



A GREENCAP  
CONSULTING COMPANY

# Risk Management Services

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## ASBESTOS FIBRE AIR MONITORING REPORT

Our Ref: C107605:J111804.132-20130902

Client: Hanson Construction Materials Pty Ltd

Attention: Martin Gear - Project Manager Aggregates

Job Location: East Guyong Quarry, Mitchell Highway, East Guyong NSW

Report Date: Thursday 5 September 2013

Test Date: Tuesday 3 September 2013

Sampling Procedure: Control

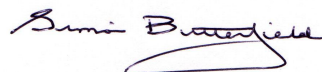
Sampled By: Pumps On: Pere Riini (Hanson)  
Pumps Off: Pere Riini (Hanson)

Method: *Filters examined in accordance with Safe Work Australia's Guidance Note on the Membrane Filter Method for the Estimation of Airborne Asbestos Fibres, 2<sup>nd</sup> Edition, 2005 [NOHSC:3003: (2005)] – Refer NAA Internal Laboratory Test Method NALAB 301.*

Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL
Control/static monitoring during earthworks in the Infrastructure Area on the East Guyong Quarry Site					
168113	Field Blank	-	-	0.0/100	-
171911	Location 1 – Near Southern Boundary of Site, Access Road to Residence (No.3472) off Mitchell Highway, approx. 120 metres North of South Site Boundary – On barbed wire fence	0715 – 1320	1.00	1.0/100	< 0.01
171873	Location 3 – Near Southern Boundary (SE Corner) of Site, Adjacent to New Access Road Entry (No.3410) off Mitchell Highway, approx. 30 metres from South Site Boundary – On barbed wire fence	0718 – 1323	1.00	0.0/100	< 0.01
171916	Location 4 – Near Eastern Boundary (near SE Corner) of Site, approx. 70 metres West of Shed, Access Road – On barbed wire fence	0721 – 1326	1.00	0.0/100	< 0.01
168020	Location 5 – Near Eastern Boundary (near Centre) of Site, approx. 50 metres West of East Site Boundary – On fencing post	0724 – 1329	1.00	0.0/100	< 0.01
171901	Location 6 – Western Boundary of Proposed Quarry Pit (near Western Site Boundary) – On barbed wire fence	0729 – 1335	1.00	0.0/100	< 0.01
168055	Location 8 – Western Boundary (near NW Corner) of Site – On barbed wire fence	0732 – 1338	1.00	0.0/100	< 0.01
171894	Location 10 – Near Northern Boundary of Site (near NE Corner Site) – On fencing post	0738 – 1402	1.00	0.0/100	< 0.01

Filter No.	Test Type Sample Location	Sample Period Start-Finish	Average Flow Rate (L/min)	Fibres/ Fields	Result(s) Fibres/mL
171932	Location N1 – Northern Boundary Fence of Infrastructure Area	0741 – 1347	1.00	0.0/100	< 0.01
171931	Location N2 – Western Boundary Fence of Infrastructure Area	0750 – 1356	1.00	1.0/100	< 0.01
171895	Location N3 – Eastern Boundary Fence of Infrastructure Area	0744 – 1350	1.00	0.0/100	< 0.01
168133	Location N4 – Southern Boundary Fence of Infrastructure Area	0747 – 1353	1.00	0.0/100	< 0.01
Exposure/personal monitoring during earthworks in IA					
168028	Excavator Operator – John willis (EODO)	0756 – 1402	1.00	2.5/100	< 0.01

Note: Pere Riini of Hanson Construction Materials Pty Ltd has been formally trained as a third party for volume measurement. Noel Arnold & Associates Pty Ltd assume responsibility for the data collected.



APPROVED COUNTER & SIGNATORY:

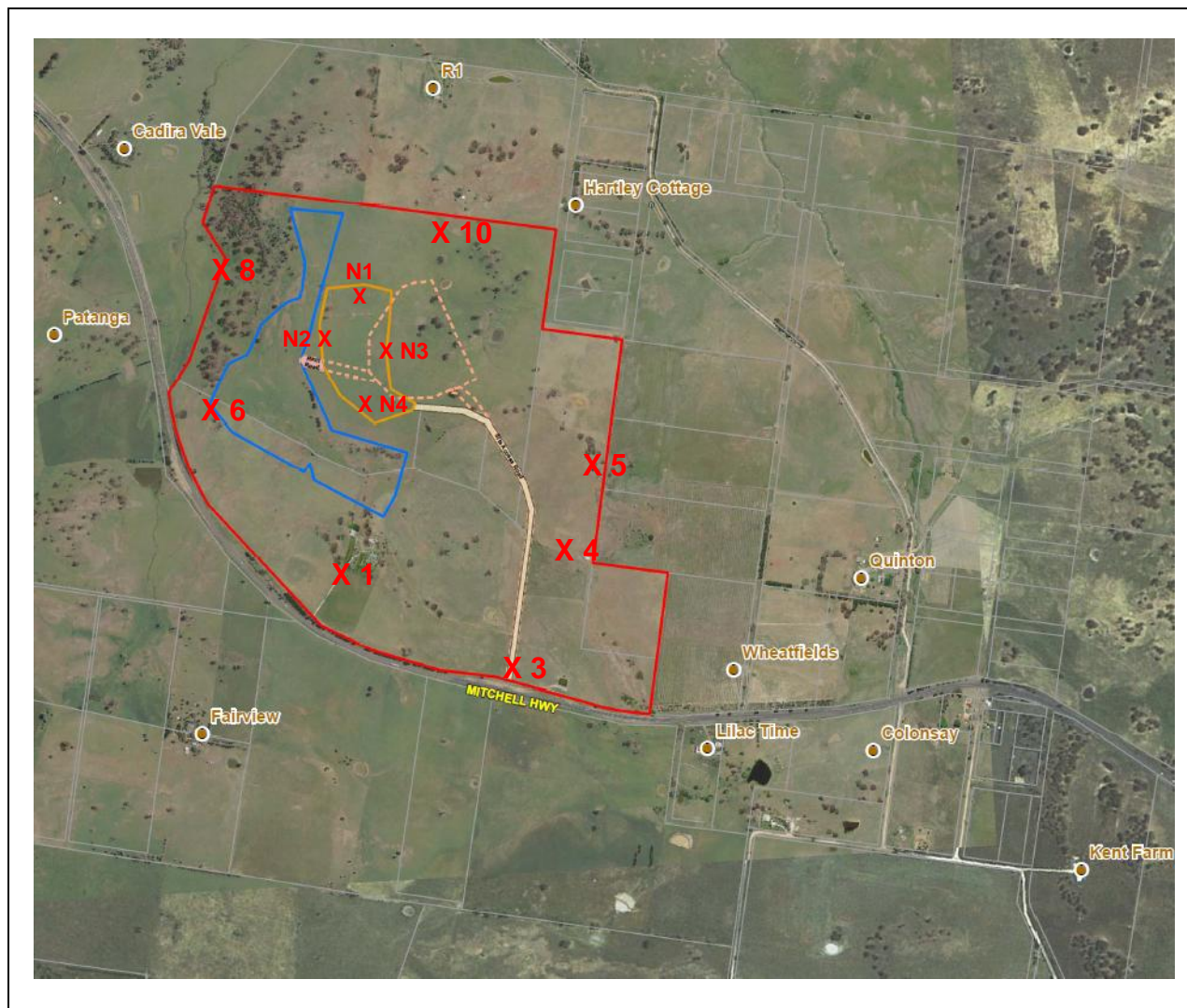
SIMON BUTTERFIELD



Accredited for compliance with ISO/IEC 17025.  
Corporate Site No. 5450, Site No. 3402 Sydney  
Laboratory.

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in full.

Figure 1 – Air Monitoring Location



**Air Monitoring Sampling Plan  
East Guyong Quarry Site**

Monitoring Date: 3<sup>rd</sup> September 2013

**Legend**

- X 1 Air monitoring locations
- Project Boundary
- Proposed Quarry Boundary
- Proposed Infrastructure Area Boundary

**Air Monitoring Location Coordinates**

Location 1:	709,104mE ; 6300,660mN	Location N1:	709,211mE ; 6301,528mN
Location 3:	709,601mE ; 6300,370mN	Location N2:	709,035mE ; 6301,323mN
Location 4:	709,729mE ; 6300,716mN	Location N3:	709,396mE ; 6301,245mN
Location 5:	709,870mE ; 6300,905mN	Location N4:	709,208mE ; 6301,040mN
Location 6:	708,803mE ; 6301,185mN		
Location 8:	708,824mE ; 6301,587mN		
Location 10:	709,465mE ; 6301,633mN		

**Weather Conditions\***

<i>General</i>	Overcast - Fine	<i>Wind Direction</i>	Mostly NE - Easterly
<i>Rainfall</i>	0 mm	<i>Wind Speed</i>	1 – 21 km/h

\* East Guyong Quarry Weather Station