



TOMINGLEY
GOLD OPERATIONS PTY LTD
(A wholly owned subsidiary of Alkane Resources Ltd)

Tomingley Gold Project

Monthly Environmental Monitoring Report – October 2013



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TABLE OF REVISIONS

Revision Number	Revision Date	Prepared By	Comments
Revision 1	October 2013	Mark Williams	Submitted for Information

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1. INTRODUCTION AND SCOPE

This Monthly Environmental Monitoring Report has been prepared to collate environmental monitoring data undertaken for the Tomingley Gold Project during the month of October 2013.

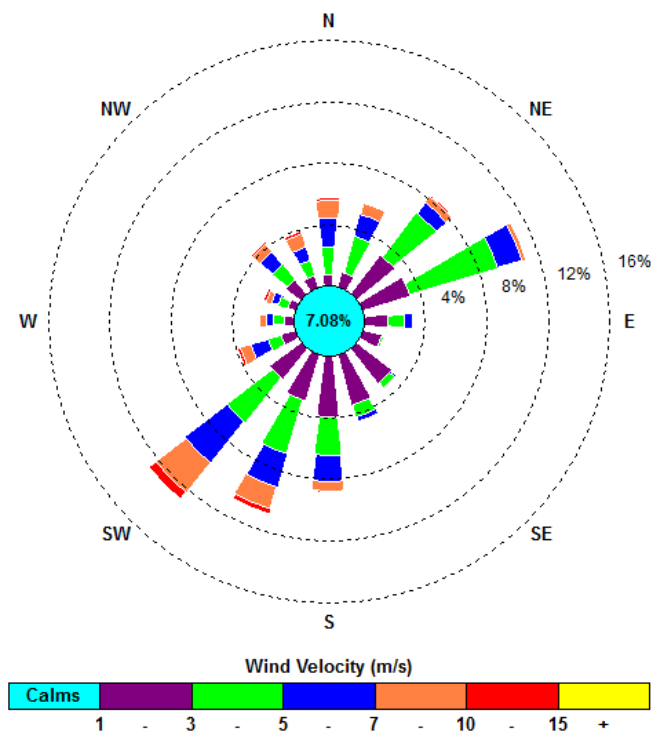
This report also compares data collected to targets and provides commentary on environmental issues during the month.

2. WEATHER FOR OCTOBER 2013

2.1 WEATHER STATION DATA

Data from the weather station located on site is presented below.

WIND DIRECTION



RAINFALL

<i>October</i>	<i>4.8mm</i>
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3. MONITORING LOCATIONS

Figure 1 indicates the location of where monitoring is undertaken for the project. Any additional monitoring undertaken will be discussed within the body of this report.

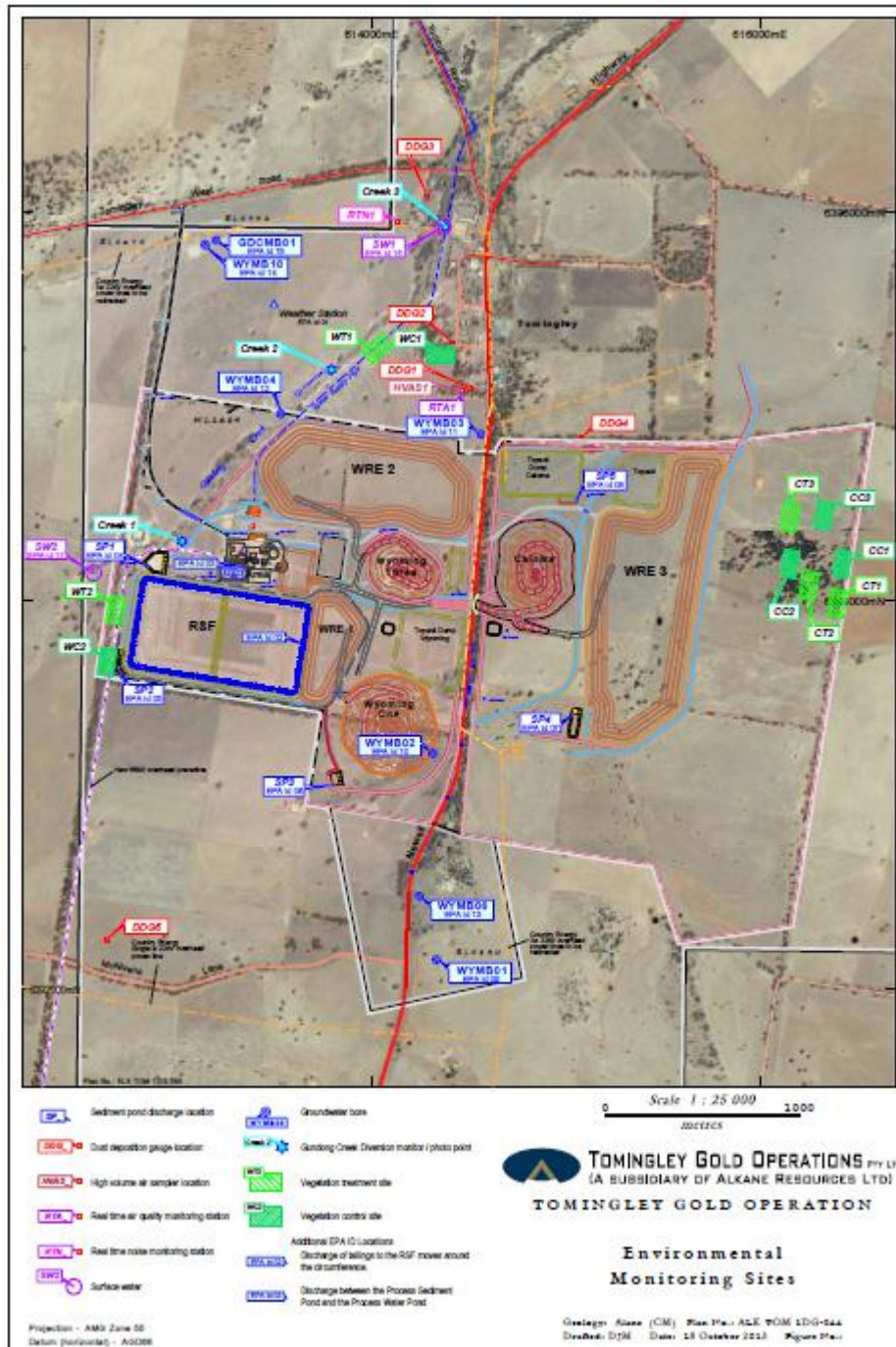


Figure 1

4. AIR QUALITY MONITORING

4.1 PM10 MONITORING

PM10 is measured via a Tapered Element Oscillating Microbalance (TEOM) located at the southern edge of the Tomingley Village. This machine transmits real-time data via the internet to a computer located on site.

The Performance Criteria for PM10 has been set at an Annual Average of 30ug/m³ and a 24-Hour Average of 50ug/m³.

During October there were no exceedences of the 24-Hour Average of 50ug/m³ recorded.

The 24-Hour Average for October was 23.7

4.2 DEPOSITIONAL DUST

Depositional Dust monitoring undertaken during October 2013 returned the results indicated in Table 1 below.

Table 1 – Deposited Dust results for October 2013

Location	Date Monitored	Insoluble solids (g/m2/month)	Comments	Maximum increase in deposited dust level	Maximum total deposited dust level
DDG1	03/10/13 04/11/13	- 0.5	These results are all within the acceptable range for depositional dust during construction.	2 g/m2/month	4 g/m2/month
DDG2	03/10/13 04/11/13	- 0.5			
DDG3	03/10/13 04/11/13	- 0.6			
DDG4	03/10/13 04/11/13	- 1			
DDG5	03/10/13 04/11/13	- 0.6			

4.3 HIGH VOLUME AIR SAMPLER - TOTAL SUSPENDED PARTICULATES

High Volume Air Sampling (HVAS) for Total Suspended Particulates (TSP) was undertaken during October 2013. Table 2 below provides the results.

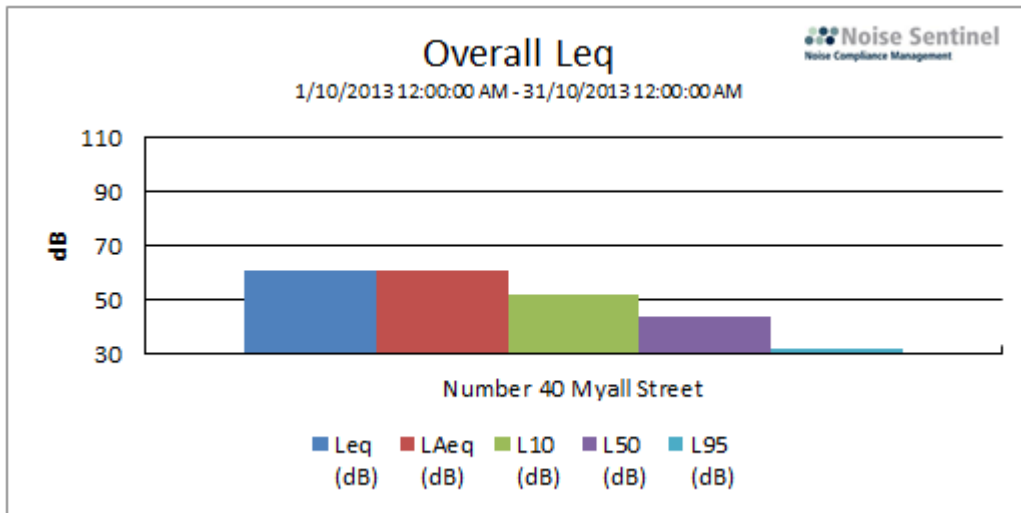
The performance criteria for TSP is averaged over 12 months, however data collected to date is below the 90mg/m³ average criteria.

Table 2 – High Volume Air Sampler Data for October 2013

Location	Sheet ID	Date On	Date Off	Results (TSP mg/m ³)	Performance Criteria (Annual Average)
HVAS1	8712490	3/10/2013	4/10/2013	20.6	90 mg/m ³
HVAS1	8712491	9/10/2013	10/10/2013	70.7	
HVAS1	8712492	15/10/2013	16/10/2013	28.7	
HVAS1	8712493	21/10/2013	22/10/2013	69.2	
HVAS1	8712494	27/10/2013	28/10/2013	55.2	

5. NOISE MONITORING

5.1 REAL-TIME NOISE MONITORING



5.2 HAND HELD NOISE MONITORING

No hand held monitoring was carried out during October

6. SURFACE WATER MONITORING

6.1 GUNDONG CREEK

Gundong Creek did not flow during the monitoring period and therefore no samples were collected.

6.2 SEDIMENTATION PONDS

There was no discharge from the sedimentation ponds during October 2013, accordingly no monitoring was carried out.

7. CULTURAL HERITAGE MONITORING

There was no cultural heritage monitoring undertaken in October 2013.

8. GROUNDWATER MONITORING

Groundwater monitoring is carried out quarterly. No ground water monitoring was carried in October 2013.

9. BIODIVERSITY MONITORING

There was no vegetation monitoring undertaken during October 2013.

There were no fauna deaths recorded during October 2013.

No vegetation clearing was carried out during October 2013.

