MAYDENA SANDS PTY LTD

ACN 111 938 428 ABN 65 111 938 428

EXPLORATION LICENCE NO. 17/2002

MAYDENA, TASMANIA

ANNUAL REPORT

TO

10 January 2007

GERHARD K. KRUMMEI

NOVEMBER 2006

Suite 28, 487 St.Kilda Road, Melbourne Vic 3004 Australia
Telephone and Facsimile: 61 3 9820 2595

ABSTRACT

Encouragingly low levels of iron (10-30ppm Fe_2O_3) and Titanium (20ppmTiO_2) were achieved in the silica flour end product derived from processing two small bulk samples.

These results are unfortunately offset by undesirably high concentrations of alkali metals, the source of which is, as yet, unknown.

In the overall context, it is concluded that investigations at the Hedgehog Ridge Prospect should continue.

Keywords:

E.L.17/2002, Hedgehog Ridge Prospect,
Silica flour, Bulk Samples, Analyses.

C O N T E N T S

1. INTRODUCTION

This report details activities by Maydena Sands Pty Ltd in EL.17/2002 in the fourth year of tenure to 10.01.2007.

Interest in the ground covered by this exploration licence arose as a result of J J McDonald & Sons Mining Pty Ltd activities at the Pine Hill silica sand deposit located within RL 2/2003 some 5 km to the south east.

In early 2005, these tenements were transferred into a new entity, Maydena Sands Pty. Ltd., which continues to focus under the same management on the exploration, assessment and development of the silica sand, silica flour and hard rock silica resources delineated within them.

Regional mapping by MRT geologists indicates that the geological formations potentially prospective for additional resources of silica sand and flour extend into this area in a north westerly direction from the Pine Hill deposit.

An added attraction is the availability of basic access to the main zone of interest.

2. TENURE

On the 30th of April 2002 an application was lodged by J J McDonald & Sons Mining Pty Ltd for an exploration licence of 13 sq km covering ground potentially prospective for silica sand/flour and silica rock associated with lower Cambrian sequences 7-10 km WSW of Maydena.

The area originally applied for was contiguous to the west with RL 2/2003 (formerly part of EL 17/1998) where a limited resource of potentially economic, good quality silica flour and silica sands has been delineated.

Ministerial consent to the grant of this exploration licence was obtained on 28/01/03 effective for *5* years to 10th January 2008.

In November 2004, application for a reduction of the original 13 sq km tenement area by 9 sq km to the current size of 4 sq km surrounding the Hedgehog Ridge silica sand and flour prospect (viz. Fig 2) was approved by the Director of Mines on 26.05.2005. Exploration

activities and outcomes during tenure of the larger area are summarized in a Partial Relinquishment Report by Krummei (2004) (a).

On the same date, title to the reduced Exploration Licence area was transferred to Maydena Sands Proprietary Limited, a Company formed to hold and operate the exploration and mining interests of the Directors and Shareholders of J J McDonald & Sons Mining Pty Ltd in the Maydena district.

A further relinquishment to an area of 2sq.km is currently under application.

The reduced tenement now comprises:

State Forest – Multiple use forest land

MDC Informal Reserve Area

3. LOCATION AND INFRASTRUCTURE

Reduced EL 17/2002 lies to the west of Pine Hill with its eastern boundary approximately 7 km west of Maydena and about 95 km by sealed road west of Hobart (Fig.1).

The sealed Gordon River Road traverses the tenement diagonally from south east to north west providing excellent basic access to the area. However, thick vegetation, topography and drainage impede access within the immediate area of interest.

Other basic facilities, including housing and labour, are available in the small township of Maydena (pop. ca. 400) and surrounding district.

A single strand power line follows the Gordon River Road through the tenement.

A 700 m long, east-west oriented, fair weather gravel airstrip is located about 1 km eastwards off the eastern boundary of the tenement.

A narrow gauge railway line from New Norfolk to Maydena has been progressively upgraded as far as the entrance to the Mt Field National Park. There are plans to complete the remaining 15 km section to Maydena in due course.

4. OBJECTIVES AND TARGETS

The overall objective of the exploration activities during tenure of this exploration licence is to add commercially viable resources of high purity silica sand and flour to those already outlined by J J McDonald & Sons Mining Pty Ltd (now vested in Maydena Sands Pty Ltd) at the Eastern Quarry, Pine Hill, in RL 2/2003, 5 km to the East. High quality silica rock remains a subsidiary target.

Following general reconnaissance, the main target remained the western end of a 4x1 km belt of steeply dipping, lower Cambrian sediments with carbonate sequences, which extend in a north westerly direction from Pine Hill.

5. PREVIOUS EXPLORATION

Although the area was part of BHP's EL 13/65 and EL 8/79 and later also fell within Amoco's EL 14/84, neither company undertook any work related to industrial minerals in this segment of their tenements (Ellis, in Jones, 1989).

Pioneer Silicon Industries Pty. Ltd. (PSI) embraced the area within its EL 14/88 but little, if any, work was carried out in this segment west of Pine Hill.

On taking over PSI's tenement in 1992, the Northwest Bay Co Pty Ltd successfully outlined a small resource of about 355,000 tonnes of good quality, open cuttable dolomite on the southern slopes of Kallista Hill situated approximately 2 km west of Pine Hill (Forster, 1993). Due to the demise of the operator, no production ensued and the ground was ultimately relinquished.

In the early 1990s, Mineral Resources Tasmania (MRT) completed three shallow diamond drill holes as part of its reconnaissance of the Tertiary/Quaternary sequences of the surrounding area (for locations see Calver and Forsyth, 1999):

Hole Styx 2	:	0 - 31m	:	Quaternary sediments
Hole Styx 3	:	0 – 32	:	Quaternary sediments
		32 – 35	:	Cambrian sandstone
Hole Styx 6	:	0 – 21	:	Quaternary sediments
		21- 22	:	Ordovician

1:25,000 scale mapping of the Maydena Sheet was completed by MRT geologists Calver & Forsyth in 1999, providing a basic, up-to-date geological framework for this district.

In 2003, during its first year of tenure, JJ McDonald & Sons Mining Pty Ltd focused its activities on both the dolomite and silica rock/flour prospectivity of the larger tenement area. Reconnaissance identified the Loading Spur silica rock/gravel prospect and the Hedgehog Ridge silica flour prospect for further follow-up. A market study and departure of a potential client did not encourage further pursuit of a viable dolomite resource at this time. (Krummei 2003).

Attention during the second year of tenure was concentrated on the two silica prospects outlined. Only a low tonnage potential for silica rock/gravel was indicated at the Loading Bay Spur Prospect and deemed of no further immediate interest. In contrast, encouraging low levels of impurities, especially iron, were indicated by assays of several surface samples of silica flour and gravel at the Hedgehog Ridge Prospect. (Krummei 2004).

The third year's activities were focused on the Hedgehog Ridge Prospect. They comprised line cutting and gridding to provide access for further assessment of the silica flour occurrences there, followed by grid mapping and limited surface sampling.

This year's activities concentrated on the northern part of the deposit and were aimed at a preliminary assessment of the quality and yield of the material to hand.

6. CURRENT ACTIVITIES

6.1 Work done:

Hedgehog Ridge Prospect

- Discussions with Forestry Tasmania re land use classification in EL area.
- Ground check on accurate grid point survey.
- Collection of two small bulk samples of approximately 10 kg each from the northern part of the deposit for laboratory bench-scale beneficiation tests.
- Size distribution analyses on each of the bulk samples.
- Analyses of individual size fractions.

- Separation of the +38-250 micron fraction of each of the bulk samples
- Bench top laboratory beneficiation and magnetic cleanup of the +38-250 micron fraction of each of the bulk samples
- Analyses of head samples and beneficiated samples generated
- Particle size grading determinations, by Mastersizer, of each of the two final products generated
- Application for a partial relinquishment, plus completion of partial relinquishment report
- Removal of pegs and marker tape from relinquished ground

6.2 Statistical Summary:

No. of small bulk samples collected	:	2
Average weight	:	10 kg approx. each
No. of sizing determinations	:	9
No. of size fractions analysed	:	9
No. of determinations	:	198
No. of small bulk samples processed	:	2
No. of process route samples generated	:	8
No. of process samples analysed	:	8
No. of determinations	:	96
No. of processed samples sized	:	2

Expenditure for 9 months to 30.09.06	:	$ 3,643.00
Cumulative Expenditure to 30.09.06	:	$31,676.00
Estimated expenditure for 12 months to 10.01.07	:	$11,000.00

6.3 Partial Relinquishment:

In November 2006, an application, together with a brief relinquishment report, was submitted to MRT for a further reduction of the 4 sq.km tenement by 2 sq.km to a residual area of 2 sq.km (Fig.2).

Approval of this second ground relinquishment is awaited.

7. RESULTS

7.1 Hedgehog Ridge Prospect:

Two samples of raw material silica sand, each of about 10 kg, were collected from old road cuttings in the northern half of the prospect.

These samples were:

No.	AGD 1966 Co-ords		
HR001B	5265813mN	461324mE	(approx)
HR002B	5266090mN	461174mE	(approx)

These samples were submitted to Burnie Research Laboratory for preliminary, indicative bench top beneficiation tests which included:

- Size distribution analyses on an about 300 gms of raw material from each sample using plastic screens.
- Screening out the +38-250 micron fraction.
- Aggressive attrition washing for ca. 30 minutes of the +38-250 micron size fraction of each sample; pulp make-up – 30% water, 70% solids approx.
- De-sliming and drying each sample after attritioning.

The washed, de-slimed and dried +38-250 micron samples were cleaned up at Eriez by WHIMS at a magnetic field strength of +15,000 gauss.

The raw material head sample, the +30-250 micron head sample, the post-attrition wash and post-WHIMS samples were submitted for assay.

Significant delays in turn-around were experienced both in the processing and the assay laboratories due to work overloads.

7.1.1 Sample Sizing – Raw Material

Details are shown in Appendix 1.

In summary:

Sample No.	Oversize %	+38-250u Fraction %	Undersize %	Total %
HR001B	31.00	38.9	30.00	99.9
HR002B	28.30	53.40	18.30	100.0

The results indicate an approximate yield of the desired size band in the range of 39-53%.

7.1.2 Analyses – Raw Material Size Fractions

Assays of the individual size fractions are presented in Appendix 2.

The results show a general tendency for impurity levels to increase in the -38 micron fraction.

The low readings for iron, chromium and titanium in the target +38-250 micron fraction are encouraging. However, the elevated levels of alkali metals, especially Al and Ca are a cause for concern and require further investigation.

Loss on ignition (LOI) is also somewhat higher than the expected 0.1-0.15% range.

7.1.3 Sample Processing and Analyses

The sample processing method is described in Section 7.1 above.

The procedure resulted in four samples for assay for each bulk sample:

- Head sample 1 - original unsized raw material
- Head sample 2 - +38-250 micron fraction before attrition wash
- Sample BM - +38-250 micron fraction after attrition wash
- Sample NM - +38-250 micron non-magnetic fraction after WHIMS

The assay results for the washed and non-magnetic samples (See Appendix 3) are very encouraging with respect to the low levels of iron, chromium and particularly titanium. They reflect the data for the samples in the +38-250 micron size band in Appendix 2 relating to unprocessed material, both in regard to the low ferrous and higher alkali metal values.

Sizing data for the attrition washed (pre-WHIMS) samples show:

Sample No.	d(0.1) micron	d(0.5) micron	d(0.9) micron
HR001B-BM	37	85	205
HR002B-BM	49	102	224

These results were obtained using a MALVERN Mastersizer 2000 at the University of Ballarat. Details are shown in Appendix 4.

8. ENVIRONMENTAL & REHABILITATION ACTIVITIES

Ground disturbance during test sample collection was insignificant and no rehabilitation was necessary.

Pegs and marker tape were removed from ground subject to the relinquishment application.

9. CONCLUSIONS

9.1 The low levels of iron, titanium and chromium reporting in the silica flour end products of laboratory scale processing of two small bulk samples are encouraging.

9.2 Notwithstanding the elevated levels of alkali metals remaining in these end-products, investigations into the potential of the comparatively small resource at this prospect should continue.

9.3 These investigations should also address the source and possible reduction of the contamination by alkali metals of the silica flour end products.

10. RECOMMENDATIONS

10.1 Continue investigations into the extent and quality of the Hedgehog Ridge silica in the light of generally encouraging results to date.

10.2 Investigate the source of the contamination of the deposit by alkali metals and, if possible, identify and test methods for their reduction or removal.

11. PROPOSED FUTURE ACTIVITIES

11.1 Collect, test and evaluate at least one small bulk sample from the southern half of the prospect.

11.2 Undertake microscope examination of the end products to determine the possible source of the high levels of Al, Ca, Mg and investigate possible methods to reduce them.

11.3 Subject to positive outcomes from 11.1 and 11.2 above, and availability of a line cutting/gridding crew, limited fill-in line cutting and gridding for mapping to assist better resource definition.

11.4 Assess optimal methods to obtain information on the depth extent of the deposit, with due regard to the topography, thick vegetation and sensitivity of the area of interest.

11.5 If warranted, undertake depth tests, sampling and assaying as appropriate.

12. REFERENCES

Calver, C R & Forsyth S M	1999	Maydena, Tasmania; Digital Geological Atlas, 1:25,000 Series; Tasmanian Geological Survey
Ellis, P D in Jones, P A	1989	Exploration Licence No. 14/88, Maydena, Tasmania. Progress Report on Exploration Activity 5th August 1988 to 5th July 1989
Forster, M C	1992	EL 14/88, Maydena, Annual Report – Year 4.
Forster, M C	1993	EL 14/88, Maydena, Annual Report – Year 5.
Krummei, G K	2003	Exploration Licence No.17/2002, Maydena, Tasmania. Annual Report to 10th January, 2004.
Krummei, G K	2004	(a) Exploration Licence No.17/2002, Maydena, Tasmania. Partial Relinquishment Report
Krummei, G K	2004	(b) Exploration Licence No.17/2002, Maydena, Tasmania. Annual Report to 10th January, 2005
Krummei, G K	2005	Exploration Licence No.17/2002, Maydena, Tasmania. Annual Report to 10th January, 2006.
Krummei, G K	2006	Exploration Licence No.17/2002, Maydena, Tasmania. Partial Relinquishment Report
McBain, M	2003	Market Survey – Dolomite in Tasmania AusITech Services Report

APPENDIX 1

HEDGEHOG RIDGE PROSPECT

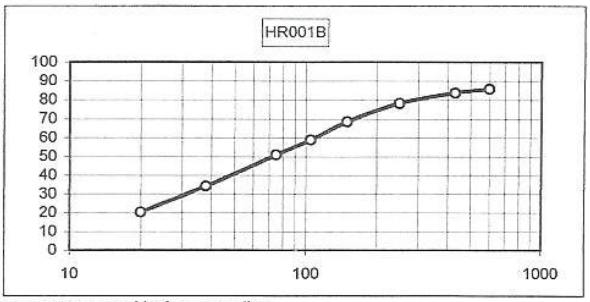
SIZINGS – RAW MATERIAL SAMPLES

Bunnie RESEARCH LABORATORY
SIZING AND SIZE ANALYSIS REPORT SHEET

PROJECT	T0202
TEST NO	SIZING
DATE	7/08/2006
TECHNICIAN	GFR

SIZING

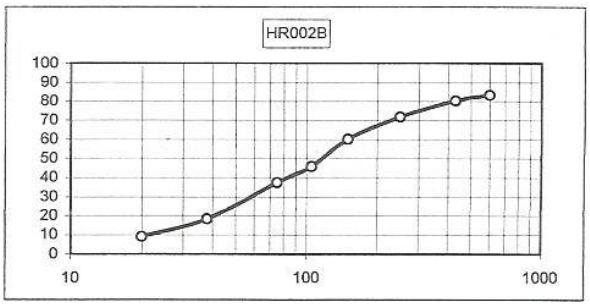
HR001B		SIZE	WEIGHTS		
		um	gm	(%)	(%)PASS
	P80	600	47.93	14.23	85.8
		430	6.57	1.95	83.8
	306	250	18.70	5.55	78.3
		150	32.33	9.60	68.7
		105	32.59	9.68	59.0
		75	27.16	8.07	50.9
		38	56.65	16.82	34.1
		20	46.49	13.81	20.3
		SUB	68.33	20.29	0.0
		TOTAL	336.75	100.00	



** For Sample HR001B, grossly oversized rocks ranging from ~10mm to ~50mm were removed before sampling.
These rocks accounted for approximately 13.5% of the initial sample.

SIZING

HR002B		SIZE	WEIGHTS		
		um	gm	(%)	(%)PASS
	P80	600	61.33	16.71	83.3
		430	10.79	2.94	80.4
	423	250	31.60	8.61	71.7
		150	42.64	11.62	60.1
		105	52.38	14.27	45.9
		75	30.22	8.23	37.6
		38	71.11	19.37	18.3
		20	34.08	9.28	9.0
		SUB	32.95	8.98	0.0
		TOTAL	367.10	100.00	



APPENDIX 2

HEDGEHOG RIDGE PROSPECT

ASSAY RESULTS – RAW MATERIAL SIZINGS

Burnie RESEARCH LABORATORY
A Division of AMMTEC Ltd ABN: 40 396 637 856
Hydrometallurgy Consultants & Flotation Technology Specialists
39 River Road, Wivenhoe, TAS 7320 PO Box 952, Burnie, TAS 7320
Tel: 03 6431 6333 Fax: 03 6431 6896 Office Email: linda.dean@burnielab.com.au

SAMPLE DESPATCH SHEET

Dispatch Number	T202001
Date Dispatched	26/09/06
Submitted By	Neil Bourne
No of Samples	18
Type	Si Sands
Priority	
Order Number	
Results To	

Dispatch To Attn: Gerhard Krummei Maydena Sands Suite 28, 487 St Kilda Rd Melbourne Vic 3004
Transport Total Mass kg 0.5kg

Description	Sample No From	Sample No Labbil To	Analyses Requested	Notes
HR001B	+600um	1HRB 600		Coarse white leached particles
	+430um	1HRB 430		Some coarse organics; all sample used
	+250um	1HRB 250		Coarse organics
	+150um	1HRB 150		organics
	+105um	1HRB 105		organics
	+75um	1HRB 075		
	+38um	1HRB 038		
	+20um	1HRB 020		
	-20um	1HRB 010		
HR002B	+600um	2HRB 600		
	+430um	2HRB 430		Some larger organics - all sample used
	+250um	2HRB 250		organics
	+150um	2HRB 150		Some small organics
	+105um	2HRB 105		Some small organics
	+75um	2HRB 075		
	+38um	2HRB 038		
	+20um	2HRB 020		
	-20um	2HRB 010		

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Australia - Townsville Survey Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 16-OCT-2006
Account: MCDSON

CERTIFICATE BR06097071

Project:

P.O. No.: SSF 224187

This report is for 23 Silica Sand samples submitted to our lab in Brisbane, QLD, Australia on 2-OCT-2006.

The following have access to data associated with this certificate:

GERHARD KRUMMEI		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
PUL-42	Pulverize Agate Mill
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP64	Method for Silica Sample Sand	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ

To: MAYDENA SANDS PTY LTD
ATTN: GERHARD KRUMMEI
SUITE 28/487 ST KILDA ROAD
MELBOURNE VIC 3004

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Simon Kenny, Brisbane Laboratory Manager

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR06097071

Sample Description	Method	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	OA-GRA05
	Analyte	Al2O3	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	TiO2	V2O5	LOI
	Units	%	%	ppm	%	%	%	%	%	%	%	%
	LOR	0.001	0.001	1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01
1HRB 010		0.076	0.069	2	0.009	0.010	0.024	<0.001	0.007	0.044	<0.001	0.34
1HRB 020		0.042	0.076	<1	0.004	0.005	0.032	<0.001	0.005	0.003	<0.001	0.25
1HRB 038		0.040	0.056	1	0.001	0.003	0.019	<0.001	0.004	0.003	<0.001	0.22
1HRB 075		0.043	0.039	1	0.001	0.002	0.014	<0.001	0.004	0.002	<0.001	0.22
1HRB 105		0.047	0.031	1	0.003	0.002	0.013	<0.001	0.004	0.002	<0.001	0.21
1HRB 150		0.049	0.028	1	0.004	0.003	0.011	<0.001	0.004	0.002	<0.001	0.20
1HRB 250		0.055	0.029	1	0.001	0.003	0.011	<0.001	0.004	0.004	<0.001	0.20
1HRB 430		0.064	0.034	1	0.001	0.004	0.017	<0.001	0.004	0.009	<0.001	0.30
1HRB 600		0.057	0.022	1	0.004	0.003	0.009	<0.001	0.004	0.032	<0.001	0.20
2HRB 010		0.055	0.083	2	0.020	0.002	0.046	0.001	0.004	0.042	<0.001	0.49
2HRB 020		0.034	0.104	1	0.006	0.002	0.063	<0.001	0.003	0.004	<0.001	0.28
2HRB 038		0.028	0.084	1	0.004	0.001	0.051	<0.001	0.003	0.003	<0.001	0.29
2HRB 075		0.025	0.063	1	0.003	0.002	0.036	<0.001	0.003	0.002	<0.001	0.20
2HRB 105		0.021	0.043	1	0.001	0.001	0.025	<0.001	0.003	0.002	<0.001	0.21
2HRB 150		0.017	0.032	1	0.001	0.001	0.017	<0.001	0.003	0.002	<0.001	0.16
2HRB 250		0.017	0.029	1	0.003	0.001	0.015	<0.001	0.003	0.003	<0.001	0.17
2HRB 430		0.015	0.029	1	0.001	0.001	0.015	<0.001	0.004	0.004	<0.001	0.23
2HRB 600		0.011	0.022	1	0.003	0.001	0.012	<0.001	0.003	0.018	<0.001	0.14

APPENDIX 3

HEDGEHOG RIDGE PROSPECT

ASSAYS

PROCESSED MATERIAL

(+38-250 Micron Fraction)

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Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 14-DEC-2006
Account: MCDSON

CERTIFICATE BR06114834

Project:
P.O. No.: SSF 224188
This report is for 10 Silica Sand samples submitted to our lab in Brisbane, QLD, Australia on 16-NOV-2006.
The following have access to data associated with this certificate:

GERHARD KRUMMEI		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LEV-01	Waste Disposal Levy
PUL-42	Pulverize Agate Mill
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP64	Method for Silica Sample Sand	ICP-AES
ME-GRA05	H2O/LOI by TGA furnace	TGA

To: **MAYDENA SANDS PTY LTD**
ATTN: GERHARD KRUMMEI
SUITE 28/487 ST KILDA ROAD
MELBOURNE VIC 3004

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Shaun Kenny, Brisbane Laboratory Manager

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Australian Laboratory Services Pty Ltd

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 14-DEC-2006
Account: MCDSON

CERTIFICATE OF ANALYSIS BR06114834

Sample Description	Method / Analyte / Units / LOR	ME-ICP64 Al2O3 % 0.001	ME-ICP64 CaO % 0.001	ME-ICP64 Cr2O3 ppm 1	ME-ICP64 Fe2O3 % 0.001	ME-ICP64 K2O % 0.001	ME-ICP64 MgO % 0.001	ME-ICP64 MnO % 0.001	ME-ICP64 Na2O % 0.001	ME-ICP64 P2O5 % 0.001	ME-ICP64 TiO2 % 0.001	ME-ICP64 V2O5 % 0.001	ME-GRA05 LOI % 0.01	
HR001B - HEAD 1		0.074	0.050	3	0.009	0.005	0.020	<0.001	0.005	0.001	0.087	<0.001	0.16	basic RAW MATERIAL
HR001B - HEAD 2		0.066	0.054	<1	0.003	0.002	0.028	<0.001	0.004	<0.001	0.003	<0.001	0.21	+38-250µ fraction
HR001B - BM		0.060	0.052	1	0.001	0.002	0.026	<0.001	0.004	<0.001	0.002	<0.001	0.18	" " " washed
HR001B - NM		0.076	0.049	<1	0.003	0.002	0.020	<0.001	0.004	<0.001	0.002	<0.001	0.26	" " " non-mag.
HR002B - HEAD 1		0.025	0.057	1	0.004	0.001	0.029	<0.001	0.004	0.002	0.012	<0.001	0.24	basic RAW MATERIAL
HR002B - HEAD 2		0.023	0.065	<1	0.003	0.001	0.033	<0.001	0.003	0.002	0.002	<0.001	0.20	+38-250µ fraction
HR002B - BM		0.023	0.063	<1	0.003	<0.001	0.033	<0.001	0.003	0.002	0.002	<0.001	0.18	" " " washed
HR002B - NM		0.025	0.064	<1	0.003	0.001	0.034	<0.001	0.003	0.002	0.002	<0.001	0.20	" " " non-mag

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 14-DEC-2006
Account: MCDSON

QC CERTIFICATE OF ANALYSIS BR06114834

Sample Description	Method	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-ICP64	ME-GRA05
	Analyte	Al2O3	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	TiO2	V2O5	LOI
	Units	%	%	ppm	%	%	%	%	%	%	%	%	%
	LOR	0.001	0.001	1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01
STANDARDS													
BCS267		0.843	1.685	132	0.782	0.123	0.040	0.163	0.054	0.023	0.160	0.002	
Target Range - Lower Bound		0.789	1.625		0.734	0.121	0.054	0.138	0.055		0.157		
Upper Bound		0.911	1.875		0.847	0.142	0.065	0.161	0.066		0.183		
BSC313-1		0.036	0.007	1	0.016	0.005	0.001	<0.001	0.005	0.001	0.015	<0.001	
Target Range - Lower Bound		0.033	0.005	<1	0.010	0.003	<0.001	<0.001	0.002		0.015		
Upper Bound		0.040	0.007	2	0.014	0.006	0.002	0.002	0.004		0.019		
LAT-CS8													10.29
Target Range - Lower Bound													9.84
Upper Bound													10.46
BLANKS													
BLANK		<0.002	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	
Target Range - Lower Bound		<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Upper Bound		0.002	0.002	2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
DUPLICATES													
DOR011		2.29	0.035	6	0.139	1.230	0.023	0.003	0.070	0.048	0.334	0.001	0.97
DUP		2.57	0.005	9	0.156	1.125	0.029	0.003	0.066	0.048	0.337	0.001	0.96
Target Range - Lower Bound		2.34	0.017	5	0.140	1.135	0.023	<0.001	0.064	0.044	0.322	<0.001	0.92
Upper Bound		2.52	0.023	10	0.155	1.220	0.029	0.005	0.072	0.052	0.349	0.002	1.01

APPENDIX 4

HEDGEHOG RIDGE PROSPECT

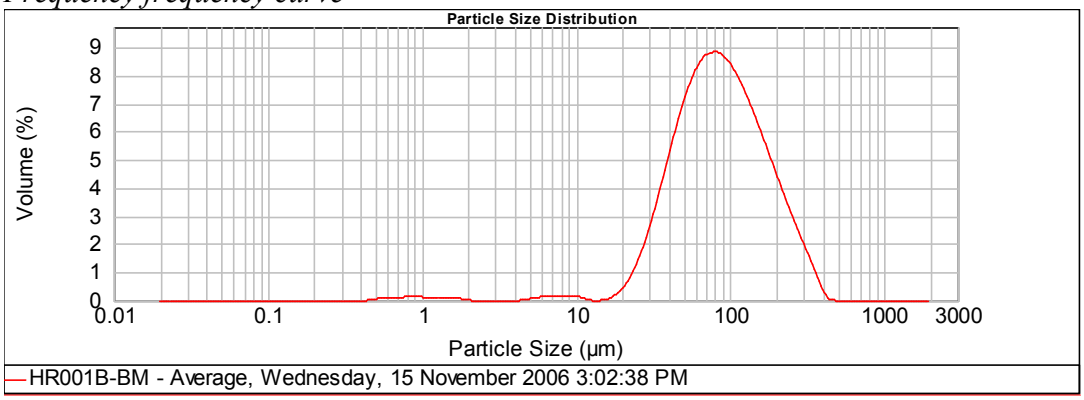
SIZING DATA – WASHED PRODUCT

Maydena Sands
Sample HR001B-BM
15th November 2006

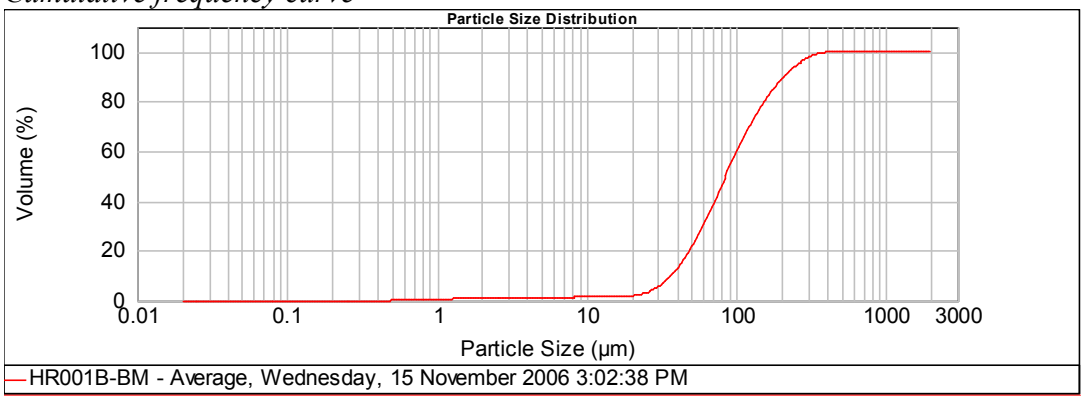
Average of three virtually identical runs

Percentile measurements: d(0.1) = 37 µm, d(0.5) = 85 µm, d(0.9) = 205 µm

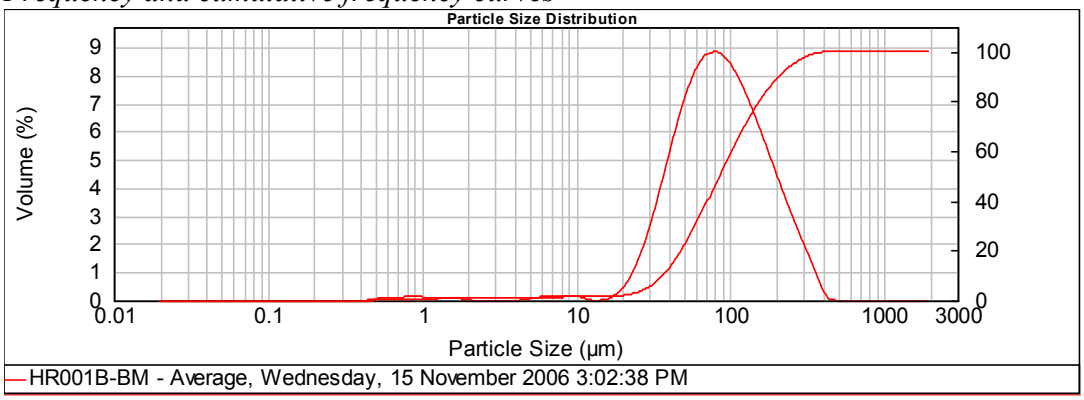
Frequency frequency curve



Cumulative frequency curve



Frequency and cumulative frequency curves



Size (µm)	Volume In %
0.010	0.00
0.011	0.00
0.013	0.00
0.015	0.00
0.017	0.00
0.020	0.00
0.023	0.00
0.026	0.00
0.030	0.00
0.035	0.00
0.040	0.00
0.046	0.00
0.052	0.00
0.060	0.00
0.069	0.00
0.079	0.00
0.091	0.00
0.105	0.00

Size (µm)	Volume In %
0.105	0.00
0.120	0.00
0.138	0.00
0.158	0.00
0.182	0.00
0.209	0.00
0.240	0.00
0.275	0.00
0.316	0.00
0.363	0.00
0.417	0.00
0.479	0.00
0.550	0.06
0.631	0.08
0.724	0.10
0.832	0.11
0.955	0.11
1.096	0.11

Size (µm)	Volume In %
1.096	0.10
1.259	0.09
1.445	0.07
1.660	0.05
1.905	0.00
2.188	0.00
2.512	0.00
2.884	0.00
3.311	0.00
3.802	0.00
4.365	0.02
5.012	0.09
5.754	0.12
6.607	0.15
7.586	0.16
8.710	0.14
10.000	0.11
11.482	

Size (µm)	Volume In %
11.482	0.01
13.183	0.00
15.136	0.05
17.378	0.23
19.953	0.56
22.909	1.11
26.303	1.89
30.200	2.87
34.674	3.98
39.811	5.13
45.709	6.19
52.481	7.06
60.256	7.66
69.183	7.95
79.433	7.93
91.201	7.64
104.713	7.14
120.226	

Size (µm)	Volume In %
120.226	6.50
138.038	5.75
158.489	4.97
181.970	4.16
208.930	3.37
239.883	2.60
275.423	1.89
316.228	1.20
363.078	0.46
416.869	0.03
478.630	0.00
549.541	0.00
630.957	0.00
724.436	0.00
831.764	0.00
954.993	0.00
1096.478	0.00
1258.925	

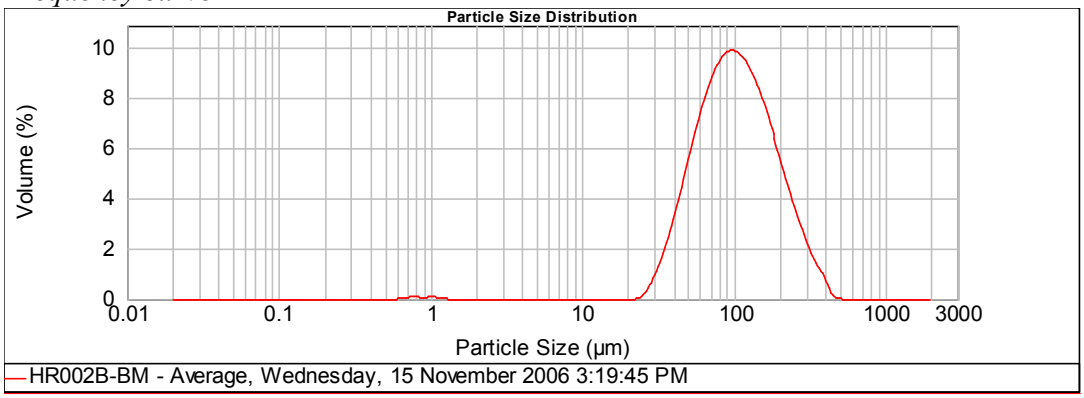
Size (µm)	Volume In %
1258.925	0.00
1445.440	0.00
1659.587	0.00
1905.461	0.00
2187.762	0.00
2511.886	0.00
2884.032	0.00
3311.311	0.00
3801.894	0.00
4365.158	0.00
5011.872	0.00
5754.399	0.00
6606.934	0.00
7585.776	0.00
8709.636	0.00
10000.000	

Maydena Sands
Sample HR002B-BM
15th November 2006

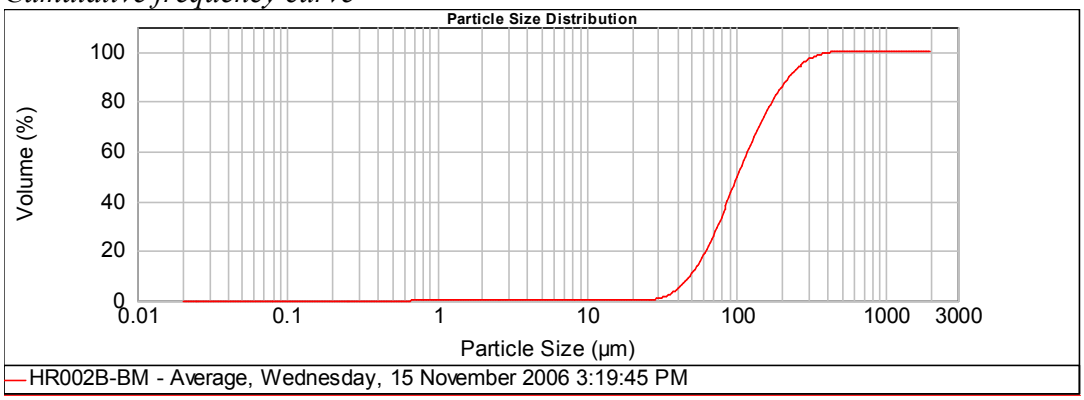
Average of three virtually identical runs

Percentile measurements: d(0.1) = 49 µm, d(0.5) = 102 µm, d(0.9) = 224 µm

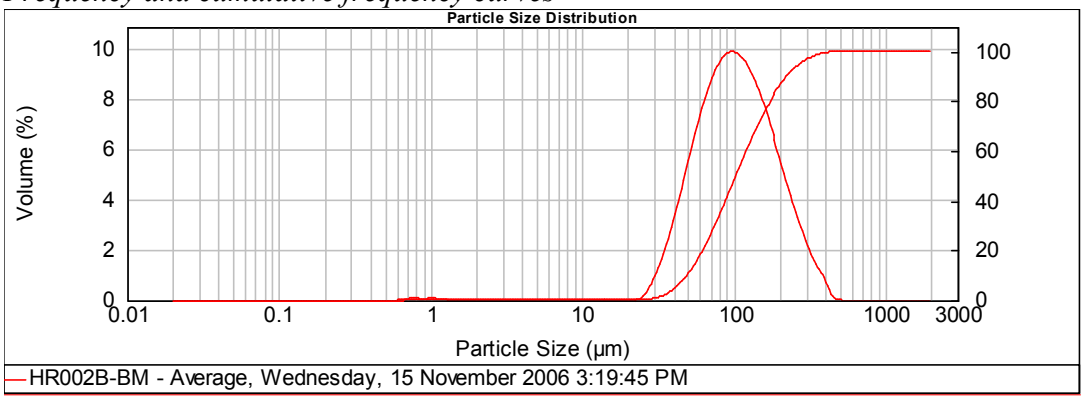
Frequency curve



Cumulative frequency curve

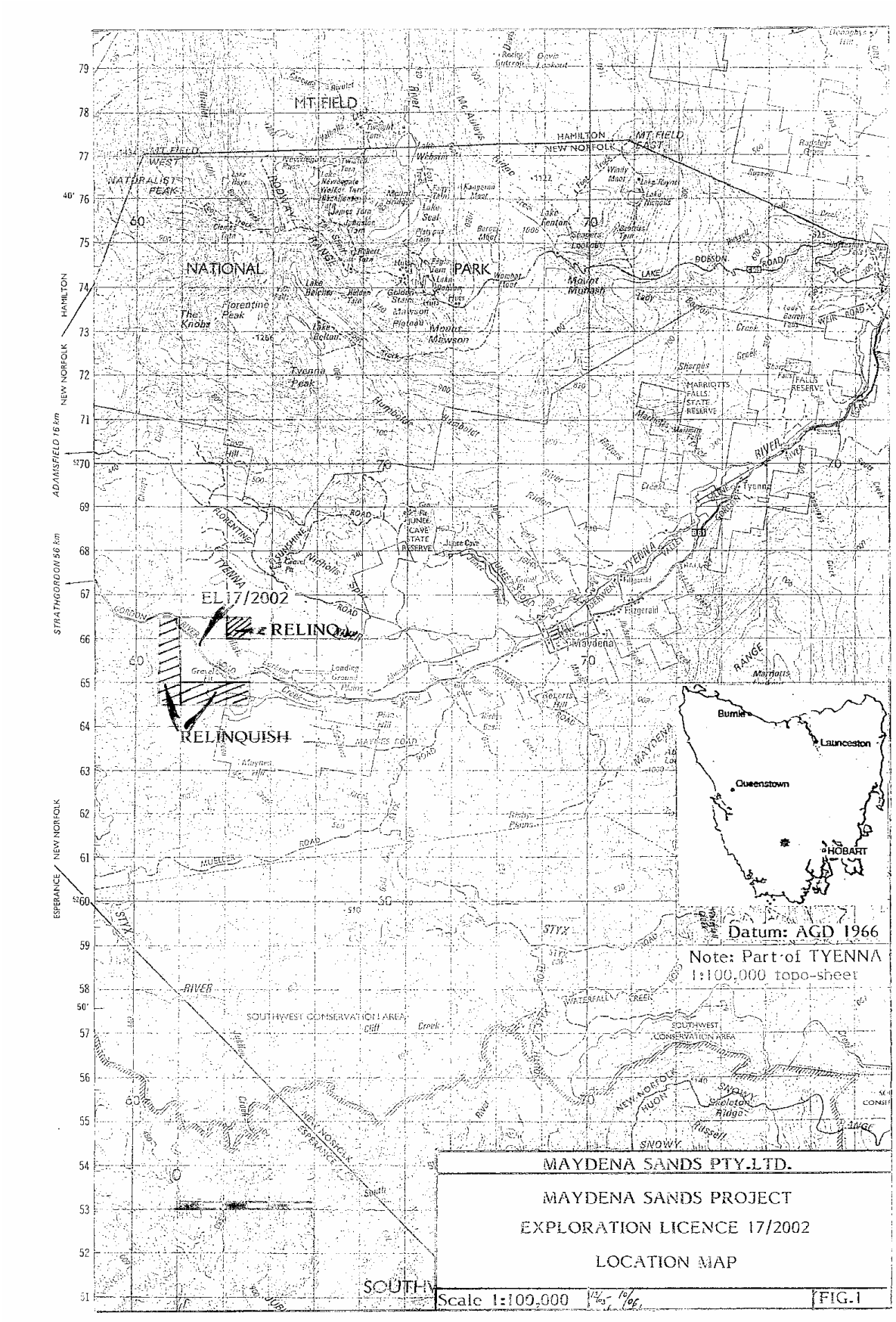


Frequency and cumulative frequency curves



Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.03	11.482	0.00	120.226	8.20	1258.925	0.00
0.011	0.00	0.120	0.00	1.259	0.00	13.183	0.00	138.038	7.41	1445.440	0.00
0.013	0.00	0.138	0.00	1.445	0.00	15.136	0.00	158.489	6.45	1659.587	0.00
0.015	0.00	0.158	0.00	1.660	0.00	17.378	0.00	181.970	5.37	1905.461	0.00
0.017	0.00	0.182	0.00	1.905	0.00	19.953	0.00	208.930	4.28	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.00	22.909	0.07	239.883	3.22	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.00	26.303	0.49	275.423	2.28	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.00	30.200	1.23	316.228	1.45	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.00	34.674	2.22	363.078	0.90	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.00	39.811	3.43	416.869	0.16	4365.158	0.00
0.040	0.00	0.417	0.00	4.365	0.00	45.709	4.76	478.630	-0.00	5011.872	0.00
0.046	0.00	0.479	0.00	5.012	0.00	52.481	6.07	549.541	0.00	5754.399	0.00
0.052	0.00	0.550	0.00	5.754	0.00	60.256	7.25	630.957	0.00	6606.934	0.00
0.060	0.00	0.631	0.04	6.607	0.00	69.183	8.16	724.436	0.00	7585.776	0.00
0.069	0.00	0.724	0.06	7.586	0.00	79.433	8.73	831.764	0.00	8709.636	0.00
0.079	0.00	0.832	0.06	8.710	0.00	91.201	8.91	954.993	0.00	10000.000	
0.091	0.00	0.955	0.06	10.000	0.00	104.713	8.72	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

ILLUSTRATIONS



MAYDENA SANDS PTY.LTD.

MAYDENA SANDS PROJECT

EXPLORATION LICENCE 17/2002

LOCATION MAP

Scale 1:100,000 FIG.1