

MAYDENA SANDS PTY LTD

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RETENTION LICENCE NO. 2/2003

MAYDENA, TASMANIA

ANNUAL REPORT

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GERHARD K. KRUMMEI

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

ABSTRACT

In the wake of the GFC, demand for display panels continued to grow at a moderate pace through 2010 which, by implication, created increased demand for high purity silica flour. This trend was reflected in the increased number of enquiries received and the number of test samples provided to potential customers. Several test samples of processed silica sand were also provided to potential customers to determine the suitability of the material for optical glass.

The solar photovoltaic industry, user of various grades of polysilicon, exhibited growth in 2010 which is likely to continue through 2011.

Unfortunately, Maydena Sands will not be able to participate in this trend in any significant way, as this year's drilling gave no indications of substantial resources of high purity silica rock at depth in the Eastern Quarry area as possible feed-stock for polysilicon production.

Offsetting this disappointment were positive preliminary results of bench-scale tests using electrostatic methods to separate out rutile and carbon particles from samples of silica sand, thereby improving the quality of the end product.

After some further, very limited investigations, Macquarie Harbour Mines relinquished its option over the Western Quarry silica rock deposit.

Keywords:

Maydena; Silica flour;
Silica sand; Polysilicon;
Optical Glass;

C O N T E N T S

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1. INTRODUCTION

This report outlines activities by Maydena Sands Pty. Ltd. during its seventh year of tenure of Retention Licence 2/2003, granted for a four year period to 9.01.2008 and then renewed annually to 09.01.2011.

This tenement has its origins in EL 17/1998 previously held and operated by J.J. McDonald & Sons Mining Pty. Ltd. The tenement is located just south of the sealed Gordon River road approximately 4 km west south west of Maydena (pop. 250 approx.) 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 last few years saw the progressive upgrade of the narrow gauge New Norfolk-Maydena rail line to passenger standard only as far as the entrance to the Mt Field National Park from New Norfolk. Plans for a further upgrade to freight standard of the entire stretch have recently been deferred indefinitely and may not eventuate. An alternative rail loading facility is being built as part of a major freight hub at Brighton, approx. 65km by road east of Maydena.

A 700m long gravel airstrip is located 3 km north west of the silica sand deposit.

The primary target for investigation, assessment and eventual exploitation 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 and silica rock resource in the tenement.

In view of the upsurge of interest in the use of solar power locally and overseas, further 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 solar cells. Also of potential interest is the coarser, higher purity sand fraction for use in the manufacture of optical glass and solar cell cover glass with high light transmissivity characteristics.

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, of which 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 latter 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 and interpretation 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 levels of iron as low as 10ppm 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 sand fractions and the hard-rock silica potential remain of interest for future attention under the appropriate market conditions.

In early 2004, EL tenure over the area was converted to a Retention Licence

In late 2004, J.J. McDonald & Sons Mining Pty. Ltd. formed a new holding and operating company, Maydena Sands Pty. Ltd., to which the Retention Licence and 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.

Details of past activities and outcomes are provided in reports listed in the Sections 7 and 8 below.

3. ACTIVITIES FOR PERIOD

These included:

3.1 Work Done

- RC drilling – 4 holes
- RC drill hole collars surveyed
- Geology: logging, sampling RC drill cuttings, data plotting and assessment
- Mineralogical study – in progress
- Dating, using pollens in palaeosoils – in progress

- Beneficiation:

Investigation of ERIEZ HIMF method of Fe removal on a 1 X 25 kg test sample generated and submitted – in progress

Preliminary tests for applicability of electrostatics for the removal of TiO₂ completed at CSIRO. (3 X 1Kg test samples)

Methods to remove organic particles from sand/flour under preliminary investigation by CSIRO

- Market related activities:

Established company website

Ongoing market research and monitoring

Attendance at China Glass 2010 – Beijing

Attendance at Glasstec 2010 - Dusseldorf

Contacts or meetings with:

- Downer EDI – Silica sand, Silica rock
- Stratum Resources – Sydney – Silica flour, Silica rock
- Sunday Solar Technologies – Penrith – Silica rock
- Macquarie Harbour Resources – Silica rock, Silica sand
- Citadel Resources – Melbourne – Silica sand
- OHC – Berlin - Silica flour
- Itochu - Japan - Silica flour
- KORES - South Korea - Silica sand, Silica flour, Silica rock
- Ssang Yong - South Korea - Silica sand, Silica flour, Silica rock
- Representatives of –
 - Indian interests – Silica flour, Silica rock
 - Chinese interests – Silica flour, Silica rock
 - South Korean interests (OCI) – Silica flour, Silica rock

Test samples generated at Burnie Research Laboratory for:

- MHM – 3 X 1Kg & 49Kg
- Ssang Yong/KORES – 2 X 10Kg – 1 X 6Kg
- Project Planning:
 - Road transport cost estimates to Boyer and Brighton Freight Hub by Lloyds North in progress
 - Monitoring construction progress at Brighton Freight Hub
 - Monitoring status of rail system in Tasmania
 - Monitoring developments in the downturn in the Tasmanian forestry industry and its impacts
 - Entered discussions with CSIRO re processing 1-2t bulk sample
 - Ongoing search for alternative processing site
- Community relations:
 - Contacts with Maydena Development Association maintained
- Environmental
 - Cleaned, rehabilitated and re-seeded drill sites
 - Re-capped several old drill hole standpipes

3.2 Statistical Summary

No. of RC Drill Holes	:	4
Total meters drilled	:	177
Tasmanian Drilling Services Pty Ltd., New Norfolk	:	Drilling Company
Edson 3000	:	Drill Rig – RC Hammer
Atlas Copco – 350cfm 150psi	:	Compressor

Test Samples generated:

MHM - Glass Sand	:	3 X 1Kg 1 X 49Kg
Ssang Yong/KORES - Silica Flour	:	1 X 10Kg
Ssang Yeng/KORES - Silica Sand	:	1 X 6Kg
Ssang Yeng/KORES) Silica Rock	:	1 X 10Kg
Eriez - HIMF tests – Silica Flour	:	1 X 25Kg
CSIRO – TiO ₂ + Carbon tests – flour and sand	:	3 X 1Kg
No. of Samples Analysed	:	404
No. of Analyses	:	2,239

3.3 Expenditure

To Dec 2009 (RL Tenure only)	:	\$438,148.00
Period Jan – Sep 2010	:	\$111,918.00
Estimate Oct – Dec 2010	:	\$ 27,104.00 (approx.)
Estimated Cumulative Total for period of RL Tenure	:	\$577,170.00 (approx.)

4. RESULTS**4.1 Drilling**

The main objective of this year's RC drilling programme in the Eastern Quarry Area was to obtain indications of depth to silica bedrock and its quality. Subsidiary information gained was the quality and depth extent of the superposed overburden of silica flour, sand and boulders. Four test sites were selected near the western edge of the deposit where scattered, large boulders of

silica rock on the surface or hard rock encountered at shallow depths in earlier drilling suggested near-surface bedrock. (See Fig. 3)

The drilling results are somewhat ambiguous and difficult to interpret accurately. They suggest bedrock at depths between 34-50m overlain by 16-35m of heavily ironstained, in parts somewhat clayey, sand and boulders, topped by 12-22m of leached, mainly white silica sand flour and boulders (See Appendix 2 and Figs 5,6,7).

A general summary of the main zones intersected, representing mainly the chemical character of the silica material is provided in the table below:

<u>Hole</u>	<u>White Leached Zone m</u>	<u>Ironstained Oxidised Zone m</u>	<u>Bedrock</u>
131	0 – 12	12 – 47	? 50+m
132	0 – 22	22 – 41	? 41m
133	0 – 16	16 – 32	34m
134	0 – 15	15 – 50	?+50m

Only Hole 133 provided clear indications of dolomitic bedrock at 33m-34m immediately overlain by a 1m (approx) of dark brown clay containing a layer of black carbonaceous material, interpreted as the basal part of a 3m palaeosoil unit. A sample of the latter was collected for pollen dating which might help constrain the age of formation of the silica deposit. If correct, this interpretation would indicate a substantial volume of overburden to be removed and stored, with associated cost imposts, in the event of a mining operation focused on silica bedrock.

In the first instance, samples were collected over 1m intervals over the entire hole length. But analyses were undertaken only on samples from the upper, white, leached zone. The material from the lower, heavily iron-stained zone was not assayed due to the obviously high iron content indicated by its colour. It appeared too heavily contaminated to be of interest as high purity silica sand or silica rock. Analytical results for this group of samples assayed were poor right

across the suite of elements tested (See Appendix 3). An unexpected outcome was the unusually high level of Cr₂O₃ encountered throughout, particularly in holes 131 and 132, where values of up to 53ppm Cr₂O₃ were reported against expectations of 1ppm or less, possibly reflecting contamination from the drilling equipment used.

All drill cuttings were then cleaned by washing and screened at 5mm approx, with the +5mm fraction retained for examination and assay. This further emphasised the colour differences between the leached and oxidised zones and pointed to lower oxidation levels at the base of holes 132, 133 and 134 indicated by lesser iron staining. The improvement in sample colour obtained in the leached zones suggested the possibility of better assay results for the silica rock chips cleaned of drill dust contamination. A range of samples, not necessarily sequential, mostly from the white, leached zone were analysed, as were samples from near, or at the bottom of, each hole (Appendix 4). Also analysed for reference and comparison were a few small fragments of silicified dolomite intersected at the base of former diamond drill hole Styx4 (Appendix 3). Results from this suite of samples, though no better than 85 ppm Fe₂O₃ over 3m in hole 133, were significantly better than those from the earlier group. However, impurity levels, in addition to iron, reported in the washed samples overall still exceeded significantly those required in silica rock feed for the manufacture of high purity polysilicon. In the light of these disappointing outcomes, further investigations into the hard rock silica resource potential in the Eastern Quarry area as feed for the manufacture of high purity polysilicon will be scaled back.

4.2 Supplementary Assays

4.2.1 Phosphorus

Recent enquiries indicated the need for low phosphorus and in some cases, lithium in the silica material for specialist applications. In this context, previously tested material from drill holes 111-130 were re-analysed for P₂O₅ (Appendix 5). The highest levels of P₂O₅ were recorded in holes 112 and 113, spiking at 6.70% and 0.401% P₂O₅ respectively. Lesser concentrations of 0.215% and 0.130% were recorded from 15-17m in hole 114 and 0.079% from 17-18m in hole 123 with occasional spikes of up to 320 ppm P₂O₅ noted in several of the

other holes. These high values were often associated with elevated Al_2O_3 . In the remaining samples, P_2O_5 levels commonly lay in the range of <10ppm to around 60ppm, averaging about 30-40 ppm. Even at these reduced levels, P_2O_5 content may be too high for some specialist applications of the silica product and processing options to reduce these amounts further need investigation. The source of the phosphorus is currently unknown, but mineralogical studies completed to date suggest it may, in part, be apatite.

4.2.2 Lithium

Also in recent enquiries low levels of lithium, preferably below 1ppm were indicated as a requirement for optical glass manufacture. So far, only a limited number of samples have been analysed for this element (See Appendix 6 & 7). Results show lithium mostly at <1ppm, though levels of 2 and 3ppm have been recorded. From customer tests it is apparent that these levels may be reduced further by acid leaching to a point where lithium presents no further problems.

4.3 Mineralogical Investigations

These studies are in progress, but have been held up by the consultant's commitments overseas and sample contamination originating from the sample preparation equipment. They are aimed at identifying mineral species hosting phosphorus, boron, lithium and other contaminants and their location within the sand grains or silica crystal structure.

Methods used initially will be classical microscope work, as well as SEM, EMP, and possibly cathodoluminescence. The ultimate objective of the project is to provide information to help improve the beneficiation process.

4.4 Palaeodating

One of the unresolved questions regarding the silica sand deposit is the age of its formation. Pollen in the organic and clay layers encountered towards the base of the RC drill holes completed this year, as well as in some of the prior drill holes, including DDH Styx 4, could yield useful data. Several samples were selected for investigation by a University of Melbourne pollen expert in association with facilities in Canada. This is a work in progress.

4.5 Other

After further site visits and minor surface rock sampling, Macquarie Harbour Mining relinquished its option over the Western Quarry silica rock resource.

4.6 Beneficiation

Most beneficiation activities this year were tied to test sample preparation for marketing purposes. This work was undertaken by Burnie Research Laboratory and consisted of standard procedures variously involving desliming, sample washing, drying, screening and magnetic separation. Furthermore, after discussion with ERIEZ EUROPE in Wales, 1X25Kg sample of silica flour in the +40-250 micron size band (Sample 101B-1) was screened out, washed, dried and forwarded to Eriez for preliminary tests as to the applicability of the High Intensity Magnetic Filter (HIMF) method for the removal of mainly iron and ilmenite contamination. It is claimed that this method offers a number of advantages over the Wet High Intensity Magnetic Separation technique, among them its portability, low operating costs, minimal maintenance and better iron removal capacity for equivalent gauss field strengths. Preliminary results are expected in Q1 of 2011.

Removal of non-magnetic rutile, a source of TiO₂ contamination in the silica flour and sand, presents a processing problem which, if solved, would enhance end product quality of both the silica flour and silica sand as well as upgrade currently sub-economic material to commercial resource levels. After discussions with CSIRO, Melbourne, 3X1Kg samples of material consisting of the -75 micron, 75-200 micron and +200-500 micron size bands of sample 90B-2 were submitted for bench scale tests using electrostatic separation. The results are encouraging, particularly for the coarser size bands (See Appendix 7). The raw material feed contained TiO₂ values of around 1000ppm which were reduced to 480ppm in the -75 micron, non-conducting (NC) fraction. The non-conducting +75-200 micron fraction reduced to 250ppm TiO₂ and the non-conducting +200-500 micron fraction showed the best improvement with only 100ppm TiO₂. There were

corresponding improvements in the levels of Fe₂O₃, reducing to only 10ppm in the 200-500 micron band. A matter to be followed up are the surprisingly high Cr₂O₃ values between 3-6ppm in the non-conducting fraction. The original feed indicated only 1ppm or less. This may be the result of cross contamination from the electrostatic equipment used.

Similar reductions of TiO₂ from 40ppm to 20ppm were achieved in the non-conducting fraction of sample B101-3. However, the latter sample also contained an unusually high proportion of black organic specks of carbon ranging in size from ca.600 microns downwards. Contrary to expectations, electrostatic separation removed only a proportion of this contaminant (visual estimate only). Discussions are in progress with CSIRO to see if investigations into alternative, more effective methods for the removal of the carbon are feasible.

4.7 Project Planning

As freight logistics and transport costs play an important part in the commercial viability of this project, the status of the rail system in Tasmania, construction progress at the Brighton Freight Hub as well as developments in the downturn in the Tasmanian forestry industry and its impact on rail policy were monitored on a continuing basis.

Previous project planning envisaged the use of rail transport to bring product from Maydena to port at Bell Bay. This approach relied on the upgrade to freight standard of the Derwent Valley Railway line, the latter being dependent to a large extent in recent years on projected timber freight volumes sourced from a major timber company's concessions south of Hobart via loading facilities to be established at either Westerway or Karanja, approx. 15 and 20 Km east of Maydena by road respectively. In view of the current turmoil in the Tasmanian timber industry and its re-orientation towards plantation timber, this rail line upgrade is now deemed highly unlikely in the foreseeable future. In this context, railing of product via the Brighton Freight Hub may provide a viable alternative to road freight, provided the rail line from Western Junction to Bell Bay remains open. Freight costs utilizing the Hub cannot as yet be estimated. In the

meantime, indicative road freight costs from quarry site to Bell Bay port were obtained from LloydsNorth. These estimates suggest costs of \$750 to \$975 per 20 tonne container, i.e. \$37.50 to \$48.75 per tonne of product. Transport costings from quarry site to Boyer and Brighton Transport Hub for possible product transfer to rail are awaited.

Further discussions with CSIRO, Melbourne, re processing 1-2t bulk samples, as an alternative to a pilot plant, were deferred until later in 2011 when that organisation plans to acquire a WHIMS unit – an essential component of the processing flow sheet. Successful tests with the HIMF unit (See Section 4.6 above) may prompt modification of this approach.

The search continues for a more suitable processing site as an alternative to a previously selected area adjacent to the Gordon River Road – new possibility emerging.

4.8 Marketing

4.8.1 Overview

After a significant downturn and stagnation in 2008/2009, silica flour demand for TFT-LCD applications began to pick up in Q4/2009 and continued to improve through to end Q2/2010. Thereafter, reports suggest that LCD TV producers were trimming production targets, leading to lower glass volumes used and an inventory glut. Nonetheless, Corning, a global leader in the production of display glass, estimated that global demand for display glass for 2010 could peak at between 2.9 – 3.1 billion square feet. Despite the reported glass inventory overhang, Corning is cautiously optimistic, expecting low to modest growth in the global display glass business for 2011.

In contrast to display glass, the global polysilicon industry continued to grow rapidly in 2010, in line with the growth of the global solar PV market. Market researcher Globaldata reports year on year increases in global silicon production capacity from 32,500 metric tonnes in 2004 to 232,697 metric tonnes in 2010.

After plunging to a low of US\$45-50/Kg, PV polysilicon prices have stabilised in the more realistic range of US\$60-70/Kg in the latter half of 2010. Even these price levels are considered high by industry users, some of whom are investigating new and cheaper methods of producing high purity polysilicon.

New capacity, brought on stream in 2009 and 2010 in response to growing demand, resulted in a glut of PV polysilicon which some market analysts claim will take several years to work through and act as a brake on major price rises.

Among factors driving growth in PV cell uptake are increasing efficiencies of traditional monocrystalline and polycrystalline silicon solar panels, currently between 15 and 23%, compared to thin film amorphous silicon of 6.7% and CdTe technology of around 10%.

The major sources of polysilicon are the US and China which, in 2009 – 2010, produced in excess of 50% of global output between them.

Europe, with a 71% share of globally installed capacity of PV cells is the leading solar PV market, where the major participants are Germany, Spain, Italy, France and the Czech Republic.

The Asia-Pacific region follows with a 14.9% share, where Japan and increasingly, China, are the main participants.

Market share in the US is increasing and legislation, along with government structure packages are likely to encourage further growth.

Overall, the market outlook for PV polysilicon and, therefore, high purity silica, remains positive despite moves of a number of market participant countries to reduce subsidies for the installation of PV units.

4.8.2 Marketing Activities

Marketing activities continued throughout the year with emphasis on silica flour and silica sand at the expense of silica rock, whose potential at the prospect was significantly diminished in the light of the disappointing drilling results this year (See Section 4.1). The creation and launch of a basic company website mid-year already generated several enquiries, in addition to establishing contact with

several overseas sand producers. To year-end 2010, the site registered, on average, between 30-40 visits per month, about 10% of which were of 15 minutes duration or more. In addition, the markets for TFT-LCD panels and PV polysilicon, proxies for silica sand/flour and high purity silica rock respectively were monitored throughout the year to identify consumer trends and to identify potential new customers. Allied to this were successful visits to China Glass 2010 in Beijing and Glasstec 2010, Dusseldorf to broaden industry contacts.

There were contacts and/or meetings with the following:

Downer EDI

The Hobart Branch, Road Construction Division, of this large conglomerate was negatively impacted by the downturn in demand for forestry road maintenance and construction, due to uncertainties associated with the re-orientation of the Tasmanian forestry industry. Consequently, the company no longer sees immediate demand for this company's lower quality sand and rock. The matter is on hold.

Sunday Solar Technologies

This Penrith, NSW-based research company was visited to showcase Maydena's potential products, particularly silica rock. The company is involved with the photovoltaic industry and the production of polysilicon. No further immediate action.

Macquarie Harbour Resources

At its request, this Tasmanian company was provided with several small samples of processed silica sand for testing by its Asian clients for optical glass applications. Following generally acceptable test results, (similar to those achieved by Maydena Sands) a larger sample of 49Kg of processed silica sand was provided for more detailed investigations. Tests are on-going, but recent responses are said to have been "reasonably positive".

KORES/Ssang Yong

KORES is a public corporation, owned by the South Korean government, specializing in resource development. It is acting to source supplies of silica flour, sand and rock for Ssang Yong, a large South Korean corporation with primary interests in the car industry. They requested, and were supplied with, 10Kg each of silica rock and processed silica flour, and 6Kg of processed silica sand to be tested for unspecified applications. Tests are to be completed in January 2011 and, if successful, would be followed by a familiarisation site visit.

OCI – South Korea

This large South Korean multinational with plans to diversify into production of high purity PV silicon is seeking large quantities of high purity quartz or silica rock smelter feed. After protracted discussions through an intermediary, the company decided in favour of sourcing smelter feed from Kazakhstan.

FESIL

This Norwegian silicon producer is a member of a consortium investigating the use of high purity silica flour and carbon black as a cheaper alternative to the Siemens-based processes for the production of high purity PV poly- and mono-silicon. The company was contacted to see if the Maydena Sands' silica flour or sand would be a suitable component for this process. Although FESIL's size specs could be achieved, its chemical specs could not be met at this stage. Further action deferred.

Citadel Resources

Contact with this company concerning silica sand continued early into 2010, but its interests waned. Recently, this company was subject to a successful takeover. Further interest in silica sand is not expected from the new owners.

Other Contacts

Ongoing contact was also maintained with Stratum Resources – Sydney, OHC – Berlin, Itochu – Japan and Melbourne.

Enquiries re silica flour and silica sand from representatives of some Chinese, Indian and other South Korean interests led to no further developments at this stage.

Competitors

Several new, supply-side competitors have emerged in the market place for both high purity silica sands/flour and silica rock. Those in Turkey, Tunisia and Niger appear to focus primarily on markets in Europe, North America and the Middle East and, to a lesser extent, on China and the rest of East Asia. On the other hand, two of the new, potential Australian competitors place emphasis mainly on markets in East Asia.

4.9 Environmental

This year's drilling programme had minimal environmental impact. No new access tracks were needed as drilling was undertaken from pre-existing drill pads. Three were widened slightly to accommodate the larger RC drill rig used.

4.10 Rehabilitation

Drill sites 117, 131, 132, 133 and 134 were cleaned up, holes capped, rehabilitated with top soil returned and re-seeded using seeds provided by Forestry Tasmania. In addition, several old drill holes were also re-capped. Re-seeding only was also undertaken in areas around previously drilled holes 109, 112, 113, 120, 121 and 122. Drainage grips were cleaned and enlarged on the upper part of the access track to hole 133, as well as the upper part of the fire track leading to holes 126 and 127. A drainage channel on the side of the main haulage track near drill site 134 was re-established.

5. CONCLUSIONS AND RECOMMENDATIONS

- There appears to have been moderate growth in the demand for display panels during the year, particularly in China, during 2010. Further low to moderate growth is predicted for 2011. This trend should maintain demand for high purity silica flour, especially in East Asia.
- Strong growth for the photovoltaic industry is again predicted for 2011, offering market potential for both high purity silica sand for PV cell cover glass and high purity silica rock for PV polysilicon production.
- Due to the disappointing results of this year's drilling, the capability of Maydena Sands to contribute major quantities of high purity silica rock from the Eastern Quarry area for PV polysilicon production has been severely reduced.
- This outcome does not warrant any further major effort or expenditure to delineate high purity silica rock resources at the prospect.
- Preliminary tests using electrostatics to reduce levels of TiO₂ (as rutile) and carbon particles yielded positive results. Further trials, including use of heavy media separation and air current electrostatics for carbon, warrant pursuing.
- Promotional and marketing activities in Europe and particularly in the East Asia region were this year again successful in generating a number of enquiries about this company and its products as well as providing contacts with several sand producers.
- The increase in enquiries received about potential silica flour and sand products, particularly in H2/2010, is encouraging, as is the generally positive response on test sample results submitted for investigation. Clearly, marketing and promotional efforts need to continue.
- A possible alternative processing plant site remains of interest and should be pursued further as appropriate.
- Project capex/opex should be reviewed and updated regularly in the light of changing business conditions in Tasmania.

5. PROPOSED FUTURE ACTIVITIES

- Complete mineralogical and palaeodating investigations currently in progress.
- Complete preliminary HIMF separation test with ERIEZ and follow up if warranted.
- Continue with investigations to remove rutile and carbon from the silica flour and sand end products.
- Continue with product development and promotion and identify further sales opportunities.
- Continue with product marketing and follow up on contacts made at China Glass 2010 and Glasstec 2010.
- Continue with efforts to identify flat land sites for the location of process plant, quarry infrastructure, dams, etc.
- Continue with process plant design, sand extraction concepts and capex/opex reviews.
- Maintain contact with state and local regulatory authorities, as well as local civic associations and groups, on project related matters and activities.

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APPENDIX 1

RC DRILL HOLE CO-ORDINATES

DRILL HOLE CO-ORDINATES

(AGD 1966)

Point	Easting	Northing	Height	Hole
354	465984.89	5263902.07	420.69	DH131
352	465902.87	5263947.63	418.83	DH132
365	465666.03	5263933.18	400.49	DH133
351	465798.55	5263969.92	426.73	DH134

APPENDIX 2

RC DRILL HOLE LOGS

MAYDENA SANDS PTY. LTD**DRILL HOLE LOG**

AREA:	Eastern Quarry Area, Pine Hill, Maydena	MAP SHEET:	4626 Maydena
DRILLER:	Diamond Drilling Tasmania Pty Ltd	DRILL HOLE:	131
METHOD:	RC	AMG	5263902mN
DATE:	04.03.2010	CO-ORDS:	465985mE
LOGGED BY:	GK	ANGLE:	Vertical
		FINAL DEPTH:	50m

FROM	TO	DESCRIPTION	SAMPLE NO.
0	1	Fine buff/pale br. sand, sp. Silica rock fragments	70636
1	2	Fine buff/pale br. sand, sp. Silica rock fragments	70637
2	3	Fine buff/pale br. sand, with silica rock chips (s.r.c) ,abund.limonite stain	70638
3	4	Fine grey-white, then orange-br, sand with abund. white sil.rock chips with lim.stain and crust	70639
4	5	Fine white, then more or.-br.sand; lesser white, more or.-br. lim.stained chips	70640
5	6	Fine white,then or.-br sand,abund. white and br.-stained s.r.c: ?ferrug.	70641
6	7	Fine grey-white sand with chips of white and lim.stained silica rock	70641A
7	8	Fine grey-white sand with chips of abund.white, less lim.stained silica rock	70642
8	9	Fine grey-white sand with chips of abund.white, less lim.stained silica rock - cavity,(small sample return)	70643
9	10	Fine pale or.-br sand; abund.white rd.-br. Fe stained chips of silica rock	70644
10	11	White sand to 10.5m then reddish stain,white and Fe-stained silica rock chips	70645
11	12	Dark red-br.sand then white-grey to 12m., white and Fe-stained silica rock chips; Fe crusts	70646
12	13	Pale yel., yel., dk.or-br.sand with abund. Fe-st, dk.or., abd white s.r.c.	70647
13	14	Or.sand, mostly Fe stained, or.and br.silica rock; some grey silica	70648
14	15	Pale or-br.sand, Fe stained or.br.and reddish sil.rock. Some grey quartz chips	70649
15	16	Fine buff and or.sand; grey, or., red-br. Fe stained silica rock frags.	70650
16	17	Fine buff and or.sand; grey, or., red-br. Fe stained silica rock frags.	70651
17	18	Dark or-br.sand; grey and pale or., red-br. Fe stained silica rock chips; sp.dk. Fe -ox fragments	70652
18	19	Dark or-br.sand; grey and pale or., red-br.silica rock chips;	70653
19	20	Or.-br.sand; grey and pale or., red-br. Fe stained silica rock chips	70654
20	21	Or.-br.sand; grey and or., Fe stained silica rock chips. Minor buff clay	70655
21	22	Bright or.-brown sand and grey Fe stained silica chips	70656
22	23	Or.-br sand, somewhat clayey; grey and Fe stained sil.rock chips	70657
23	24	Light or.and dk.or.br.sand; grey and Fe stained sil.rock chips	70657A
24	25	Or.and lt.br.sand, minor clay; white-grey and Fe stain smear on sil.rock chips	70658
25	26	Dk.or.-br.sand, slightly clayey; abund.grey,or.and Fe stained sil.rock chips	70659
26	27	Dk.or.-br and dk.red br.sand, slightly clayey; abund.grey,or.and Fe stained silica rock chips (s.r.c.)	70660
27	28	Or.br.and cream sand, slightly clayey; less grey, or.,and Fe stained s.r.c.	70661
28	29	Dk.or.br.sand; somewhat clayey; frags of white and Fe stained s.r.c.	70662
29	30	Or.br.sand; slightly clayey; frags of white and grey Fe stained s.r.c.	70663
30	31	Dk.br.sand; slightly clayey; frags of white and grey Fe stained s.r.c.	70664
31	32	Dk.br.sand; slightly clayey; frags of white and grey Fe stained s.r.c.	70665
32	33	Layered dk.or.br., buff and lt.br.sand; slightly clayey. Fe stained s.r.c.	70666
33	34	Dk.or.br.sand; slightly clayey; frags of white and Fe stained s.r.c.	70667
34	35	Dk.or.br.sand; slightly clayey; abund.frags of white and Fe stained s.r.c.	70668
35	36	Or.and or.br.sand; slightly clayey; abund. Fe-st. grey and white s.r.c.	70669
36	37	Or.yell.sand; slightly clayey; abund. Fe-st. grey and white s.r.c.	70670
37	38	Or.yell.sand; slightly clayey; damp; abund. Fe-st. grey and white s.r.c.	70671
38	39	Or.br.sand; clayey; damp; abund. white and grey Fe stained s.r.c.	70672
39	40	Or.br.sand; abund. white s.r.c.; Wet sample.	70674

FROM	TO	DESCRIPTION	SAMPLE NO.
40	41	Or.red br.mud; abund.chips (large) white, grey and Fe stained sil.rock; frags. of Fe ox.; Very wet sample.	70675
41	42	Mostly dk.br., chocolatey sand; slightly clayey; abund.grey and Fe stn.s.r.c.	70676
42	43	Dk.br.clayey sand; abund.grey and Fe stained s.r.c.; abund frags of Fe ox.	70677
43	44	Dk.br.clayey sand; lesser amount of s.r.c.; black Fe ox.and ?organic coatings	70678
44	45	Dk.br.clayey sand; clay damp, tends to ball; Fe ox.-?organic coatings on s.r.c	70679
45	46	Dk.br.and creamy clay, gritty; damp balling; white s.r.c.	70680
46	47	Dk.br.then mostly creamy clay and sand; dk.br.clay balling; white s.r.c.	70681
47	48	Cream sand and dk.br.clay, balling; white s.r.c.	70682
48	49	Cream sand and dk.br.clay, balling; sparse white s.r.c.; top wet	70683
49	50	Dk.br.mud with s.r.c.; wet sample	70684

End of Hole at 50m.

Note: Sample Nos. 70647 to 70683 not analysed.

MAYDENA SANDS PTY. LTD**DRILL HOLE LOG**

AREA: Eastern Quarry Area, Pine Hill, Maydena
DRILLER: Diamond Drilling Tasmania Pty Ltd
METHOD: RC
DATE: 04.03.2010
LOGGED BY: GK

MAP SHEET: 4626 Maydena
DRILL HOLE: 132
AMG: 5263988mN
CO-ORDS: 465903mE
ANGLE: Vertical
FINAL DEPTH: 42m

FROM	TO	DESCRIPTION	SAMPLE NO.
0	1	Off white/buff silica flour; white grey and buff s.r.c.; Coarse fraction (cf)5-10%	70685
1	2	As above; cf ca 30%.	70686
2	3	Buff coloured silica flour; White, grey and buff s.r.c.; cf ca 30%.	70687
3	4	As above;	70688
4	5	As above; cf ca 5%.	70689
5	6	As above: cf ca 10%.	70690
6	7	As above;	70691
7	8	No sample return.	70692
8	9	Buff coloured silica flour; White and grey s.r.c.; cf ca 20-25%.	70693
9	10	As above: cf ca 20%.	70694
10	11	As above; cf ca 10%	70695
11	12	As above; cf ca 5-10%.	70696
12	13	Off white, pale cream silica flour; white and grey s.r.c.; cf ca 5%.	70697
13	14	As above; cf ca 1-2%.	70698
14	15	Beige/buff silica flour; tinge lt. brown; white, grey s.r.c.; cf ca 1-2%.	70699
15	16	Lt. grey silica flour; then off white-creamy; white, grey s.r.c.; cf ca 1-2%	70700
16	17	White silica flour; white grey s.r.c.; cf ca 1-2%.	70701
17	18	Off white-creamy silica flour; white, grey, some black s.r.c.; cf ca 5%.	70702
18	19	As above; cf ca 5-10%.	70703
19	20	Grey white silica flour; white, grey s.r.c.; cf ca 2-3%.	70704
20	21	As above; cf ca 10-15%.	70705
21	22	Off white, slightly greyish sil. flour; white, grey s.r.c.; trace lim. spotting; cf ca 20%	70706
22	23	Off white, slightly greyish, then 0.5m or. br. silica flour; white, grey s.r.c.; sparse lim. staining; cf ca 5-10%	70707
23	24	Orange sand and gravel; or. br. stained limonitic white s.r.c.; cf ca 40%.	70708
24	25	Bright orange sand and gravel; s.r.c. as above; cf ca +40%	70709
25	26	Pale orange sand and gravel; s.r.c. as above; some large frags.; cf ca 30%.	70710
26	27	Pale yell. br. sand, slightly clayey; s.r.c. as above; some large frags.; cf ca 30%.	70711
27	28	Pale yell. br. sand; bouldery ground; s.r.c. as above but no Fe ox.; cf ca +40%	70712
28	29	Pale yell. and orange sand; bouldery ground; s.r.c. as above; cf ca +40%	70713
29	30	Dk. or. br. sand, slightly clayey; bouldery ground; s.r.c. as above; cf ca 40%	70714
30	31	As above; s.r.c. as above; cf ca +30%	70715
31	32	Orange mud; s.r.c. as above; cf ca + 30%.	70716
32	33	Orange sand; s.r.c. as above with abundant Fe ox. crusts; cf ca 20%.	70717
33	34	As above; s.r.c. as above, less Fe ox. Crust; cf ca 40%	70718
34	35	Orange sand, coarse, gravelly; white, grey s.r.c.; or. br. stain, minor black Fe ox. frags; cf ca 60%.	70719
35	36	Lt. or. br. sand, coarse, gravelly; s.r.c. as above; cf ca +40%.	70720
36	37	As above; slightly clayey; s.r.c. with dk. br. coatings.	70721
37	38	Lt. br. coarse sand, gritty, gravelly then br. clay; ? Soil; damp sample.	70722
38	39	Lt. br. sand, gritty, coarse; br. clay; Fe ox. On some frags; wet sample.	70723
39	40	Dk. choc. br. clay, slightly sandy; white, grey s.r.c.	70724
40	41	Br. gritty sand and silica gravel, sparse choc. clay; coarse s.r.c.; damp.	70725
41	42	Choc. br. clay, sparse, coarse s.r.c.; ? Soil.	70726

End of hole at 42m.

Note: Sample Nos. 70710 to 70726 not analysed.

MAYDENA SANDS PTY. LTD**DRILL HOLE LOG**

AREA:	Eastern Quarry Area, Pine Hill, Maydena	MAP SHEET:	4626 Maydena
DRILLER:	Diamond Drilling Tasmania Pty Ltd	DRILL HOLE:	133
METHOD:	RC	AMG	5263933mN
DATE:	05.03.2010	CO-ORDS:	465666mE
LOGGED BY:	GK	ANGLE:	Vertical
		FINAL DEPTH:	35m

FROM	TO	DESCRIPTION	SAMPLE NO.
0	1	Grey-white gravelly sand; silica rock chips (s.r.c.), grey	70727
1	2	Silica flour, off-white/pale buff; minor s.r.c. white, trace black Fe ox.	70728
2	3	Silica flour, pale buff; s.r.c. grey/white, cf ca 2-3%.	70729
3	4	Silica flour, pale buff; s.r.c. white-grey/white, cf ca 3-5%.	70730
4	5	Silica flour, off-white; s.r.c. as above; cf ca 5%.	70731
5	6	Silica flour, off-white, gravelly; s.r.c. as above; cf ca 10-15%.	70732
6	7	Silica flour, off-white; s.r.c. as above; cf ca +15%.	70733
7	8	Silica flour, minor streaks, pale buff flour; s.r.c. as above; cf ca 20%.	70734
8	9	Silica flour, pale buff; s.r.c. as above, trace rd.br. Fe; cf ca 5-10%.	70735
9	10	Silica flour, pale buff; s.r.c. as above; cf ca 10%.	70736
10	11	Silica flour, white; s.r.c. as above; cf ca 3-5%.	70737
11	12	Silica flour, white; s.r.c. as above; cf ca 3-5%.	70738
12	13	Silica flour, off-white; s.r.c. as above; cf ca 3-5%.	70739
13	14	Silica flour, pale buff, then lt.br.; s.r.c. as above; cf ca 3-5%.	70740
14	15	Silica flour, pale br., cream streaks; s.r.c. as above; cf ca 2%.	70741
15	16	Silica flour, off-white, then pale br., then dk.br., clayey, damp; minor s.r.c.; cavity @ 15.5m.	70742
16	17	Grit, gravelly, pale buff and coarse sand; s.r.c. white and grey.	70743
17	18	Clay, br., streaks of cream clay; sandy, minor s.r.c., black Fe ox.	70744
18	19	Clay, dk.br.; grit pale buff; s.r.c. with black Fe ox. stain.	70745
19	20	Clayey sand and grit, dk.br.; s.r.c. dirty, Fe ox. coating; wet sample.	70746
20	21	Dk.br. sandy clay, fine sand; s.r.c. Fe stained, black Fe ox. frags.	70747
21	22	As above, with clay balling; s.r.c. as above.	70748
22	23	As above; more clay; s.r.c. as above.	70749
23	24	As above; clay balling; s.r.c. as above.	70750
24	25	Dk.br. ?palaeosoil.	70751
25	26	As above, tendency to balling; s.r.c. white, grey, buff, rd.br.	70752
26	27	Sandy gravel, brownish, minor clay; abundant s.r.c. as above.	70753
27	28	Brown clay-?soil, very minor s.r.c. as above.	70754
28	29	Brown ?soil, clayey, sandy, some balling; s.r.c. as above; some large frags.	70754A
29	30	Lt.br., loamy, sandy clay, some balling; some large s.r.c.	70755
30	31	As above, then orange clay, sticky, balling; minor streaks of white sil. flour.	70756
31	32	Dk.br. and orange clay with white sil. flour specks and sil. rock frags.	70757
32	33	Dk.br. ?soil, then carbonaceous layer (black), then fine buff sil. flour.	70758
33	34	Beige/lt.br. sandy clay with frags. of lt. grey/khaki ?dolomite.	70759
34	35	Beige to buff very fine sand and frags. of grey/pale buff ?dolomite.	70760

End of Hole at 35m.

Note: Sample Nos. 70744 to 70758 and 70760 not analysed.

MAYDENA SANDS PTY. LTD**DRILL HOLE LOG**

AREA:	Eastern Quarry Area, Pine Hill, Maydena	MAP SHEET:	4626 Maydena
DRILLER:	Diamond Drilling Tasmania Pty Ltd	DRILL HOLE:	134
METHOD:	RC	AMG	5263970mN
DATE:	05.03.2010	CO-ORDS:	465799mE
LOGGED BY:	GK	ANGLE:	Vertical
		FINAL DEPTH:	50m

FROM	TO	DESCRIPTION	SAMPLE NO.
0	1	Lt. creamy sand; silica rock chips (s.r.c.) white, milky, grey; cf ca 10%	70761
1	2	Dk. br. sandy soil; s.r.c. white, brown; some large frags; cf ca 25%.	70762
2	3	Buff sand; s.r.c. white, milky, grey; some large frags.; cf ca 40%.	70763
3	4	Cream sand; s.r.c. as above; some large frags; cf ca 20%.	70764
4	5	Off-white-cream sand; s.r.c. as above; some large frags.; cf ca 20%.	70765
5	6	As above.	70766
6	7	Off-white/creamy-grey sand; s.r.c. as above, sparse Fe ox.; cf ca 30%.	70767
7	8	Lt. grey sil. flour and fine sand; s.r.c. as above; cf ca 25%.	70768
8	9	White sil. flour, fine sand; s.r.c. as above; cf ca 20%. Hammer from 8.5m.	70769
9	10	Cream/pale yell. sil. flour and fine sand; s.r.c. as above; cf ca 10%; 0.5m cavity.	70770
10	11	Lt. grey-white sil. flour, streaks of buff sil. fl; s.r.c. white, grey, milky; cf ca 5-10%.	70771
11	12	As above.	70772
12	13	As above. Sparse pinkish frags.	70773
13	14	White sil. flour; s.r.c. white, milky, rare Fe ox.	70774
14	15	As above; s.r.c. as above; cf ca 10-15%; colour change to br./or. br. at base.	70775
15	16	Orange sil. flour; s.r.c. white, br., rd. br.; cf ca 10%.	70776
16	17	Pale orange sil. flour; s.r.c. white, grey, pale brown; cf ca 10%.	70777
17	18	As above; s.r.c. as above; cf ca 10-15%.	70778
18	19	As above, slightly lighter colour; s.r.c. white, grey, trace lim spots; cf ca 10%.	70779
19	20	As above; s.r.c. as above; cf ca 10%.	70780
20	21	Most as above, then orange at base; s.r.c. as above; cf ca 5-10%.	70781
21	22	Bright or. some pale or. sil. flr; s.r.c. Fe stained, sparse white frags; cf ca 5%.	70782
22	23	Bright or. and br. sil. flr; s.r.c. or. br. lim. stained, some white, milky; cf ca 5-10%.	70783
23	24	As above; s.r.c. as above; cf ca 3-5%.	70784
24	25	As above; s.r.c. as above, sparse frags of black Fe ox.; cf ca 3-5%.	70785
25	26	Light or. br. sil. sand; s.r.c. as above; cf ca 3-5%.	70786
26	27	Dk. or. br. fine sil sand; s.r.c. as above; cf ca 5-10%.	70787
27	28	Or. br. fine sil. sand; s.r.c. as above; cf ca 5-10%.	70788
28	29	Or. fine sil. sand; s.r.c. as above; cf ca 5-10%.	70789
29	30	Or. fine sil. sand and flour; s.r.c. as above; cf ca 2-3%.	70790
30	31	As above; s.r.c. as above, "dirtier"; cf ca 5-10%.	70791
31	32	Light or. fine sil. sand and flour; s.r.c. as above; cf ca 2-3%.	70792
32	33	As above; s.r.c. as above; cf ca 2-3%.	70793
33	34	Or. br. fine sil. sand and flour; s.r.c. as above; cf ca 2-3%.	70794
34	35	Dk. or. br. fine sil. sand and flour; s.r.c. as above; cf ca 5%.	70795
35	36	Or. br. fine sil. sand and flour; s.r.c. as above, lim. crusts on frags; cf ca 5-10%.	70796
36	37	Dk. or. br. fine sil. sand and flour; s.r.c. as above; cf ca 5-10%.	70797
37	38	Or. fine sil. sand and flour; s.r.c. as above; cf ca 5%.	70798
38	39	As above; s.r.c. as above; cf ca 5%.	70799
39	40	Or. br. fine silica sand; s.r.c. as above; cf ca 3-5%.	70800

FROM	TO	DESCRIPTION	SAMPLE NO.
40	41	Orange fine sil.sand and flour; s.r.c. as above; cf ca 2-3%.	70801
41	42	As above; s.r.c. as above; cf ca 3-5%.	70802
42	43	Or.fine sil.flour; poor sample return; cf ca 1%.	70803
43	44	Or.fine sil.flour and sand; poor sample return; cf ca -1%.	70804
44	45	As above.	70805
45	46	As above.	70806
46	47	Or.fine sil.flour-powder; poor sample return; cf ca -1%.	70807
47	48	As above.	70808
48	49	Or.br.fine sil.sand and flour; s.r.c.white,gre,or.br.; cf ca 3%.	70809
49	50	Lt.br.sand; s.r.c. as above; cf ca 5-10%.	70810

End of Hole at 50m.

Note: Sample Nos. 70784 to 70810 not analysed.

APPENDIX 3

ASSAY RESULTS

RC DRILL HOLE SAMPLES



CERTIFICATE OF ANALYSIS BR10030535

Sample Description	Method Analyte Unit LOR	ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84	
		Al2O3 %	CaO %	Cr2O3 ppm	F2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	Nb2O5 %	K2O %	P2O5 %	Na2O %	ZnO %	As %	Se %	Mo %
70636	H131	0.624	0.058	12	0.488	0.043	0.003	0.063	0.001	0.016	0.045	0.007	0.007				
70637	1-2	0.057	0.018	7	0.104	0.012	0.001	0.023	<0.001	0.003	0.004	0.002	0.002				
70638	2-3	0.520	0.074	20	0.609	0.036	0.004	0.037	0.001	0.019	0.041	0.028	0.028				
70639	3-4	0.042	0.030	10	0.768	0.010	0.001	0.012	<0.001	<0.001	0.002	0.041	0.041				
70640	4-5	0.043	0.028	12	1.030	0.010	0.002	0.002	0.001	0.001	0.001	0.063	0.063				
70641	5-6	0.030	0.242	9	0.515	0.151	0.001	0.002	0.001	0.001	0.002	0.020	0.020				
70641A	6-7	0.021	0.025	12	0.173	0.008	0.001	<0.001	<0.001	<0.001	0.001	0.008	0.008				
70642	7-8	0.016	0.039	13	0.148	0.013	0.001	<0.001	<0.001	0.001	0.001	0.016	0.016				
70643	8-9	0.048	0.102	19	0.385	0.053	0.002	0.002	<0.001	0.003	0.003	0.038	0.038				
70644	9-10	0.066	0.039	10	0.400	0.006	0.001	0.002	<0.001	0.001	0.003	0.059	0.059				
70645	10-11	0.036	0.046	16	0.240	0.007	0.001	<0.001	<0.001	0.001	0.001	0.038	0.038				
70646	11-12	0.200	0.076	12	0.868	0.010	0.001	0.032	0.001	0.001	0.004	0.122	0.122				
70685	H132	0.025	0.033	10	0.102	0.017	0.001	0.037	<0.001	0.001	0.002	0.005	0.005				
70686	0-1	0.028	0.039	6	0.073	0.022	<0.001	0.234	<0.001	0.003	0.002	0.005	0.005				
70687	1-2	0.017	0.029	9	0.117	0.013	0.001	0.065	<0.001	0.001	0.001	0.004	0.004				
70688	3-4	0.013	0.025	10	0.104	0.010	0.001	0.065	<0.001	0.001	0.001	0.004	0.004				
70689	4-5	0.015	0.021	18	0.170	0.010	0.001	0.063	<0.001	0.001	0.002	0.003	0.003				
70690	5-6	0.017	0.024	19	0.188	0.012	0.001	0.070	<0.001	0.001	0.001	0.004	0.004				
70691	6-7	0.013	0.015	15	0.098	0.007	0.001	0.112	<0.001	<0.001	0.002	0.003	0.003				
70692	7-8																
70693	8-9	0.021	0.015	12	0.126	0.007	0.001	0.152	<0.001	0.001	0.001	0.004	0.004				
70694	9-10	0.013	0.017	22	0.256	0.006	0.002	0.224	0.001	<0.001	<0.001	0.003	0.003				
70695	10-11	0.008	0.014	15	0.150	0.005	0.001	0.175	0.001	0.001	<0.001	0.003	0.003				
70696	11-12	0.013	0.011	15	0.153	0.005	0.001	0.158	<0.001	0.001	0.001	0.003	0.003				
70697	12-13	0.008	0.033	10	0.102	0.012	0.001	0.043	<0.001	<0.001	0.001	0.006	0.006				
70698	13-14	0.008	0.031	7	0.068	0.008	<0.001	0.028	<0.001	0.001	0.001	0.007	0.007				
70699	14-15	0.025	0.021	26	0.270	0.008	0.002	0.052	<0.001	0.002	0.002	0.006	0.006				
70700	15-16	0.008	0.033	22	0.176	0.012	0.001	0.082	<0.001	0.002	0.002	0.006	0.006				
70701	16-17	0.008	0.043	10	0.087	0.012	<0.001	0.082	<0.001	0.002	0.002	0.010	0.010				
70702	17-18	0.015	0.018	20	0.186	0.007	0.001	0.105	<0.001	0.001	0.001	0.003	0.003				
70703	18-19	0.011	0.022	28	0.192	0.008	0.001	0.097	<0.001	0.001	0.001	0.005	0.005				
70704	19-20	0.009	0.022	18	0.167	0.007	0.001	0.028	<0.001	0.001	<0.001	0.005	0.005				
70705	20-21	0.017	0.024	41	0.370	0.010	0.003	0.060	<0.001	0.001	0.002	0.005	0.005				
70706	21-22	0.011	0.025	20	0.162	0.012	0.001	0.028	<0.001	0.003	0.002	0.003	0.003				
70707	22-23	0.013	0.029	12	0.110	0.013	0.001	0.023	<0.001	0.003	0.002	0.004	0.004				
70708	23-24	0.104	0.348	48	1.450	0.217	0.010	0.057	0.002	0.003	0.006	0.070	0.070				
70709	24-25	0.101	0.041	53	1.330	0.016	0.008	0.068	0.002	0.003	0.004	0.085	0.085				
70727	H133	0.036	0.032	6	0.063	0.020	<0.001	0.098	<0.001	0.004	0.001	0.008	0.008				
70728	0-1	0.017	0.036	6	0.037	0.012	<0.001	0.012	<0.001	0.001	0.001	0.010	0.010				
70729	1-2	0.038	0.050	4	0.060	0.025	<0.001	0.015	<0.001	0.001	<0.001	0.011	0.011				
70729	2-3																

NO RETURN



CERTIFICATE OF ANALYSIS BR10030535

Sample Description	Method Analyte Units LOR	ME-ICP64 As2O3 %	ME-ICP64 CaO %	ME-ICP64 Cr2O3 ppm	ME-ICP64 Fe2O3 %	ME-ICP64 MgO %	ME-ICP64 MnO %	ME-ICP64 TiO2 %	ME-ICP64 V2O5 %	ME-ICP64 Ni2O %	ME-ICP64 K2O %	ME-ICP64 P2O5 %
70730	DH 135	0.023	0.038	6	0.055	0.017	<0.001	0.012	<0.001	0.001	0.001	0.007
70731	4-5	0.024	0.071	6	0.041	0.036	<0.001	0.012	<0.001	0.001	<0.001	0.006
70732	5-6	0.021	0.081	4	0.050	0.045	<0.001	0.022	<0.001	0.001	<0.001	0.005
70733	6-7	0.023	0.066	6	0.063	0.028	<0.001	0.027	<0.001	0.001	0.001	0.012
70734	7-8	0.025	0.056	6	0.057	0.017	<0.001	0.022	<0.001	0.003	<0.001	0.017
70735	8-9	0.038	0.045	7	0.104	0.020	0.001	0.017	<0.001	0.001	0.002	0.008
70736	9-10	0.036	0.050	7	0.086	0.023	<0.001	0.017	<0.001	0.001	0.001	0.007
70737	10-11	0.042	0.055	3	0.014	0.027	<0.001	0.030	<0.001	0.003	0.001	0.005
70738	11-12	0.031	0.063	3	0.016	0.033	<0.001	0.040	<0.001	0.003	0.001	0.005
70739	12-13	0.080	0.077	3	0.028	0.038	<0.001	0.035	<0.001	0.003	0.003	0.009
70740	13-14	0.082	0.049	3	0.020	0.023	<0.001	0.043	<0.001	0.003	0.004	0.006
70741	14-15	0.083	0.034	3	0.021	0.015	<0.001	0.037	<0.001	0.003	0.004	0.004
70742	15-16	0.283	0.077	4	0.028	0.035	<0.001	0.072	<0.001	0.004	0.017	0.010
70743	16-17	0.094	0.046	1	0.010	0.022	<0.001	0.057	<0.001	0.003	0.005	0.007
70759	33-34	0.047	7.47	4	0.194	2.78	0.006	0.018	0.002	0.020	0.037	0.289
70760	34-35	0.303	2.00	<1	0.040	1.225	0.008	0.015	<0.001	0.043	0.045	0.482
70761	DH 134	0.022	0.050	1	0.023	0.023	<0.001	0.037	<0.001	0.003	0.001	0.004
70762	1-2	0.040	0.133	4	0.089	0.081	0.001	0.057	<0.001	0.007	0.003	0.012
70763	2-3	0.032	0.132	6	0.083	0.070	<0.001	0.035	<0.001	0.004	0.002	0.009
70764	3-4	0.022	0.085	6	0.063	0.045	<0.001	0.018	<0.001	0.003	<0.001	0.006
70765	4-5	0.018	0.057	9	0.054	0.028	<0.001	0.022	<0.001	0.003	0.001	0.005
70766	5-6	0.016	0.087	7	0.076	0.027	<0.001	0.015	<0.001	0.001	<0.001	0.007
70767	6-7	0.020	0.086	25	0.246	0.028	0.001	0.007	<0.001	0.004	0.001	0.006
70768	7-8	0.028	0.088	23	0.247	0.045	0.001	0.017	<0.001	0.004	0.001	0.006
70769	8-9	0.010	0.038	4	0.040	0.012	<0.001	0.003	<0.001	0.004	0.001	0.006
70770	9-10	0.018	0.094	3	0.056	0.045	<0.001	0.003	<0.001	0.004	<0.001	0.006
70771	10-11	0.013	0.028	13	0.081	0.008	<0.001	0.005	<0.001	0.004	<0.001	0.004
70772	11-12	0.012	0.051	7	0.060	0.008	<0.001	0.002	<0.001	0.003	0.001	0.005
70773	12-13	0.010	0.036	4	0.041	0.012	<0.001	0.003	<0.001	0.004	0.001	0.004
70774	13-14	0.010	0.045	3	0.031	0.016	<0.001	0.002	<0.001	0.003	0.001	0.007
70775	14-15	0.013	0.031	6	0.074	0.012	<0.001	0.002	<0.001	0.003	0.001	0.004
70776	15-16	0.045	0.043	12	0.975	0.022	0.004	0.013	0.002	0.003	<0.001	0.028
70777	16-17	0.017	0.056	9	0.305	0.015	0.001	0.005	<0.001	0.001	0.001	0.009
70778	17-18	0.020	0.082	12	0.272	0.035	0.001	0.005	<0.001	0.001	0.002	0.006
70779	18-19	0.025	0.050	13	0.240	0.030	0.001	0.003	<0.001	0.003	0.001	0.007
70780	19-20	0.014	0.029	4	0.081	0.013	<0.001	0.002	<0.001	0.003	<0.001	0.003
70781	20-21	0.012	0.027	4	0.169	0.012	<0.001	0.002	<0.001	0.003	<0.001	0.010
70782	21-22	0.047	0.043	9	0.859	0.022	0.006	0.015	0.002	0.004	0.001	0.049
70783	22-23	0.175	0.078	7	1.300	0.041	0.036	0.027	0.002	0.003	0.001	0.079
70811	STX 4	0.001	1.160	<1	0.006	0.640	0.003	0.005	<0.001	0.026	0.022	0.790

0.790 Roadrock - silicified dolomite



QC CERTIFICATE OF ANALYSIS BR10030535

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 %	Na2O %	SiO2 %	V2O5 %	ZnO %	K2O %	P2O5 %	Na2O %	K2O %	P2O5 %	Na2O %
70734	0.025	0.058	6	0.057	0.017	<0.001	0.022	0.023	<0.001	0.003	<0.001	0.017	0.003	<0.001	0.006	0.003
DUP	0.024	0.057	6	0.057	0.018	<0.001	0.023	0.023	<0.001	0.003	<0.001	0.017	0.003	<0.001	0.006	0.003
Target Range - Lower Bound	0.023	0.054	5	0.054	0.015	<0.001	0.021	0.021	<0.001	0.002	<0.001	0.015	0.002	<0.001	0.005	0.002
Upper Bound	0.026	0.059	7	0.060	0.019	0.002	0.024	0.024	0.002	0.004	0.002	0.019	0.004	0.002	0.007	0.004
70739	0.010	0.038	4	0.040	0.012	<0.001	0.003	0.003	<0.001	0.004	0.001	0.006	0.004	0.001	0.006	0.004
DUP	0.011	0.039	4	0.039	0.010	<0.001	0.003	0.003	<0.001	0.003	0.001	0.006	0.003	0.001	0.006	0.003
Target Range - Lower Bound	0.009	0.036	3	0.037	0.010	<0.001	0.002	0.002	<0.001	0.002	<0.001	0.005	0.002	<0.001	0.005	0.002
Upper Bound	0.012	0.041	5	0.042	0.012	0.002	0.004	0.004	0.002	0.005	0.002	0.007	0.005	0.002	0.007	0.004
70783	0.175	0.078	7	1.300	0.041	0.036	0.027	0.027	0.002	0.003	0.001	0.079	0.003	0.001	0.079	0.003
DUP	0.172	0.078	7	1.280	0.043	0.035	0.028	0.028	0.002	0.003	0.002	0.078	0.003	0.002	0.078	0.003
Target Range - Lower Bound	0.169	0.074	6	1.245	0.040	0.033	0.026	0.026	<0.001	0.002	<0.001	0.075	0.002	<0.001	0.075	0.002
Upper Bound	0.181	0.082	8	1.335	0.044	0.038	0.028	0.028	0.003	0.004	0.002	0.082	0.004	0.002	0.082	0.004

DUPLICATES



QC CERTIFICATE OF ANALYSIS BR10030535

Sample Description	Method Analyte Units LoR	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64	
		AIPO3 %	CaO %	Cr2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	Nb2O5 %	K2O %	P2O5 %	Na2O %	K2O %	P2O5 %	Na2O %	K2O %	P2O5 %	Na2O %	K2O %	P2O5 %
STANDARDS																					
BSC5267		0.846	1.730	183	0.786	0.045	0.157	0.160	0.002	0.055	0.125	0.023									
BSC5267		0.840	1.765	151	0.789	0.043	0.159	0.160	0.002	0.054	0.121	0.024									
BSC5267		0.864	1.800	127	0.809	0.045	0.159	0.165	0.002	0.055	0.125	0.023									
Target Range - Lower Bound					0.734		0.054	0.138													
Upper Bound					0.847		0.065	0.181													
BSC318-1		0.038	0.007	1	0.013	0.002	-0.001	0.015	<0.001	0.003	0.007	0.001									
BSC318-1		0.038	0.008	<1	0.011	0.002	-0.001	0.015	<0.001	0.005	0.006	0.001									
BSC318-1		0.033	0.008	18	0.021	0.002	-0.001	0.015	<0.002	0.004	0.005	0.002									
Target Range - Lower Bound					0.001		-0.001	0.015													
Upper Bound					0.040		0.007	0.018													
BLANKS																					
BLANK		<0.002	0.001	<1	<0.001	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001									
BLANK		<0.002	<0.001	<1	<0.001	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001									
BLANK		0.001	<0.001	1	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001									
BLANK		<0.001	<0.001	3	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001									
BLANK		<0.001	<0.001	<1	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001									
BLANK		<0.001	<0.001	<1	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001									
Target Range - Lower Bound					<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001									
Upper Bound					0.002		0.002	0.002													
DUPLICATES																					
70644		0.066	0.039	10	0.400	0.068	0.001	0.002	<0.001	0.001	0.003	0.059									
DUP		0.062	0.037	10	0.382	0.001	0.001	0.002	<0.001	0.001	<0.001	0.055									
Target Range - Lower Bound					0.051		0.036	0.006	<0.001	<0.001	<0.001	0.054									
Upper Bound					0.067		0.040	0.069	0.002	0.002	0.003	0.060									
70703		0.011	0.022	28	0.192	0.068	0.001	0.097	<0.001	0.001	0.001	0.005									
DUP		0.011	0.022	20	0.184	0.001	0.001	0.102	<0.001	0.001	0.002	0.005									
Target Range - Lower Bound					0.010		0.020	0.095	<0.001	<0.001	<0.001	0.004									
Upper Bound					0.012		0.024	0.104	0.002	0.002	0.002	0.006									

APPENDIX 4

ASSAY RESULTS

RC DRILL HOLE ROCK CHIPS

Sample Description	Method Analyte Units LOR	ME-ICP84 As2O3 %	ME-ICP84 CrO3 ppm	ME-ICP84 CaO %	ME-ICP84 MgO %	ME-ICP84 MnO %	ME-ICP84 TiO2 %	ME-ICP84 V2O5 %	ME-ICP84 Na2O %	ME-ICP84 K2O %	ME-ICP84 P2O5 %	Notes
70841AR	DH 131 6-7	0.021	0.031	0.031	0.010	<0.001	<0.001	<0.001	0.005	0.001	0.008	Sil. rock frags; grey, white; minor or yellow; fine stain
70842R	7-8	0.017	0.042	3	0.053	<0.001	<0.001	<0.001	0.008	<0.001	0.015	0.015 Sil. rock frags; white; minor or yellow; stain
70847R	12-13	0.023	0.031	6	0.079	<0.001	0.007	<0.001	0.023	0.001	0.015	Washy; dr. yellow stain; some white
70857R	22-23	0.125	0.024	12	0.074	<0.001	0.012	<0.001	0.016	0.007	0.013	as above
70860R	26-27	0.059	0.025	4	0.083	<0.001	0.002	<0.001	0.016	<0.001	0.020	as above
70874R	39-40	0.113	0.081	4	0.113	<0.001	0.002	<0.001	0.031	0.005	0.068	sil. rock frags; white; some sil. stain; some grey
70878R	41-42	0.435	0.006	6	0.019	<0.001	0.002	<0.001	0.116	0.002	0.042	as above
70881R	45-47	0.043	0.053	3	0.037	<0.001	0.012	<0.001	0.038	0.001	0.008	as above
70888R	1-2	0.008	0.015	6	0.009	<0.001	0.123	<0.001	0.005	<0.001	0.004	as above
70898R	8-10	0.006	0.010	7	0.007	<0.001	0.092	<0.001	0.004	<0.001	0.002	Sil. rock frags; white; sparse grey
70898R	11-12	0.006	0.013	10	0.013	<0.001	0.070	<0.001	0.004	0.001	0.005	as above
70702R	17-18	0.006	0.011	6	0.013	<0.001	0.070	<0.001	0.005	0.001	0.003	as above
70704R	19-20	0.006	0.010	12	0.164	<0.001	0.028	<0.001	0.005	0.001	0.002	Silica rock frags; white; some grey
70708R	21-22	0.008	0.013	3	0.010	<0.001	0.062	<0.001	0.008	<0.001	0.003	as above
70707R	23-25	0.013	0.014	6	0.081	<0.001	0.062	<0.001	0.009	<0.001	0.004	Sil. rock frags; white; buff + pale red br.
70711R	26-27	0.421	0.027	12	0.224	<0.001	0.003	0.001	0.018	0.004	0.078	as above
70719R	34-35	0.703	0.025	4	0.182	<0.001	<0.001	0.001	0.019	0.001	0.062	as above
70723R	38-39	0.096	0.028	4	0.010	<0.001	<0.001	<0.001	0.009	0.001	0.018	Sil. rock frags; white grey
70724R	40-41	0.084	0.024	3	0.014	<0.001	<0.001	<0.001	0.018	<0.001	0.010	as above
70725R	42-43	0.163	0.034	4	0.020	<0.001	<0.001	<0.001	0.013	<0.001	0.008	as above
70735R	5-6	0.019	0.053	4	0.059	<0.001	0.110	<0.001	0.054	<0.001	0.008	Sil. rock frags; white to some grey
70738R	7-8	0.017	0.046	1	0.007	<0.001	0.042	<0.001	0.028	<0.001	0.007	as above
70734R	9-10	0.008	0.011	4	0.008	<0.001	0.085	<0.001	0.018	<0.001	0.001	as above
70748R	22-23	0.051	0.154	7	0.030	<0.001	0.010	<0.001	0.025	0.004	0.032	as above
70750R	23-24	0.180	0.118	4	0.088	<0.001	0.003	<0.001	0.035	0.002	0.050	Sil. rock frags; buff + pale red br.
70760R	34-35	0.009	0.777	3	0.088	<0.001	0.012	<0.001	0.032	0.033	0.183	as above
70761R	0-1	0.011	0.027	3	0.010	<0.001	0.048	<0.001	0.007	<0.001	0.005	Sil. rock frags; white; some grey
70768R	2-3	0.008	0.038	15	0.017	<0.001	0.083	<0.001	0.008	0.001	0.007	as above
70765R	4-5	0.008	0.021	1	0.017	<0.001	0.030	<0.001	0.008	<0.001	0.002	as above
70767R	6-7	0.008	0.169	4	0.014	<0.001	0.005	<0.001	0.007	0.001	0.094	as above
70769R	8-9	0.008	0.045	4	0.013	<0.001	0.005	<0.001	0.007	0.001	0.020	as above
70771R	10-11	0.008	0.032	3	0.010	<0.001	0.003	<0.001	0.007	0.001	0.012	Sil. rock frags; white; some grey
70772R	11-12	0.008	0.021	3	0.007	<0.001	0.002	<0.001	0.007	<0.001	0.006	as above
70774R	13-14	0.008	0.042	1	0.007	<0.001	0.002	<0.001	0.007	0.001	0.015	as above
70775R	14-15	0.011	0.014	1	0.040	<0.001	0.002	<0.001	0.005	0.001	0.002	as above
70777R	16-17	0.009	0.014	3	0.089	<0.001	0.003	<0.001	0.007	<0.001	0.004	Sil. rock frags; buff + pale red br.
70779R	18-19	0.008	0.010	<1	0.014	<0.001	0.002	<0.001	0.007	0.001	0.001	Sil. rock frags; buff + pale red br.
70780R	19-20	0.008	0.018	<1	0.017	<0.001	0.002	<0.001	0.005	<0.001	0.002	as above



Project: Silica Sands

CERTIFICATE OF ANALYSIS BR10071214

Sample Description	Method Analyte Units LOR	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64	
		Al2O3 %	CaO %	Cr2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	Na2O %	K2O %	P2O5 %	0.001	0.001	0.001
70798R	34 134 32 - 334	0.032	0.104	1	0.134	0.056	0.001	0.008	<0.001	0.009	0.004	0.011	0.004	0.004	0.001
70797R	36 - 374	0.130	0.038	6	0.275	0.017	0.004	0.008	0.001	0.028	0.002	0.042	0.002	0.002	0.001
70809R	48 - 49	0.030	0.042	1	0.081	0.008	<0.001	0.003	<0.001	0.009	0.002	0.012	0.009	0.002	0.001
70810R	49 - 50	0.015	0.021	1	0.009	0.003	<0.001	0.013	<0.001	0.008	0.001	0.005	0.008	0.001	0.001

0.011 silt, rock; or, k-stained, mainly white frags
 0.042
 0.012 silt, rock - (lean-stain texture); some grey silt/rock
 0.005 silt, rock frags; mixed white + grey, c/c, dark areas



Project: Silica Sands

QC CERTIFICATE OF ANALYSIS BR10071214

Sample Description	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		
	Al2O3 %	CaO %	CaCO3 ppm	Fe2O3 %	MnO %	MgO %	TiO2 %	V2O5 %	Na2O %	K2O %	P2O5 %	SiO2 %	SiO2 %	SiO2 %	SiO2 %	SiO2 %	SiO2 %	SiO2 %	
BCS267	0.667	1.610	186	0.781	0.036	0.146	0.155	0.001	0.054	0.122	0.021	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
BCS267	0.805	1.765	167	0.813	0.043	0.172	0.158	0.001	0.055	0.125	0.022	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Target Range - Lower Bound	0.789	1.625		0.734	0.054	0.138	0.157		0.065	0.121									
Upper Bound	0.911	1.875		0.847	0.065	0.161	0.183		0.068	0.142									
BSC313-1	0.038	0.017	3	0.017	0.008	<0.001	0.013	<0.001	0.005	0.006	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BSC313-1	0.036	0.007	1	0.016	0.002	<0.001	0.013	<0.001	0.005	0.005	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Target Range - Lower Bound	0.033	0.005	<1	0.010	<0.001	<0.001	0.015	<0.001	0.002	0.003	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Upper Bound	0.040	0.007	2	0.014	0.002	0.002	0.018	0.001	0.004	0.006	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
BLANK	<0.002	<0.001	1	0.003	<0.002	<0.001	<0.002	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BLANK	<0.002	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<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	<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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70686R	0.008	0.015	6	0.009	0.005	<0.001	0.123	<0.001	0.005	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DUP	0.008	0.018	3	0.007	0.005	<0.001	0.132	<0.001	0.005	0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Target Range - Lower Bound	0.005	0.015	3	0.007	0.004	<0.001	0.122	<0.001	0.004	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Upper Bound	0.007	0.018	6	0.009	0.006	0.002	0.133	0.002	0.006	0.002	0.006	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70765R	0.005	0.038	15	0.017	0.007	<0.001	0.063	<0.001	0.008	0.001	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DUP	0.005	0.036	3	0.010	0.007	<0.001	0.065	<0.001	0.008	0.001	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Target Range - Lower Bound	0.008	0.035	8	0.012	0.006	<0.001	0.061	<0.001	0.007	<0.001	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Upper Bound	0.010	0.039	10	0.015	0.008	0.002	0.067	0.002	0.009	0.002	0.008	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70810R	0.015	0.021	1	0.009	0.003	<0.001	0.013	<0.001	0.008	0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DUP	0.013	0.021	<1	0.010	0.005	<0.001	0.013	<0.001	0.008	0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Target Range - Lower Bound	0.013	0.019	<1	0.008	0.003	<0.001	0.012	<0.001	0.007	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Upper Bound	0.015	0.023	2	0.011	0.005	0.002	0.014	0.002	0.009	0.002	0.006	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

STANDARDS

BLANKS

DUPLICATES



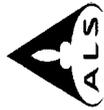
APPENDIX 5

SUPPLEMENTARY ASSAYS – P205

DRILL HOLES 111 - 130

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 EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 St Albans
 Brisbane QLD 4063
 Phone +61 (7) 3243 7222 Fax +61 (7) 3243 7218 www.alschemex.com



CERTIFICATE OF ANALYSIS BR06053089

Sample Description	Method Analyte Units LOR	ME-ICP84 As2O3 %	ME-ICP84 CdO %	ME-ICP84 Cr2O3 ppm	ME-ICP84 Fe2O3 %	ME-ICP84 K2O %	ME-ICP84 MgO %	ME-ICP84 NiO %	ME-ICP84 Na2O %	ME-ICP84 TiO2 %	ME-ICP84 V2O5 %	ME-ICP84 P2O5 %
170440	3-114 3-9	0.022	0.018	3	0.110	0.001	0.010	0.003	0.003	0.005	<0.001	0.002
170441	8-9	0.020	0.025	5	0.087	<0.001	0.010	0.001	0.003	0.005	<0.001	0.005
170442	4-10	0.068	0.025	1	0.025	<0.001	0.009	<0.001	0.003	0.002	<0.001	0.002
170443	10-11	0.009	0.017	4	0.084	<0.001	0.008	0.001	0.003	0.002	<0.001	0.001
170444	1-12	0.007	0.008	4	0.080	0.001	0.005	0.001	0.003	0.004	<0.001	<0.001
170445	13-15	0.008	0.015	2	0.050	<0.001	0.008	<0.001	0.003	0.012	<0.001	<0.001
170446	13-14	0.010	0.021	1	0.019	0.001	0.010	<0.001	0.003	0.016	<0.001	0.001
170447	14-15	0.015	0.020	1	0.038	<0.001	0.009	<0.001	0.003	0.016	<0.001	0.004
170448	15-16	0.011	0.032	7	0.058	0.002	0.008	<0.001	0.004	0.056	<0.001	0.215
170449	16-17	0.380	0.022	4	0.041	0.001	0.007	<0.001	0.003	0.068	<0.001	0.130
170450	0-1	0.018	0.010	1	0.016	0.001	0.005	<0.001	0.003	0.035	<0.001	0.002
170451	2-2	0.017	0.017	2	0.016	0.001	0.008	<0.001	0.003	0.069	<0.001	0.001
170452	3-3	0.014	0.019	1	0.016	0.001	0.010	<0.001	0.003	0.061	<0.001	0.001
170453	4-5	0.005	0.039	3	0.042	0.003	0.021	0.001	0.004	0.078	<0.001	0.002
170454	5-6	0.012	0.014	1	0.009	<0.001	0.007	<0.001	0.003	0.035	<0.001	<0.001
170455	6-7	0.012	0.018	2	0.010	<0.001	0.009	<0.001	0.003	0.032	<0.001	<0.001
170456	7-8	0.024	0.021	1	0.010	<0.001	0.011	<0.001	0.003	0.045	<0.001	<0.001
170457	8-9	0.027	0.039	1	0.025	0.001	0.020	<0.001	0.003	0.086	<0.001	0.003
170458	9-10	0.027	0.054	1	0.025	0.003	0.027	<0.001	0.003	0.080	<0.001	0.003
170459	10-11	0.023	0.042	1	0.021	0.001	0.021	<0.001	0.003	0.059	<0.001	0.003
170460	10-11	0.021	0.043	1	0.020	0.001	0.022	<0.001	0.003	0.057	<0.001	0.001
170461	Color sample	0.058	0.028	4	0.101	0.007	0.015	0.001	0.007	0.074	<0.001	0.004
170462	0-1	0.024	0.015	1	0.018	0.001	0.007	<0.001	0.003	0.054	<0.001	<0.001
170463	1-3	0.025	0.017	1	0.024	0.002	0.007	<0.001	0.003	0.048	<0.001	0.001
170464	2-3	0.027	0.017	1	0.023	0.001	0.007	<0.001	0.003	0.046	<0.001	0.003
170465	3-4	0.019	0.013	<1	0.016	0.001	0.005	<0.001	0.003	0.030	<0.001	0.001
170466	4-5	0.017	0.015	<1	0.012	0.001	0.006	<0.001	0.003	0.059	<0.001	0.002
170467	5-6	0.020	0.015	<1	0.024	<0.001	0.007	<0.001	0.003	0.047	<0.001	0.003
170468	6-7	0.022	0.014	<1	0.015	0.001	0.006	<0.001	0.003	0.038	<0.001	<0.001
170469	Color sample	0.044	0.023	2	0.068	0.004	0.010	0.001	0.005	0.039	<0.001	0.003
170470	1-2	0.023	0.025	1	0.009	0.001	0.011	<0.001	0.003	0.081	<0.001	0.002
170471	3-4	0.099	0.023	2	0.010	0.004	0.010	<0.001	0.002	0.111	<0.001	0.016
170472	0-1	0.036	0.022	2	0.026	0.001	0.010	<0.001	0.004	0.088	<0.001	0.008
170473	1-2	0.038	0.020	2	0.021	0.002	0.009	<0.001	0.004	0.102	<0.001	0.004
170474	2-3	0.031	0.013	1	0.014	0.001	0.006	<0.001	0.003	0.107	<0.001	0.004
170475	3-4	0.025	0.015	1	0.011	0.001	0.007	<0.001	0.003	0.078	<0.001	0.002
170476	4-5	0.052	0.016	1	0.013	0.001	0.001	<0.001	0.003	0.073	<0.001	0.013
170477	5-6	0.025	0.012	<1	0.005	0.002	0.005	<0.001	0.002	0.066	<0.001	0.002
170478	6-7	0.016	0.012	<1	0.005	<0.001	0.005	<0.001	0.002	0.086	<0.001	0.002
170479	7-8	0.047	0.031	2	0.024	0.001	0.014	<0.001	0.003	0.114	<0.001	0.007

Comments: This is an amended report. Note addition of P2O5 results as subsequently requested.

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Australian Laboratory Services Pty. Ltd.
 32 Sheild Street
 Stirling
 Brisbane QLD 4059
 Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com



CERTIFICATE OF ANALYSIS BR06053089

Sample Description	Method Analyte Units LOR	ME-ICP64 ALCO %	ME-ICP64 Cd %	ME-ICP64 CrCO3 ppm	ME-ICP64 FeCO3 %	ME-ICP64 ZnO %	ME-ICP64 MnO %	ME-ICP64 TiO2 %	ME-ICP64 V2O5 %	ME-ICP64 P2O5 %
70480	SH 118 8-9-w	0.019	0.018	<1	0.008	<0.001	0.008	0.074	<0.001	0.002
70481	9-10	0.037	0.028	<1	0.008	0.001	0.017	0.049	<0.001	0.004
70482	10-11	0.024	0.028	<1	0.009	<0.001	0.012	0.015	<0.001	0.006
70483	11-12	0.026	0.049	1	0.043	0.001	0.024	0.030	<0.001	0.007
70484	12-13	0.021	0.059	<1	0.031	<0.001	0.022	0.021	<0.001	0.006
70485	13-14	0.020	0.039	<1	0.013	0.001	0.018	0.036	<0.001	0.004
70486	14-15	0.025	0.052	<1	0.032	0.001	0.026	0.013	<0.001	0.006
70487	15-16	0.028	0.038	<1	0.038	0.002	0.021	0.036	<0.001	0.005
70488	SH 119 0-1-w	0.024	0.037	<1	0.014	0.001	0.015	0.029	<0.001	0.007
70489	2-3	0.018	0.031	<1	0.017	<0.001	0.001	0.014	<0.001	0.005
70490	3-4	0.014	0.036	<1	0.013	0.001	0.014	0.007	<0.001	0.003
70491	4-5	0.019	0.045	<1	0.025	<0.001	0.020	0.062	<0.001	0.003
70492	5-6	0.030	0.054	2	0.04	0.001	0.021	0.062	<0.001	0.011
70493	SH 119 A 0-1-w	0.022	0.027	<1	0.014	0.001	0.012	0.050	<0.001	0.002
70494	1-2	0.022	0.031	<1	0.008	<0.001	0.013	0.014	<0.001	0.005
70495	2-3	0.015	0.033	<1	0.009	0.001	0.015	0.015	<0.001	0.004
70496	3-4	0.019	0.038	<1	0.006	<0.001	0.017	0.012	<0.001	0.003
70497	4-5	0.019	0.059	<1	0.008	0.001	0.028	0.012	<0.001	0.004
70498	5-6	0.027	0.106	<1	0.013	<0.001	0.035	0.015	<0.001	0.008
70499	6-7	0.023	0.084	<1	0.012	0.001	0.029	0.018	<0.001	0.007
70500	7-8	0.028	0.070	<1	0.014	0.001	0.036	0.040	<0.001	0.004
70501	8-9	0.030	0.046	<1	0.018	0.001	0.023	0.027	<0.001	0.004
70502	9-10	0.024	0.033	<1	0.012	0.001	0.014	0.025	<0.001	0.005
70503	10-11	0.026	0.063	1	0.025	0.001	0.029	0.041	<0.001	0.004
70504	SH 120 0-1-w	0.022	0.016	1	0.022	0.002	0.008	0.142	<0.001	0.003
70505	1-2	0.020	0.020	1	0.017	0.001	0.008	0.084	<0.001	<0.001
70506	2-3	0.014	0.016	1	0.013	<0.001	0.006	0.084	<0.001	0.001
70507	3-4	0.015	0.013	1	0.014	0.001	0.005	0.070	<0.001	<0.001
70508	4-5	0.010	0.010	1	0.010	0.001	0.005	0.060	<0.001	<0.001
70509	5-6	0.017	0.015	1	0.016	0.001	0.007	0.050	<0.001	0.002
70510	6-7	0.012	0.020	1	0.012	0.001	0.009	0.047	<0.001	<0.001
70511	7-8	0.010	0.011	<1	0.009	0.001	0.005	0.028	<0.001	0.001
70512	8-9	0.019	0.032	2	0.019	0.001	0.015	0.093	<0.001	0.002
70513	9-10	0.021	0.037	1	0.014	<0.001	0.001	0.081	<0.001	0.002
70514	SH 121 1-2-w	0.018	0.017	1	0.013	0.002	0.007	0.061	<0.001	0.002
70515	2-3	0.016	0.025	2	0.012	0.001	0.012	0.053	<0.001	0.002
70516	3-4	0.017	0.022	1	0.012	<0.001	0.010	0.062	<0.001	0.002
70517	4-5	0.013	0.012	1	0.010	<0.001	0.006	0.046	<0.001	<0.001
70518	SH 122 1-2	0.016	0.008	1	0.014	<0.001	0.003	0.063	<0.001	<0.001
70519	2-3	0.019	0.011	1	0.017	<0.001	0.004	0.072	<0.001	0.002

Comments: This is an amended report. Note addition of P2O5 results as subsequently requested.

CERTIFICATE OF ANALYSIS BR06053089

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Australian Laboratory Services Pty. Ltd.
 32 Sheard Street
 St Leonards
 Brisbane QLD 4055
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Sample Description	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64	
	Al2O3 %	CaO %	Cl/CO3 ppm	Fe2O3 %	P2O5 %	MgO %	MnO %	Ni2O %	TiO2 %	V2O5 %	P2O5 %	As %	Se %	Te %	Bi %	Pb %	Mo %	Ag %
70520 3-4w	0.015	0.012	2	0.020	<0.001	0.005	<0.001	0.003	0.157	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70521 4-5	0.028	0.025	2	0.035	0.002	0.008	<0.001	0.003	0.203	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70522 1-2w	0.028	0.012	<1	0.008	<0.001	0.005	<0.001	0.001	0.041	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70523 2-3	0.013	0.020	<1	0.012	<0.001	0.005	<0.001	0.001	0.014	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70524 3-4	0.011	0.022	<1	0.018	<0.001	0.003	<0.001	0.001	0.016	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70525 4-5	0.007	0.026	<1	0.010	<0.001	0.009	<0.001	0.002	0.016	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70526 5-6	0.008	0.021	<1	0.012	<0.001	0.009	<0.001	0.002	0.04	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70527 6-7	0.007	0.021	<1	0.011	<0.001	0.004	<0.001	0.002	0.04	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70528 7-8	0.012	0.021	<1	0.010	<0.001	0.005	<0.001	0.001	0.035	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70529 8-9	0.010	0.006	1	0.016	<0.001	0.003	<0.001	0.002	0.067	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70530 10-11	0.014	0.013	2	0.008	<0.001	0.005	<0.001	0.002	0.060	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70531 10-11	0.007	0.017	<1	0.012	<0.001	0.007	<0.001	0.001	0.035	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70532 11-12	0.010	0.022	2	0.029	0.001	0.008	<0.001	0.002	0.029	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70533 12-13	0.012	0.017	2	0.077	0.001	0.006	0.001	0.002	0.048	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70534 13-14	0.010	0.033	<1	0.022	0.001	0.009	<0.001	0.002	0.031	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70535 14-15	0.007	0.034	<1	0.009	<0.001	0.007	<0.001	0.001	0.016	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70536 15-16	0.007	0.024	2	0.031	0.001	0.006	<0.001	0.002	0.042	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70537 16-17	1.005	0.022	7	0.720	0.123	0.346	<0.001	0.004	0.180	0.003	0.022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70538 17-18	3.18	0.023	25	1.995	0.331	0.114	0.001	0.008	0.338	0.006	0.079	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70539 18-19	1.345	0.022	9	0.490	0.196	0.052	<0.001	0.004	0.116	0.002	0.018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70540 19-20	0.468	0.021	3	0.187	0.040	0.018	<0.001	0.003	0.041	0.001	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70541 20-21	0.036	0.030	3	0.108	0.001	0.010	0.002	0.003	0.041	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70542 21-22	0.060	0.019	1	0.035	0.004	0.010	<0.001	0.003	0.041	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70543 22-23	0.040	0.014	1	0.031	0.003	0.007	<0.001	0.002	0.046	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
70544 23-24	0.018	0.020	2	0.044	<0.001	0.008	<0.001	0.003	0.119	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
EXTRACTOR 2-3w	0.027	0.021	1	0.014	0.002	0.009	<0.001	0.004	0.096	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Comments: This is an amended report. Note addition of P2O5 results as subsequently requested.

CERTIFICATE OF ANALYSIS BR07025438

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



Sample Description	Method Analyte Units LOR	ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS				
		As2O3 %	CaO %	Cl2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	WGO %	H2O %	P2O5 %	As2O3 %	CaO %	Cl2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	WGO %	H2O %	P2O5 %	
70546	3-12	0.057	0.017	3	0.073	0.005	0.001	0.045	-0.001	0.004	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
70547	2-3	0.119	0.057	3	0.112	0.040	0.001	0.043	-0.001	0.013	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
70548	3-4	0.059	0.029	1	0.051	0.013	-0.001	0.037	-0.001	0.005	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
70549	4-5	0.123	0.035	1	0.054	0.017	0.054	0.043	-0.001	0.007	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70550	5-6	0.123	0.046	4	0.132	0.030	0.001	0.035	-0.001	0.011	0.008	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
70551	6-7	0.085	0.102	3	0.084	0.051	-0.001	0.062	-0.001	0.004	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
70552	7-8	0.151	0.056	4	0.136	0.028	0.001	0.097	-0.001	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
70553	8-9	0.086	0.035	3	0.079	0.013	-0.001	0.133	-0.001	0.003	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
70554	9-10	0.086	0.035	3	0.106	0.012	-0.001	0.062	-0.001	0.003	0.002	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
70555	10-11	0.025	0.024	3	0.076	0.005	-0.001	0.088	-0.001	0.001	0.001	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
70556	11-12	0.042	0.052	6	0.103	0.020	0.001	0.150	0.001	0.003	0.001	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
70557	12-13	0.042	0.046	6	0.169	0.017	0.001	0.118	0.001	0.003	0.001	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
70558	13-14	0.042	0.042	4	0.159	0.017	0.001	0.058	-0.001	0.003	0.002	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
70559	14-15	0.556	0.042	10	0.656	0.028	0.001	0.117	0.003	0.005	0.002	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
70564	16-17	0.028	0.017	1	0.043	0.005	-0.001	0.028	-0.001	0.003	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70565	1-2	0.019	0.017	1	0.036	0.002	-0.001	0.015	-0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70566	2-3	0.015	0.014	<1	0.031	0.002	-0.001	0.013	-0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70567	3-4	0.013	0.013	1	0.034	0.003	-0.001	0.010	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70568	4-5	0.015	0.009	1	0.036	0.002	-0.001	0.005	-0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70569	5-6	0.017	0.010	1	0.049	0.002	-0.001	0.012	-0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70570	6-7	0.023	0.011	1	0.023	0.002	-0.001	0.025	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70571	7-8	0.017	0.014	1	0.050	0.002	-0.001	0.019	-0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70572	8-9	0.017	0.011	1	0.033	0.002	-0.001	0.017	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70573	9-10	0.009	0.009	1	0.024	0.002	-0.001	0.016	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70574	10-11	0.015	0.009	1	0.046	0.003	-0.001	0.015	-0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70575	11-12	0.019	0.015	1	0.032	0.005	-0.001	0.013	-0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70576	12-13	0.015	0.013	1	0.028	0.003	-0.001	0.013	-0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
70577	13-14	0.011	0.019	1	0.048	0.003	-0.001	0.018	-0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
70578	14-15	0.009	0.020	1	0.048	0.003	-0.001	0.015	-0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
70579	15-16	0.015	0.021	1	0.073	0.003	-0.001	0.038	-0.001	0.001	0.001	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
70580	16-17	0.015	0.042	1	0.054	0.003	-0.001	0.013	-0.001	0.001	0.001	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
70581	17-18	0.015	0.030	1	0.069	0.005	-0.001	0.010	-0.001	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
70582	18-19	0.013	0.020	3	0.080	0.002	-0.001	0.040	-0.001	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
70583	19-20	0.013	0.050	4	0.073	0.003	-0.001	0.025	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70584	20-21	0.026	0.023	3	0.034	0.010	-0.001	0.020	-0.001	0.003	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
70585	21-22	0.022	0.020	3	0.021	0.007	-0.001	0.013	-0.001	0.003	0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
70586	22-23	0.025	0.015	1	0.030	0.003	-0.001	0.010	-0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
70587	23-24	0.025	0.020	3	0.034	0.005	-0.001	0.013	-0.001	0.001	0.001	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
70588	24-25	0.023	0.023	3	0.044	0.005	-0.001	0.007	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
70589	25-26	0.021	0.018	<1	0.024	0.003	-0.001	0.010	-0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Comments: This is an amended report. Note addition of P2O5 results as subsequently requested.

CERTIFICATE OF ANALYSIS BR07025438

ALS Chemex
 EXCELLENCE IN ANALYTICAL CHEMISTRY

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



Sample Description	Method Analyte Units LOR	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64	
		AzO3	%	CaO	%	Cr2O3	ppm	Fe2O3	%	MgO	%	MnO	%	TiO2	%	V2O5	%	ZnO	%	P2O5	%
DH 127	6-7-M	0.021	0.024			1	0.029	0.005	<0.001	0.001	0.001	0.001	0.010	<0.001	0.001	0.001	0.001	0.001	0.006	0.004	
	7-8-M	0.021	0.021	1	0.048	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.003	0.003	
	8-9	0.023	0.021	3	0.087	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.012	<0.001	0.001	0.001	0.001	0.001	0.003	0.003	
	9-10	0.023	0.016	1	0.074	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.015	<0.001	0.001	0.001	0.001	0.001	0.004	0.004	
DH 128	10-11	0.013	0.017	1	0.029	1	0.009	0.007	<0.001	0.001	0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.002	0.002	
	11-12	0.009	0.016	1	0.073	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.017	<0.001	0.001	0.001	0.001	0.001	0.005	0.005	
	13-14	0.019	0.011	1	0.027	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.002	0.002	
	14-15	0.013	0.015	1	0.021	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.003	0.003	
DH 129	15-16	0.013	0.013	1	0.019	1	0.003	0.003	<0.001	0.001	0.001	0.001	0.012	<0.001	0.001	0.001	0.001	0.001	0.002	0.002	
	16-17	0.009	0.011	1	0.040	1	0.003	<0.001	0.001	0.001	0.001	0.003	0.015	<0.001	0.001	0.001	0.001	0.001	0.003	0.003	
	17-18	0.008	0.014	1	0.047	1	0.003	<0.001	0.001	0.001	0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.003	0.003	
	18-19	0.015	0.009	1	0.041	1	0.003	<0.001	0.001	0.001	0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.003	0.003	
DH 130	19-20	0.015	0.011	3	0.164	3	0.003	0.003	<0.001	0.001	0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.001	0.002	0.002	
	2-3	0.028	0.018	6	0.087	6	0.007	0.007	0.001	0.001	0.001	0.001	0.082	<0.001	0.001	0.001	0.001	0.001	0.002	0.002	
	3-4	0.015	0.021	4	0.046	4	0.007	0.007	<0.001	0.001	0.001	0.001	0.055	<0.001	0.001	0.001	0.001	0.004	0.004		
	4-5	0.008	0.025	1	0.091	1	0.005	<0.001	0.001	0.001	0.001	0.001	0.022	<0.001	0.001	0.001	0.001	0.006	0.006		
DH 129	5-6	0.009	0.024	3	0.099	3	0.007	0.007	<0.001	0.001	0.001	0.001	0.058	<0.001	0.001	0.001	0.001	0.003	0.003		
	6-7	0.004	0.023	3	0.081	3	0.003	0.003	<0.001	0.001	0.001	0.001	0.058	<0.001	0.001	0.001	0.001	0.007	0.007		
	7-8	0.042	0.024	4	0.383	4	0.002	0.002	0.002	0.002	0.002	0.002	0.059	0.001	0.001	0.001	0.001	0.008	0.008		
	10-11	0.009	0.025	4	0.086	4	0.005	<0.001	0.001	0.001	0.001	0.001	0.057	<0.001	0.001	0.001	0.001	0.002	0.002		
DH 129	11-12	0.011	0.021	12	0.219	12	0.005	0.005	0.002	0.002	0.002	0.002	0.007	<0.001	0.001	0.001	0.001	0.003	0.003		
	1-2	0.023	0.013	3	0.041	3	0.005	<0.001	0.001	0.001	0.001	0.001	0.052	<0.001	0.001	0.001	0.001	0.003	0.003		
	2-3	0.013	0.011	3	0.020	3	0.003	<0.001	0.001	0.001	0.001	0.001	0.033	<0.001	0.001	0.001	0.001	0.003	0.003		
	3-4	0.013	0.011	3	0.020	3	0.003	<0.001	0.001	0.001	0.001	0.001	0.033	<0.001	0.001	0.001	0.001	0.003	0.003		
DH 130	0-1-M	0.060	0.020	6	0.024	6	0.007	0.007	<0.001	0.001	0.001	0.001	0.033	<0.001	0.001	0.001	0.001	0.004	0.004		
	1-2	0.025	0.014	1	0.059	1	0.007	0.007	<0.001	0.001	0.001	0.001	0.008	<0.001	0.001	0.001	0.001	0.003	0.003		
	2-3	0.019	0.020	1	0.019	1	0.008	0.008	<0.001	0.001	0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.003	0.003		
	3-4	0.015	0.028	1	0.019	1	0.006	0.006	<0.001	0.001	0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.004	0.004		
DH 130	4-5	0.008	0.017	1	0.011	1	0.007	0.007	<0.001	0.001	0.001	0.001	0.003	<0.001	0.001	0.001	0.001	0.003	0.003		
	5-6	0.009	0.014	1	0.007	1	0.007	0.007	<0.001	0.001	0.001	0.001	0.002	<0.001	0.001	0.001	0.001	0.002	0.002		
	6-7	0.011	0.019	<1	0.009	1	0.010	0.010	<0.001	0.001	0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.002	0.002		
	7-8	0.011	0.018	1	0.018	1	0.009	0.009	<0.001	0.001	0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.002	0.002		
DH 130	8-9	0.013	0.014	4	0.013	4	0.007	0.007	<0.001	0.001	0.001	0.001	0.007	<0.001	0.001	0.001	0.001	0.003	0.003		
	9-10	0.011	0.019	3	0.010	3	0.008	0.008	<0.001	0.001	0.001	0.001	0.005	<0.001	0.001	0.001	0.001	0.004	0.004		
	10-11	0.015	0.030	1	0.010	1	0.007	0.007	<0.001	0.001	0.001	0.001	0.002	<0.001	0.001	0.001	0.001	0.004	0.004		
	11-12	0.011	0.031	1	0.016	1	0.015	0.015	<0.001	0.001	0.001	0.001	0.013	<0.001	0.001	0.001	0.001	0.002	0.002		
DH 130	12-13	0.011	0.022	1	0.031	1	0.031	0.031	<0.001	0.001	0.001	0.001	0.023	<0.001	0.001	0.001	0.001	0.001	0.002	0.002	
	13-14	0.015	0.033	1	0.031	1	0.031	0.031	<0.001	0.001	0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.004	0.004	
	14-15	0.015	0.033	1	0.031	1	0.031	0.031	<0.001	0.001	0.001	0.001	0.018	<0.001	0.001	0.001	0.001	0.001	0.004	0.004	

Comments: This is an amended report. Note addition of P2O5 results as subsequently requested.

APPENDIX 6

SUPPLEMENTARY ASSAYS – Li

SAND SAMPLES



Project: Silica sands + Li

CERTIFICATE OF ANALYSIS BR10090544

Sample Description	ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-ICP84		ME-CON02				
	Al2O3 %	CrO %	Cr2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	Nb2O5 %	K2O %	P2O5 %	Li ppm	Cr2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	Nb2O5 %	K2O %	P2O5 %	Li ppm	
MHM001	0.009	0.008	1	0.001	0.003	<0.001	0.003	<0.001	0.001	<0.001	<0.001	2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MHM002	0.011	0.008	<1	0.001	0.003	<0.001	0.003	<0.001	0.001	<0.001	<0.001	2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MHM003	0.010	0.006	4	0.004	0.003	<0.001	0.003	<0.001	0.001	<0.001	<0.001	2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MHM006	0.013	0.010	<1	0.001	0.005	<0.001	0.005	<0.001	0.003	<0.001	<0.001	3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B401	0.012	0.027	<1	0.004	0.007	<0.001	0.008	<0.001	0.003	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B402	0.008	0.027	<1	0.003	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B403	0.009	0.026	<1	0.004	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B404	0.004	0.027	<1	0.001	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B405	0.006	0.026	<1	0.004	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B406	0.006	0.024	<1	0.004	0.005	<0.001	0.008	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B407	0.005	0.026	<1	0.004	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B408	0.007	0.024	<1	0.003	0.005	<0.001	0.008	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B409	0.004	0.023	<1	0.003	0.005	<0.001	0.008	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B410	0.004	0.022	<1	0.005	0.005	<0.001	0.008	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B411	0.008	0.024	<1	0.006	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B412	0.009	0.024	<1	0.003	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B413	0.004	0.025	<1	0.001	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B414	0.005	0.025	<1	0.003	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B415	0.008	0.025	<1	0.001	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B416	0.005	0.024	<1	0.003	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B417	0.003	0.024	<1	0.001	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B418	0.005	0.023	<1	0.001	0.005	<0.001	0.008	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B419	0.005	0.024	<1	0.001	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
101B420	0.006	0.022	<1	0.001	0.005	<0.001	0.007	<0.001	0.001	<0.001	<0.001	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Comments: Li by ME-CON02 on ICPMS added.



Project: Silica sands + Li

QC CERTIFICATE OF ANALYSIS BR10090544

Sample Description	Method Units LOR	ME-ICP64										
		Al2O3 %	CaO %	Cr2O3 ppm	Fe2O3 %	MgO %	MnO %	TiO2 %	V2O5 %	Na2O %	K2O %	P2O5 %
STANDARDS												
BCS267		0.714	1.525	130	0.762	0.038	0.152	0.148	0.001	0.049	0.110	0.021
Target Range - Lower Bound		0.789	1.825		0.734	0.054	0.138	0.157		0.055	0.121	
Upper Bound		0.911	1.875		0.847	0.065	0.161	0.183		0.065	0.142	
BSC313-1		0.037	0.007	<1	0.011	0.002	<0.001	0.013	<0.001	0.004	0.005	<0.001
Target Range - Lower Bound		0.033	0.005	<1	0.010	<0.001	<0.001	0.015		0.002	0.003	
Upper Bound		0.040	0.007	2	0.014	0.002	0.002	0.019		0.004	0.006	
BLANKS												
BLANK		<0.001	<0.001	<1	<0.001	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	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												
1015406		0.005	0.024	<1	0.004	0.005	<0.001	0.008	<0.001	0.001	0.001	0.004
DIJP		0.007	0.025	<1	0.001	0.005	<0.001	0.008	<0.001	0.001	<0.001	0.005
Target Range - Lower Bound		0.005	0.023	<1	<0.001	0.004	<0.001	0.007	<0.001	<0.001	<0.001	0.003
Upper Bound		0.008	0.026	2	0.004	0.006	0.002	0.009	0.002	0.002	0.002	0.006

Comments: Li by ME-CON02 on ICPMS added.

APPENDIX 7

END PRODUCT ASSAYS

ELECTROSTATIC SEPARATION



Australian Laboratory Services Pty. Ltd.
 32 Sheard Street
 St. Leonards
 Brisbane QLD 4053
 Phone: +61 (7) 3243 7222
 Fax: +61 (7) 3243 7218
 www.alsglobal.com

Page: 2 - A
 Total # Pages: 2 (A)
 Finalized Date: 17-DEC-2010
 Account: MCDSON

Project: Silica Sands + Li

CERTIFICATE OF ANALYSIS BR10185066

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 MgO % 0.001	ME-ICP64 MnO % 0.001	ME-ICP64 TiO2 % 0.001	ME-ICP64 V2O5 % 0.001	ME-ICP64 Na2O % 0.001	ME-ICP64 K2O % 0.001	ME-ICP64 P2O5 % 0.001	ME-CON02 Li ppm 1
90B-2-75NC		0.027	0.029	6	0.014	0.010	<0.001	0.048	<0.001	0.003	0.002	0.004	<1
90B-2-75C		0.038	0.035	10	0.009	0.010	<0.001	0.047	<0.001	0.005	0.002	0.004	<1
90B-2-75200NC		0.023	0.021	3	0.014	0.007	<0.001	0.025	<0.001	0.003	0.001	0.003	<1
90B-2-75200C		0.033	0.029	7	0.023	0.010	<0.001	0.058	<0.001	0.004	0.001	0.004	<1
90B-2-200500NC		0.011	0.007	3	0.001	0.003	<0.001	0.010	<0.001	0.001	<0.001	0.001	<1
90B-2-200500M12		0.034	0.018	12	0.086	0.008	0.002	0.143	<0.001	0.004	<0.001	0.002	<1
90B-2-200500C		0.029	0.014	9	0.037	0.005	0.001	0.075	<0.001	0.004	<0.001	0.001	<1
101B-3-200600NM		0.007	0.008	7	0.019	0.003	<0.001	0.002	<0.001	0.003	<0.001	0.001	<1
101B-3-75250NM		0.007	0.038	9	0.007	0.008	<0.001	0.002	<0.001	0.001	<0.001	0.006	<1
101B-3-200600NMNC		0.004	0.008	10	0.006	0.003	<0.001	0.002	<0.001	0.003	<0.001	<0.001	<1
101B-3-200600NMC		0.046	0.011	41	0.109	0.010	0.002	0.156	<0.001	0.001	0.001	<0.001	<1

Project: Silica Sands + Li

QC CERTIFICATE OF ANALYSIS BR10185066

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



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 MgO % 0.001		ME-ICP64 MnO % 0.001		ME-ICP64 TiO2 % 0.001		ME-ICP64 V2O5 % 0.001		ME-ICP64 Na2O % 0.001		ME-ICP64 K2O % 0.001		ME-ICP64 P2O5 % 0.001		
STANDARDS																								
BCS267	Target Range - Lower Bound	0.987	1.785	137	0.846	0.046	0.171	0.188	0.002	0.054	0.128	0.024												
	Upper Bound	0.789	1.625		0.734	0.054	0.138	0.157		0.055	0.121													
BSC313-1	Target Range - Lower Bound	0.934	0.006	7	0.847	0.065	0.161	0.183	<0.002	0.068	0.142	0.001												
	Upper Bound	0.935	0.005	<1	0.011	0.002	<0.001	0.013		0.003	0.002													
		0.040	0.007	2	0.014	0.002	0.002	0.019		0.004	0.006													
BLANKS																								
BLANK	Target Range - Lower Bound	<0.001	<0.001	<1	<0.001	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
DUPLICATES																								
101B-3-Z00600MMNC	DUP	0.004	0.008	10	0.006	0.003	<0.001	0.002	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Target Range - Lower Bound	0.007	0.008	12	0.007	0.003	<0.001	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Upper Bound	0.004	0.007	10	0.005	0.002	<0.001	0.002	<0.001	0.004	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	

APPENDIX 8

TEST SAMPLE ASSAYS

OPTICAL GLASS

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

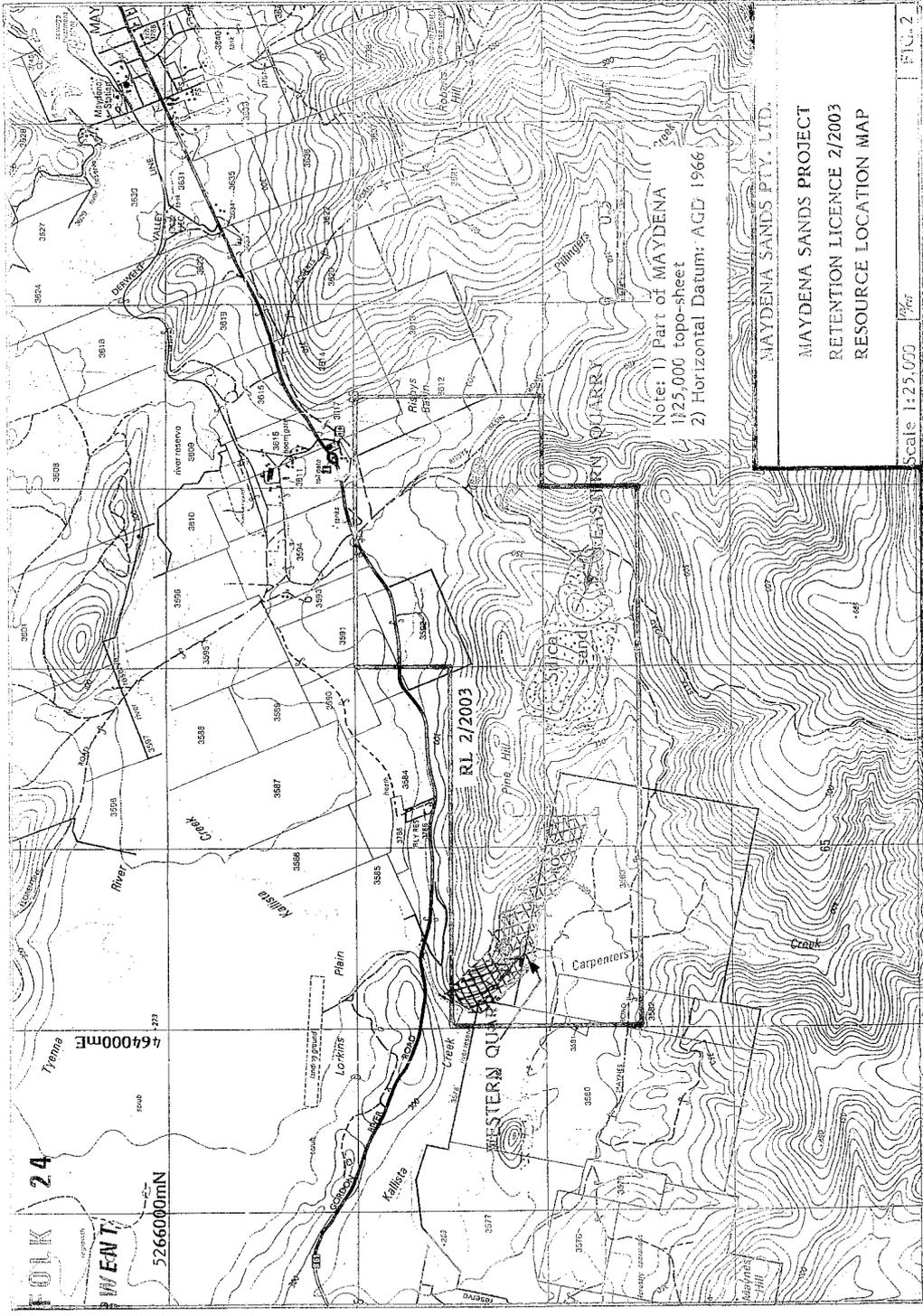


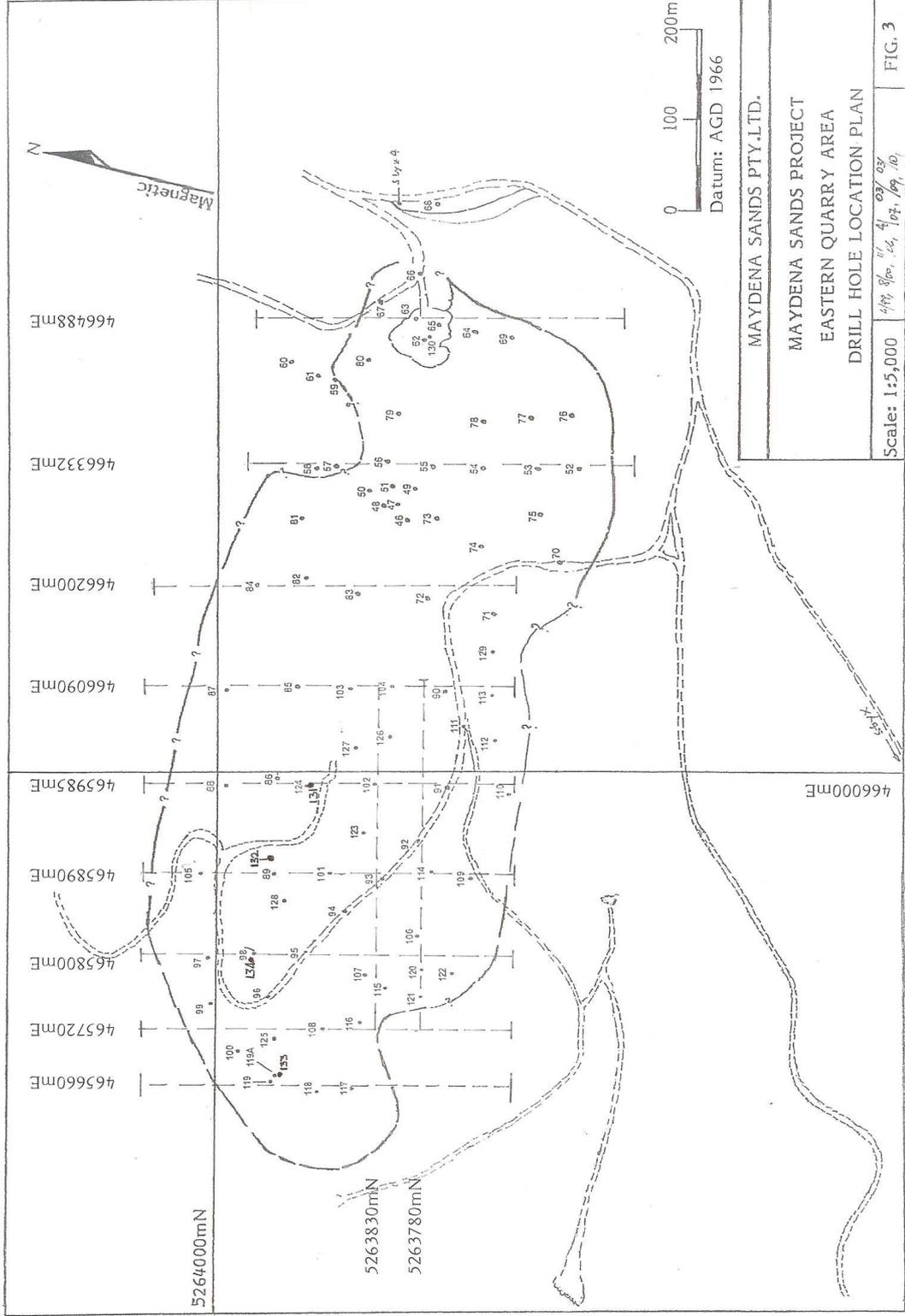
Project: Silica sands + Li

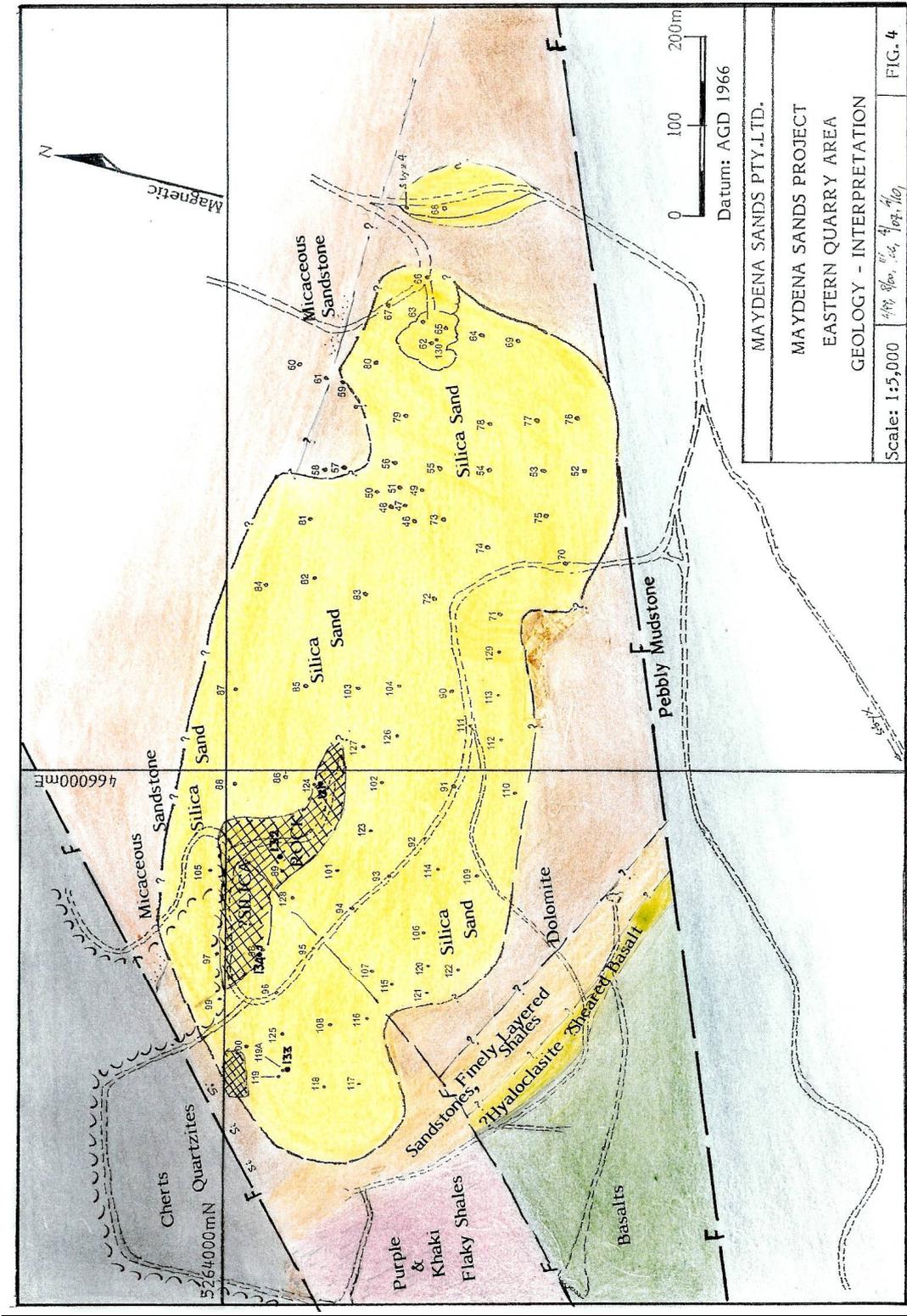
QC CERTIFICATE OF ANALYSIS BR10108360

Sample Description	Method Analyte Units LOR	ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		ME-ICP64		
		Al ₂ O ₃ %	CaO %	Cr ₂ O ₃ ppm	Fe ₂ O ₃ %	MgO %	MnO %	TiO ₂ %	V ₂ O ₅ %	Na ₂ O %	K ₂ O %	P ₂ O ₅ %	ZnO %	SiO ₂ %	Li ₂ O %	LOI %
STANDARDS																
8CS267	Target Range - Lower Bound	0.712	1.560	148	0.772	0.036	0.173	0.155	0.002	0.051	0.118	0.023				
	Upper Bound	0.789	1.625		0.734	0.054	0.138	0.157		0.055	0.121					
8SC313-1	Target Range - Lower Bound	0.911	1.875	1	0.847	0.065	0.161	0.183	<0.001	0.068	0.142	0.001				
	Upper Bound	0.936	0.007	<1	0.913	0.002	<0.001	0.013	<0.001	0.004	0.005					
	Target Range - Lower Bound	0.033	0.005	<1	0.910	<0.001	<0.001	0.015	0.002	0.002	0.003					
	Upper Bound	0.040	0.007	2	0.914	0.002	0.002	0.018		0.004	0.008					
BLANKS																
BLANK	Target Range - Lower Bound	<0.002	<0.001	<1	<0.001	<0.002	<0.001	<0.002	<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	0.002	0.002	0.002	0.002
DUPLICATES																
91B3-100NM20	Target Range - Lower Bound	0.021	0.034	<1	0.007	0.008	<0.001	0.017	<0.001	0.004	0.002	0.004				
	Upper Bound	0.021	0.035	1	0.007	0.008	<0.001	0.017	<0.001	0.004	0.001	0.004				
DIUP	Target Range - Lower Bound	0.019	0.032	<1	0.006	0.007	<0.001	0.015	<0.001	0.003	<0.001	0.003				
	Upper Bound	0.023	0.037	2	0.008	0.009	0.002	0.019	0.002	0.005	0.002	0.005				

ILLUSTRATIONS







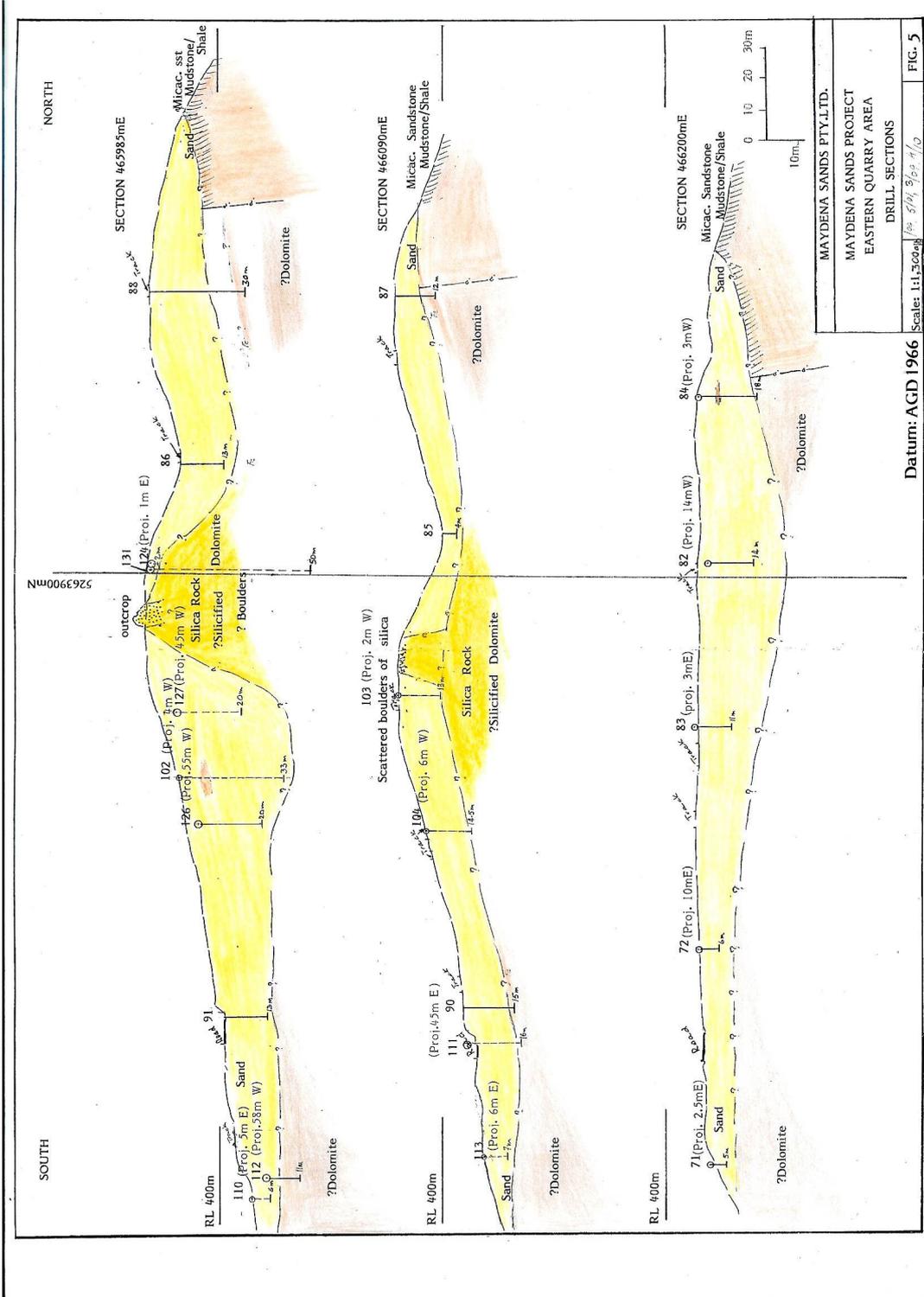
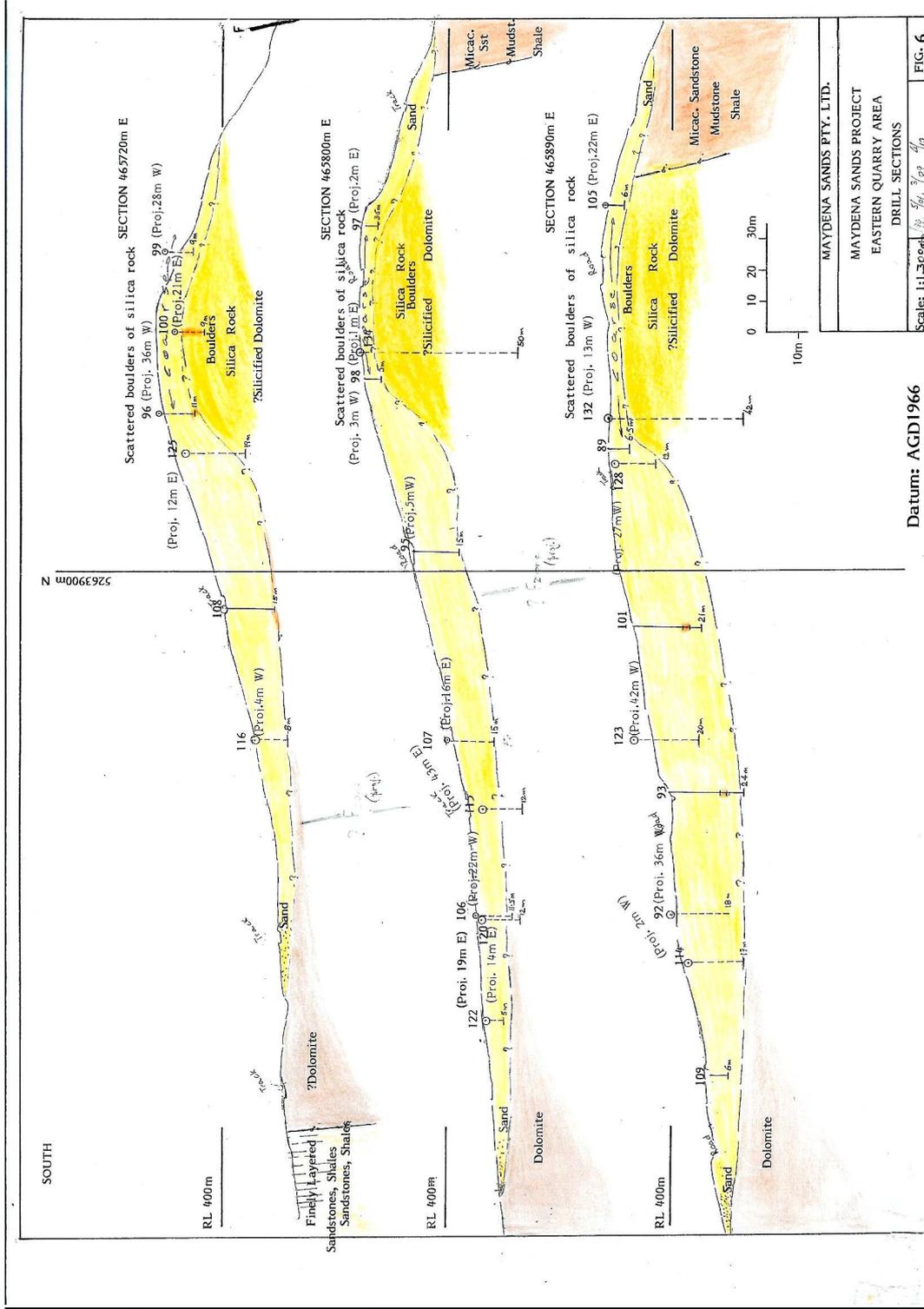


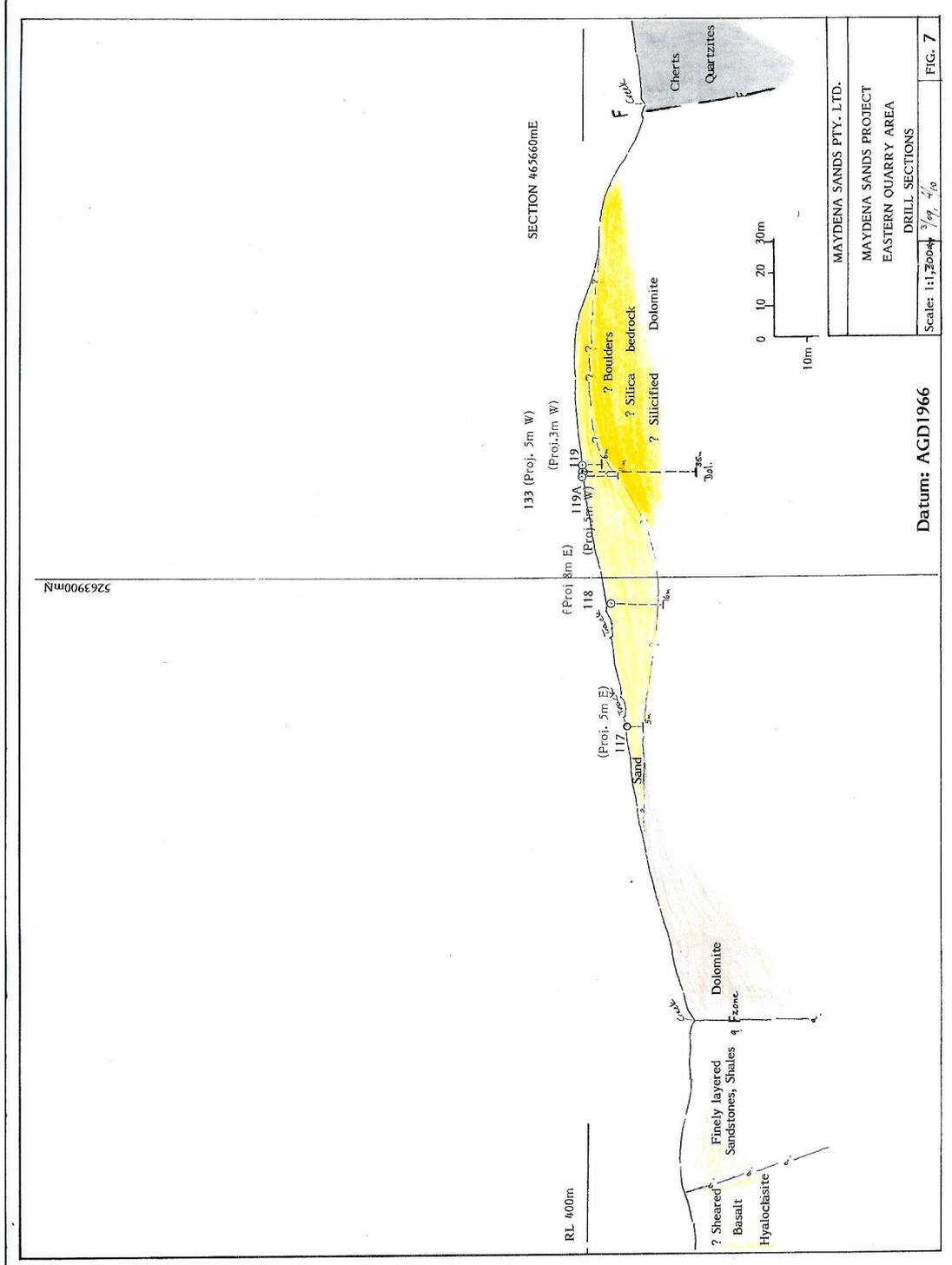
FIG. 5



Datum: AGD1966

MAYDNA SANDS PTY. LTD.
MAYDNA SANDS PROJECT
EASTERN QUARRY AREA
DRILL SECTIONS
Scales: 1:1, 2:1, 3:1, 4:1, 5:1, 6:1, 7:1, 8:1, 9:1, 10:1

FIG. 6



5263900mN