



Comstock Mine Water Monitoring Report – September 2007 Quarter



October 2007

Heather Worby BSc (Hons)

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1.0 Introduction

Oceania Tasmania Pty Ltd (Oceania) is a wholly owned subsidiary of Zeehan Zinc Limited (Zeehan Zinc), and holds Comstock Mining Lease 5M/2007. No extraction of Zn-Pb-Ag ore has occurred on site since September 2000 with major works concentrated on a Gravity Plant Development and commissioning, communications, tailings dam and polishing pond commissioning, water storage, rehabilitation and extensive resource drilling program.

Section 37 of the Level 2 Mining Activity Environmental Permit (DPIWE, 6 July 2001) states it is a requirement for Oceania to carry out routine water quality tests every 3 months. This report summarises the required monitoring schedule including data from May 2001 to September 2007.

2.0 Water Monitoring

As of this quarter the new water monitoring regime include W1 (Upstream Comstock Creek), W2 (Silt trap before shaft in open pit), W3 (Drainage adit outlet), Tailings Dam and Polishing Pond (Figure 1). The will be the 5 sample collection points and will be analysed monthly and reported quarterly.

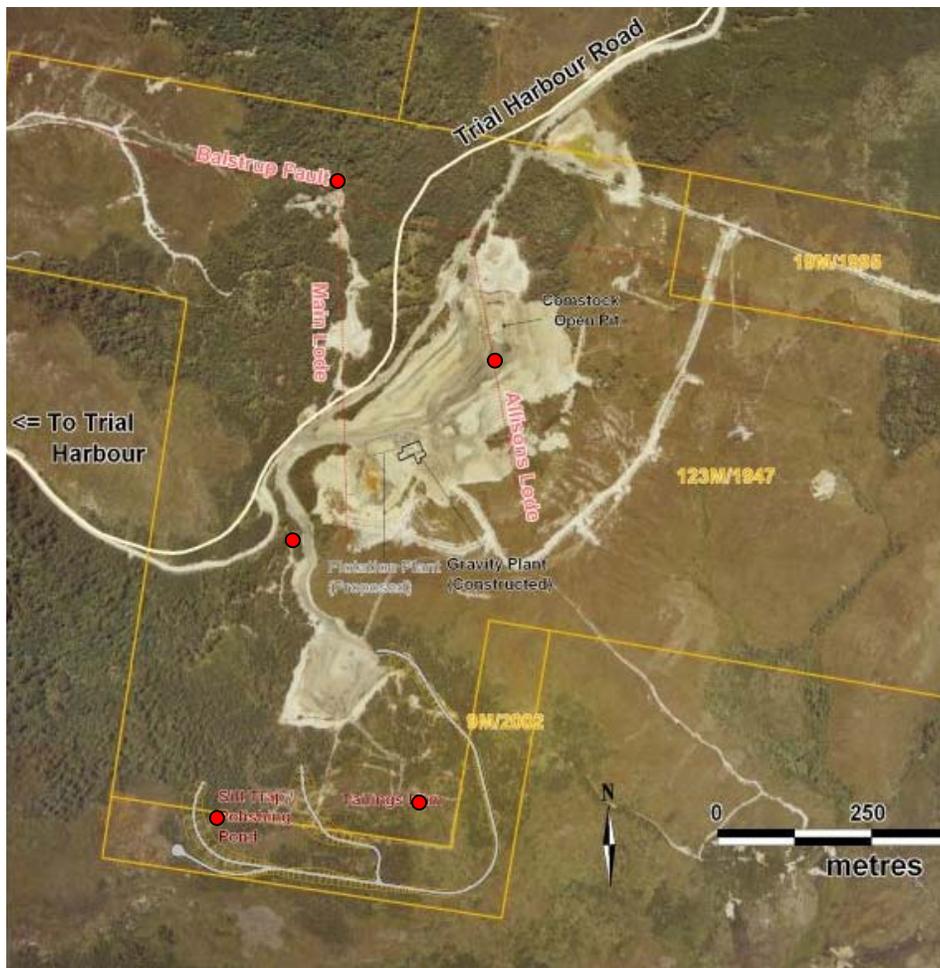


Figure 1 – Water Monitoring Locations at Comstock

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Water samples at monitoring sites W1, W2, W3, Tailings Dam and Polishing Pond (Figure 1) were collected in July 2007 and analysed at 'Analytical Services Tasmania' for pH, conductivity, total suspended solids (Al, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Zn), total alkalinity and acidity. Hardness has been tested over the last two quarters and sulphate has been added to the list of parameters as of this quarter.

To supplement the quarterly water monitoring, twice weekly water sampling of 17 selected sites (Figure 29) around the mine area commenced (25 June 2007). Some of these sites included in this regime are currently being constructed and will be included as soon as completed.

3.0 Results

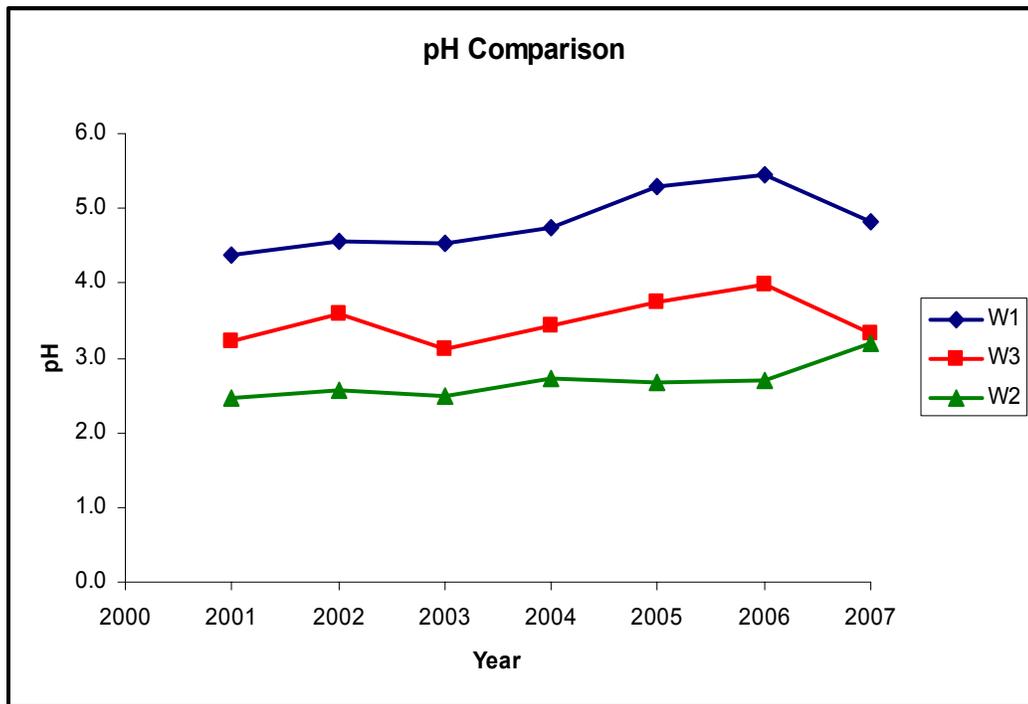


Figure 2 – Yearly average comparison of pH values at sites W1, W2 and W3

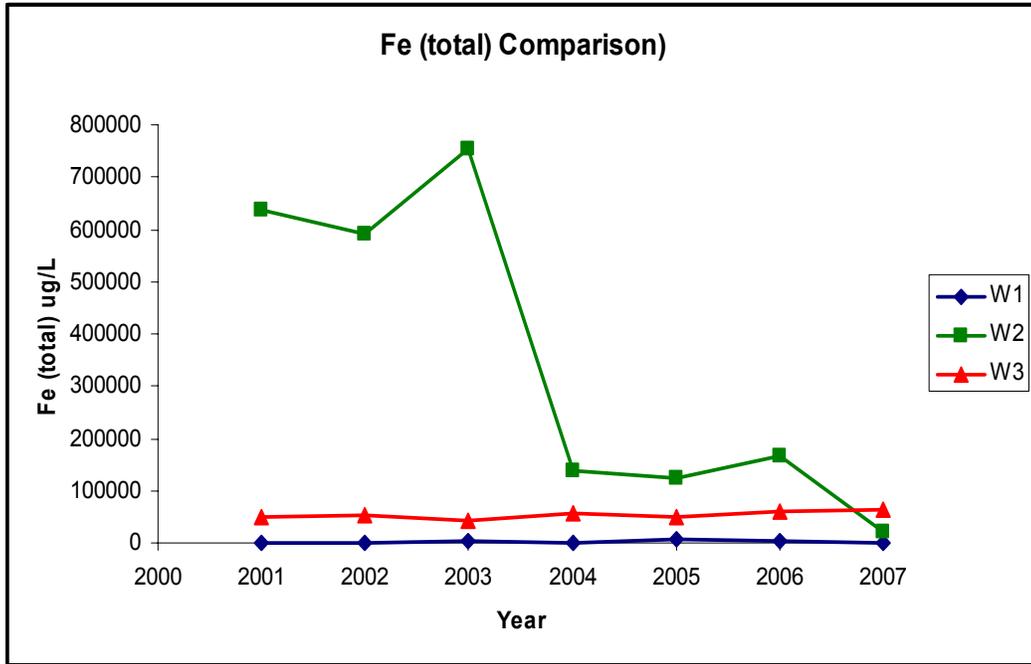


Figure 3 – Yearly average comparison of Fe (total) values at sites W1, W2 and W3

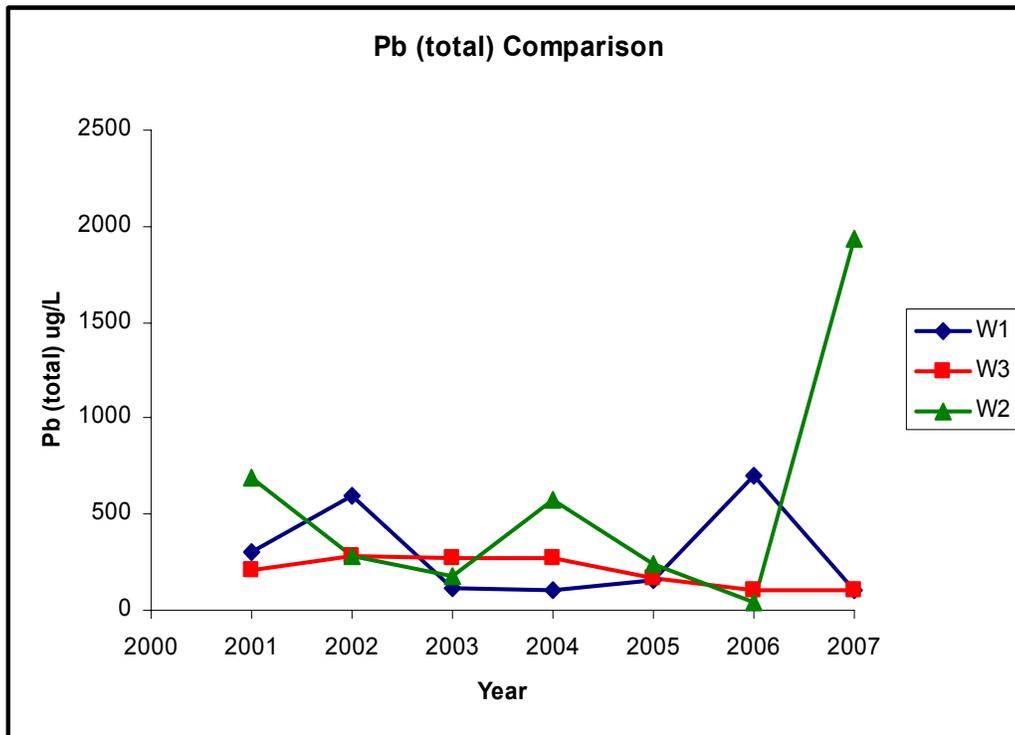


Figure 4 – Yearly average comparison of Pb (total) values at sites W1, W2 and W3

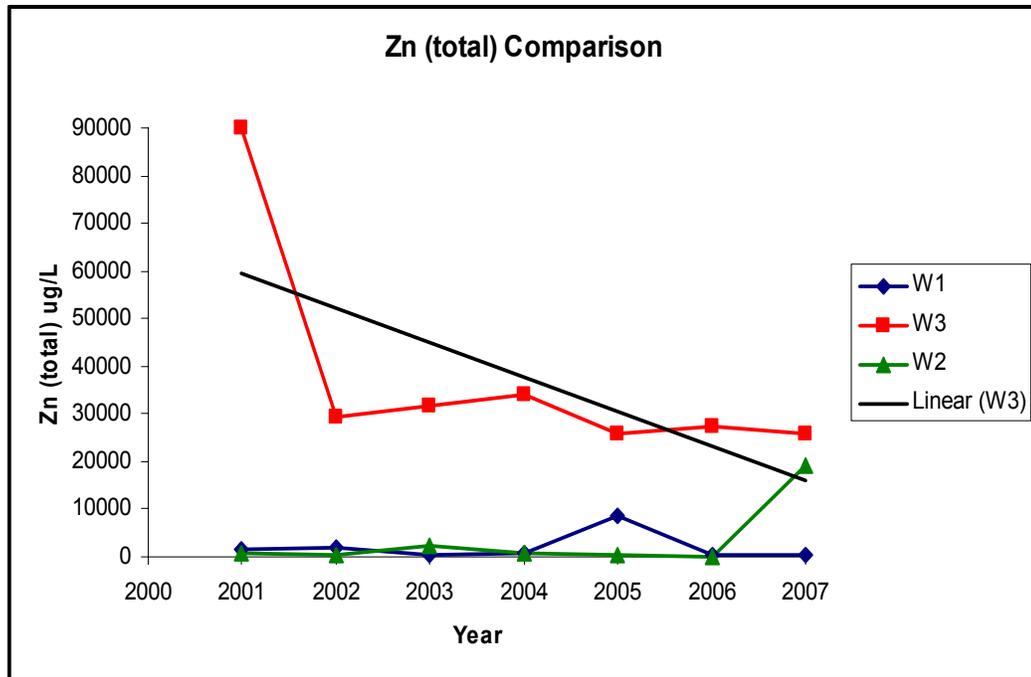


Figure 5 – Yearly average comparison of Zn (total) values at sites W1, W2 and W3

Appendix 1

Laboratory Analysis Results

ANALYTICAL SERVICES TASMANIA
New Town Laboratory
18 St Johns Avenue, New Town, Tasmania, Australia, 7008
New Town, Tasmania, 7008
Telephone: (03) 6230 7000 Fax: (03) 6230 7001
Email: astproduction@environment.tas.gov.au



Laboratory Report

Report No: 33185 **Issue No:** 1 **Report Date:** 05-Oct-2007 14:35
Status: Full Report

Site Description:

Received: 17-Sep-07

Submitted to: New Town Laboratory

Submitted By: Shane Bartel

Client Order No: 1320

Report To: Shane Bartel

Client: Oceania Tasmania

Address: Level 1 199 Macquarie Street Hobart TAS 7000

The tests, calibrations or measurements covered by this document have been performed in accordance with NATA requirements which include the requirements of ISO/IEC 17025 and are traceable to national standards of measurement.

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Samples analysed as received.



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ANALYTICAL SERVICES TASMANIA

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Method	Analyte	Units / Sampled On :	Lab.No:	114592	114593	114594	114595	114596
			Sample Id.:	W1	W2	W3	Tailings Dam	Polishing Pond
			11/09/07 09:30	11/09/07 10:47	11/09/07 11:02	11/09/07 11:22	11/09/07 11:43	
1001-Water	pH		4.9	3.2	3.2	4.4	6.5	
1002-Water	Conductivity	µS/cm	110	1170	994	419	471	
1005-Water	TSS	mg/L	3	12	116	7	8	
1101-Water	Alkalinity Total	mg CaCO3/L	<2	<2	<2	<2	16	
1102-Water	Acidity	mg CaCO3/L	8	181	135	20	10	
1103-Water	Chloride	mg/L	19.3	6.05	16.0	19.5	18.3	
	Sulphate	mg/L	13.9	620	439	168	169	
1109-Water	Hardness	mg CaCO3/L	15.2	362	293	128	178	
1301-Water	Al Dissolved	µg/L	201	16700	3420	720	<20	
	Al Total	µg/L	311	18800	4310	952	195	
	As Dissolved	µg/L	<5	<5	<5	<5	<5	
	As Total	µg/L	<5	<5	255	<5	<5	
	Cd Dissolved	µg/L	1	245	23	38	9	
	Cd Total	µg/L	3	270	27	42	11	
	Co Dissolved	µg/L	2	270	70	243	58	
	Co Total	µg/L	2	299	79	263	65	
	Cr Dissolved	µg/L	<1	9	<1	<1	<1	
	Cr Total	µg/L	<1	15	<1	<1	<1	
	Cu Dissolved	µg/L	4	367	3	68	<1	
	Cu Total	µg/L	5	410	3	75	3	
	Fe Dissolved	µg/L	209	4870	2100	<20	46	
	Fe Total	µg/L	979	21100	67300	1780	5300	
	Mn Dissolved	µg/L	167	5840	9980	7260	3900	
	Mn Total	µg/L	179	6450	10800	7770	4320	
	Ni Dissolved	µg/L	7	503	129	530	118	
	Ni Total	µg/L	8	554	141	568	133	
	Pb Dissolved	µg/L	91	1720	96	118	<5	
	Pb Total	µg/L	122	1940	129	147	69	
	Zn Dissolved	µg/L	548	17700	29200	4640	3270	
	Zn Total	µg/L	587	19300	31700	4940	3680	
1302-Water	Ca Dissolved	mg/L	1.68	110	56.1	23.7	36.4	
	Mg Dissolved	mg/L	2.68	21.3	37.3	16.6	21.2	
	Na Dissolved	mg/L	10.5	4.58	10.5	12.7	13.6	
	Na Total	mg/L	11.3	5.14	11.4	13.7	15.2	