

MAYDENA SANDS PTY LTD

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RETENTION LICENCE NO. 2/2003

MAYDENA, TASMANIA

ANNUAL REPORT

TO

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ABSTRACT

This year's short drilling programme contributed to a better understanding of several aspects of the sand deposit, thereby assisting the mine planning process.

Silica rock sampling so far did not achieve the high purity levels required for high quality silicon metal used in solar products. The results are no better than those for material suited for the production of "standard" silicon, raising little interest in the market place. No opportunities exist to upgrade this raw material to premium silicon smelter feed.

Investigation of new screening equipment and a new comminution process showed these to be unsuitable for use in the beneficiation of the Maydena raw material.

There is continuing market interest in the Maydena product, including a coarser size sand for the manufacture of solar cell glass. Although no large bulk samples of silica flour could, as yet, be supplied to potential customers for testing, two opportunities for producing such samples emerged and are being investigated.

Keywords:

Maydena; Pine Hill;
Silica flour;
Processing;
Marketing;

CONTENTS

ABSTRACT

1. INTRODUCTION
2. PREVIOUS WORK
3. ACTIVITIES FOR PERIOD
 - 3.1 Work done
 - 3.2 Statistical Summary
 - 3.3 Expenditure
4. RESULTS
 - 4.1 Photogrammetry
 - 4.2 Drilling
 - 4.3 Silica Rock Sampling
 - 4.4 Beneficiation
 - 4.5 Marketing
 - 4.6 Mine Planning
 - 4.7 Rehabilitation
 - 4.8 Community Relations
5. CONCLUSIONS AND RECOMMENDATIONS
6. PROPOSED FUTURE ACTIVITIES
7. REFERENCES
8. BIBLIOGRAPHY

APPENDICES

- Appendix 1 Drill Hole Co-ordinates and Elevations
Appendix 2 Drill Hole Logs - DH125-130
Appendix 3 Assay Results – Drill Hole Samples
Appendix 4 Assay Results – Rock Samples
Appendix 5 Western Quarry Area – Sand Analyses and Sizings
Appendix 6 Assay Results – Non-Mag Product

ILLUSTRATIONS

- | | | |
|----------|---------------------------------|-----------|
| Figure 1 | Location Map | 1:100,000 |
| Figure 2 | Resource Location Map | 1: 25,000 |
| Figure 3 | Drill Hole Location Plan | 1: 5,000 |
| Figure 4 | Rock Sample Location Plan - EQ | 1: 5,000 |
| Figure 5 | Rock Sample Location Plan - FBT | 1: 1,000 |
| Figure 6 | Rock Sample Location Plan - WQ | 1: 25,000 |

1. INTRODUCTION

At the end of April, 2005, Maydena Sands Pty. Ltd. replaced J.J. McDonald & Sons Mining Pty. Ltd. as owner/operator of this tenement without interruption to programme continuity.

This report outlines activities by Maydena Sands Pty. Ltd. in regard to the fourth year's activities relating to its Retention Licence 2/2003, granted for a four year period to 09.01.2008.

This tenement has its origins in EL 17/1998 previously held and operated by J.J. McDonald & Sons Mining Pty. Ltd. It is located just south of the sealed Gordon River road approximately 4 km west south west of Maydena and about 90 km by road from Hobart (Fig.1). There is good access to and within the prospect area. Power, water, housing and basic facilities are readily available from within a short radius of the prospect. The narrow gauge rail-line from New Norfolk to Maydena is being progressively upgraded for passenger traffic. A 700m long gravel airstrip is located 3 km north west of the silica sand deposit.

The primary target for investigation and assessment remains the deposit of silica sand and its silica flour matrix located largely to the west of the Eastern Quarry, about 1 km south east of Pine Hill (Fig.2).

The overall aim of the investigations is to determine if a commercially viable operation can be established, based on products derived from the silica sand resource in the tenement.

In view of the upsurge of interest in the use of solar power locally and overseas, renewed attention was also directed at the high quality silica rock potential of the tenement. The latter raw material is used in the production of high purity silicon metal which is an essential component of photovoltaic cells.

The main objectives of this year's activities towards this aim were:

- Completion of a small drilling programme.
- Continuation of beneficiation/processing investigations.

- Capex/Opex cost reviews and updates.
- Continuing marketing efforts for silica flour and co- or by-products.
- Continuation of site planning for quarry and processing plant.
- Processing equipment sourcing.

2. PREVIOUS WORK

Exploration by Pioneer Silicon Industries Pty. Ltd. in 1988/89 identified a lag deposit of hard silica rock at the Western Quarry containing a small resource of material deemed suitable for the manufacture of silicon. (Fig.2). From this, approximately 19,000 tonnes of crushed, screened silica rock was produced in 1991 and 1992 for shipment. 10,000 tonnes were consigned to Pioneer's silicon smelter at Electrona and about 9,500 tonnes went to Temco's Bell Bay ferrosilicon plant. Extraction, by Duggans Pty. Ltd. under M.L.1396 P/M, virtually ceased upon closure of the Electrona smelter in 1992, although a small parcel of 850 tonnes of silica rock is reported to have been mined in 1995. At the end of the earlier exploration work, an occurrence of white silica sand was located between Pine Hill and the Styx Road in an area now known as the Eastern Quarry Area. Pioneer investigated this deposit in the vicinity of the Eastern Quarry by 23 shallow RC drill holes. Preliminary estimates suggested a resource in the order of some 0.75 – 1.5 million cu. m. of mostly low iron silica sand containing about 10% of high grade lump silica. Pioneer ceased operations at Electrona before any of this material could be used for silicon production.

Assay results from a number of subsequent, excavator generated pit samples by the North West Bay Co. Pty. Ltd. supported the high quality of the resource and, together with sizing determinations on a bulk sample, indicated that the sand might be suitable for the manufacture of table ware glass.

During its tenure of EL 17/1998, which contained these deposits, J.J. McDonald & Sons Pty. Ltd., using the air core drill sampling method, completed 43 drill holes totalling 553 m which outlined a raw material resource of about 6 million tonnes of loose silica ranging in size from very coarse to very fine.

The drilling also demonstrated that the deposit is more variable, complex and higher in iron oxides and other impurities than previous data suggested.

Laboratory sizing determinations indicated that the deposit is a possible source of silica flour as well as glass sand, while geological mapping pointed to a small resource potential for hard rock silica as well.

Bench scale beneficiation tests and bulk sample processing tests, including acid wash tests on samples of the glass size fraction sand, showed that the - 250 micron fraction could be upgraded to a high quality product containing only about 50ppm Fe₂O₃ without major environmental impact, with lower levels of iron a possibility.

Sources of good quality limestone and dolomite were identified in relative proximity to the silica sand deposit for eventual acid neutralization uses.

The company's activities in the marketplace identified the natural silica flour as potentially the deposit's most important component economically. This material provided the major focus for ongoing geological, processing and marketing activities, though the coarser size fractions and hard-rock potential remain of interest for future attention under the appropriate market conditions.

Details of past activities and outcomes are provided in reports listed in the Bibliography. (See Section 8 below).

In late 2004, J.J. McDonald & Sons Mining Pty. Ltd. formed a new holding and operating company, Maydena Sands Pty. Ltd., to which all of the former company's interests in the Maydena area were transferred in April 2005.

Since then, all activities are being conducted under the new Company name.

3. ACTIVITIES FOR PERIOD

The spectrum of significant activities engaged in this year included the following:

3.1 Work Done

- Arrange new air photography over the tenement at 1:10,000 scale.
- Completion of 6 shallow air-core/RC drill holes totalling 91m at various sites of the deposit.
- Completion of a programme of limited silica rock float sampling associated with the silica sand deposit and also over an area to the west of it.
- Analysis of drill chip samples, rock float samples and 3 small 5kg bulk samples of silica rock composites.
- A reconnaissance rock float check sampling traverse over the terrain between the Eastern and Western Quarries.
- Ongoing and intermittent conceptual planning for quarry site and processing site layout throughout the year.
- Ongoing contact with Norske Skog re possible land purchase for processing plant site.
- Consultation with Forestry Tasmania and the Forestry Practices Board re land access issues and burning off schedules in the tenement.
- Market-related meetings with Itochu, Perth and Melbourne.
- Marketing-related meeting with:
 - OHC, Berlin – Silica flour
 - ELKEM, Oslo – Silica rock
 - Tasmanian Glassblowers – Launceston Australia
 - SIMCOA, Kemerton – Silica rock

- Introductory samples to:
 - Tomoe – Japan
 - Wuxi Ding Long – China
 - SIMCOA – W.A.

3.2 Statistical Summary

RC Drill holes completed	:	6
Drilling Co:	Tasmanian Drilling Services Pty. Ltd. New Norfolk.	
Rig Type:	Edson 3000, mounted on International Acco 4x4 Atlas Compressor 350 cfm x 150 ps.	
Total Drilled: (Average – 15.1m, range 6-20m)	:	91m
No. of drill samples analysed	:	91
No. of rock samples analysed	:	41
No. of sand samples analysed	:	1
Total No. of analyses	:	1369
No. of Boron analyses (8 samples)	:	8
No. of samples scanned by ICP-AES and HR-ICP-MS:		8
No. of sizing determinations	:	1
Mineralogy/Petrology		
- sand	:	4
- rock	:	1

3.3 Expenditure

To Dec 2006	:	\$198,982.00
Period Jan – Dec 2007	:	\$ 77,240.00
Estimated Cumulative Total for period of tenure:		\$276,222.00

4. RESULTS

4.1 Photogrammetry

Updates of all basic plans and orthophotographs by Qasco for the Maydena Sands Project was completed.

Towards the end of the year, an opportunity arose to have the Pine Hill area re-flown at a competitive cost. This work was commissioned for completion in February 2008. It will provide up-to-date ground information to assist with better site planning.

4.2 Drilling

Various drill holes in this year's short programme were intended to provide information on different project issues.

Hole 125 was a carry-over from last year's programme to test the sand quality near the western edge of the deposit.

Holes 126 and 127 tested the thickness and confirmed the quality of the silica sand along the northern edge of the proposed Stage 1 pit.

Hole 128 explored the possible western limit of the proposed Stage 1 pit.

Hole 129 was drilled to further sterilize a small area of flat ground south of the main haulage road.

Hole 130 explored the thickness of sand remaining below the floor of the Eastern Quarry.

The AGD 1966 co-ordinates of these most recent drill holes have been added to the list in Appendix 1. Drill logs feature in Appendix 2 and drill hole positions are shown in Fig.3.

In the prospective zone, Hole 125 returned disappointingly high values of iron (up to 0.169%), titanium (up to 0.150%) and chromium (up to 6ppm) as well as high alumina and calcium, in line with near-by holes 96, 99 and 100. These

holes now outline an area of undesirably high impurities near the western boundary of the deposit.

Much more encouraging results were obtained from holes 126 and 127, among which were 20m @ 140ppm Al₂O₃, 600ppm Fe₂O₃, 170ppm TiO₂ and 1ppm Cr₂O₃ in hole 126. Somewhat better results were evident in hole 127, with 390ppm Fe₂O₃, 140ppm TiO₂ and 1ppm Cr₂O₃ over 19m.

Hole 128 with its high impurity levels of iron, titanium and chromium imposes a western limit to the Stage 1 pit.

The poor results of hole 129 are in line with those of holes 71, 110, 112 and 113 and hold little promise for commercial use. These holes and results confirm that this small, relatively flat area can be sequestered for purposes such as storage of limited amounts of oversize material.

Hole 130 indicated at least 14m of acceptable quality material below the floor of the Eastern Quarry averaging 170ppm Al₂O₃, 150ppm Fe₂O₃ and 120ppm TiO₂, white Cr₂O₃ is at, or less than, 1ppm (spot highs of 3, 4 and 6ppm are noted).

4.3 Silica Rock Sampling

Further to the encouraging results obtained during last year, (Krummei 2006), silica rock float sampling was extended to three areas including:

- The entire silica sand deposit
- The fire break track along the NW edge of coupe 037B
- The area east of the Western Quarry.

4.3.1 Eastern Quarry Area

Surface rock sampling here covered the entire sand area westwards of the Eastern Quarry.

An additional 14 x 1kg composites of silica rock (EQ036R – EQ049R) were collected from various parts of the deposit (Fig 4).

Apart from the occasional spike, most of these samples showed encouragingly low values of alumina, iron, chromium and phosphorus. But the more frequent occurrence of elevated titanium values, as high as 950ppm TiO₂, are a continuing cause for concern. (See Appendix 4)

Upon receipt of these results, 3 small bulk composites of about 5kg each were collected from those segments which showed the most promising results. These three samples, designated EQ050R, EQ051R and EQ052R, were presented to SIMCOA, Kemerton, WA for analyses and comment. (See Appendix 4)

Feed back indicated:

P - relatively high in all those samples, compared with the required levels of 10-20ppm.

TiO₂ - definitely too high in EQ051R and EQ052R.

Fe₂O₃- very good

Al₂O₃ - very good

Thermal stability - excellent

Thermal strength - very good

Doubts expressed about the suitability of this material for trialling for high purity silicon production hinged mainly on the high levels of phosphorus and the costs of shipping this material to Bunbury or Fremantle in bulk or containers.

The data set for the individual silica rock samples and the small bulk samples were also presented to ELKEM at an introductory meeting in Oslo, Norway. This company subsequently requested information about boron content in the samples. Eight of these were selected for specialist analyses for low level boron by a laboratory in Sweden. (See Appendix 4)

The ELKEM assessment essentially mirrored that of SIMCOA. In addition, ELKEM commented that the boron levels, ranging from 1.3 – 7.6ppm B (average 3.4ppm) were too high for the production of high purity silicon.

However, both SIMCOA and ELKEM consider the material to be suitable for the production of “standard” silicon, although its use would be mitigated by the high shipping/transport costs to their respective smelters.

4.3.2 Firebreak Track

This area is located just to the west of the Eastern Quarry silica sand deposit and contains a firebreak track along the north west edge of the recently clear felled coupe TN037B.

Clear felling and bulldozer track work exposed extensive occurrences of silica rock float and boulders. These rocks comprised leached chert, chert breccia, silicified quartzite and some dolomite.

The relevant samples are designated WQR006 – WQR018. Their location is shown in Fig 5.

Samples WQR006 and WQR007 showing 14.95% and 12.10% CaO and 6.35% and 5.59% MgO respectively, low alumina and high P₂O₅ of 0.035% reflect a dolomitic sediment. The remainder of the sample sequence are too impure for use in the production of high quality silicon metal, as are samples WQR003, 004 and 005 collected from dumps around the edges of the Western Quarry.

This group of samples is of no further immediate interest.

4.3.3 Traverse Line WQ

A 900m reconnaissance traverse was undertaken through a previously gridded and sampled area at the base of Pine Hill, between the Western Quarry and the Western edge of the Eastern Quarry silica sand deposit (Fig 6). The purpose was to check out an area with indications of higher purity silica rock.

Sample designations along this traverse line are WQR020 – WQR027.

Assay results for the first few samples along this line are high in alumina, iron, titanium and chromium. They are similar to those along the Firebreak Track and reflect similar lithologies, and are of no further immediate interest.

However, samples WQR022R – WQR027R over a line distance of some 500m show improved, lower values of alumina (0.011%-0.64% Al₂O₃, iron (0.09% - spiking at 0.124% Fe₂O₃) and particularly titanium (0.002%-0.008% TiO₂). Chromium values are generally lower (7ppm spike) though phosphorus is somewhat high at 40 – 210ppm, spiking at 0.135% P₂O₅. (Appendix 5)

In this area, at a distance of some 306m from the traverse start, an occurrence of fine silica sand (WQS001) was noted assaying 0.045% Al₂O₃, 0.02% Fe₂O₃, 0.058% TiO₂, 0.011% P₂O₅ and 4ppm Cr₂O₃.

The results obtained for the silica sand and silica rock float samples in this area warrant further follow up.

4.4 Beneficiation

Small, 3kg bulk sample designated AIS35/75B of fine silica flour previously processed by INDEX, Heybridge was cleaned up by wet magnetic separation using a WHIMS unit at Eriez, Melbourne.

Magnetic field strengths applied were 10,000 and 20,000 gauss, with very encouraging results especially for iron.

This was reduced from a feed sample value of 70ppm Fe₂O₃ to 30ppm, while TiO₂ and Cr₂O₃ remained at 30ppm and <1ppm respectively. (details in Appendix 6).

Towards the end of this reporting period, and in response to a marketing opportunity with the Asahi Glass Company, two small bulk samples of the +106–600 micron fraction were generated for processing and quality determinations. The raw material used for this purpose was derived from previously collected bulk samples 91B and 101B. The two small samples were submitted to Burnielabs, Heybridge, for further processing, including desliming,

attrition washing and drying. Magnetic clean-up of the samples will be at Eriez, Melbourne.

The proposed application of this material, subject to quality and CIF price, is in the manufacture of solar cell glass.

An opportunity for processing larger bulk samples of 1 – 2 tonne by the CSIRO, Perth to produce silica flour for distribution for testing by potential customers is being followed up.

The possible use of Allgaier Screen stacks in the Maydena Sands upgrading process was investigated at the firm's headquarters in Uchingen, Germany. As these units could be used most effectively for dryscreening raw material to yield a much coarser product than that required by Maydena Sands, no further action on this matter is envisaged.

However, the company also produces energy efficient driers which could be of interest to Maydena Sands in the future.

After inspection of samples submitted for testing, Dorfner's electrodynamic fragmentation was judged to be inapplicable to the Maydena material for the purpose of removal of metallic impurities from the silica flour particles. This is because the material is too fine, and power requirements would be uneconomically high to achieve significant liberation of contaminant matter.

4.5 Marketing

Marketing activities continued throughout the year. These extended from silica flour through silica sand to silica rock; the latter particularly aimed at the solar cell/photovoltaic sector.

4.5.1 Osthandel Chemie GmbH (OHC) – Germany

Contacts with this marketing organisation continued throughout the year.

OHC was instrumental in arranging an information meeting in Oslo with senior ELKEM finance executives where the Maydena silica rock and flour was

introduced and the concept to invest in the construction of a high purity silicon smelter and production facility in Tasmania was raised.

The Maydena material was ultimately deemed to be unsuitable for the ELKEM high purity silicon product on account of higher than desirable levels of TiO₂, P₂O₅ and B.

Although assessed as suitable for the production of “standard” Silicon, it was considered that the Maydena raw material would be uncompetitive in view of high shipping costs to Norway.

As ELKEM is currently investing substantial amounts in the construction of a production facility for high purity silica, there was little interest in investing in another smelter abroad in the near to medium term. However, ELKEM requested to be kept informed of any positive developments.

4.5.2 MWN Mineralwerke – Germany

This company, a subsidiary of the Schlingmeier Group, expressed interest in receiving a 200kg sample of silica flour product for testing by some of its clients. Sample delivery has again been delayed due to lack of suitable, non-contaminant contract facilities to process the Eastern Quarry raw material.

4.5.3 Itochu – Japan and Australia

Ongoing contact throughout the year was maintained with this company through periodic information and update meetings. Company representatives visited the tenement in February and November 2007.

The company facilitated contact with SIMCOA, WA, generating interest in the Eastern Quarry hard rock silica material and resulting in it being tested by the latter company. For outcomes see Section 4.3.1.

Efforts to introduce the Maydena Sands silica flour product to the TFT-LCD and electronic/semiconductor markets and other users/manufacturers of high value glass in East and South East Asia continue.

4.5.4 Asahi Glass Company – Tokyo, Japan

Itochu representatives identified and discussed a possible market opportunity with the above company for the coarser, clean, +106 – 600 micron fraction of the Eastern Quarry sand. This was aimed at the production of solar cell glass. Despite its acknowledged better quality, this material was, unfortunately, deemed uncompetitive pricewise with lower quality material currently used and sourced from Taiwan and China.

4.5.5 Wuxi Ding Long Company – China

This company is a manufacturer of high quality glass and high quality silicon. Small test samples submitted to this company were rejected as being unsuitable.

4.5.6 Tomoe – Japan

Upon request, a small sample of fine silica flour was sent to this company for testing and possible marketing. Their test results showed inordinately high levels of impurities across all the elements and the sample was consequently rejected. Laboratory contamination or sample mixup is suspected.

4.5.7 INDEX – Tasmania

Contact is being maintained with this mineral processor on an occasional basis.

4.5.8 Tasmanian Glassblowers Australia – Tasmania

Contact is being maintained with this producer of art glass, with a view to potential silica sand and flour off take.

4.6 Mine Planning

Quarry site layout planning was further assisted by this year's drilling.

A line joining holes 100, 125, 95, 128, 89 and 124 now defines the approximate north western limits of extraction, beyond which lies mostly coarse and generally impure raw material of little or no economic interest. A part of this area could be used to store some of the organic material and soils to be used for eventual mine site rehabilitation.

Holes 126 and 127, thanks to satisfactory quality and thickness of material intersected, strengthen the case of the preferred site for the commencement of the sand quarrying operation.

Due to poor assay results and narrow sand thickness, hole 129, along with several others previously drilled, helped to sterilise from the resource base a narrow flat area some 250m x 70m south of the main haulage road. This could be used to stockpile some of the large, oversize material excavated.

Several potential water supply sources and water dam sites were identified and their likely suitability discussed with the staff member of DPIWE responsible for the Maydena area.

Following recent significant, industry-wide cost increases, a review of project capital and operating costs were undertaken at year end. Project parameters remained unaltered, utilizing a silica processing plant of nominal throughput of 30TPH feed to produce about 20,000tpa of marketable silica flour on a 1shift/day, 5 days/week basis. This also provides for eventual total production capacity of about 50,000tpa of saleable product on a round-the-clock, 5 days/week process plant utilisation basis.

Included in this reassessment is the concept (as yet untested for this type of material) of slurry delivery of mill feed 800m downhill from the sand quarry to the processing plant. Extraction is proposed to be undertaken on a contract basis, minimising capital expenditure on mining-associated equipment.

The revised estimates indicate:

Capital expenditure on plant	:	\$3.3 million approx.
Operating cost	:	\$153/tonne approx.

These indicative estimates represent an increase of about 17.9% and 13.3% for capex and opex respectively over a 2 year period from early 2006. The strong, and rising, Australian dollar over the last year also has the potential to impact negatively on the notional profitability and viability of the project.

Some doubt remains as to the ultimate location of the processing plant. This ongoing uncertainty arises from issues of accessing and using part of a 100m wildlife corridor immediately south of the Gordon River Road. This corridor covers part of the flat ground essential for the optimal process plant site, associated infrastructure, including water dams and waste repositories. Recent discussions at a meeting with representatives of MRT, Forestry Tasmania and the Department of State Development, suggest that at least a partial solution to the problem may be possible.

4.7 Rehabilitation

On completion of the small drilling programme in April, all new drill holes were plugged, capped and covered, drill sites cleaned up and all marker tape removed.

4.8 Community Relations

Sporadic and informal information and progress update discussions with members of the Maydena Development Association were held during the year. Several maps, including a geological map of the district, were donated for display at the Maydena Community Centre.

5. CONCLUSIONS AND RECOMMENDATIONS

- 5.1** Of this year's drilling programme, drill holes 125 and 128 helped to define the north western limits of high purity material, thus assisting with pit planning.
- 5.2** In the south central part of the deposit, hole 129 confirmed a flat area suitable for storage of coarse material.
- 5.3** Silica rock float sampling over the Eastern Quarry sand deposit yielded results which indicated that the material is suitable only for "standard" silicon. Transport and shipping costs to silicon smelters interstate and overseas make this material uneconomic. In this context, silica bedrock assessment by drilling is not warranted at this stage.

- 5.4** An area of silica rock and sand east of the Western Quarry warrants some further reconnaissance, albeit low-key and low priority.
- 5.5** Slow progress towards pilot plant assembly continues to be disappointing, further delaying dispatch of larger product samples to potential clients for testing. However opportunities opening up with CSIRO and Linatex should be pursued further.
- 5.6** Similarly disappointing is the slow progress with resolution of land access issues affecting the optimal processing plant site.
- 5.7** In view of rapidly escalating industry costs, project capex/opex estimates should be reviewed and updated periodically.
- 5.8** Marketing and promotional activities in Europe, East and SE Asia were this year again successful in generating several enquiries for silica flour and also coarser sand product. These activities should continue world-wide and include promotion of the potential of the silica rock resource.

6. PROPOSED FUTURE ACTIVITIES

- Undertake aerial photography over the RL to provide up-to-date ground information for quarry and plant site planning.
- Production of a contour base map, using photogrammetry, of the proposed process plant site in the northern part of the tenement to assist with detailed site layout planning, subject to resolution of land access issues and successful completion of a land purchase,
- Continue with efforts to identify alternative flat-land sites for the location of process plant, quarry infrastructure, quarry waste, dams, etc.
- Undertake further rock float sampling over an area between the Western Quarry and the western edge of the silica sand deposit.

- Investigate the potential for upgrading the +106-600 micron fraction of the silica sand deposit to a high purity product.
- Continuation of ongoing beneficiation investigations at laboratory and possibly pilot plant scale to provide quality material for testing by potential customers.
- Continuing review of process plant design and sand extraction concepts with capex and opex reviews and updates as appropriate.
- Continue with product promotion and identify sales opportunities as well as developing new market contacts and relationships.
- Ongoing contact with state and local regulatory authorities, as well as local civic associations, on project related matters and activities.

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APPENDIX 1

DRILL HOLE CO-ORDINATES AND ELEVATIONS

(Datum: AGD 1966)

Point	Easting	Northing	981714 Height	Description
84	466277.50	5263799.00		DH46
85	466295.50	5263810.50		DH47
86	466284.50	5263822.50		DH48
87	466307.00	5263795.00		DH49
88	466308.00	5263841.00		DH50
89	466314.00	5263814.50		DH51
90	466332.00	5263624.50		DH52
91	466332.50	5263668.00		DH53
92	466332.50	5263720.50		DH54
93	466333.00	5263778.50		DH55
94	466340.00	5263823.00		DH56
95	466333.00	5263873.00		DH57
96	466332.00	5263895.50		DH58
97	466429.50	5263871.00		DH59
98	466449.00	5263915.50		DH60
99	466432.50	5263896.00		DH61
100	466469.50	5263781.50		DH62
101	466493.00	5263792.50		DH63
102	466482.00	5263733.50		DH64
103	466488.50	5263768.00		DH65
104	466542.00	5263787.50		DH66
105	466510.50	5263826.00		DH67
106	466619.00	5263772.00		DH68
107	466474.18	5263692.74	374.40	DH69
108	466230.94	5263644.76	388.46	DH70
109	466174.88	5263709.64	387.60	DH71
110	466190.92	5263780.32	389.09	DH72
111	466280.66	5263770.91	406.15	DH73
112	466247.23	5263722.47	395.48	DH74
113	466282.38	5263662.90	396.36	DH75
114	466389.49	5263631.55	394.05	DH76
115	466384.93	5263671.50	401.79	DH77
116	466380.14	5263723.39	402.13	DH78
117	466392.01	5263810.77	401.08	DH79
118	466447.59	5263841.62	387.83	DH80
119	466277.36	5263911.33	379.74	DH81
120	466214.51	5263904.94	386.42	DH82
121	466196.37	5263852.20	389.91	DH83
122	466203.09	5263958.45	390.44	DH84
123	466093.35	5263914.61	399.58	DH85
124	465992.34	5263936.05	409.67	DH86
125	466091.82	5263991.52	413.54	DH87
126	465984.77	5263991.89	420.38	DH88
127	465890.86	5263939.76	419.14	DH89
128	466087.14	5263766.46	393.95	DH90
129	465982.64	5263756.85	398.26	DH91
130	465926.24	5263789.92	400.42	DH92
131	465888.80	5263827.27	401.26	DH93
132	465855.06	5263869.96	405.14	DH94
133	465806.14	5263905.56	411.36	DH95
134	465756.51	5263950.89	420.31	DH96
135	465798.22	5264011.33	426.22	DH97
136	465803.03	5263961.72	425.47	DH98
137	465747.49	5264003.50	418.64	DH99
138	465698.63	5263977.43	415.10	DH100
139	465893.36	5263882.07	412.42	DH101
140	465989.77	5263833.49	413.53	DH102
141	466091.76	5263861.44	412.48	DH103
142	466096.60	5263816.93	404.76	DH104
143	465868.09	5264017.95	421.03	DH105
144	465822.83	5263789.22	391.10	DH106
145	465783.68	5263845.75	394.69	DH107
146	465720.06	5263888.65	399.21	DH108
147	465716.95	5263889.67	399.28	DH108A
148	465885.86	5263736.39	387.63	DH109
149	465979.18	5263696.41	389.62	DH110
199	466046.01	5263747.71	393.44	DH111

			981714	
202	466043.92	5263703.63	386.95	DH112
203	466085.07	5263710.68	387.53	DH113
190	465891.90	5263774.39	394.59	DH114
166	465756.10	5263823.51	387.92	DH115
169	465724.94	5263846.16	389.43	DH116
176	465655.47	5263853.44	386.54	DH117
173	465654.01	5263891.98	391.56	DH118
178	465663.42	5263935.95	400.80	DH119
179	465665.83	5263933.32	400.72	DH119A
184	465785.28	5263788.35	389.13	DH120
180	465750.50	5263787.78	385.60	DH121
183	465780.27	5263755.34	387.10	DH122
197	465932.81	5263846.03	411.81	DH123
205	465983.91	5263902.48	420.77	DH124
162	465708.70	5263938.34	412.01	DH125
220	466040.18	5263818.67	406.83	DH126
222	466027.54	5263853.21	414.07	DH127
223	465863.41	5263935.56	417.36	DH128
219	466132.34	5263711.34	386.93	DH129
226	466473.00	5263777.00	369.00	DH130
82	466177.52	5263768.70	389.59	PC3 Iron Bar
83	465741.37	5263980.70	423.17	PC2 Iron Bar
150	465984.10	5263714.27	393.63	Star Bar
224	466175.50	5263573.58	387.89	Star Bar

APPENDIX 2

DRILL HOLE LOGS

DH 125 - 130

DRILL HOLE LOG

AREA: Eastern Quarry Area, Pine Hill, Maydena	MAP SHEET: 4626 Maydena
DRILLER: Tasmanian Drilling Services Pty. Ltd.	DRILL HOLE: 125
METHOD: Air Core/RC hammer	AMG CO-ORDS: 5263902mN 465708mE
DATE: 10.04.2007	ANGLE: Vertical
LOGGED BY: G.K.	FINAL DEPTH: 19 m

FROM	TO	DESCRIPTION	SAMPLE NUMBER
0	1	Brown sandy loam (dozed pile)	70545
1	2	Buff med.-grained sand; coarse fract. ca 5-10%	70546
2	3	Buff-off white med. gr. sand; c.f. ca. 5-10%	70547
3	4	Off-white fine-med.gr. sand; cf.ca. 5%	70548
4	5	" med.-coarse sand,gritty; cf.ca 20-25%	70549
5	6	Buff, med.-coarse sand, gritty; cf. ca.20-30%	70550
6	7	Off-white med.-coarse sand; gritty; cf.ca.20-30%	70551
7	8	" " " " " ; cf ca. 20-25%	70552
8	9	" " " " " cf.ca. 20%	70553
9	10	" fine-med.gr. sand; cf. ca. 10%	70554
10	11	" " " ; cf. ca. 10-15%	70555
11	12	White, med.gr. sand; cf. ca. 15-20%	70556
12	13	Off-white, med.-coarse sand; gritty; cf. ca. 25-30%	70557
13	14	Off-white, coarse sand; gritty; cf. ca. 30-40%	70558
14	15	Pale red-br. med-coarse sand; gritty; cf. ca. 35-40%	70559
15	16	Light -orange brown med.-coarse sand; gritty; cf. ca. 30%	70560
16	17	Orange-brown, med-coarse sand; gritty; cf. ca. 40%	70561
17	18	Orange-brown med.-coarse sand; gritty; cf. ca. 40%. ? Bed-rock?	70562
18	19	Pale brown, med-coarse sand; cf.ca. 30-35% ? Bedrock?	70563

Hole stopped in ?bedrock at 19 m.

DRILL HOLE LOG

AREA: Eastern Quarry Area, Pine Hill, Maydena

MAP SHEET: 4626 Maydena

DRILLER: Tasmanian Drilling Services Pty. Ltd.

DRILL HOLE: 126

METHOD: Air Core /RC hammer

AMG CO-ORDS: 5263818mN
466040mE

DATE: 10.04.2007

ANGLE: Vertical

LOGGED BY: G.K.

FINAL DEPTH: 20 m

FROM	TO	DESCRIPTION	SAMPLE NUMBER
0	1	Off-white fine sand; cf. ca. 2-3%;	70564
1	2	White " " ; cf. ca. 1%;	70565
2	3	" " " ; cf. ca. 1%;	70566
3	4	" " " ; cf. ca. 1%	70567
4	5	" " " ; cf. ca. 3%	70568
5	6	" " " ; cf.ca. 3%	70569
6	7	" " " ; cf. ca.3%	70570
7	8	" " " ; cf. ca. 3%	70571
8	9	" " " ; cf. ca. 3%	70572
9	10	" " " ; cf. ca. 3%	70573
10	11	" " " ; cf. ca. 3%	70574
11	12	Off-white fine sand ; cf. ca. 3%	70575
12	13	Very pale red-brown fine sand; cf.ca.3%	70576
13	14	Off-white fine sand; cf. ca. 3%	70577
14	15	" to pale buff fine sand; cf.ca 3%	70578
15	16	" " " " " ; cf. ca. 3%	70579
16	17	" " " " " : cf. ca. 3%	70580
17	18	" " " " " ; cf. ca. 3%	70581
18	19	Pale buff fine white sand; cf. ca. 3%	70582
19	20	Off-white fine white sand; cf. ca. 1%	70583

Struck rock at 18.5m

Hole stopped at 20m on ?bedrock?

DRILL HOLE LOG

AREA: Eastern Quarry Area, Pine Hill, Maydena	MAP SHEET: 4626 Maydena
DRILLER: Tasmanian Drilling Services Pty. Ltd.	DRILL HOLE: 127
METHOD: Air Core/ RC hammer	AMG CO-ORDS: 5263853mN 466028mE
DATE: 11.04.2007	ANGLE: Vertical
LOGGED BY: G.K.	FINAL DEPTH: 20 m

FROM	TO	DESCRIPTION	SAMPLE NUMBER
0	1	Off-white and light brown fine sand; cf. ca. 3% (dozer pile)	70584
1	2	Off-white fine sand; cf. ca. 5%	70585
2	3	" fine-med.sand; cf. ca. 10%	70586
3	4	White fine sand; cf. ca. 3-5%	70587
4	5	" " to med.gr. sand; cf. ca. 3%	70588
5	6	" " " " " " ; cf. ca. 2-3%	70589
6	7	" " sand; cf. ca. 2%	70590
7	8	" " " ; cf. ca 1%	70591
8	9	" " " : cf. ca 2-3%	70592
9	10	" " " : cf. ca. 2-3%	70593
10	11	" " " : cf. ca. 2-3%	70594
11	12	Off-white to pale buff fine sand; cf. ca. 2-3%	70595
12	13	White fine sand; cf. ca. 2-3%	70596
13	14	" " " ; cf. ca. 2-3%	70597
14	15	" " " ; cf. ca.1%	70598
15	16	" " " ; cf ca 1%	70599
16	17	White to pale buff fine sand; cf. ca 2%	70600
17	18	White fine sand; cf. ca. 1%	70601
18	19	" " " ; cf. ca. 2%	70602
19	20	Grey-white fine sand; cf. ca. 2%	70603

Rods stuck downhole.

Hole abandoned in white sand at 20m

DRILL HOLE LOG

AREA: Eastern Quarry Area, Pine Hill, Maydena
MAP SHEET: 4626 Maydena
DRILLER: Tasmanian Drilling Services Pty. Ltd.
DRILL HOLE: 128
METHOD: Air Core/RC hammer
AMG CO-ORDS: 5263935mN
465863mE
DATE: 12.04.2007
ANGLE: Vertical
LOGGED BY: G.K.
FINAL DEPTH: 12m

FROM	TO	DESCRIPTION	SAMPLE NUMBER
0	1	Brown sandy soil; wood frags (dozed heap)	70604
1	2	Pale grey, coarse, gravelly sand; cf. ca. 30%	70605
2	3	Off-white coarse, gravelly sand; cf. ca. 20%	70606
3	4	Off-white, pebbly sand; cf. ca. 10%	70607
4	5	" " " ; cf. ca. 15-20%	70608
5	6	" and pale grey sand; cf. ca. 10%	70609
6	7	" " " " to 6.5m; then orange coarse sand; cf. ca. 10%	70610
7	8	Orange coarse sand; cf. ca. 10%	70611
8	9	" " " : cf. ca. 5%	70612
9	10	Orange, then pale yellow coarse sand cf. ca.20%	70613
10	11	Off-white med. gr, pebbly sand; cf. ca. 20-30%	70614
11	12	Off-white and pale grey gravelly sand; cf.ca. 30%	70615

Hole caving; sample return pipe blocking; very slow drilling.
Hole suspended at 12 m.
Hole not bottomed.

DRILL HOLE LOG

AREA: Eastern Quarry Area, Pine Hill, Maydena
MAP SHEET: 4626 Maydena
DRILLER: Tasmanian Drilling Services Pty. Ltd.
DRILL HOLE: 129
METHOD: Air Core
AMG CO-ORDS: 5263711mN
466132mE
DATE: 12.04.2007
ANGLE: Vertical
LOGGED BY: G.K.
FINAL DEPTH: 6m

FROM	TO	DESCRIPTION	SAMPLE NUMBER
0	1	Grey, off-white med. sand. cf. ca. 20%	70616
1	2	Off-white, med.gr. pebbly sand; cf. ca. 10%	70617
2	3	Off-white med. gr. sand; cf. ca. 3-5%	70618
3	4	Off-white, then brown, organic stained, pebbly sand; cf. ca. 20%; damp;	70619
4	5	Dark chocolate brown sandy, organic soil; pebbly; damp; cf. ca. 10%	70620
5	6	Dark brown, coarse sandy organic soil; pebbly; some dark chocolate clay; damp; cf. ca. 5-10%	70621

Hole bottomed at 6m in basement soil

DRILL HOLE LOG

AREA: Eastern Quarry Area, Pine Hill, Maydena	MAP SHEET: 4626 Maydena
DRILLER: Tasmanian Drilling Services Pty. Ltd.	DRILL HOLE: 130
METHOD: Air Core	AMG CO-ORDS: 5263777mN 466473mE
DATE: 12.04.2007	ANGLE: Vertical
LOGGED BY: G.K.	FINAL DEPTH: 14 m

FROM	TO	DESCRIPTION	SAMPLE NUMBER
0	1	Light brown med. gr. sand; pebbly; cf.ca. 5-10%	70622
1	2	White fine pebbly sand; cf.ca.5%	70623
2	3	White, fine-med.gr. pebbly sand; cf.ca. 5-10%	70624
3	4	Off-white fine pebbly sand; cf. ca. 5%	70625
4	5	White fine-med. pebbly sand; cf. ca. 5%	70626
5	6	" " " " " " ; cf. ca. 10%	70627
6	7	White med.gr. pebbly sand; cf. ca. 20-30%	70628
7	8	" " " " " " ; cf. ca. 30%	70629
8	9	Off-white med.-coarse, pebbly sand;damp; cf. ca. 20-30%	70630
9	10	White med.-coarse, pebbly sand; damp; cf.ca. 10%	70631
10	11	" " " " " " : water; (perched water table?); cf. ca. 20%	70632
11	12	White, med.-coarse pebbly sand;damp;cf.ca. 20%	70633
12	13	Pale grey med.-coarse , pebbly sand; damp; cf.ca. 20%	70634
13	14	" " " " " " ; damp; water; cf. ca. 10-15%	70635

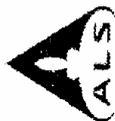
Hole stopped at 14m

APPENDIX 3

ASSAYS – DRILL HOLE SAMPLES

ALS Chemex
 EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd
 32 Shand Street
 Stirling
 Brisbane QLD 4063
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CERTIFICATE OF ANALYSIS BR07025438

Sample Description	Method Analyte Units LOR	ML-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64	
		ALCO3 %	CaO %	CaO %	Fe2O3 %	Fe2O3 %	MgO %	MgO %	MnO %	MnO %	SiO2 %	SiO2 %	V2O5 %	V2O5 %	NH2O %	NH2O %	K2O %	K2O %	K2O %
70546 3H 125	1-2	0.057	0.017	3	0.001	0.005	0.001	0.001	0.001	0.045	0.001	<0.001	<0.001	0.004	0.001	0.002	0.002	0.002	0.001
	2-3	0.119	0.057	3	0.012	0.040	0.001	0.001	0.001	0.043	0.001	<0.001	<0.001	0.007	0.001	0.007	0.007	0.007	0.001
	3-4	0.059	0.029	1	0.051	0.013	<0.001	<0.001	<0.001	0.037	<0.001	<0.001	<0.001	0.005	0.005	0.002	0.002	0.002	0.001
	4-5	0.125	0.035	1	0.054	0.017	<0.001	<0.001	<0.001	0.043	<0.001	<0.001	<0.001	0.005	0.007	0.005	0.005	0.001	0.001
	5-6	0.123	0.048	4	0.132	0.030	0.001	0.001	0.001	0.035	<0.001	<0.001	<0.001	0.005	0.011	0.005	0.005	0.001	0.001
70551	6-7	0.085	0.102	3	0.084	0.051	<0.001	<0.001	0.062	0.004	0.002	<0.001	<0.001	0.004	0.002	0.002	0.002	0.001	0.001
	7-8	0.151	0.056	4	0.136	0.028	0.001	0.001	0.097	0.001	0.004	<0.001	<0.001	0.005	0.004	0.004	0.004	0.001	0.001
	8-9	0.066	0.035	3	0.079	0.013	<0.001	<0.001	0.133	0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	9-10	0.066	0.035	3	0.106	0.012	<0.001	<0.001	0.082	0.001	0.002	<0.001	<0.001	0.003	0.002	0.002	0.002	0.001	0.001
	10-11	0.025	0.024	3	0.079	0.005	<0.001	<0.001	0.088	0.001	0.003	<0.001	<0.001	0.003	0.002	0.002	0.002	0.001	0.001
70556	11-12	0.042	0.052	6	0.103	0.020	0.001	0.001	0.150	0.001	0.003	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001
	12-13	0.042	0.048	6	0.169	0.017	0.001	0.001	0.148	0.001	0.003	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001
	13-14	0.042	0.042	4	0.159	0.017	0.001	0.001	0.066	<0.001	0.002	<0.001	<0.001	0.003	0.002	0.002	0.002	0.001	0.001
	14-15	0.556	0.042	10	0.656	0.028	0.001	0.001	0.117	0.003	0.005	0.003	0.003	0.005	0.003	0.003	0.003	0.001	0.001
	15-16	0.028	0.017	1	0.043	0.005	<0.001	<0.001	0.028	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
70565	1-2	0.019	0.017	1	0.036	0.002	<0.001	<0.001	0.015	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	2-3	0.015	0.014	<1	0.031	0.002	<0.001	<0.001	0.013	<0.001	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	3-4	0.013	0.013	1	0.034	0.003	<0.001	<0.001	0.010	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	4-5	0.015	0.008	1	0.056	0.002	<0.001	<0.001	0.025	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	5-6	0.017	0.010	1	0.049	0.002	<0.001	<0.001	0.012	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
70570	6-7	0.023	0.011	1	0.023	0.002	<0.001	<0.001	0.025	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	7-8	0.017	0.014	1	0.060	0.002	<0.001	<0.001	0.018	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	8-9	0.017	0.011	1	0.033	0.002	<0.001	<0.001	0.017	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	9-10	0.009	0.009	1	0.024	0.002	<0.001	<0.001	0.010	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	10-11	0.015	0.009	1	0.046	0.003	<0.001	<0.001	0.015	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
70575	11-12	0.019	0.015	1	0.262	0.005	<0.001	<0.001	0.013	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	12-13	0.015	0.013	1	0.126	0.003	<0.001	<0.001	0.013	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	13-14	0.011	0.019	1	0.046	0.003	<0.001	<0.001	0.018	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	14-15	0.009	0.020	1	0.046	0.003	<0.001	<0.001	0.015	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	15-16	0.015	0.021	1	0.073	0.003	<0.001	<0.001	0.033	<0.001	0.001	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
70580	16-17	0.015	0.042	1	0.064	0.003	<0.001	<0.001	0.013	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	17-18	0.015	0.030	1	0.069	0.005	<0.001	<0.001	0.010	<0.001	0.004	<0.001	<0.001	0.004	0.002	0.002	0.002	0.001	0.001
	18-19	0.013	0.020	3	0.060	0.002	<0.001	<0.001	0.040	<0.001	0.003	<0.001	<0.001	0.003	0.002	0.002	0.002	0.001	0.001
	19-20	0.013	0.050	3	0.073	0.003	<0.001	<0.001	0.025	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	20-21	0.028	0.023	3	0.034	0.010	<0.001	<0.001	0.020	<0.001	0.003	<0.001	<0.001	0.003	0.002	0.002	0.002	0.001	0.001
70585	1-2	0.023	0.020	3	0.021	0.007	<0.001	<0.001	0.013	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	2-3	0.015	0.015	1	0.050	0.003	<0.001	<0.001	0.010	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	3-4	0.025	0.020	3	0.039	0.005	<0.001	<0.001	0.013	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001
	4-5	0.023	0.023	3	0.044	0.005	<0.001	<0.001	0.007	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
	5-6	0.021	0.018	<1	0.024	0.003	<0.001	<0.001	0.010	<0.001	0.003	<0.001	<0.001	0.003	0.001	0.001	0.001	0.001	0.001

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CERTIFICATE OF ANALYSIS BR07025438

Sample Description	Method Analyte Units LOR	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		
		As2O3 %	CaO %	Cr2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	ZnO %	K2O %	Na2O %	SiO2 %	SO3 %	TOC %	Loss on Ignition %	Water %	Acid Insoluble Residue %
70590	SH (27)	0.021	0.024	1	0.029	0.005	0.029	0.001	0.005	<0.001	0.001	0.010	<0.001	0.001	0.001	0.001	0.001	0.001
70591	7-8	0.021	0.021	1	0.049	0.005	0.049	0.001	0.005	<0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.001
70592	8-9	0.025	0.021	3	0.087	0.005	0.087	0.001	0.005	<0.001	0.001	0.012	<0.001	0.001	0.001	0.001	0.001	0.001
70593	9-10	0.023	0.016	1	0.074	0.005	0.074	0.001	0.005	<0.001	0.001	0.017	<0.001	0.001	0.001	0.001	0.001	0.001
70594	10-11	0.013	0.017	1	0.029	0.007	0.029	0.001	0.007	<0.001	0.001	0.015	<0.001	0.001	0.001	0.001	0.001	0.001
70595	11-12	0.009	0.016	1	0.073	0.005	0.073	0.001	0.005	<0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.001
70596	12-13	0.011	0.022	1	0.027	0.005	0.027	0.001	0.005	<0.001	0.001	0.017	<0.001	0.001	0.001	0.001	0.001	0.001
70597	13-14	0.019	0.015	1	0.021	0.005	0.021	0.001	0.005	<0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.001
70598	14-15	0.013	0.015	1	0.026	0.003	0.026	0.001	0.003	<0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.001
70599	15-16	0.013	0.013	1	0.019	0.003	0.019	0.001	0.003	<0.001	0.001	0.012	<0.001	0.001	0.001	0.001	0.001	0.001
70600	16-17	0.009	0.011	1	0.040	0.003	0.040	0.001	0.003	<0.001	0.001	0.015	<0.001	0.001	0.001	0.001	0.001	0.001
70601	17-18	0.008	0.014	1	0.047	0.003	0.047	0.001	0.003	<0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.001
70602	18-19	0.015	0.009	1	0.041	0.003	0.041	0.001	0.003	<0.001	0.001	0.015	<0.001	0.001	0.001	0.001	0.001	0.001
70603	19-20	0.015	0.011	3	0.104	0.003	0.104	0.001	0.003	<0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.001
70605	SH (28)	0.028	0.018	6	0.087	0.007	0.087	0.001	0.007	<0.001	0.001	0.082	<0.001	0.001	0.001	0.001	0.001	0.001
70606	2-3	0.015	0.021	4	0.046	0.007	0.046	0.001	0.007	<0.001	0.001	0.055	<0.001	0.001	0.001	0.001	0.001	0.001
70607	3-4	0.008	0.025	1	0.031	0.005	0.031	0.001	0.005	<0.001	0.001	0.022	<0.001	0.001	0.001	0.001	0.001	0.001
70608	4-5	0.009	0.024	3	0.059	0.007	0.059	0.001	0.007	<0.001	0.001	0.038	<0.001	0.001	0.001	0.001	0.001	0.001
70609	5-6	0.004	0.023	3	0.031	0.003	0.031	0.001	0.003	<0.001	0.001	0.038	<0.001	0.001	0.001	0.001	0.001	0.001
70610	6-7	0.042	0.024	4	0.383	0.007	0.383	0.002	0.007	0.002	0.002	0.050	0.001	0.002	0.002	0.002	0.002	0.002
70614	10-11	0.009	0.025	4	0.098	0.005	0.098	0.001	0.005	<0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.001	0.001
70615	11-12	0.011	0.021	12	0.219	0.005	0.219	0.002	0.005	0.002	0.002	0.007	<0.001	0.001	0.001	0.001	0.001	0.001
70616	SH (29)	0.023	0.013	3	0.041	0.005	0.041	0.001	0.005	<0.001	0.001	0.052	<0.001	0.001	0.001	0.001	0.001	0.001
70617	1-2	0.015	0.011	3	0.034	0.003	0.034	0.001	0.003	<0.001	0.001	0.033	<0.001	0.001	0.001	0.001	0.001	0.001
70618	3-5	0.013	0.011	3	0.020	0.003	0.020	0.001	0.003	<0.001	0.001	0.025	<0.001	0.001	0.001	0.001	0.001	0.001
70622	SH (30)	0.060	0.020	6	0.024	0.007	0.024	0.001	0.007	<0.001	0.001	0.033	<0.001	0.001	0.001	0.001	0.001	0.001
70623	1-2	0.025	0.014	1	0.009	0.007	0.009	0.001	0.007	<0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.001	0.001
70624	2-3	0.019	0.020	1	0.010	0.008	0.010	0.001	0.008	<0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.001	0.001
70625	3-4	0.015	0.015	1	0.016	0.010	0.016	0.001	0.010	<0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.001	0.001
70626	4-5	0.009	0.017	1	0.011	0.007	0.011	0.001	0.007	<0.001	0.001	0.003	<0.001	0.001	0.001	0.001	0.001	0.001
70627	5-6	0.009	0.014	1	0.007	0.007	0.007	0.001	0.007	<0.001	0.001	0.002	<0.001	0.001	0.001	0.001	0.001	0.001
70628	6-7	0.011	0.019	<1	0.009	0.010	0.009	0.001	0.010	<0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.001	0.001
70629	7-8	0.011	0.016	1	0.016	0.008	0.016	0.001	0.008	<0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.001	0.001
70630	8-9	0.013	0.014	4	0.013	0.007	0.013	0.001	0.007	<0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.001	0.001
70631	9-10	0.011	0.019	3	0.010	0.008	0.010	0.001	0.008	<0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.001	0.001
70632	10-11	0.015	0.030	1	0.010	0.015	0.010	0.001	0.015	<0.001	0.001	0.010	<0.001	0.001	0.001	0.001	0.001	0.001
70633	11-12	0.011	0.031	1	0.016	0.017	0.016	0.001	0.017	<0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.001
70634	12-13	0.011	0.022	1	0.031	0.010	0.031	0.001	0.010	<0.001	0.001	0.023	<0.001	0.001	0.001	0.001	0.001	0.001
70635	13-14	0.015	0.033	1	0.031	0.017	0.031	0.001	0.017	<0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.001

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CERTIFICATE BR07025439

Project
P.O. No.: 224189
This report is for 12 Sediment samples submitted to our lab in Brisbane, QLD, Australia on 26-APR-2007.

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

To: **MAYDNA 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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CERTIFICATE OF ANALYSIS BR07025439

Sample Description	Method Analyte Units LOR	MF-ICP64		ME-ICP64		MF-ICP64		ME-ICP64		MF-ICP64		ME-ICP64		MF-ICP64		ME-ICP64	
		CaO %	ppm	Fe2O3 %	MgO %	MnO %	SiO2 %	Na2O %	K2O %	Al2O3 %	ppm	Fe2O3 %	MgO %	MnO %	SiO2 %	Na2O %	K2O %
70545	DH125	0.342	9	0.377	0.090	0.004	0.097	0.046	0.031	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
70560	15-16M	0.162	7	0.812	0.023	0.001	0.063	0.005	0.016	0.002	0.002	0.005	0.005	0.005	0.005	0.016	0.016
70561	16-17M	0.127	9	0.971	0.060	0.001	0.025	0.004	0.011	0.002	0.002	0.004	0.004	0.004	0.011	0.011	0.011
70562	17-18M	0.161	9	0.394	0.043	0.001	0.053	0.004	0.012	0.004	0.004	0.004	0.004	0.004	0.012	0.012	0.012
70563	18-19M	0.082	7	0.397	0.083	0.001	0.008	0.003	0.004	<0.001	<0.001	0.003	0.003	0.003	0.004	0.004	0.004
70604	DH128	1.045	12	0.638	0.013	0.006	0.020	0.003	0.001	0.002	0.002	0.003	0.003	0.003	0.001	0.001	0.001
70611	4-5M	0.147	7	0.166	0.022	0.003	0.043	0.001	0.008	<0.001	<0.001	0.001	0.001	0.001	0.008	0.008	0.008
70612	6-7M	0.195	9	0.854	0.008	0.006	0.025	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.002
70613	8-9M	0.070	7	0.453	0.005	0.001	0.015	0.001	0.001	<0.001	<0.001	0.003	0.003	0.003	0.001	0.001	0.001
70619	10-11M	0.083	6	0.650	0.008	<0.001	0.147	0.004	0.010	<0.001	<0.001	0.004	0.004	0.004	0.010	0.010	0.010
70620	12-13M	0.809	15	0.102	0.032	0.001	0.314	0.001	0.058	0.002	0.002	0.007	0.007	0.007	0.058	0.058	0.058
70621	14-15M	1.415	18	0.182	0.068	0.001	0.240	0.001	0.107	0.002	0.002	0.007	0.007	0.007	0.107	0.107	0.107

APPENDIX 4

ASSAYS – ROCK SAMPLES

BR07062692 - Finalized
 CLIENT : "MCDSON - Maydena Sands Pty Ltd"
 # of SAMPLES : 25
 DATE RECEIVED : 2007-06-19 DATE FINALIZED : 2007-07-11
 PROJECT : ""
 CERTIFICATE COMMENTS : "Method ME-ICP64 is designed specifically for high purity SiO2 samples. Results for samples high in limestone or dolomite will only be semi-quantitative."
 PO NUMBER : "224193"

SAMPLE DESCRIPTION	ME-ICP64 Al2O3 %	ME-ICP64 CaO %	ME-ICP64 Cr2O3 ppm	ME-ICP64 Fe2O3 %	ME-ICP64 MgO %	ME-ICP64 MnO %	ME-ICP64 TiO2 %	ME-ICP64 V2O5 %	ME-ICP64 Na2O %	ME-ICP64 K2O %	ME-ICP64 P2O5 %	LOI %
WQR003	0.119	0.056	13	0.323	0.023	<0.001	0.015	0.001	0.004	0.010	0.002	
WQR004	0.113	0.039	10	0.479	0.017	<0.001	0.017	0.001	0.004	0.007	0.004	0.26
WQR005	0.074	0.036	10	0.031	0.018	<0.001	0.008	0.002	0.001	0.005	0.003	
WQR006	<0.001	14.950	<1	0.071	6.350	0.005	<0.001	<0.001	0.012	0.001	0.035	47.00
WQR007	<0.001	12.100	1	0.064	5.590	0.003	<0.001	<0.001	0.009	0.001	0.035	
WQR008	0.548	0.179	3	0.040	0.111	<0.001	0.057	0.001	0.012	0.071	0.006	0.65
WQR009	0.344	0.045	1	0.020	0.025	<0.001	0.037	<0.001	0.012	0.035	0.003	
WQR010	0.435	0.022	3	0.046	0.015	<0.001	0.047	<0.001	0.018	0.058	0.011	0.46
WQR011	0.421	0.021	4	0.024	0.022	<0.001	0.042	<0.001	0.011	0.064	0.002	
WQR012	0.546	0.010	6	0.029	0.018	<0.001	0.055	<0.001	0.015	0.084	0.005	0.44
WQR013	0.389	0.011	1	0.034	0.015	<0.001	0.038	<0.001	0.016	0.067	0.003	
WQR014	0.402	0.010	1	0.017	0.008	<0.001	0.033	<0.001	0.015	0.042	0.003	0.41
WQR015	0.463	0.017	1	0.037	0.015	<0.001	0.042	<0.001	0.013	0.057	0.005	
WQR016	0.435	0.013	3	0.017	0.010	<0.001	0.040	<0.001	0.018	0.067	0.003	0.43
WQR017	0.418	0.010	3	0.021	0.012	<0.001	0.035	<0.001	0.018	0.058	0.004	
WQR018	0.746	0.013	10	0.099	0.035	<0.001	0.053	0.003	0.020	0.134	0.005	0.66
WQR020	0.197	0.021	6	0.051	0.010	<0.001	0.033	<0.001	0.009	0.019	0.005	
WQR021	0.297	0.025	6	0.535	0.018	<0.001	0.040	<0.001	0.008	0.024	0.008	0.63
WQR022	0.011	0.025	6	0.009	0.003	<0.001	0.002	<0.001	0.001	0.001	0.004	
WQR023	0.026	0.208	4	0.077	0.003	<0.001	0.002	<0.001	0.001	0.001	0.135	0.13
WQR024	0.062	0.039	1	0.009	0.007	<0.001	0.008	<0.001	0.003	0.004	0.021	
WQR025	0.064	0.048	1	0.006	0.013	<0.001	0.007	<0.001	0.003	0.011	0.010	0.28
WQR026	0.017	0.024	7	0.124	0.005	<0.001	0.002	0.001	0.001	0.001	0.009	
WQR027	0.013	0.031	1	0.014	0.008	<0.001	0.002	0.001	0.001	0.004	0.012	0.16

MAYDNA SANDS PTY LTD - EASTERN QUARRY SILICA ROCK ASSAYS

METHOD ELEMENTS	ME-ICP64 Al2O3 %	ME-ICP64 Fe2O3 %	ME-ICP64 TiO2 %	ME-ICP64 P2O5 %	ME-ICP64 CaO %	ME-ICP64 MgO %	ME-ICP64 Na2O %	ME-ICP64 K2O %	ME-ICP64 Cr2O3 ppm	ME-ICP64 MnO %	ME-ICP64 V2O5 %	IOA-GRA05 LOI %
SAMPLE No.												
EQ025R	0.057	0.016	0.015	0.005	0.021	0.006	0.002	0.004	2.000	<0.001	<0.001	0.19
EQ026R	0.033	0.009	0.031	0.001	0.018	0.006	0.002	0.003	2.000	<0.001	<0.001	0.17
EQ027R	0.043	0.008	0.012	0.006	0.037	0.014	0.003	0.004	1.000	<0.001	<0.001	0.16
EQ028R	0.019	0.006	0.025	0.013	0.037	0.009	0.002	0.002	<1.000	<0.001	<0.001	0.15
EQ029R	0.026	0.006	0.019	0.006	0.035	0.015	0.002	0.002	<1.000	<0.001	<0.001	0.13
EQ030R	0.024	0.006	0.015	0.004	0.030	0.013	0.002	0.006	<1.000	<0.001	<0.001	0.17
EQ031R	0.174	0.024	0.005	0.003	0.014	0.006	0.002	0.018	1.000	<0.001	<0.001	0.26
EQ032R	0.072	0.007	0.096	0.002	0.022	0.009	0.003	0.006	1.000	<0.001	<0.001	0.20
EQ033R	0.046	0.013	0.020	0.005	0.064	0.033	0.002	0.004	9.000	<0.001	<0.001	0.23
EQ034R	0.027	0.004	0.014	0.007	0.026	0.004	0.002	0.002	<1.000	<0.001	<0.001	0.13
EQ035R	0.009	0.006	0.031	0.001	0.030	0.003	0.002	0.001	1.000	<0.001	<0.001	0.11
EQ036R	0.006	0.006	0.083	0.004	0.031	0.003	<0.001	0.001	1.000	<0.001	<0.001	
EQ037R	0.008	0.007	0.095	0.007	0.050	0.005	<0.001	0.002	1.000	<0.001	<0.001	
EQ038R	0.011	0.013	0.043	0.002	0.017	0.005	<0.001	0.004	1.000	<0.001	<0.001	
EQ039R	0.023	0.004	0.013	0.010	0.031	0.007	<0.001	0.002	1.000	<0.001	<0.001	
EQ040R	0.004	0.009	0.017	0.005	0.043	0.005	<0.001	0.004	3.000	<0.001	<0.001	
EQ041R	0.009	0.011	0.045	<0.001	0.011	0.005	0.001	0.004	1.000	<0.001	<0.001	
EQ042R	0.030	0.007	0.007	0.006	0.024	0.005	<0.001	0.005	1.000	<0.001	<0.001	
EQ043R	0.023	0.004	0.010	0.005	0.027	0.005	<0.001	0.001	1.000	<0.001	<0.001	
EQ044R	0.008	0.006	0.035	<0.001	0.015	0.008	<0.001	0.002	1.000	<0.001	<0.001	
EQ045R	0.021	0.013	0.003	0.010	0.116	0.053	<0.001	0.001	1.000	<0.001	<0.001	
EQ046R	0.008	0.009	0.025	0.010	0.060	0.018	<0.001	0.002	1.000	<0.001	<0.001	
EQ047R	0.023	0.067	0.002	0.012	0.031	0.007	<0.001	0.001	1.000	<0.001	<0.001	
EQ048R	0.026	0.033	0.002	0.007	0.025	0.007	<0.001	0.005	3.000	<0.001	<0.001	
EQ049R	0.079	0.006	0.007	0.001	0.024	0.008	0.001	0.011	3.000	<0.001	<0.001	
Average	0.032	0.012	0.027	0.005	0.034	0.010	<0.002	0.004	<1.500	<0.001	<0.001	0.170
EQ050R	0.026	0.002	0.004	0.005	0.023	0.003						
EQ051R	0.037	0.003	0.018	0.007	0.033	0.010						
EQ052R	0.033	0.007	0.015	0.004	0.030	0.010						
Average	0.032	0.004	0.012	0.005	0.029	0.007						

NOTES: LOI = Loss on Ignition
EQ025R - EQ049R : 1kg (approx) silica rock composites
EQ050R - EQ052R : 5kg silica rock composites: analytical method unknown - probably ICP.

GK. 9th Oct.2007

Report

L0720478

Sida 1 (3)

20MLHVH9FC2



Project

Maydena Sands Pty.Ltd.
Gerard K. Krummei
Suite 28
487 St. Kilda Road
Melbourne. Vic. 3004
Australia

Registered 2007-12-14
Issued 2007-12-20

Analysis: A01

Your ID	EQ 038R			
LabID	U10367973			
Analysis	Results	Unit	Method	Issuer
B*	3.9	mg/kg	1	S

Your ID	EQ 039R			
LabID	U10367974			
Analysis	Results	Unit	Method	Issuer
B*	4.6	mg/kg	1	S

Your ID	EQ 040R			
LabID	U10367975			
Analysis	Results	Unit	Method	Issuer
B*	7.6	mg/kg	1	S

Your ID	EQ 041R			
LabID	U10367976			
Analysis	Results	Unit	Method	Issuer
B*	2.7	mg/kg	1	S

Your ID	EQ 042R			
LabID	U10367977			
Analysis	Results	Unit	Method	Issuer
B*	3.2	mg/kg	1	S

Your ID	EQ 043R			
LabID	U10367978			
Analysis	Results	Unit	Method	Issuer
B*	1.8	mg/kg	1	S

ALS Scandinavia AB
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977 75 Luleå
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Ilia Rodiushkine
Kemist

Report

L0720478

Sida 2 (3)

20MLHVH9FC2



Your ID	EQ 044R			
LabID	U10367979			
Analysis	Results	Unit	Method	Issuer
B*	1.9	mg/kg	1	S

Your ID	EQ 049R			
LabID	U10367980			
Analysis	Results	Unit	Method	Issuer
B*	1.3	mg/kg	1	S

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Aurorum 10 E-post: info.lu@alsglobal.com
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Sweden Fax: + 46 920 28 99 40


Iliia Rodiushkine
Kemist

Report

L0720478

Sida 3 (3)

20MLHVH9FC2



	Method specification
1	Contact the laboratory for method description.

	Issuer ¹
S	ICP-SFMS

* indicates unaccredited analysis.

The results apply only to the material that has been identified, received, and tested. Regarding the laboratory's liability in relation to assignment, please refer to our latest product catalogue or website www.alsglobal.se

¹ The technical unit within ALS Scandinavia where the analysis was carried out, alternatively the subcontractor for the analysis.

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Ilia Rodioushkine
Kemist

ANALYSINTYG

20/12/2007

Översiktsanalys för grundämnen med ICP

Utfärdat av: ALS Scandinavia AB, Aurorum 10, 977 75 LULEÅ
 Uppdragsgivare: PoiyPeptide Laboratories
 Mottagningsdatum: 19/12/2007
 Provningsdatum: 20/12/2007
 Beställningsnummer: L0720478
 Er referens: Gerhard K. Krummei
 Vår referens: Ilia Rodushkin
 Provmärkning: EQ O Silica rock samples
 Labnummer: U10367973-80

Aluminium, Al	25-450	µg/g	Mangan, Mn	0.4-3	µg/g
Antimon, Sb	0.01-0.07	µg/g	Molybden, Mo	0.02-0.1	µg/g
Arsenik, As	0.03-0.3	µg/g	Natrium, Na	7-20	µg/g
Barium, Ba	1-4	µg/g	Neodym, Nd	0.04-0.3	µg/g
Beryllium, Be	0.001-0.01	µg/g	Niob, Nb	0.06-0.5	µg/g
Bly, Pb	0.04-0.2	µg/g	Nickel, Ni	0.06-0.15	µg/g
Bor, B	1-8	µg/g	Osmium, Os	<0.0005	µg/g
Brom, Br	0.1-0.4	µg/g	Palladium, Pd	<0.1	µg/g
Cerium, Ce	0.05-0.4	µg/g	Platina, Pt	<0.02	µg/g
Cesium, Cs	0.001-0.02	µg/g	Praseodym, Pr	0.01-0.05	µg/g
Dysprosium, Dy	0.008-0.03	µg/g	Rhenium, Re	<0.0005	µg/g
Erbium, Er	0.004-0.03	µg/g	Rodium, Rh	<0.001	µg/g
Europium, Eu	0.001-0.007	µg/g	Rubidium, Rb	0.15-0.5	µg/g
Fosfor, P	3-40	µg/g	Rutenium, Ru	<0.0005	µg/g
Gadolinium, Gd	0.008-0.04	µg/g	Samarium, Sm	0.008-0.05	µg/g
Gallium, Ga	0.02-0.3	µg/g	Selen, Se	<0.5	µg/g
Germanium, Ge	0.07-0.2	µg/g	Silver, Ag	0.02-0.1	µg/g
Guld, Au	0.001-0.004	µg/g	Skandium, Sc	0.02-0.1	µg/g
Hafnium, Hf	0.4-2	µg/g	Strontium, Sr	0.8-2	µg/g
Holmium, Ho	0.002-0.006	µg/g	Svavel, S	<50	µg/g
Iridium, Ir	<0.0005	µg/g	Tantal, Ta	<0.05	µg/g
Jod, I	0.01-0.02	µg/g	Tellur, Te	0.02-0.05	µg/g
Järn, Fe	20-90	µg/g	Tallium, Tl	0.001-0.003	µg/g
Kadmium, Cd	0.001-0.006	µg/g	Tenn, Sn	0.02-0.05	µg/g
Kalcium, Ca	70-300	µg/g	Terbium, Tb	0.002-0.006	µg/g
Kalium, K	10-90	µg/g	Titan, Ti	40-350	µg/g
Kisel, Si	matrix	µg/g	Thorium, Th	0.01-0.1	µg/g
Kobolt, Co	0.004-0.02	µg/g	Tulium, Tm	0.001-0.005	µg/g
Koppar, Cu	0.08-0.3	µg/g	Uran, U	0.07-0.2	µg/g
Krom, Cr	0.1-2	µg/g	Vanadin, V	0.2-1	µg/g
Kvicksilver, Hg	0.001-0.005	µg/g	Vismut, Bi	0.001-0.003	µg/g
Lantan, La	0.03-0.1	µg/g	Volfram, W	0.02-0.1	µg/g
Litium, Li	0.1-6	µg/g	Ytterbium, Yb	0.005-0.05	µg/g
Lutetium, Lu	0.001-0.006	µg/g	Yttrium, Y	0.05-0.2	µg/g
Magnesium, Mg	20-120	µg/g	Zink, Zn	0.1-0.6	µg/g
			Zirkonium, Zr	20-100	µg/g

Kommentar

Analysen är utförd med ICP-AES och HR-ICP-MS.

Alla halter ligger inom ± 50 % från det redovisade värdet med reservation för Br och I.

Signatur:

APPENDIX 5

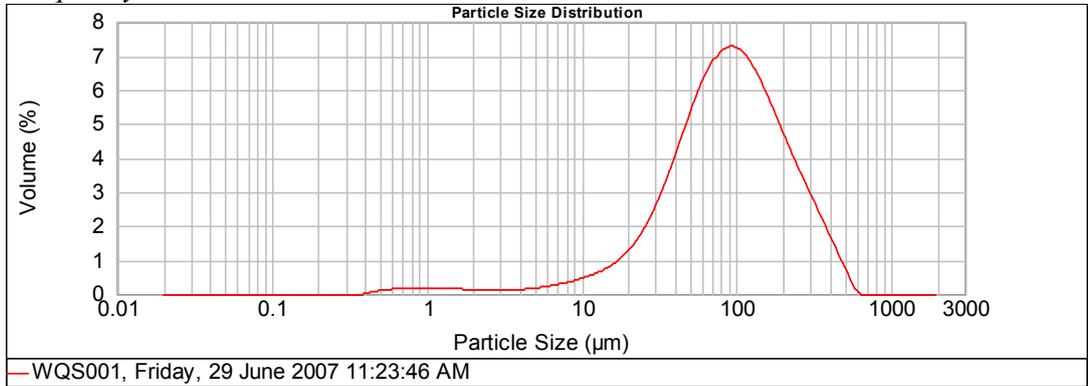
WESTERN QUARRY AREA
SAND ANALYSES AND SIZING DATA

BR07056730 - Finalized
 CLIENT : "MCDSON - Maydena Sands Pty Ltd"
 # of SAMPLES : 3
 DATE RECEIVED : 2007-05-30 DATE FINALIZED : 2007-06-08
 PROJECT : ""
 CERTIFICATE COMMENTS : ""
 PO NUMBER : "224192"
 ME-ICP64
 SAMPLE A12O3 CaO Cr2O3 Fe2O3 MgO MnO TiO2 V2O5 Na2O K2O P2O5
 DESCRIPTI % % ppm % % % % % % % % %
 WQS001 0.045 0.025 4 0.02 0.008 <0.001 0.058 <0.001 0.004 0.004 0.011

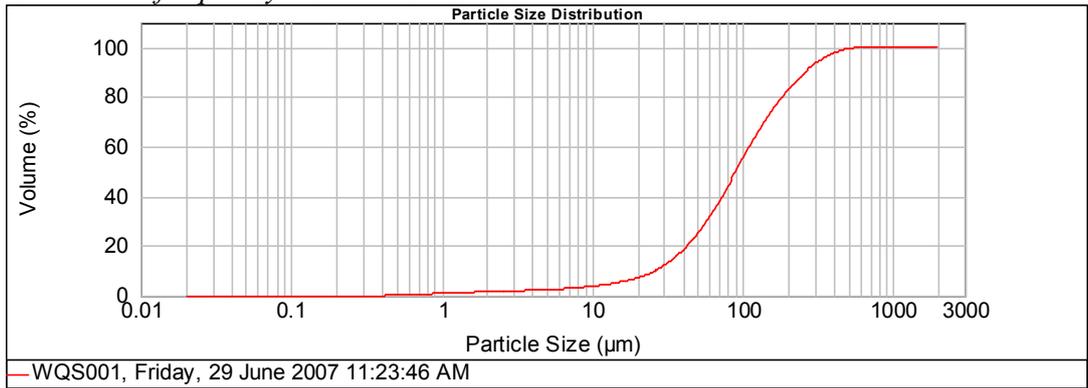
"WQS001" "Run 3"

Friday, 29 June 2007
 Ultrasonication: 2 minutes

Frequency distribution



Cumulative frequency distribution



Result table

Size (µm)	Volume In %										
0.010	0.00	0.105	0.00	1.096	0.16	11.482	0.55	120.226	6.01	1258.925	0.00
0.011	0.00	0.120	0.00	1.259	0.15	13.183	0.66	138.038	5.52	1445.440	0.00
0.013	0.00	0.138	0.00	1.445	0.14	15.136	0.81	158.489	4.96	1659.587	0.00
0.015	0.00	0.158	0.00	1.660	0.13	17.378	1.01	181.970	4.38	1905.461	0.00
0.017	0.00	0.182	0.00	1.905	0.12	19.953	1.28	208.930	3.80	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.12	22.909	1.63	239.883	3.25	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.11	26.303	2.08	275.423	2.73	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.11	30.200	2.62	316.228	2.20	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.11	34.674	3.25	363.078	1.67	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.13	39.811	3.94	416.869	1.14	4365.158	0.00
0.040	0.00	0.417	0.06	4.365	0.15	45.709	4.65	478.630	0.63	5011.872	0.00
0.046	0.00	0.479	0.10	5.012	0.18	52.481	5.31	549.541	0.12	5754.399	0.00
0.052	0.00	0.550	0.13	5.754	0.21	60.256	5.89	630.957	0.00	6606.934	0.00
0.060	0.00	0.631	0.15	6.607	0.26	69.183	6.31	724.436	0.00	7585.776	0.00
0.069	0.00	0.724	0.16	7.586	0.32	79.433	6.54	831.764	0.00	8709.636	0.00
0.079	0.00	0.832	0.17	8.710	0.38	91.201	6.56	954.993	0.00	10000.000	0.00
0.091	0.00	0.955	0.16	10.000	0.46	104.713	6.37	1096.478	0.00		
0.105	0.00	1.096		11.482		120.226		1258.925	0.00		

APPENDIX 6

ASSAY RESULTS – NON-MAG PRODUCTS

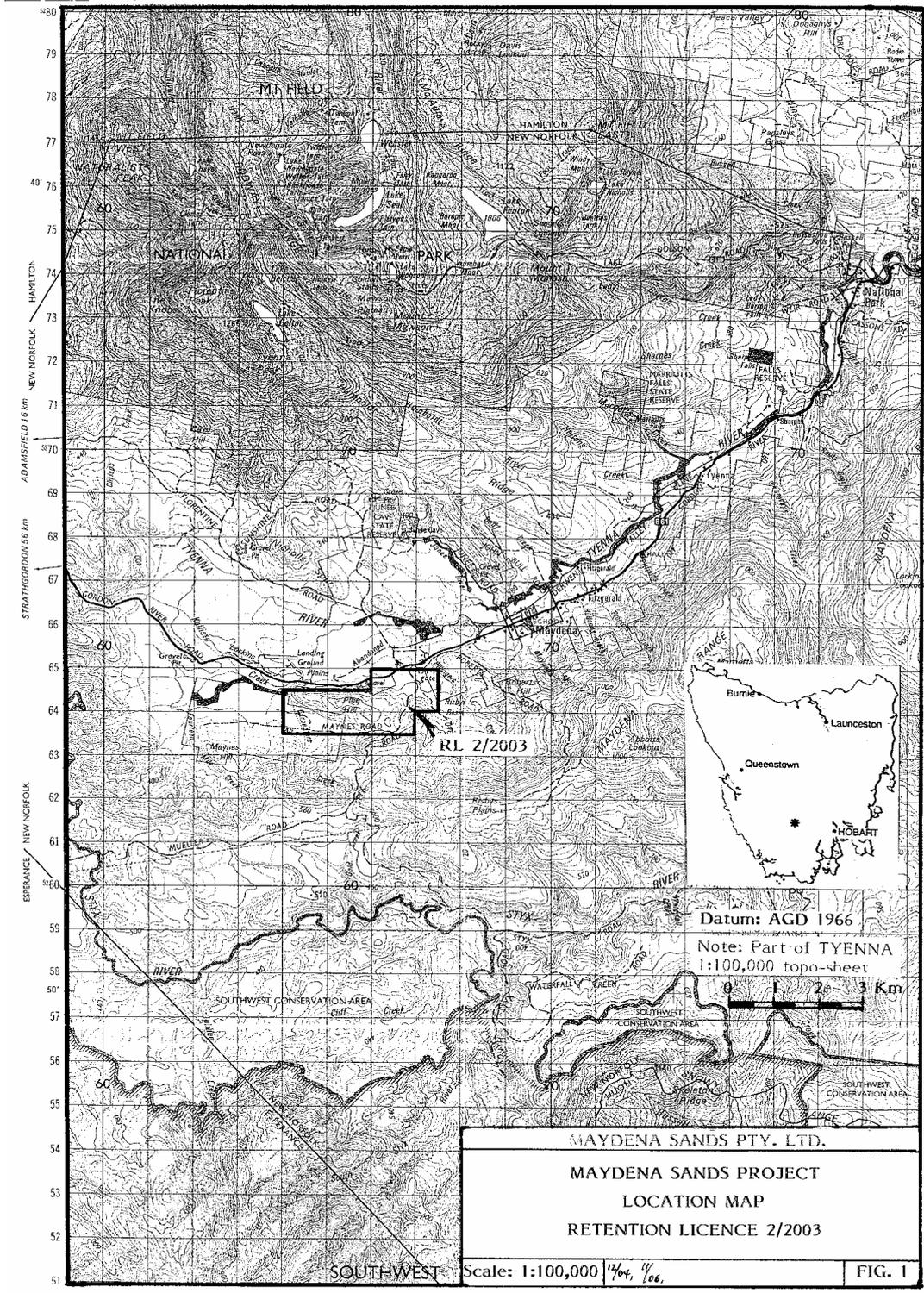
Page: 2 - A
 Total # Pages: 2 (A)
 Finalized Date: 15-MAY-2007
 Account: MCDSON

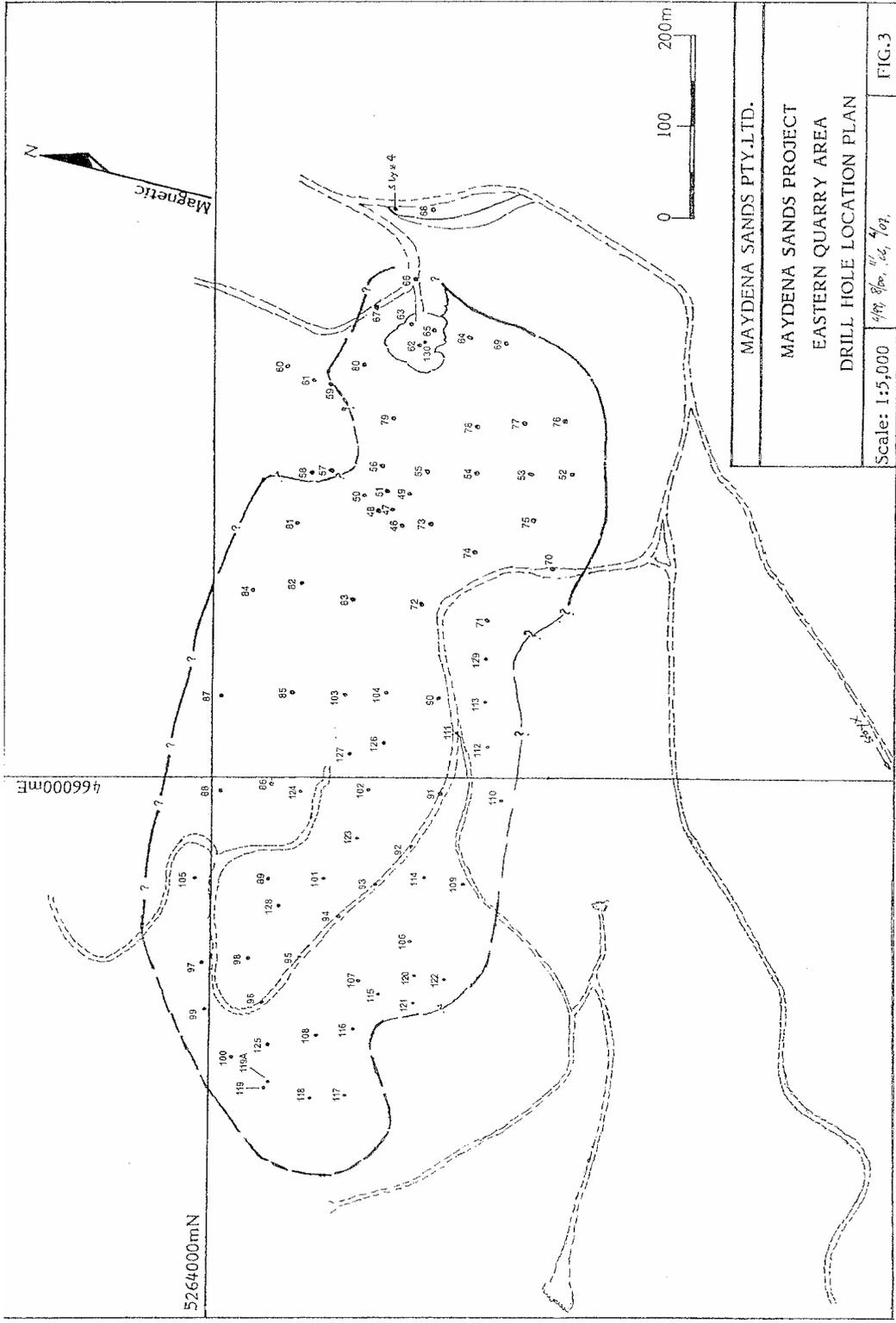
ALS CHEMEX
 EXCELLENCE IN ANALYTICAL CHEMISTRY
 Australian Laboratory Services Pty Ltd
 24 Sharn Street
 Stafford
 Brisbane QLD 4053
 Phone: 61 (7) 3243 7222 Fax: 61 (7) 3243 7218 www.alschemical.com

CERTIFICATE OF ANALYSIS BR07040502

Sample Description	ME-ICP94		ME-ICP94		ME-ICP94		ME-ICP94		ME-ICP94		ME-ICP94		ME-ICP94		ME-ICP94		ME-ICP94	
	As/Cd	%	Cr/C	%	Co/Cd	ppm	Fe/Cr	%	ICD	%	Mn/Cd	%	Ni/Cd	%	Pb/Cd	%	Se/Cr	%
ALS 35-75 BX	0.013	0.046	<1	0.001	0.007	0.018	0.007	0.001	<0.001	0.018	0.018	0.001	0.001	0.003	0.003	0.017	0.017	0.017
ALS 35-75 BX NH10	0.015	0.048	1	<0.001	0.004	0.016	0.004	<0.001	<0.001	0.016	<0.001	0.001	0.001	0.003	0.003	0.017	<0.001	<0.001
ALS 35-75 BX NH20	0.013	0.045	<1	<0.001	0.003	0.017	0.003	<0.001	<0.001	0.017	<0.001	0.001	0.001	0.003	0.003	0.017	<0.001	<0.001

ILLUSTRATIONS



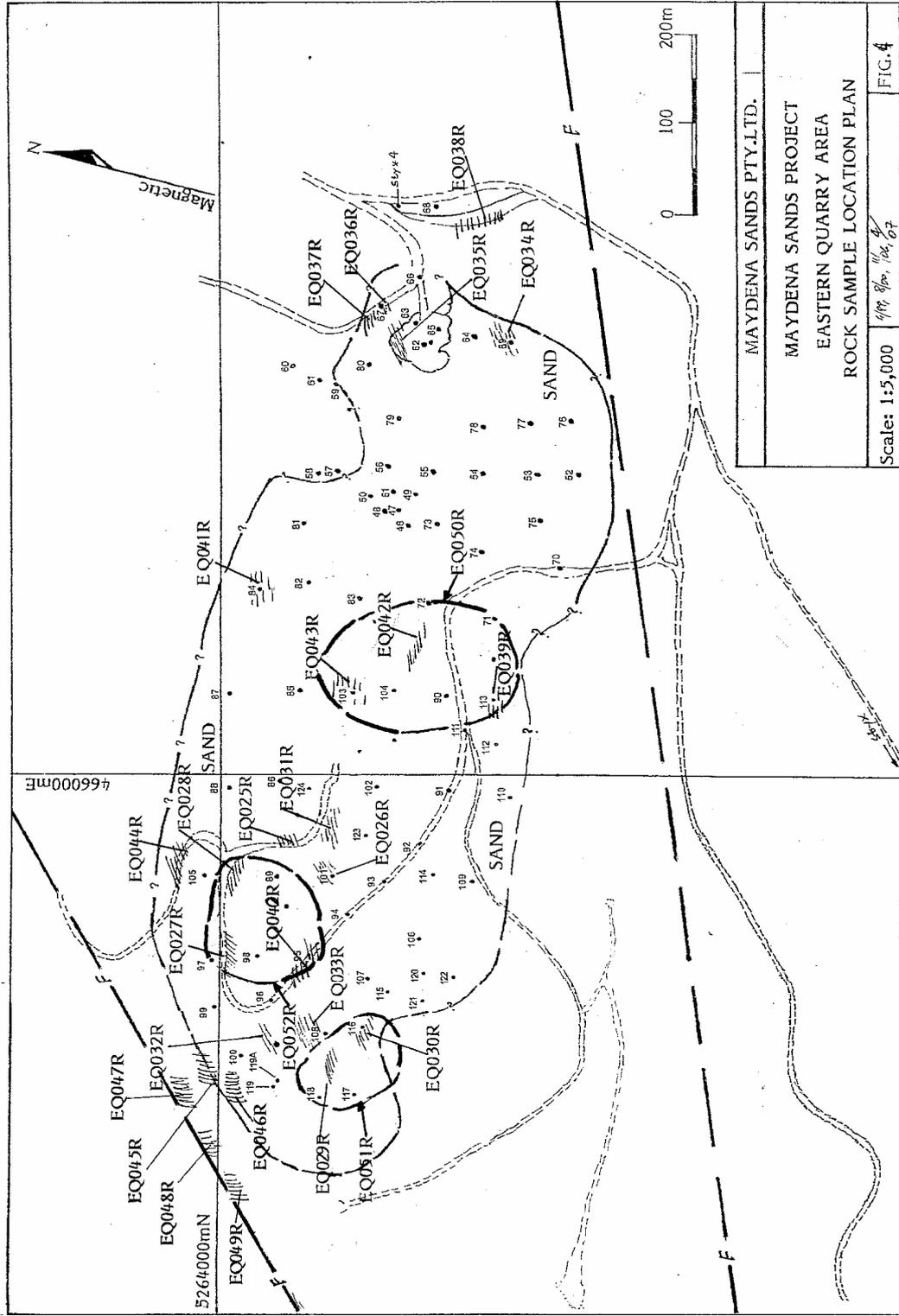


MAYDNA SANDS PTY.LTD.
MAYDNA SANDS PROJECT
EASTERN QUARRY AREA
DRILL HOLE LOCATION PLAN

Scale: 1:5,000

4/19/08, 11/14/09, 4/09

FIG. 3



MAYDNA SANDS PTY.LTD.
MAYDNA SANDS PROJECT
EASTERN QUARRY AREA
ROCK SAMPLE LOCATION PLAN

Scale: 1:5,000
4/19/87
1/16/87
FIG. 4

