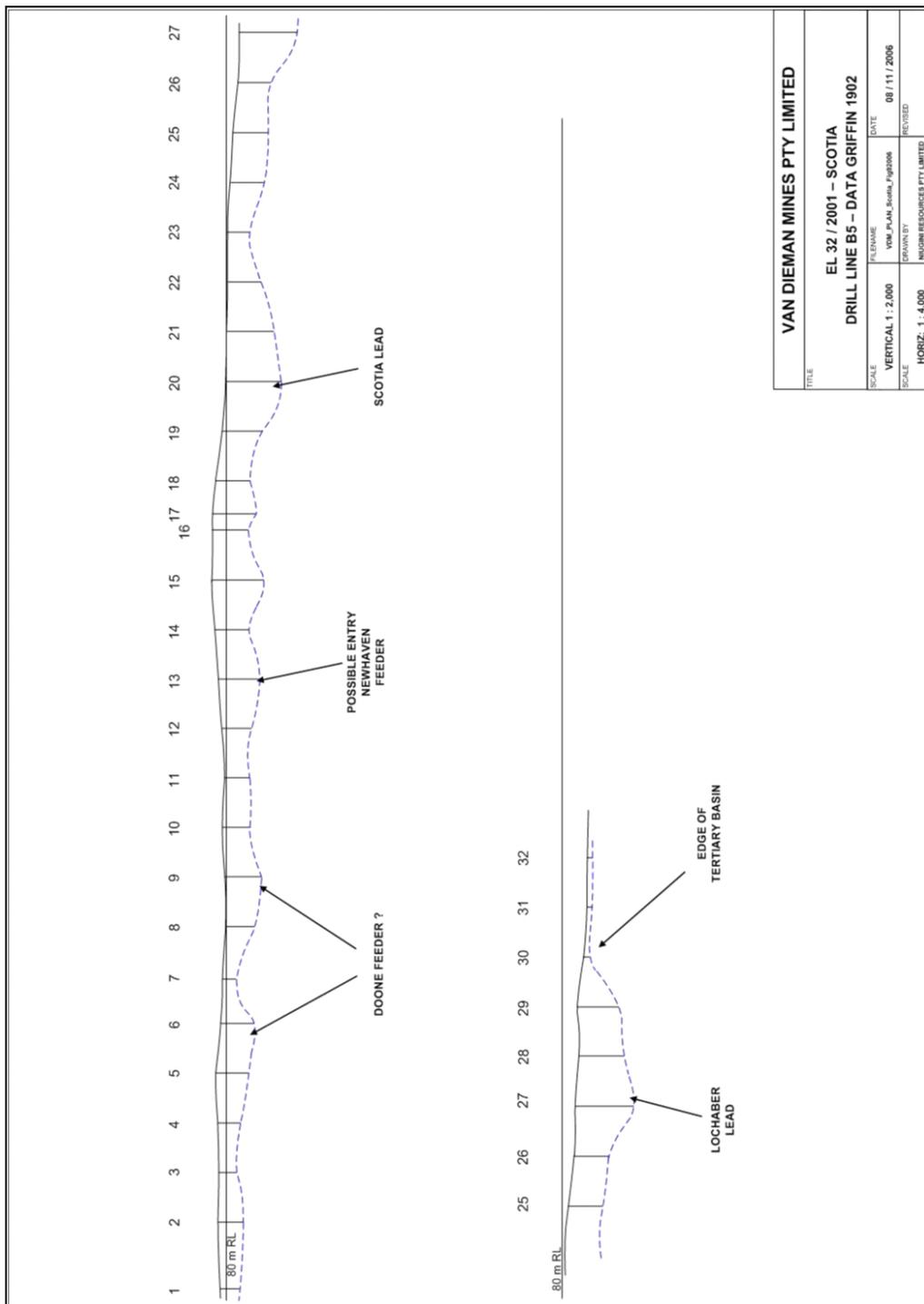


FIGURE 9 - DRILL CROSS SECTION, 1902 DRILL PROGRAM

5.0 PROPOSED WORK PROGRAMS:

Heavy mining re-growth in the areas peripheral to McGregor's, Beltz and Taylor's Workings has made DGPS field work difficult, that work is ongoing. Proposed work programs include:

- a. Complete addition of all old data into VDM GIS database. This includes location and detail of all old Departmental drilling, data contained on the Nye 1932 map, Portland Holdings 1971 test work, drilling by WANEX about 1972 if those data can be located in the Departmental archives, notes by Nye 1971 and MHA test pitting and auger drilling;
- b. Continue current DGPS survey of old workings to pick up accurately pit boundaries, location of bedrock outcrops, bedrock type and bedrock RL. The latter will be added to the regional bedrock database.
- c. The company is to undertake both GPR (Ground Penetrating Radar) and shallow seismic surveys in the tenement, in particular those surveys will be aimed at locating and defining feeder leads to the main Scotia alluvial channel;
- d. Using these data determine the most suitable method to define accurately economic alluvial tin and sapphire horizons.

6.0 CONCLUSIONS:

Current drilling costs prohibit the drilling of large numbers of fence lines of holes as has been done in the past exploration campaigns. The ability of VDM to create a database of GIS information and to use that database to create a Tertiary bedrock map of the tenement will, it is hoped, make definition of prospective economic zones easier. The ability to transfer geophysical data to this information suite is also critical to the location of possible tin bearing leads and subsidiary or feeder leads.

The complex nature of the sequence, particularly in the GNP fringe areas, that is, a mixing of marine and terrestrial sedimentation, has, to date confused interpretation. Recent interpretation of the old departmental drilling indicates that many of the larger pits may have been developed to exploit a thin surface veneer of tin bearing gravels and that the pits were never excavated to depths that would expose the older palaeo tin deposits.

VDM believes a significant shallow economic tin resource can be delineated to JORC standard in the zone immediately north of the old worked areas at McGregor's and Beltz and across to the Aberfoyle area within RL 1 / 2003 between the marine embayment of the Great Northern Plain proper and the areas of shallow basement fringing that embayment.

7.0 BIBLIOGRAPHY:

Baster, L. R, 1972. Preliminary Report on the Dorset Dredge Project, Tasmania.

Unpub. Wanex Mining Pty. Ltd. Report

Baster, L. R, 1971 - 72. Drill Logs - Dorset tin Division.

Unpub. Wanex Mining Pty. Ltd. Report

Duncan, D. McP, 2003. An Application for a Retention Licence at Aberfoyle Hill as a 'Flow On' Application from EL 38 / 1997.

Duncan, D. McP. and Rhodes, L. J. EL 38/1997 - Aberfoyle Hill.

Annual Reports on Exploration to March, 1999, 2000 and 2001.

Duncan, D. McP., Kinnane, N. R., and Rhodes, L. J. EL 38/1997 - Aberfoyle Hill. Annual Report on Exploration to March 2002.

Dunne, W. T. 1978. Ringarooma Joint Venture Northern Tasmania - Australia.

Assessment of the Project Area and Recommendations for Stage 1 Exploration and Drilling.

Preussag Australia Proprietary Limited.

Kinnane, N. R. 2000. Assessment, Great Northern Plains Project. NE Tasmania.

Niugini Resources Pty Limited.

Leaman, D. E. 1974. Summary of Geophysical Work, Gladstone Area.

Tech. Report, Tasmanian Department of Mines.17, p88.

Nye, P. B. 1932. Report on the Proposed Restoration of Syphon at Site of Old No. 6 Syphon, Mt Cameron Water Race.

Unpublished Report 17, 1932A, Tasmanian Department of Mines.

Nye, P. B. 1970. Geological report on the Great Northern Plains and the Alluvial Deposits Therein.

Unpublished Report to Portland Holdings Pty., Ltd.

Roach, H. 1916 - 1917, Historical Drill Records

Tasmanian Department Of Mines

8.0 APPENDICES

8.1 HISTORICAL DRILL LOGS - AFTER ROACH, 1917 - MCGREGOR'S

VAN DIEMAN MINES		HISTORICAL DRILL LOGS			LITHOLOGIC AND GRADE		
SOURCE: MRT		MRT FILE #:		DATE: 1917			
DRILLER: H. T. Roach		LOCATION: McGregors North		LEASE #: 6620M			
LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
1	1	0	0.46	0.46		Topsoil	
		0.46	1.07	0.61		Cement	
		1.07	3.05	1.98		Gravel	
		3.05	4.42	1.37		Sand	
		4.42	5.33	0.91		Wash & Sand	
		5.33	5.64	0.31		Sand Bottom	
					5.64		
	GRADE	0	5.33	5.33	Trace		
1	2	0	0.46	0.46		Topsoil	
		0.46	1.07	0.61		Cement	
		1.07	3.51	2.44		Gravel	
		3.51	4.57	1.06		Sand	
		4.57	5.33	0.76		Wash & Sand	
		5.33	5.94	0.61		Sand Bottom	
					5.94		
	GRADE	0	5.33	5.33	Trace		
1	3	0	0.61	0.61		Topsoil	
		0.61	1.07	0.46		Cement	
		1.07	3.96	2.89		Gravel	
		3.96	4.72	0.76		Sand	
		4.72	6.10	1.38		Wash & Sand	
		6.10	6.86	0.76		Sand Bottom	
					6.86		
	GRADE	0	6.10	6.10	Trace		
1	4	0	0.61	0.61		Topsoil	
		0.61	1.07	0.46		Cement	
		1.07	3.66	2.59		Gravel	
		3.66	5.18	1.52		Sand	
		5.18	5.79	0.61		Wash & Sand	
		5.79	6.86	1.07		Sand Bottom	
					6.86		
	GRADE	0	5.79	5.79	Trace		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #:
LOCATION: McGregors North

DATE: 1917
LEASE #: 6620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY		
		FROM m	TO m	INT m				
1	5	0	0.76	0.76		Topsoil		
		0.76	1.22	0.46		Cement		
		1.22	3.66	2.44		Gravel		
		3.66	5.03	1.37		Sand		
		5.03	5.49	0.46		Wash & Sand		
		5.49	6.25	0.76		Sand Bottom		
		GRADE	0	5.49	5.49	59.33		
1	6	0	0.61	0.61		Topsoil		
		0.61	1.07	0.46		Cement		
		1.07	2.59	1.52		Gravel		
		2.59	4.11	1.52		Sand		
		4.11	4.72	0.61		Wash & Sand		
		4.72	5.49	0.77		Sand Bottom		
					5.49			
GRADE	0	4.72	4.72	166.11				
1	7	0	0.61	0.61		Topsoil		
		0.61	1.07	0.46		Cement		
		1.07	2.59	1.52		Gravel		
		2.59	4.11	1.52		Sand		
		4.11	4.72	0.61		Wash & Sand		
		4.72	5.18	0.46		Sand Bottom		
					5.18			
GRADE	0	4.72	4.72	183.92				
1	8	0	0.61	0.61		Topsoil		
		0.61	1.07	0.46		Cement		
		1.07	2.59	1.52		Gravel		
		2.59	4.11	1.52		Sand		
		4.11	4.72	0.61		Wash & Sand		
		4.72	5.47	0.75		Sand Bottom		
					5.47			
GRADE	0	4.72	4.72	278.84				



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #:
LOCATION: McGregors North

DATE: 1917
LEASE #: 6620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY			
		FROM m	TO m	INT m					
1	9	0	1.07	1.07		Topsoil			
		1.07	1.52	0.45		Cement			
		1.52	2.74	1.22		Gravel			
		2.74	4.11	1.37		Sand			
		4.11	4.42	0.31		Wash & Sand			
		4.42	5.64	1.22		Sand Bottom			
					5.64				
	GRADE	0	4.42	4.42	100.86				
1	10	0	0.61	0.61		Topsoil			
		0.61	1.07	0.46		Cement			
		1.07	4.11	3.04		Gravel			
		4.11	5.64	1.53		Wash & Sand			
		5.64	6.71	1.07		Sand Bottom			
					6.71				
			GRADE	0	5.64	5.64	237.31		
2	12	0	0.46	0.46		Topsoil			
		0.46	1.07	0.61		Cement			
		1.07	3.05	1.98		Gravel			
		3.05	4.27	1.22		Sand			
		4.27	5.18	0.91		Wash & Sand			
		5.18	6.71	1.53		Sand Bottom			
					6.71				
	GRADE	0	5.18	5.18	94.92				
	13	0	0.46	0.46		Topsoil			
		0.46	1.07	0.61		Cement			
		1.07	3.05	1.98		Gravel			
		3.05	4.57	1.52		Sand			
		4.57	5.03	0.46		Wash & Sand			
		5.03	6.55	1.52		Sand Bottom			
					6.55				
	GRADE	0	5.03	5.03	77.13				



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: DATE: 1917
 DRILLER: H. T. Roach LOCATION: McGregors North LEASE #: 6620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY		
		FROM m	TO m	INT m				
2	14	0	0.61	0.61		Topsoil		
		0.61	0.91	0.30		Cement		
		0.91	3.96	0.30		Gravel		
		3.96	4.88	0.92		Wash & Sand		
		4.88	6.71	2.13		Sand Bottom		
		GRADE	0	4.88	4.88	112.72		
2	15	0	0.61	0.61		Topsoil		
		0.61	1.07	0.46		Cement		
		1.07	4.27	3.20		Sand		
		4.27	4.72	0.45		Wash & Sand		
		4.72	6.10	1.38		Sand Bottom		
		GRADE	0	4.72	4.72	213.58		
2	16	0	0.61	0.61		Topsoil		
		0.61	0.91	0.30		Cement		
		0.91	4.42	3.51		Gravel		
		4.42	4.72	0.30		Wash & Sand		
		4.72	5.94	1.22		Sand Bottom		
		GRADE	0	4.72	4.72	112.72		
4	23	0	0.61	0.61		Topsoil		
		0.61	0.76	0.15		Cement		
		0.76	1.37	0.61		Gravel		
		1.37	4.72	3.35		Sand		
		4.72	4.88	0.16		Wash & Sand		
		4.88	5.18	0.30		Marine Clay Bottom ? Dolerite		
				5.18				
		GRADE	0	4.88	4.88	Trace		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #: 9 - 606
LOCATION: McGregors North

DATE: Post 1916
LEASE #: 7620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
4	24	0	0.46	0.46		Topsoil	
		0.46	0.61	0.15		Cement	
		0.61	3.51	2.90		Sand	
		3.51	3.96	0.45		Wash & Sand	
		3.96	4.88	0.92		Clayey Gravel	
		4.88	5.49	0.61		Marine Clay Bottom ? Dolerite	
					5.49		
	GRADE	0	4.88	4.88	Trace		
4	25	0	0.46	0.46		Topsoil	
		0.46	0.61	0.15		Cement	
		0.61	0.91	0.30		Gravel	
		0.91	4.27	3.36		Sand	
		4.27	4.57	0.30		Wash & Sand	
		4.57	4.88	0.31		Clayey Gravel	
		4.88	5.18	0.30		Clay	
		5.18	5.64	0.46		Marine Clay Bottom ? Dolerite	
					5.64		
			GRADE	0	5.18	5.18	Trace
4	26	0	0.30	0.30		Topsoil	
		0.30	3.20	2.90		Gravel	
		3.20	4.72	1.52		Sand	
		4.72	5.33	0.61		Wash & Sand	
		5.33	6.10	0.77		Marine Clay Bottom ? Dolerite	
					6.10		
			GRADE	0	5.33	5.33	94.92
4	27	0	0.30	0.30		Topsoil	
		0.30	0.45	0.15		Cement	
		0.45	1.83	1.38		Sand	
		1.83	3.51	1.68		Wash & Sand	
		3.51	4.88	1.37		Sandy Clay	
		4.88	5.94	1.06		Clay	
		5.94	6.25	0.31		Marine Clay Bottom ? Dolerite	
			6.25				
	GRADE	0	5.94	5.94	118.66		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #: 9 - 606
LOCATION: McGregors North

DATE: Post 1916
LEASE #: 7620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
4	28	0	0.46	0.46		Topsoil	
		0.46	0.61	0.15		Cement	
		0.61	1.52	0.91		Gravel	
		1.52	3.81	2.29		Sand	
		3.81	5.49	1.68		Wash & Sand	
		5.49	5.79	0.30		Sandy Clay	
		5.79	7.16	1.37		Drift	
		7.16	7.62	0.46		Marine Clay Bottom ? Dolerite	
					7.62		
	GRADE	0	7.16	7.16	124.59		
4	29	0	0.15	0.15		Topsoil	
		0.15	3.96	3.81		Gravel	
		3.96	7.77	3.81		Sand	
		7.77	7.92	0.15		Wash	
		7.92	8.38	0.46		Marine Clay Bottom ? Dolerite	
					8.38		
			GRADE	0	7.92	7.92	Trace
4	30	0.00	0.30	0.30		Topsoil	
		0.30	4.57	4.27		Gravel	
		4.57	6.40	1.83		Clay	
		6.40	7.01	0.61		Wash	
		7.01	7.47	0.46		Marine Clay Bottom ? Dolerite	
					7.47		
			GRADE	0	7.01	7.01	59.33
4	31	0.00	0.30	0.30		Topsoil	
		0.30	2.59	2.29		Sand	
		2.59	4.11	1.52		Wash & Sand	
		4.11	5.79	1.68		Loam	
		5.79	6.10	0.31		Marine Clay Bottom ? Dolerite	
					6.10		
	GRADE	0	5.79	5.79	Trace		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #: 9 - 606
LOCATION: McGregors North

DATE: Post 1916
LEASE #: 7620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
4	32	0	0.46	0.46		Topsoil
		0.46	3.20	2.74		Sand
		3.20	4.72	1.52		Wash & Sand
		4.72	5.18	0.46		Sandy Clay
		5.18	5.49	0.31		Loam
		5.49	5.94	0.45		Marine Clay Bottom ? Dolerite
					5.94	
	GRADE	0	5.49	5.49	106.79	
4	33	0	0.15	0.15		Topsoil
		0.15	1.83	1.68		Sand
		1.83	3.51	1.68		Wash & Sand
		3.51	3.96	0.45		Sandy Clay
		3.96	5.49	1.53		Clay
		5.49	5.79	0.30		Marine Clay Bottom ? Dolerite
					5.79	
	GRADE	0	5.49	5.49	219.51	
4	34	0.00	0.46	0.46		Topsoil
		0.46	2.29	1.83		Sand
		2.29	4.11	1.82		Wash & Sand
		4.11	4.72	0.61		Sandy Clay
		4.72	5.33	0.61		Clay
		5.33	5.49	0.16		Marine Clay Bottom ? Dolerite
					5.49	
	GRADE	0	5.33	5.33	439.02	
5	35	0.00	0.15	0.15		Topsoil
		0.15	3.35	3.20		Sand
		3.35	4.27	0.92		Sandy Clay
		4.27	5.18	0.91		Clay
		5.18	5.33	0.15		Wash
		5.33	5.79	0.46		Pug
		5.79	5.94	0.15		Marine Clay Bottom ? Dolerite
			5.94			
	GRADE	0	5.79	5.79	62.26	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #: 9 - 606
LOCATION: McGregors North

DATE: Post 1916
LEASE #: 7620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
5	36	0.00	0.30	0.30		Topsoil
		0.30	3.05	2.75		Gravel
		3.05	4.57	1.52		Sand
		4.57	5.79	1.22		Clay
		5.79	5.94	0.15		Marine Clay Bottom ? Dolerite
				5.94		
	GRADE	0	5.79	5.79	71.19	
5	37	0.00	0.30	0.30		Topsoil
		0.30	2.44	2.14		Gravel
		2.44	4.57	2.13		Sand
		4.57	5.79	1.22		Clay
		5.79	5.94	0.15		Marine Clay Bottom ? Dolerite
				5.94		
	GRADE	0	5.79	5.79	124.59	
5	38	0.00	0.30	0.30		Topsoil
		0.30	2.44	2.14		Gravel
		2.44	3.05	0.61		Sand
		3.05	4.42	1.37		Wash & Sand
		4.42	5.49	1.07		Sandy Clay
	5.49	5.94	0.45		Marine Clay Bottom ? Dolerite	
				5.94		
	GRADE	0	5.49	5.49	237.31	
5	39	0.00	0.30	0.30		Topsoil
		0.30	2.59	2.29		Gravel
		2.59	4.88	2.29		Sand
		4.88	5.18	0.30		Clay
		5.18	5.64	0.46		Marine Clay Bottom ? Dolerite
				5.64		
	GRADE	0	5.18	5.18	729.73	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT
DRILLER: H. T. Roach

MRT FILE #: 9 - 606
LOCATION: McGregors North

DATE: Post 1916
LEASE #: 7620M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
5	40	0.00	0.30	0.30		Topsoil
		0.30	2.44	2.14		Sand
		2.44	2.90	0.46		Clay
		2.90	3.96	1.06		Drift
		3.96	4.11	0.15		Pug
		4.11	4.42	0.31		Marine Clay Bottom ? Dolerite
					4.42	
	GRADE	0	4.11	4.11	124.59	
5	41	0.00	0.91	0.91		Topsoil
		0.91	2.44	1.53		Gravel
		2.44	2.74	0.30		Sand
		2.74	2.90	0.16		Clay
		2.9	3.58	0.68		Drift
		3.58	3.81	0.23		Marine Clay Bottom ? Dolerite
					3.81	
	GRADE	0	3.58	3.58	Trace	

8.2 HISTORICAL DRILL LOGS - AFTER ROACH, 1917 - BELTZ

VAN DIEMAN MINES		HISTORICAL DRILL LOGS			LITHOLOGIC AND GRADE		
SOURCE: MRT		MRT FILE # 272 / 25		DATE: 1917			
DRILLER: H. T. Roach		LOCATION: Beltz Workings		LEASE #: 7037M/7038M/7092M			
LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
1	1	0	0.61	0.61		Topsoil	
		0.61	0.91	0.30		Cement	
		0.91	1.83	0.92		Gravelly Sand (Drift)	
		1.83	2.29	0.46		Wash	
		2.29	3.20	0.91		Sandy Bottom Basement ??	
					3.20		
	GRADE	0	2.29	2.29	391.56		
1	2	0	0.46	0.46		Topsoil	
		0.46	0.91	0.45		Cement	
		0.91	2.13	1.22		Gravelly Sand (Drift)	
		2.13	2.90	0.77		Wash	
		2.90	3.51	0.61		Sandy Bottom Basement ??	
					3.51		
	GRADE	0	2.90	2.90	551.75		
1	3	0	0.61	0.61		Topsoil	
		0.61	1.37	0.76		Cement	
		1.37	2.29	0.92		Gravelly Sand (Drift)	
		2.29	2.74	0.45		Wash	
		2.74	3.05	0.31		Sandy Bottom Basement ??	
					3.05		
	GRADE	0	2.74	2.74	593.28		
1	4	0	0.61	0.61		Topsoil	
		0.61	1.07	0.46		Cement	
		1.07	2.44	1.37		Gravelly Sand (Drift)	
		2.44	2.90	0.46		Wash	
		2.90	3.51	0.61		Sandy Bottom Basement ??	
					3.51		
	GRADE	0	2.90	2.90	409.36		
1	5	0	0.91	0.91		Topsoil	
		0.91	1.52	0.61		Cement	
		1.52	3.05	1.53		Gravelly Sand (Drift)	
		3.05	3.51	0.46		Wash	
		3.51	3.96	0.45		Sandy Bottom Basement ??	
					3.96		
	GRADE	0	3.51	3.51	468.69		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE # 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
1	6	0	0.79	0.79		Topsoil
		0.79	1.83	1.04		Cement
		1.83	3.35	1.52		Gravelly Sand (Drift)
		3.35	3.81	0.46		Wash
		3.81	4.42	0.61		Sandy Bottom Basement ??
					4.42	
	GRADE	0	3.81	3.81	231.38	
1	7	0	1.07	1.07		Topsoil
		1.07	1.67	0.60		Cement
		1.67	3.81	2.14		Gravelly Sand (Drift)
		3.81	4.42	0.61		Wash
		4.42	4.72	0.30		Sandy Bottom Basement ??
					4.72	
	GRADE	0	4.42	4.42	136.45	
2	8	0	0.46	0.46		Topsoil
		0.46	1.07	0.61		Cement
		1.07	3.66	2.59		Gravelly Sand (Drift)
		3.66	4.27	0.61		Wash
		4.27	4.57	0.30		Sandy Bottom Basement ??
					4.57	
	GRADE	0	4.27	4.27	124.59	
2	9	0	0.61	0.61		Topsoil
		0.61	1.37	0.76		Cement
		1.37	3.05	1.68		Gravelly Sand (Drift)
		3.05	3.66	0.61		Wash
		3.66	4.27	0.61		Sandy Bottom Basement ??
					4.27	
	GRADE	0	3.66	3.66	213.58	
2	10	0	0.76	0.76		Topsoil
		0.76	1.22	0.46		Cement
		1.22	2.59	1.37		Gravelly Sand (Drift)
		2.59	3.35	0.76		Wash
		3.35	3.96	0.61		Sandy Bottom Basement ??
					3.96	
	GRADE	0	3.35	3.35	344.1	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE # 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
2	11	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	1.98	1.07		Gravelly Sand (Drift)
		1.98	2.29	0.31		Loam
		2.29	3.05	0.76		Wash
		3.05	3.51	0.46		Sandy Bottom Basement ??
					3.51	
	GRADE	0	3.05	3.05	379.7	
2	12	0	0.61	0.61		Topsoil
		0.61	0.76	0.15		Cement
		0.76	1.68	0.92		Gravelly Sand (Drift)
		1.68	1.98	0.30		Sand & Wash
		1.98	2.29	0.31		Loam
		2.29	2.74	0.45		Wash
		2.74	3.20	0.46		Sandy Bottom Basement ??
			3.20			
	GRADE	0	2.74	2.74	439.02	
2	13	0	0.46	0.46		Topsoil
		0.46	0.76	0.30		Cement
		0.76	1.83	1.07		Gravelly Sand (Drift)
		1.83	2.74	0.91		Sand & Wash
		2.74	2.90	0.16		Loam
		2.90	3.20	0.30		Sandy Bottom Basement ??
					3.20	
	GRADE	0	2.90	2.90	771.26	
2	14	0	0.61	0.61		Topsoil
		0.61	0.91	0.3		Cement
		0.91	1.83	0.92		Gravelly Sand (Drift)
		1.83	2.29	0.46		Sand & Wash
		2.29	2.74	0.45		Sandy Bottom Basement ??
				2.74		
	GRADE	0	2.29	2.29	296.64	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE # 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
2	15	0	0.61	0.61		Topsoil
		0.61	0.76	0.15		Cement
		0.76	1.68	0.92		Gravelly Sand (Drift)
		1.68	2.29	0.61		Wash
		2.29	3.05	0.76		Sandy Bottom Basement ??
					3.05	
	GRADE	0	2.29	2.29	444.96	
2	16	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	1.37	0.46		Gravelly Sand (Drift)
		1.37	2.90	1.53		Wash
		2.90	3.66	0.76		Sandy Bottom Basement ??
					3.66	
	GRADE	0	2.90	2.90	486.49	
3	17	0	0.46	0.46		Topsoil
		0.46	0.76	0.30		Cement
		0.76	1.07	0.31		Gravelly Sand (Drift)
		1.07	1.98	0.91		Wash
		1.98	2.90	0.92		Sandy Bottom Basement ??
					2.90	
	GRADE	0	1.98	1.98	427.16	
3	18	0	0.61	0.61		Topsoil
		0.61	0.76	0.15		Cement
		0.76	1.37	0.61		Gravelly Sand (Drift)
		1.37	2.44	1.07		Wash
		2.44	2.90	0.46		Sandy Bottom Basement ??
					2.90	
	GRADE	0	2.44	2.44	296.64	
3	19	0	0.61	0.61		Topsoil
		0.61	1.30	0.69		Cement
		1.30	1.98	0.68		Gravelly Sand (Drift)
		1.98	2.44	0.46		Wash
		2.44	3.05	0.61		Sandy Bottom Basement ??
					3.05	
	GRADE	0	2.44	2.44	83.06	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE # 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
3	20	0	0.76	0.76		Topsoil
		0.76	1.22	0.46		Cement
		1.22	2.13	0.91		Gravelly Sand (Drift)
		2.13	2.59	0.46		Wash
		2.59	3.35	0.76		Sandy Bottom Basement ??
					3.35	
	GRADE	0	2.59	2.59	510.22	
3	21	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	2.29	1.38		Gravelly Sand (Drift)
		2.29	2.90	0.61		Wash
		2.90	3.20	0.30		Sandy Bottom Basement ??
					3.20	
	GRADE	0	2.90	2.90	717.86	
3	22	0	0.46	0.46		Topsoil
		0.46	0.61	0.15		Cement
		0.61	2.13	1.52		Gravelly Sand (Drift)
		2.13	2.44	0.31		Loam
		2.44	2.90	0.46		Wash
		2.90	3.66	0.76		Sandy Bottom Basement ??
			3.66			
	GRADE	0	2.90	2.90	225.44	
3	23	0	0.46	0.46		Topsoil
		0.46	0.61	0.15		Cement
		0.61	2.44	1.83		Gravelly Sand (Drift)
		2.44	2.74	0.30		Loam
		2.74	3.20	0.46		Wash
		3.20	3.66	0.46		Sandy Bottom Basement ??
			3.66			
	GRADE	0	3.20	3.20	65.26	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE # 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
4	24	0	0.76	0.76		Topsoil
		0.76	0.91	0.15		Cement
		0.91	1.83	0.92		Gravelly Sand (Drift)
		1.83	2.44	0.61		Wash
		2.44	3.05	0.61		Sandy Bottom Basement ??
					3.05	
	GRADE	0	2.44	2.44	136.45	
4	25	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	1.83	0.92		Gravelly Sand (Drift)
		1.83	2.44	0.61		Wash
		2.44	2.74	0.30		Sandy Bottom Basement ??
					2.74	
	GRADE	0	2.44	2.44	201.71	
4	26	0	0.61	0.61		Topsoil
		0.61	1.07	0.46		Cement
		1.07	2.29	1.22		Gravelly Sand (Drift)
		2.29	2.74	0.45		Wash
		2.74	2.90	0.16		Sandy Bottom Basement ??
					2.90	
	GRADE	0	2.74	2.74	130.52	
4	27	0	0.76	0.76		Topsoil
		0.76	1.07	0.31		Cement
		1.07	1.83	0.76		Gravelly Sand (Drift)
		1.83	2.21	0.38		Wash
		2.21	2.59	0.38		Sandy Bottom Basement ??
					2.59	
	GRADE	0	2.21	2.21	59.33	
4	28	0	0.61	0.61		Topsoil
		0.61	0.76	0.15		Cement
		0.76	1.07	0.31		Sand & Wash
		1.07	2.21	1.14		Sand
		2.21	2.44	0.23		Sandy Bottom Basement ??
					2.44	
	GRADE	0	2.29	2.29	62.26	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE # 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
4	29	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Sand & Wash
		0.91	2.29	1.38		Sand
		2.29	3.05	0.76		Sandy Bottom Basement ??
				3.05		
	GRADE	0	2.29	2.29	112.72	
5	30	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	1.98	1.07		Gravel (Drift) ?
		1.98	2.74	0.76		Sand
		2.74	3.20	0.46		Wash
		3.20	4.27	1.07		Sandy Bottom Basement ??
				4.27		
	GRADE	0	3.20	3.20	Trace	
5	31	0	0.76	0.76		Topsoil
		0.76	0.91	0.15		Cement
		0.91	1.98	1.07		Gravel (Drift)
		1.98	2.74	0.76		Sand
		2.74	2.90	0.16		Wash
		2.90	3.05	0.15		Clayey Gravel
		3.05	3.66	0.61		Sandy Bottom Basement ??
				3.66		
	GRADE	0	3.05	3.05	Trace	
5	32	0	0.76	0.76		Topsoil
		0.76	0.91	0.15		Cement
		0.91	1.83	0.92		Gravel (Drift)
		1.83	2.74	0.91		Sand
		2.74	2.90	0.16		Wash
		2.90	3.51	0.61		Sandy Bottom Basement ??
				3.51		
	GRADE	0	2.90	2.90	Trace	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
5	33	0	0.76	0.76		Topsoil	
		0.76	0.91	0.15		Cement	
		0.91	1.52	0.61		Gravel (Drift)	
		1.52	1.83	0.31		Sand	
		1.83	2.59	0.76		Wash	
		2.59	3.20	0.61		Sandy Bottom Basement ??	
					3.20		
	GRADE	0	2.59	2.59	Trace		
5	34	0	0.46	0.46		Topsoil	
		0.46	1.07	0.61		Gravel (Drift) ?	
		1.07	1.37	0.3		Sand	
		1.37	2.59	1.22		Wash	
		2.59	3.96	1.37		Sandy Bottom Basement ??	
					3.96		
			GRADE	0	2.59	2.59	Trace
5	35	0	0.46	0.46		Topsoil	
		0.46	1.07	0.61		Gravel (Drift)	
		1.07	2.13	1.06		Wash	
		2.13	2.59	0.46		Sandy Bottom Basement ??	
				2.59			
			GRADE	0	2.13	2.13	Trace
5	36	0	0.61	0.61		Topsoil	
		0.61	1.22	0.61		Gravel (Drift)	
		1.22	3.35	2.13		Wash	
		3.35	3.66	0.31		Clayey Wash	
		3.66	4.27	0.61		Sandy Bottom Basement ??	
				4.27			
			GRADE	0	3.66	3.66	Trace
5	37	0	0.46	0.46		Topsoil	
		0.46	1.22	0.76		Gravel (Drift)	
		1.22	2.74	1.52		Wash	
		2.74	3.05	0.31		Drift	
		3.05	3.66	0.61		Sandy Bottom Basement ??	
				3.66			
			GRADE	0	3.05	3.05	Trace



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 272 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Beltz Workings LEASE #: 7037M/7038M/7092M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
5	38	0	0.46	0.46		Topsoil	
		0.46	0.61	0.15		Cement	
		0.61	1.07	0.46		Gravel (Drift)	
		1.07	2.59	1.52		Wash	
		2.59	3.66	1.07		Sandy Bottom Basement ??	
					3.66		
	GRADE	0	2.59	2.59	Trace		
5	39	0	0.46	0.46		Topsoil	
		0.46	0.61	0.15		Cement	
		0.61	3.05	2.44		Wash	
		3.05	3.66	0.61		Sandy Bottom Basement ??	
					3.66		
			GRADE	0	3.05	3.05	Trace

8.3 HISTORICAL DRILL LOGS - AFTER ROACH, 1917 - DOONE'S

VAN DIEMAN MINES		HISTORICAL DRILL LOGS			LITHOLOGIC AND GRADE						
SOURCE:		MRT		MRT FILE #:		266 / 25		DATE:		1917	
DRILLER:		H. T. Roach		LOCATION:		Doone Workings		LEASE #:		7363M	
LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY					
		FROM m	TO m	INT m							
1	1	0	0.76	0.76		Topsoil					
		0.76	1.07	0.31		Cement					
		1.07	1.98	0.91		Clayey Gravel					
		1.98	2.74	0.76		Gravel					
		2.74	3.96	1.22		Silt					
		3.96	4.42	0.46		Soft Slate Basement					
				4.42							
	GRADE	0	3.96	3.96	Trace						
1	2	0	0.46	0.46		Topsoil					
		0.46	1.37	0.91		Cement					
		1.37	2.13	0.76		Clayey Gravel					
		2.13	5.33	3.2		Gravel					
		5.33	5.79	0.46		Soft Slate Basement					
						5.79					
	GRADE	0	5.33	5.33	Trace						
1	3	0	1.07	1.07		Topsoil					
		1.07	1.98	0.91		Cement					
		1.98	4.88	2.90		Clayey Gravel					
		4.88	5.49	0.61		Gravel & Small Wash					
		5.49	6.86	1.37		Soft Slate Basement					
						6.86					
	GRADE	0	5.49	5.49	Trace						
1	4	0	0.61	0.61		Topsoil					
		0.61	1.37	0.76		Cement					
		1.37	7.32	5.95		Gravel					
		7.32	10.82	3.50		Small Wash					
						10.82					
							Soft Slate Basement				
	GRADE	0	10.82	10.82	118.66						



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7363M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY		
		FROM m	TO m	INT m				
1	5	0	0.31	0.31		Topsoil		
		0.31	0.76	0.45		Cement		
		0.76	1.83	1.07		Gravel		
		1.83	7.47	5.64		Gravel & Small Wash		
		7.47	7.92	0.45		Hard sand		
		7.92	8.23	0.31		Hard Clay		
		8.23	8.69	0.46		Soft Slate Basement		
				8.69				
	GRADE	0	8.23	8.23	Trace			
1	6	0	0.31	0.31		Topsoil		
		0.31	0.46	0.15		Cement		
		0.46	1.07	0.61		Clayey Gravel		
		1.07	2.13	1.06		Gravel		
		2.13	3.05	0.92		Gravel & Small Wash		
		3.05	3.20	0.15		Hard Sand		
		3.20	5.18	1.98		Clay		
		5.18	5.79	0.61		Soft Slate Basement		
		5.79						
	GRADE	0	5.18	5.18	Trace			
1	7	0	0.46	0.46		Topsoil		
		0.46	0.76	0.30		Cement		
		0.76	2.44	1.68		Gravel		
		2.44	2.59	0.15		Small Wash		
		2.59	3.66	1.07		Clay		
		3.66	4.27	0.61		Soft Slate Basement		
				4.27				
	GRADE	0	3.66	3.66	Trace			



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7142M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
2	8	0	0.91	0.91		Topsoil
		0.91	1.83	0.92		Cement
		1.83	2.29	0.46		Clayey Gravel
		2.29	3.81	1.52		Gravel & Small Wash
		3.81	5.33	1.52		Gravel Slightly Clayey
		5.33	5.94	0.61		Soft Slate Basement
				5.94		
	GRADE	0	5.33	5.33	Trace	
2	9	0	0.91	0.91		Topsoil
		0.91	2.29	1.38		Cement
		2.29	3.81	1.52		Clayey Gravel
		3.81	6.71	2.90		Gravel
		6.71	9.45	2.74		Gravel & Small Wash
		9.45	9.91	0.46		Soft Slate Basement
				9.91		
	GRADE	0	9.45	9.45	Trace	
2	10	0	0.31	0.31		Topsoil
		0.31	2.44	2.13		Cement
		2.44	11.28	8.84		Gravel & Drift
		11.28	12.50	1.22		Drift & Fine Wash
		12.50	13.11	0.61		Soft Slate Basement
				13.11		
	GRADE	0	12.50	12.50	258.08	
3	11	0	0.46	0.46		Topsoil
		0.46	0.91	0.45		Small Wash
		0.91	2.29	1.38		Clay
		2.29	3.05	0.76		Sandy Clay
		3.05	4.11	1.06		Sand
		4.11	4.57	0.46		Soft Slate Basement
				4.57		
	GRADE	0	4.11	4.11	Trace	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7142M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY			
		FROM m	TO m	INT m					
3	12	0	0.46	0.46		Topsoil			
		0.46	0.76	0.30		Cement			
		0.76	1.07	0.31		Clayey Gravel			
		1.07	5.18	4.11		Gravel			
		5.18	5.49	0.31		Small Wash			
		5.49	7.32	1.83		Drift			
		7.32	8.08	0.76		Soft Slate Basement			
			8.08						
	GRADE	0	7.32	7.32	136.45				
3	13	0	0.46	0.46		Topsoil			
		0.46	0.91	0.45		Cement			
		0.91	1.98	1.07		Clayey Gravel			
		1.98	4.11	2.13		Gravel			
		4.11	4.88	0.77		Soft Slate Basement			
				4.88					
			GRADE	0	4.11	4.11	Trace		
3	14	0	0.31	0.31		Topsoil			
		0.31	0.91	0.60		Cement			
		0.91	5.49	4.58		Gravel			
		5.49	6.25	0.76		Clay			
		6.25	6.86	0.61		Soft Slate Basement			
				6.86					
			GRADE	0	6.25	6.25	Trace		
3	15	0	0.15	0.15		Topsoil			
		0.15	0.61	0.46		Cement			
		0.61	6.71	6.1		Gravel			
		6.71	7.93	1.22		Clay			
		7.93	8.53	0.60		Hard Slate Basement			
				8.53					
			GRADE	0	7.93	7.93	Trace		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7142M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY			
		FROM m	TO m	INT m					
3	16	0	0.46	0.46		Topsoil			
		0.46	0.76	0.30		Cement			
		0.76	2.29	1.53		Clayey Gravel			
		2.29	6.10	3.81		Gravel			
		6.10	6.71	0.61		Soft Slate Basement			
					6.71				
	GRADE	0	6.10	6.10	Trace				
4	17	0	0.31	0.31		Topsoil			
		0.31	1.52	1.21		Cement			
		1.52	6.71	5.19		Gravel			
		6.71	7.47	0.76		Gravel & Small Wash			
		7.47	7.62	0.15		Hard Slate Basement			
					7.62				
	GRADE	0	7.47	7.47	Trace				
4	18	0	0.46	0.46		Topsoil			
		0.46	0.76	0.30		Cement			
		0.76	4.88	4.12		Gravel			
		4.88	6.10	1.22		Clay			
		6.10	6.40	0.30		Sandy Clay			
		6.40	6.55	0.15		Hard Slate Basement			
			6.55						
	GRADE	0	6.40	6.40	Trace				
4	19	0	0.61	0.61		Topsoil			
		0.61	1.52	0.91		Clayey Gravel			
		1.52	5.18	3.66		Gravel			
		5.18	5.49	0.31		Hard Slate Basement			
				5.49					
			GRADE	0	5.18	5.18	Trace		



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7142M / 7141M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY
		FROM m	TO m	INT m		
4	20	0	0.31	0.31		Topsoil
		0.31	1.98	1.67		Clayey Gravel
		1.98	3.81	1.83		Gravel
		3.81	4.27	0.46		Soft Slate Basement
				4.27		
	GRADE	0	3.81	3.81	Trace	
4	21	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	1.22	0.31		Clayey Gravel
		1.22	4.42	3.20		Gravel
		4.42	5.79	1.37		Drift & Fine Wash
		5.79	5.94	0.15		Hard Slate Basement
				5.94		
	GRADE	0	5.79	5.79	154.25	
4	22	0	0.91	0.91		Topsoil
		0.91	1.22	0.31		Small Wash
		1.22	2.74	1.52		Sandy Clay
		2.74	6.10	3.36		Sand
		6.10	6.25	0.15		Hard Slate Basement
				6.25		
	GRADE	0	6.10	6.10	148.32	
4	23	0	0.61	0.61		Topsoil
		0.61	0.91	0.30		Cement
		0.91	1.37	0.46		Clay
		1.37	1.83	0.46		Loam
		1.83	2.29	0.46		Soft Slate Basement
				2.29		
	GRADE	0	1.83	1.83	Trace	
5	24	0	0.61	0.61		Topsoil
		0.61	1.22	0.61		Cement
		1.22	1.82	0.60		Clay
		1.82	2.44	0.62		Soft Slate Basement
				2.44		
	GRADE	0	1.82	1.82	Trace	



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7141M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY	
		FROM m	TO m	INT m			
5	25	0	0.76	0.76		Topsoil	
		0.76	1.66	0.90		Gravel	
		1.66	2.13	0.47		Soft Slate Basement	
				2.13			
		GRADE	0	1.66	1.66	Nil	
5	26	0	0.46	0.46		Topsoil	
		0.46	0.76	0.30		Cement	
		0.76	1.98	1.22		Clayey Gravel	
		1.98	5.03	3.05		Gravel	
		5.03	5.49	0.46		Gravel & Small Wash	
		5.49	5.79	0.30		Hard Slate Basement	
				5.79			
GRADE	0	5.49	5.49	Nil			
5	27	0	0.15	0.15		Topsoil	
		0.15	0.46	0.31		Cement	
		0.46	8.53	8.07		Gravel & Small Wash	
		8.53	8.99	0.46		Hard Slate Basement	
				8.99			
GRADE	0	8.53	8.53	Trace			
5	28	0	3.35	3.35		Gravel	
		3.35	8.23	4.88		Gravel & Small Wash	
		8.23	9.14	0.91		Clay	
		9.14	9.60	0.46		Sand	
		9.60	10.67	1.07		Loam	
		10.67	10.97	0.30		Hard Slate Basement	
		10.97					
GRADE	0	10.67	10.67	Trace			
6	29	0	0.31	0.31		Topsoil	
		0.31	0.61	0.30		Cement	
		0.61	3.51	2.90		Clayey Gravel	
		3.51	4.88	1.37		Clay	
		4.88	5.33	0.45		Loam	
		5.33	5.64	0.31		Soft Slate Basement	
				5.64			
GRADE	0	5.33	5.33	Trace			



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7141M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY		
		FROM m	TO m	INT m				
6	30	0	0.46	0.46		Topsoil		
		0.46	0.61	0.15		Cement		
		0.61	3.20	2.59		Clayey Gravel		
		3.2	4.11	0.91		Hard Sand		
		4.11	4.72	0.61		Clay		
		4.72	5.03	0.31		Loam		
		5.03	5.33	0.30		Soft Slate Basement		
				5.33				
	GRADE	0	5.03	5.03	Trace			
6	31	0	0.31	0.31		Topsoil		
		0.31	1.07	0.76		Clayey Gravel		
		1.07	1.68	0.61		Loam		
		1.68	2.59	0.91		Soft Slate Basement		
				2.59				
	GRADE	0	1.68	1.68	Trace			
7	32	0	0.61	0.61		Topsoil		
		0.61	0.76	0.15		Cement		
		0.76	3.20	2.44		Gravel		
		3.2	3.96	0.76		Silt		
		3.96	4.27	0.31		Gravel & Small Wash		
		4.27	4.88	0.61		Soft Slate Basement		
				4.88				
	GRADE	0	4.27	4.27	Trace			
7	33	0	0.46	0.46		Topsoil		
		0.46	0.61	0.15		Cement		
		0.61	0.91	0.30		Clayey Gravel		
		0.91	8.84	7.93		Gravel		
		8.84	10.97	2.13		Gravel & Small Wash		
		10.97	12.50	1.53		Clay		
		12.50	12.80	0.30		Hard Slate Basement		
				12.80				
	GRADE	0	12.50	12.50	Trace			



HISTORICAL DRILL LOGS

LITHOLOGIC AND GRADE

SOURCE: MRT MRT FILE #: 266 / 25 DATE: 1917
 DRILLER: H. T. Roach LOCATION: Doone Workings LEASE #: 7141M

LINE NUMBER	HOLE NUMBER	INTERVAL			GRADE Gm/m ³	LITHOLOGY		
		FROM m	TO m	INT m				
8	34	0	0.61	0.61		Topsoil		
		0.61	1.22	0.61		Cement		
		1.22	5.79	4.57		Gravel		
		5.79	10.06	4.27		Gravel & Small Wash		
		10.06	10.21	0.15		Hard Slate Basement		
					10.21			
	GRADE	0	10.06	10.06	Trace			
9	35	0	0.61	0.61		Topsoil		
		0.61	1.22	0.61		Cement		
		1.22	6.10	4.88		Gravel		
		6.1	6.55	0.45		Gravel & Small Wash		
		6.55	7.01	0.46		Soft Slate Basement		
					7.01			
	GRADE	0	6.55	6.55	Trace			
9	36	0	0.31	0.31		Topsoil		
		0.31	0.76	0.45		Cement		
		0.76	3.66	2.90		Gravel		
		3.66	5.64	1.98		Gravel & Small Wash		
		5.64	5.94	0.30		Hard Slate Basement		
					5.94			
	GRADE	0	5.64	5.64	Trace			

MINERAL HOLDINGS AUSTRALIA PTY., LIMITED

ALLUVIAL LITHOLOGIC AND SAMPLING LOG

PROJECT: Taylors Area		GEOLOGY: D. Duncan		DATE: 4th June 2001					
PIT NO	INTERSECTION			LITHOLOGY	LITHOLOGIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL m	SAMPLE VOLUME LCM	SAMPLE DESCRIPTION
	FROM m	TO m	INT m						
TAY PIT NO 1	0	4.0	4.0		Red brown sands on old work face with one 0.5 m pebble layer 1 m down from top	T 114	4.9 to 5.9	0.8	Grey granite derived, gritty wash, minor clay; clasts to 10 cm - quartzite, quartz and cleaved sandstone
	4.0	4.9	0.4		Buff to grey sandy wash to basement				
	4.9	5.5	0.6		Coarse sand				
	5.5	5.9	0.4		Basal wash				
	5.9			+	Granite basement				
TAY PIT NO 2	0	6.0	6.0		Red brown sands on old work face, with pebbly layers in interval 1.0 to 3.5 m	T 115 T 116	7.0 to 7.8 1.0 to 3.5	1.1 1.1	T 115 - grey granite derived wash; quartz and metasediment pebbles to 2 cm in gritty matrix; minimum clay. T 116 - iron stained, cemented pebble layers; matrix supported, rounded, quartzite and quartz clasts to 3 cm
	6.0	7.0	1.0		Clay, fining upwards to sand				
	7.0	7.8	0.8		Wash				
	1.0	4.0	1.7	+	Granite basement				
TAY PIT NO 3	0	6.4	6.4		Sands with gravel layers in old work face	T 117	6.4 to 8.4	0.9	Dark grey sandy wash; occasional rounded to flakey clasts to 15 cm of quartzite, quartz and metasediment, gritty matrix, minor clay
	6.4	8.4	2.0		Grey wash				
	8.4			+	Granite basement				
TAY PIT NO 4	0	3.0	3.0		Red brown iron stained sands with several layers of gravel	T 118	3.0 to 4.0	0.9	Dark grey sandy wash; occasional rounded to flakey clasts to 10 cm of quartzite, quartz and metasediments; gritty matrix, minor clay
	3.0	4.0	1.0		Grey wash				
	4.0			+	Granite basement				
TAY PIT NO 5	0	2.2	2.2		Sands in floor of old workings	T 119	2.2 to 3.2	0.65	Dark grey sandy wash; occasional rounded to flakey clasts to 15 cm of quartzite, quartz and metasediment; gritty matrix, minor clay.
	2.2	0	0		Grey wash				
	0	0	0	+	Granite basement				

MINERAL HOLDINGS AUSTRALIA PTY., LIMITED

ALLUVIAL LITHOLOGIC AND SAMPLING LOG

PROJECT: Taylors Area		GEOLOGY: D. Duncan		DATE: 4th June 2001				
PIT NO	INTERSECTION			LITHOLOGIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL m	SAMPLE VOLUME LCM	SAMPLE DESCRIPTION
	FROM m	TO m	INT m					
TAY PIT NO 6	0	1.5	1.5	Old washed tailings resting on sloppy slimes	T 120	0 to 1.5	0.85	Light grey sandy wash, rounded to flakey clasts to 0.5 cm of quartzite, quartz and sandstone in a grey matrix
TAY PIT NO 7	0	7.0	7.0	Red brown iron stained sands on old work face, with several layers of gravel	T 121	7.0 to 8.7	1.1	Grey gritty wash, occasional quartzite, quartz and sandstone clasts to 10 cm.
	7.0	8.7	1.7	Grey wash				
	8.7		+	Granite basement				
LITHOLOGY								