



Wolverine Project

SURVEILLANCE NETWORK MONITORING REPORT AUGUST 2006

***TYPE B WATER LICENCE QZ01-051
CONDITIONS 41 TO 45***

**Prepared by:
Yukon Zinc Corporation
Vancouver, British Columbia**

November 2006

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1 Introduction

This report has been prepared to satisfy requirements contained within Type “B” Water Licence Approval QZ01-051 (Licence). The structure and content of this report is based upon details provided in the Environmental Assessment Act Screening Report (Application No. LQ00026), as authorized by Yukon Government Energy, Mines and Resources and the Yukon Water Board (YWB). It specifically provides information with respect to Licence Conditions 40-45.

This report is the fourth Surveillance Network Monitoring (SNM) report submitted in 2006 and covers the water quality results for required locations as outlined in the Licence for August 2006.

Information pertaining to effluent quality standards and sampling requirements under the Surveillance Network Monitoring program are provided in previous submissions (dated February 7, April 11 and August 24, 2006) that cover the monitoring conducted over the October 2005 to July 2006 period

A detailed description of onsite infrastructure can be found in section 4 of the *Water Management and Treatment Plan* submitted to the YWB October 12, 2006.

2 Effluent Quality and Monitoring Results for August 2006

Data reporting requirements, as per the Licence, provided in this report include monthly W16 water quality results, weekly mine water and sump chemistry. Data for water quality for W9 and W12 as well as hydrology are required quarterly and will be provided in the report to be submitted for October. Sediment sampling, required annually for W9, W12 and W16, was conducted in October and will be provided in the November report.

2.1 SNM Station and Mine Water Quality Results

W16 and Mine (sample names include Mine, Mine 10, Mine Water and Portal Water) water quality results are summarized in Table 2-1 and lab reports from Maxxam Analytics Inc. (Maxxam) and ALS Environmental (ALS) are provided in Appendix A (note that the Quality Assurance Reports have been omitted to reduce report size but are available upon request). Of the eight mine samples, TSS and Ammonia were not analyzed for samples on August 1, 3, 8 and 12 because these samples were taken to enhance YZC’s knowledge of the mine chemistry for treatment purposes, not for reporting purposes. Figures 2-1 through 2-4 illustrate the mine water constituents in comparison to the B Licence authorized grab sample discharge limits.

Table 2-1: W16 and Mine Water Quality Monitoring Results for August 2006

Monitoring Results	W16	Portal Water	Mine 10	Portal Water	Mine Water	Mine Water	Mine	Mine	Mine Water
Parameter	Jul 31 '06	1-Aug	3-Aug	8-Aug	12-Aug	15-Aug	22-Aug	Aug 22	27-Aug
Job Number	A635289	A634229	A634574	A635249	Z1179	A636580	A638706	Z1630	Z1833
TSS	13	-	-	-	-	7	4	<3	5.6
Ammonia Nitrogen	0.007	-	-	-	-	0.25	0.206	0.212	0.236
Arsenic	0.0002	0.001	0.0002	0.0017	0.00104	0.001	0.001	0.00084	0.00116
Cadmium	0.00013	0.00017	0.00098	0.00007	0.000318	0.0028	0.00022	0.000063	0.000169
Copper	0.0015	0.0013	0.0147	0.001	0.00214	0.0019	0.001	0.00047	0.00145
Lead	0.00008	0.00259	0.0249	0.00318	0.00767	0.0043	0.00477	0.0023	0.01
Nickel	<0.0005	0.0157	0.0167	0.013	0.0133	0.0129	0.0079	0.00815	0.00897
Selenium	<0.0005	0.0032	0.0047	0.0391	0.0087	0.0062	0.017	0.0043	0.0052
Zinc	0.0038	0.0232	0.115	0.0147	0.0384	0.0231	0.025	0.011	0.0267

Figure 2-1: Mine Water Arsenic, Copper and Lead Concentrations

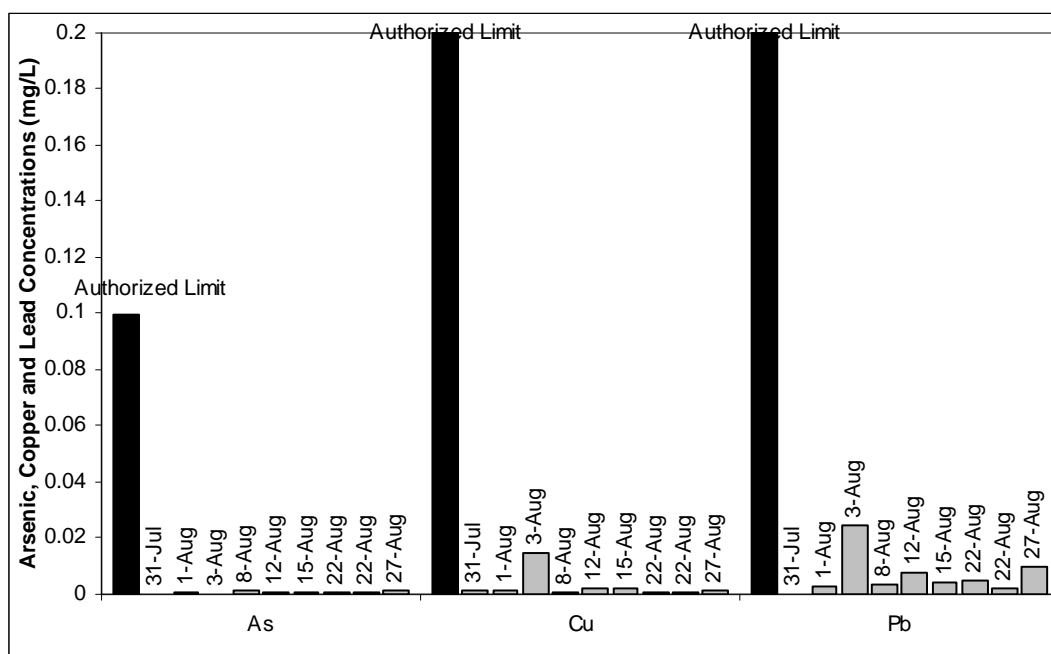


Figure 2-2: Mine Water Nickel and Zinc Concentrations

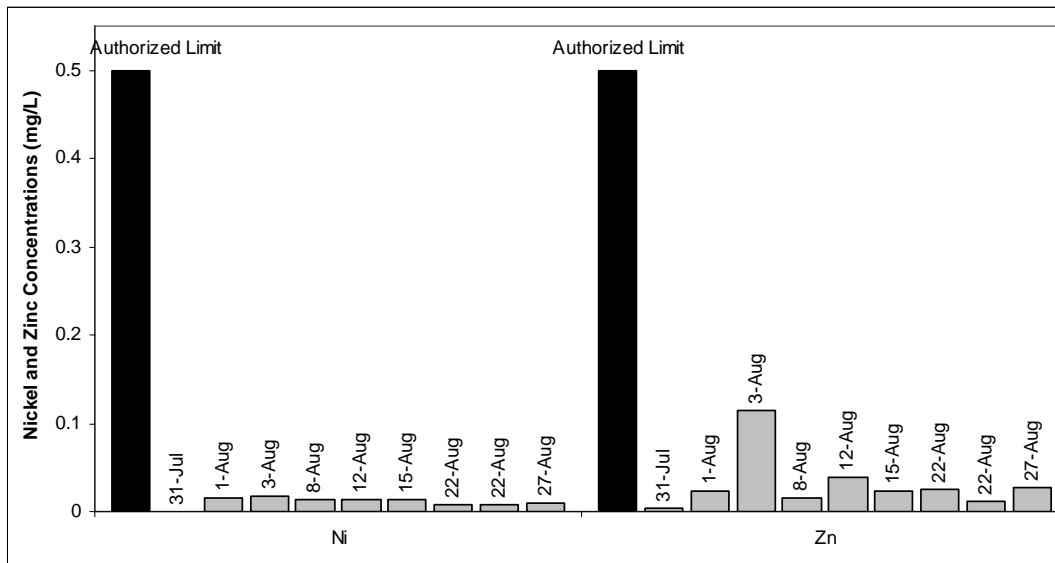
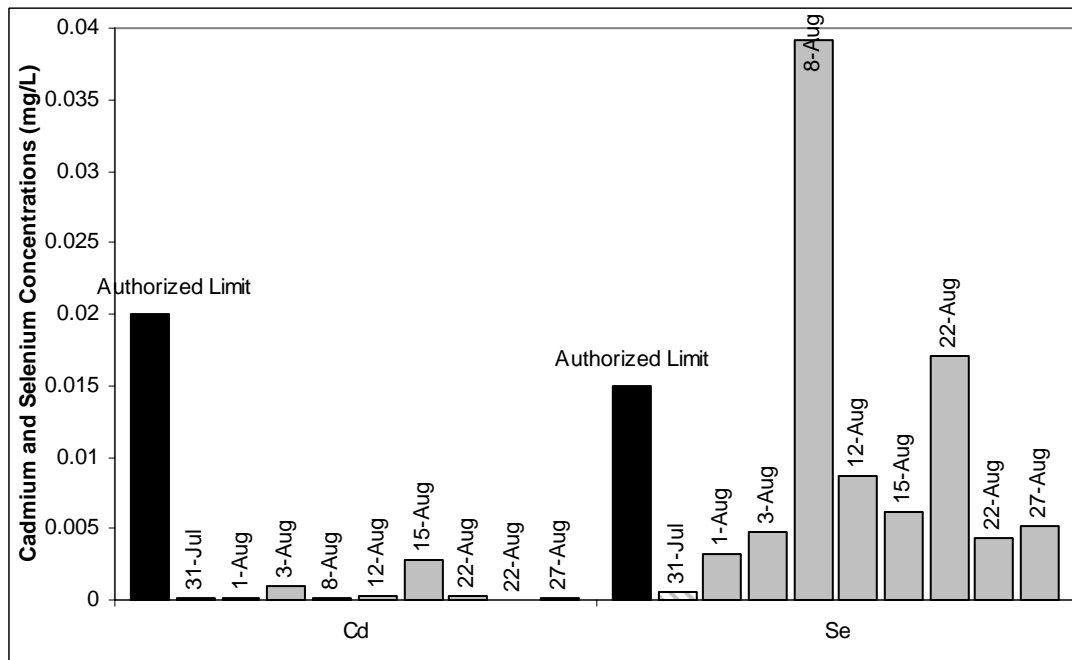
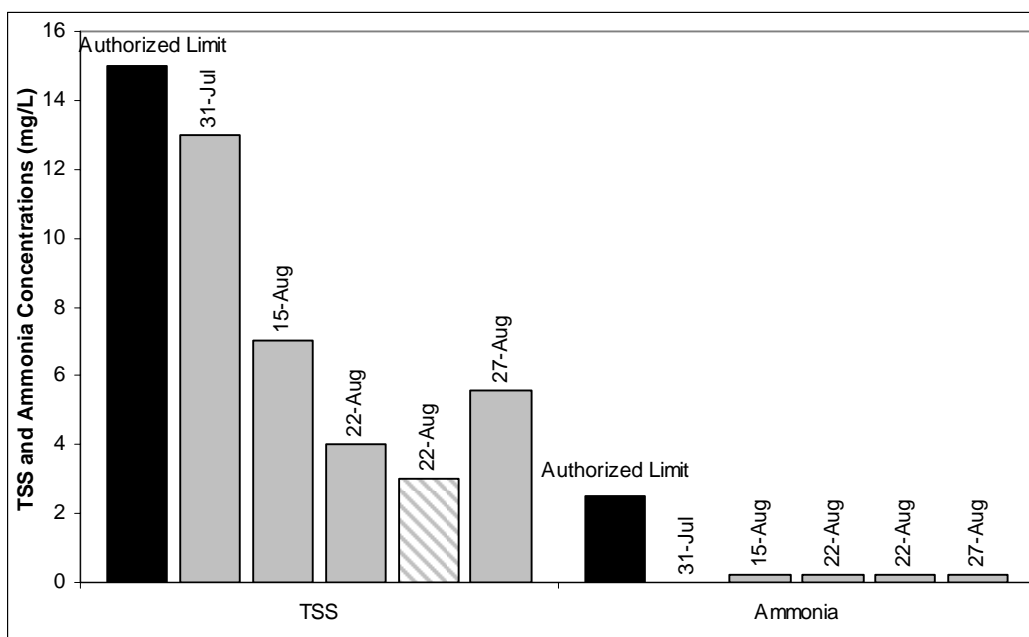


Figure 2-3: Mine Water Cadmium and Selenium Concentrations



Note: Hatched columns represent values below reportable detection limits

Figure 2-4: Mine Water TSS and Ammonia Concentrations

Note: Hatched columns represent values below reportable detection limits

Mine water arsenic, cadmium, copper, lead, nickel and zinc concentrations for the samples collected in August are significantly lower than the authorized limit. Selenium concentrations are generally lower than the authorized limit, with the exception of two samples. Observations noted at the time of sampling the August 8 sample indicate that the mine water was turbid due to underground activities and likely accounts for a higher selenium reading.

2.2 Water Quality Results for Waste Rock Sump

The waste rock sump (WRS) collects surface runoff from the waste and ore stockpile with the waste rock pad. On August 8, 2006, batch test work was done on water from the WRS and samples were submitted for total metal analysis. WRS sample results are summarized in Table 2-2 and the lab report is provided in Appendix B. YZC routinely monitors the sump water volume, and transfers its contents to the water treatment sumps when required. No treatment is conducted at this location and as such, monitoring frequency has been reduced and is conducted prior to water transfer.

Table 2-2: Waste Rock Pad Water Quality Results for August 2006

Sump Name	Lab Report No.	Sample Date	As	Cd	Cu	Pb	Ni	Se	Zn
WRS	Z1179	9/8/2006	0.00089	0.0157	0.0112	0.00532	0.181	0.319	1.18

2.3 Water Quality Results for Water Treatment Sumps

Treatment of mine water was effectively conducted in the water treatment inlet sump (WIS) and discharge sump (WDS) using ferric sulfate. To ensure compliance with the Licence, water samples were collected and analyzed prior to discharge. A summary of post-treatment water quality results are provided in Table 2-3, and lab results are provided in Appendix C.

Discharges must also pass a fish bioassay test as per Environment Canada Method EPS 1/RM/13 for a 96 hour LC₅₀. As the mine water chemistry has not changed since the onset of treatment, bioassays have not been submitted prior to each sump discharge as the mine volume is collectively considered to be a discharge due to the chemistry observed. Although the Licence limits monitoring to nine constituents, YZC continues to sample and test for all parameters and has not observed concentrations that could pose a risk to aquatic life.

Table 2-3: Treated Mine Water Prior to Discharge for August 2006

Sump Name		WIS	WDS	WIS	WDS	WIS	WDS	WIS
Lab Report No.		A634229	A634907	A635249	Z1178	A637151	A638706	Z1833
Sample Date		1/8/2006	6/8/2006	8/8/2006	14/08/06	16/08/06	22/08/06	27/08/06
Parameters (mg/L)	ADL*							
Total Arsenic (As)	0.1	0.0003	0.0001	0.0003	<0.0001	0.0003	0.0002	<0.0001
Total Cadmium (Cd)	0.02	0.00003	0.00001	0.00005	<0.00005	0.00003	0.00008	<0.00005
Total Copper (Cu)	0.2	0.0004	0.0003	<0.0001	0.00016	0.0002	0.0002	0.0003
Total Lead (Pb)	0.2	0.00022	0.00014	0.00011	<0.00005	0.00027	0.00019	0.000268
Total Nickel (Ni)	0.5	0.019	0.02	0.016	0.0155	0.0163	0.0146	0.0152
Total Selenium (Se)	0.02	0.0062	0.0124	0.0117	0.0026	0.011	0.003	0.0018
Total Zinc (Zn)	0.5	0.0106	0.0062	0.0085	0.0076	0.0072	0.0047	0.0096
TSS	15	<4	<4	<4	<3	4	<4	<3
Ammonia	2.5	0.6	0.282	0.279	0.248	0.242	0.281	0.265

Note: *ADL = allowable discharge limit as per Type B Water Licence Approval QZ01-051

Figures 2-5 through 2-8 illustrate the levels of treated mine water as compared to the authorized discharge limits.

Figure 2-5: Treated Mine Water Arsenic, Copper and Lead Concentrations

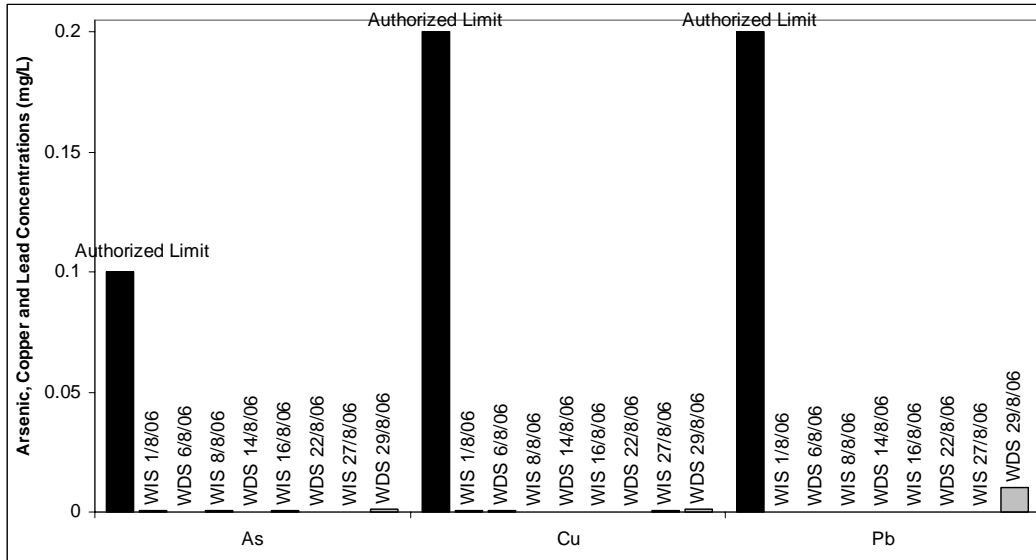
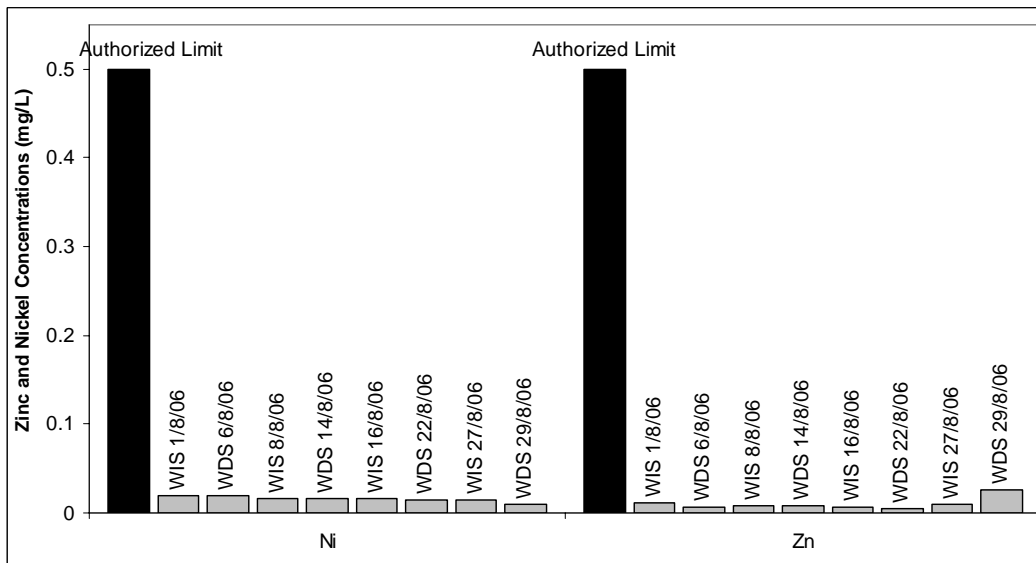


Figure 2-6: Treated Mine Water Nickel and Zinc Concentrations



Note: Concentration scale is 50% (0.02 mg/L) of scale in Fig 2.3 (Untreated mine water).

Figure 2-7: Treated Mine Water Cadmium and Selenium Concentrations

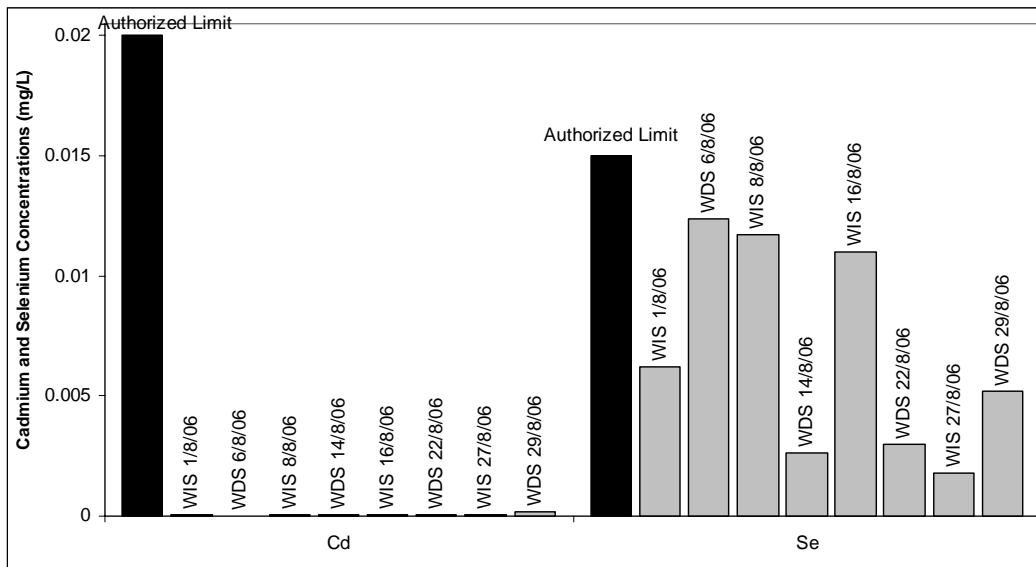
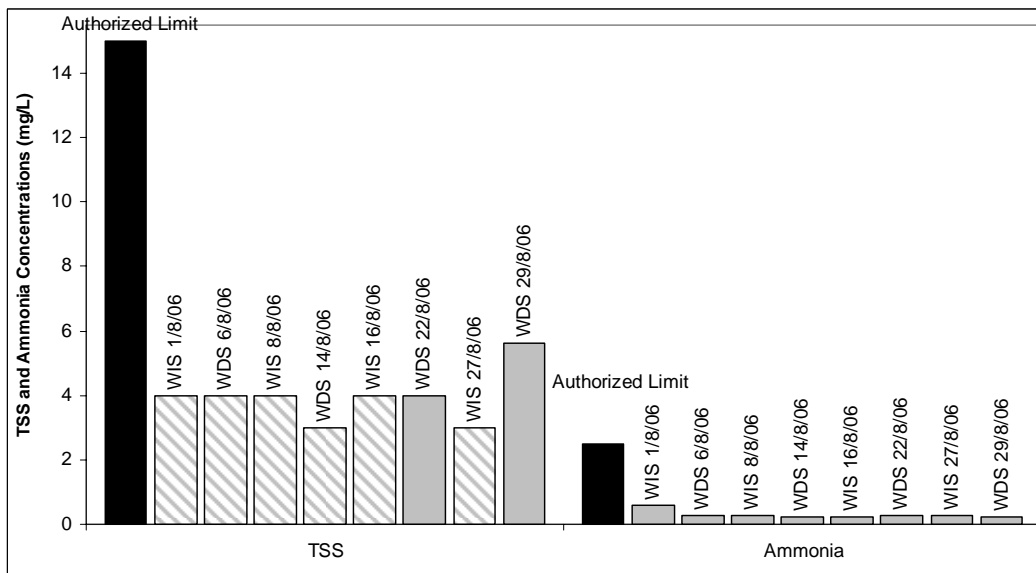


Figure 2-8: Treated Mine Water TSS and Ammonia Concentrations



Note: Hatched columns represent values below reportable detection limits

3 Discussion

All discharged water had lower parameter concentrations than discharge limits, typically at least an order of magnitude lower for all constituents except selenium. During treatment, pH's were closely monitored to ensure that the water was effectively treated and selenium removed. Due to additional settling time after sump samples are submitted and the delay in receipt of analytical results, YZC also collects additional samples to confirm that discharged water has acceptable concentrations.

As with the previous test performed on untreated mine water in spring 2006, the treated sump sample also achieved a limit >100% vol/vol result indicating a very clean sample and bioassay pass. The report for the August bioassay is provided in Appendix D.

Generally, the W16 August data is comparable to the 2005 baseline characterization, as presented in earlier SNM reports.

4 Summary

Mine water quality during August was comparable to other sampling periods as there has been minimal underground activity over the 2006 program. There were no observable changes in the creek monitoring site W16 when compared to the 2005 baseline data. The next SNM report will summarize the water quality results from September and will be submitted at the end of November.

Appendix A W16 and Mine Water Quality Lab Reports

Your C.O.C. #: 08187534, 08187532, 08187533

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/16

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A635289

Received: 2006/08/08, 12:05

Sample Matrix: Water

Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	24	2006/08/11	2006/08/11	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	24	N/A	2006/08/10	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry ☉	24	N/A	2006/08/12	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	24	N/A	2006/08/11	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	21	N/A	2006/08/10		
Elements by ICP-AES (dissolved)	21	2006/08/10	2006/08/11	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) ☉	21	2006/08/11	2006/08/11	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) ☉	22	N/A	2006/08/11	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	22	N/A	2006/08/11	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	24	N/A	2006/08/11	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	24	N/A	2006/08/11	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	24	N/A	2006/08/11	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	24	N/A	2006/08/10		
pH Water	24	N/A	2006/08/11	ING413 Rev.1.7	Based on SM-4500H+B
Sulphate by Automated Colourimetry ☉	24	N/A	2006/08/12	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	24	N/A	2006/08/14	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids ☉	24	N/A	2006/08/14	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	24	N/A	2006/08/14	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

..12

Your C.O.C. #: 08187534, 08187532, 08187533

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/16

CERTIFICATE OF ANALYSIS

-2-

Encryption Key

 Elka Dadmand

16 Aug 2008 05:36:55 -07:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

ELKA DADMAND,
Email: cdadmand@maxxamanalytics.com
Phone# (604) 444-4808 Ext:230

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

Total cover pages: 2

Maxxam Job #: A635289
Report Date: 2006/08/16

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31660	C31661	C31662		
Sampling Date		2006/07/30 14:54	2006/07/31 12:06	2006/07/31 11:36		
COC Number		08187534	08187534	08187534		
	Units	W47	W44	W16	RDL	QC Batch

Misc. Inorganics						
Bromide (Br)	mg/L	<0.1	<0.1	<0.1	0.1	1229061
Calculated Parameters						
Nitrate (N)	mg/L	0.319	<0.002	0.003	0.002	1229003
Misc. Inorganics						
Dissolved Hardness (CaCO3)	mg/L	110	86	79	0.5	1229002
Dissolved Organic Carbon (C)	mg/L	2.5	2.4	2.0	0.5	1230879
Alkalinity (Total as CaCO3)	mg/L	91.8	69.8	68.3	0.5	1231035
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	0.5	1231035
Bicarbonate (HCO3)	mg/L	112	85.2	83.4	0.5	1231035
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	0.5	1231035
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	0.5	1231035
Anions						
Dissolved Sulphate (SO4)	mg/L	18.5	7.9	7.8	0.5	1231699
Chloride (Cl)	mg/L	<0.5	<0.5	<0.5	0.5	1231698
Nutrients						
Ammonia (N)	mg/L	0.006	<0.005	0.007	0.005	1230340
Nitrate plus Nitrite (N)	mg/L	0.319	<0.002	0.003	0.002	1230896
Nitrite (N)	mg/L	<0.002	<0.002	<0.002	0.002	1230918
Physical Properties						
pH	pH Units	8.0	8.0	8.0	0.1	1231033
Physical Properties						
Total Suspended Solids	mg/L	30	<4	13	4	1231744
Total Dissolved Solids	mg/L	132	94	92	10	1231696
Turbidity	NTU	8.9	0.2	5.5	0.1	1232366

RDL = Reportable Detection Limit

Maxxam Job #: A635289
Report Date: 2006/08/16

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31661	C31662	C31663		
Sampling Date		2006/07/31 12:06	2006/07/31 11:36	2006/07/31 15:09		
COC Number		08187534	08187534	08187534		
	Units	W44	W16	W82	RDL	QC Batch

Dissolved Metals by ICP						
Dissolved Boron (B)	mg/L	<0.008	<0.008	<0.008	0.008	1229422
Dissolved Calcium (Ca)	mg/L	31.0	26.6	50.0	0.05	1229422
Dissolved Iron (Fe)	mg/L	0.156	0.023	1.12 (1)	0.005	1229422
Dissolved Magnesium (Mg)	mg/L	2.13	3.09	2.98	0.05	1229422
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	0.1	1229422
Dissolved Silicon (Si)	mg/L	3.91	2.98	2.98	0.05	1229422
Dissolved Sodium (Na)	mg/L	1.11	0.99	1.35	0.05	1229422
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	0.005	1229422
Dissolved Metals by ICPMS						
Dissolved Aluminum (Al)	ug/L	13.5	4.2	17.1	0.2	1230671
Dissolved Antimony (Sb)	ug/L	<0.05	<0.05	0.06	0.05	1230671
Dissolved Arsenic (As)	ug/L	0.1	0.2	0.2	0.1	1230671
Dissolved Barium (Ba)	ug/L	147	68.1	172	0.02	1230671
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	0.05	1230671
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	<0.05	0.05	1230671
Dissolved Cadmium (Cd)	ug/L	<0.01	0.05	0.32	0.01	1230671
Dissolved Chromium (Cr)	ug/L	<0.2	<0.2	0.4	0.2	1230671
Dissolved Cobalt (Co)	ug/L	<0.02	<0.02	0.03	0.02	1230671
Dissolved Copper (Cu)	ug/L	1.5 (1)	0.7	1.4	0.1	1230671
Dissolved Lead (Pb)	ug/L	0.05	<0.02	0.06	0.02	1230671
Dissolved Lithium (Li)	ug/L	0.4	<0.2	0.5	0.2	1230671
Dissolved Manganese (Mn)	ug/L	14.6	30.3	43.4	0.02	1230671
Dissolved Molybdenum (Mo)	ug/L	0.26	0.29	0.30 (1)	0.02	1230671
Dissolved Nickel (Ni)	ug/L	<0.5	<0.5	1.0	0.5	1230671
Dissolved Potassium (K)	ug/L	663	418	1140	50	1230671
Dissolved Selenium (Se)	ug/L	0.5	0.5	1.4	0.5	1230671
Dissolved Silver (Ag)	ug/L	0.03	0.02	0.02	0.01	1230671
Dissolved Strontium (Sr)	ug/L	63.2	47.3	96.3	0.01	1230671
Dissolved Thallium (Tl)	ug/L	<0.05	<0.05	<0.05	0.05	1230671
Dissolved Tin (Sn)	ug/L	2.55 (1)	<0.05	0.14	0.05	1230671
Dissolved Titanium (Ti)	ug/L	<0.5	<0.5	0.8	0.5	1230671

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken

Maxxam Job #: A635289
Report Date: 2006/08/16

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31661	C31662	C31663		
Sampling Date		2006/07/31 12:06	2006/07/31 11:36	2006/07/31 15:09		
COC Number		08187534	08187534	08187534		
	Units	W44	W16	W82	RDL	QC Batch

Dissolved Uranium (U)	ug/L	0.14	0.16	0.20	0.01	1230671
Dissolved Vanadium (V)	ug/L	0.06	<0.05	<0.05	0.05	1230671
Dissolved Zinc (Zn)	ug/L	5.0 (f)	<0.5	44.6	0.5	1230671
Total Metals by ICP						
Total Boron (B)	mg/L	<0.008	<0.008	<0.008	0.008	1229582
Total Calcium (Ca)	mg/L	33.2	28.0	46.1	0.05	1229582
Total Iron (Fe)	mg/L	0.242	0.451	0.838	0.005	1229582
Total Magnesium (Mg)	mg/L	2.24	3.34	2.94	0.05	1229582
Total Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	0.1	1229582
Total Silicon (Si)	mg/L	4.22	3.41	3.12	0.05	1229582
Total Sodium (Na)	mg/L	1.16	1.01	1.22	0.05	1229582
Total Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	0.005	1229582
Total Metals by ICPMS						
Total Aluminum (Al)	ug/L	15.2	74.4	18.3	0.2	1230672
Total Antimony (Sb)	ug/L	<0.05	<0.05	0.05	0.05	1230672
Total Arsenic (As)	ug/L	0.2	0.2	0.2	0.1	1230672
Total Barium (Ba)	ug/L	139	74.7	170	0.02	1230672
Total Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	0.05	1230672
Total Bismuth (Bi)	ug/L	<0.05	<0.05	<0.05	0.05	1230672
Total Cadmium (Cd)	ug/L	<0.01	0.13	0.61	0.01	1230672
Total Chromium (Cr)	ug/L	<0.2	<0.2	0.3	0.2	1230672
Total Cobalt (Co)	ug/L	<0.02	0.14	0.04	0.02	1230672
Total Copper (Cu)	ug/L	1.0	1.5	1.3	0.1	1230672
Total Lead (Pb)	ug/L	<0.02	0.08	0.10	0.02	1230672
Total Lithium (Li)	ug/L	0.2	0.3	0.6	0.2	1230672
Total Manganese (Mn)	ug/L	15.5	87.9	48.5	0.02	1230672
Total Molybdenum (Mo)	ug/L	0.22	0.24	0.23	0.02	1230672
Total Nickel (Ni)	ug/L	<0.5	<0.5	1.2	0.5	1230672
Total Potassium (K)	ug/L	616	420	1090	50	1230672
Total Selenium (Se)	ug/L	0.7	<0.5	1.7	0.5	1230672
Total Silver (Ag)	ug/L	0.03	0.02	0.02	0.01	1230672
Total Strontium (Sr)	ug/L	63.1	48.6	98.5	0.01	1230672

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken

Your C.O.C. #: 08187327

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/08

This report dated: 2006/08/08 supersedes previous report dated: 2006/08/04

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A634229

Received: 2006/08/02, 15:01

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity - Water	1	2006/08/03	2006/08/03	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	1	N/A	2006/08/02	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	1	N/A	2006/08/03	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	1	N/A	2006/08/03	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	1	N/A	2006/08/03		
Elements by ICP-AES (dissolved)	1	2006/07/31	2006/08/01	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	1	2006/08/02	2006/08/02	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) @	2	N/A	2006/08/03	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	2	N/A	2006/08/01	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/03	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/03	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/03	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2006/08/03		
pH Water	1	N/A	2006/08/03	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	1	N/A	2006/08/03	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	1	N/A	2006/08/03	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/03	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	1	N/A	2006/08/03	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/03	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

Validated by :


DAVE HUANG

Total cover pages: 1

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C24431		
Sampling Date		2006/08/01		
COC Number		08187327		
	Units	WIS	RDL	QC Batch

Misc. Inorganics				
Bromide (Br)	mg/L	<0.1	0.1	1221142
Calculated Parameters				
Nitrate (N)	mg/L	0.827	0.002	1221604
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	190	0.5	1221602
Dissolved Organic Carbon (C)	mg/L	1.0	0.5	1221708
Alkalinity (Total as CaCO3)	mg/L	41.9	0.5	1221452
Alkalinity (PP as CaCO3)	mg/L	<0.5	0.5	1221452
Bicarbonate (HCO3)	mg/L	51.2	0.5	1221452
Carbonate (CO3)	mg/L	<0.5	0.5	1221452
Hydroxide (OH)	mg/L	<0.5	0.5	1221452
Anions				
Dissolved Sulphate (SO4)	mg/L	138	5	1221713
Chloride (Cl)	mg/L	0.6	0.5	1221714
Nutrients				
Orthophosphate (P)	mg/L	0.004	0.001	1221475
Ammonia (N)	mg/L	0.60	0.05	1221712
Nitrate plus Nitrite (N)	mg/L	0.850	0.002	1221764
Nitrite (N)	mg/L	0.023	0.002	1221776
Physical Properties				
pH	pH Units	7.6	0.1	1221449
Physical Properties				
Total Suspended Solids	mg/L	<4	4	1221428
Total Dissolved Solids	mg/L	280	10	1220482
Turbidity	NTU	4.4	0.1	1221107
RDL = Reportable Detection Limit				

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C24430	C24431		
Sampling Date		2006/08/01	2006/08/01		
COC Number		08187327	08187327		
	Units	PORTAL WATER	WIS	RDL	QC Batch

Dissolved Metals by ICP					
Dissolved Boron (B)	mg/L		0.014	0.008	1216756
Dissolved Calcium (Ca)	mg/L		56.2	0.05	1216756
Dissolved Iron (Fe)	mg/L		0.145	0.005	1216756
Dissolved Magnesium (Mg)	mg/L		11.9	0.05	1216756
Dissolved Phosphorus (P)	mg/L		<0.1	0.1	1216756
Dissolved Silicon (Si)	mg/L		3.60	0.05	1216756
Dissolved Sodium (Na)	mg/L		6.38	0.05	1216756
Dissolved Zirconium (Zr)	mg/L		<0.005	0.005	1216756
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L		1.2	0.2	1221092
Dissolved Antimony (Sb)	ug/L		2.66	0.05	1221092
Dissolved Arsenic (As)	ug/L		0.3	0.1	1221092
Dissolved Barium (Ba)	ug/L		44.4	0.02	1221092
Dissolved Beryllium (Be)	ug/L		<0.05	0.05	1221092
Dissolved Bismuth (Bi)	ug/L		<0.05	0.05	1221092
Dissolved Cadmium (Cd)	ug/L		0.06	0.01	1221092
Dissolved Chromium (Cr)	ug/L		<0.2	0.2	1221092
Dissolved Cobalt (Co)	ug/L		4.04	0.02	1221092
Dissolved Copper (Cu)	ug/L		0.3	0.1	1221092
Dissolved Lead (Pb)	ug/L		0.11	0.02	1221092
Dissolved Lithium (Li)	ug/L		2.1	0.2	1221092
Dissolved Manganese (Mn)	ug/L		195	0.02	1221092
Dissolved Molybdenum (Mo)	ug/L		0.38	0.02	1221092
Dissolved Nickel (Ni)	ug/L		18.4	0.5	1221092
Dissolved Potassium (K)	ug/L		3300	50	1221092
Dissolved Selenium (Se)	ug/L		5.7	0.5	1221092
Dissolved Silver (Ag)	ug/L		0.02	0.01	1221092
Dissolved Strontium (Sr)	ug/L		398	0.01	1221092
Dissolved Thallium (Tl)	ug/L		0.09	0.05	1221092
Dissolved Tin (Sn)	ug/L		<0.05	0.05	1221092
Dissolved Titanium (Ti)	ug/L		<0.5	0.5	1221092
Dissolved Uranium (U)	ug/L		0.14	0.01	1221092
RDL = Reportable Detection Limit					

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C24430	C24431		
Sampling Date		2006/08/01	2006/08/01		
COC Number		08187327	08187327		
	Units	PORTAL WATER	WIS	RDL	QC Batch

Dissolved Vanadium (V)	ug/L		<0.05	0.05	1221092
Dissolved Zinc (Zn)	ug/L		15.6	0.5	1221092
Total Metals by ICP					
Total Boron (B)	mg/L	0.014	0.011	0.008	1217151
Total Calcium (Ca)	mg/L	52.9	56.2	0.05	1217151
Total Iron (Fe)	mg/L	1.61	1.20	0.005	1217151
Total Magnesium (Mg)	mg/L	11.8	11.9	0.05	1217151
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1217151
Total Silicon (Si)	mg/L	4.55	3.66	0.05	1217151
Total Sodium (Na)	mg/L	5.08	6.31	0.05	1217151
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1217151
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	57.0	5.3	0.2	1221141
Total Antimony (Sb)	ug/L	21.3	3.42	0.05	1221141
Total Arsenic (As)	ug/L	1.0	0.3	0.1	1221141
Total Barium (Ba)	ug/L	35.1	46.6	0.02	1221141
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1221141
Total Bismuth (Bi)	ug/L	0.06	<0.05	0.05	1221141
Total Cadmium (Cd)	ug/L	0.17	0.03	0.01	1221141
Total Chromium (Cr)	ug/L	0.5	<0.2	0.2	1221141
Total Cobalt (Co)	ug/L	2.02	4.24	0.02	1221141
Total Copper (Cu)	ug/L	1.3	0.4	0.1	1221141
Total Lead (Pb)	ug/L	2.59	0.22	0.02	1221141
Total Lithium (Li)	ug/L	2.1	2.1	0.2	1221141
Total Manganese (Mn)	ug/L	176	205	0.02	1221141
Total Molybdenum (Mo)	ug/L	2.26	0.41	0.02	1221141
Total Nickel (Ni)	ug/L	15.7	19.0	0.5	1221141
Total Potassium (K)	ug/L	2770	3280	50	1221141
Total Selenium (Se)	ug/L	3.2	6.2	0.5	1221141
Total Silver (Ag)	ug/L	0.09	0.03	0.01	1221141
Total Strontium (Sr)	ug/L	430	407	0.01	1221141
Total Thallium (Tl)	ug/L	0.08	0.09	0.05	1221141
Total Tin (Sn)	ug/L	0.06	<0.05	0.05	1221141

RDL = Reportable Detection Limit

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C24430	C24431		
Sampling Date		2006/08/01	2006/08/01		
COC Number		08187327	08187327		
	Units	PORTAL WATER	WIS	RDL	QC Batch

Total Titanium (Ti)	ug/L	2.5	0.6	0.5	1221141
Total Uranium (U)	ug/L	5.66	0.33	0.01	1221141
Total Vanadium (V)	ug/L	0.35	1.47	0.05	1221141
Total Zinc (Zn)	ug/L	23.2	10.6	0.5	1221141

RDL = Reportable Detection Limit

Your C.O.C. #: 08187505

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/04

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A634574

Received: 2006/08/04, 9:35

Sample Matrix: Water
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Hardness (calculated as CaCO3)	4	N/A	2006/08/04		
Elements by ICP-AES (dissolved)	4	2006/08/02	2006/08/02	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	4	2006/08/04	2006/08/04	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) @	9	N/A	2006/08/04	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	9	N/A	2006/08/03	ING101 Rev 4.0	Based on EPA 6010B

(1) SCC/CAEAL

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

ELKA DADMAND,
Email: cdadmand@maxxamanalytics.com
Phone# (604) 444-4808 Ext:230

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CAEAL have approved this reporting process and electronic report format.

Total cover pages: 1

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C26599	C26603	C26608	C26617		
Sampling Date		2006/08/03	2006/08/03	2006/08/03	2006/08/03		
COC Number		08187505	08187505	08187505	08187505		
	Units	WDS10	WDS20	WDS30	WDS	RDL	QC Batch

Misc. Inorganics							
Dissolved Hardness (CaCO3)	mg/L	190	190	190	200	0.5	1223945

RDL = Reportable Detection Limit

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26599	C26603	C26608	C26611		
Sampling Date		2006/08/03	2006/08/03	2006/08/03	2006/08/03		
COC Number		08187505	08187505	08187505	08187505		
	Units	WDS10	WDS20	WDS30	WIS10	RDL	QC Batch

Dissolved Metals by ICP							
Dissolved Boron (B)	mg/L	0.018	0.016	0.018		0.008	1221088
Dissolved Calcium (Ca)	mg/L	57.4	57.2	57.5		0.05	1221088
Dissolved Iron (Fe)	mg/L	0.441	0.439	0.220		0.005	1221088
Dissolved Magnesium (Mg)	mg/L	12.5	12.5	12.5		0.05	1221088
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	<0.1		0.1	1221088
Dissolved Silicon (Si)	mg/L	3.75	3.73	3.73		0.05	1221088
Dissolved Sodium (Na)	mg/L	5.50	5.49	5.53		0.05	1221088
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005		0.005	1221088
Dissolved Metals by ICPMS							
Dissolved Aluminum (Al)	ug/L	<0.2	0.2	<0.2		0.2	1223646
Dissolved Antimony (Sb)	ug/L	2.49	2.46	2.38		0.05	1223646
Dissolved Arsenic (As)	ug/L	0.4	0.2	0.5		0.1	1223646
Dissolved Barium (Ba)	ug/L	29.6	29.2	29.3		0.02	1223646
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	<0.05		0.05	1223646
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	<0.05		0.05	1223646
Dissolved Cadmium (Cd)	ug/L	<0.01	0.01	0.01		0.01	1223646
Dissolved Chromium (Cr)	ug/L	<0.2	<0.2	<0.2		0.2	1223646
Dissolved Cobalt (Co)	ug/L	4.58	4.61	4.47		0.02	1223646
Dissolved Copper (Cu)	ug/L	<0.1	<0.1	<0.1		0.1	1223646
Dissolved Lead (Pb)	ug/L	<0.02	<0.02	<0.02		0.02	1223646
Dissolved Lithium (Li)	ug/L	1.9	2.1	1.8		0.2	1223646
Dissolved Manganese (Mn)	ug/L	191	192	188		0.02	1223646
Dissolved Molybdenum (Mo)	ug/L	0.26	0.25	0.23		0.02	1223646
Dissolved Nickel (Ni)	ug/L	19.2	19.4	18.9		0.5	1223646
Dissolved Potassium (K)	ug/L	2640	2650	2620		50	1223646
Dissolved Selenium (Se)	ug/L	23.0	23.0	36.0		0.5	1223646
Dissolved Silver (Ag)	ug/L	0.03	0.11	0.05		0.01	1223646
Dissolved Strontium (Sr)	ug/L	430	425	428		0.01	1223646
Dissolved Thallium (Tl)	ug/L	0.06	0.06	0.06		0.05	1223646
Dissolved Tin (Sn)	ug/L	<0.05	<0.05	<0.05		0.05	1223646
Dissolved Titanium (Ti)	ug/L	<0.5	<0.5	<0.5		0.5	1223646
Dissolved Uranium (U)	ug/L	0.11	0.11	0.07		0.01	1223646
Dissolved Vanadium (V)	ug/L	<0.05	<0.05	<0.05		0.05	1223646

RDL = Reportable Detection Limit

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26599	C26603	C26608	C26611		
Sampling Date		2006/08/03	2006/08/03	2006/08/03	2006/08/03		
COC Number		08187505	08187505	08187505	08187505		
	Units	WDS10	WDS20	WDS30	WIS10	RDL	QC Batch
Dissolved Zinc (Zn)	ug/L	5.8	5.7	5.0		0.5	1223646
Total Metals by ICP							
Total Boron (B)	mg/L	0.017	0.013	0.020	0.019	0.008	1221910
Total Calcium (Ca)	mg/L	55.9	55.1	55.1	55.8	0.05	1221910
Total Iron (Fe)	mg/L	3.69	3.64	3.69	0.609	0.005	1221910
Total Magnesium (Mg)	mg/L	12.2	12.0	11.9	11.5	0.05	1221910
Total Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	<0.1	0.1	1221910
Total Silicon (Si)	mg/L	3.79	3.73	3.75	3.50	0.05	1221910
Total Sodium (Na)	mg/L	5.41	5.32	5.34	6.25	0.05	1221910
Total Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	<0.005	0.005	1221910
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	15.5	14.4	21.8	1.9	0.2	1223652
Total Antimony (Sb)	ug/L	4.22	4.13	4.28	2.81	0.05	1223652
Total Arsenic (As)	ug/L	0.3	0.2	0.2	0.2	0.1	1223652
Total Barium (Ba)	ug/L	30.4	30.4	31.1	43.2	0.02	1223652
Total Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	1223652
Total Bismuth (Bi)	ug/L	<0.05	0.06	<0.05	<0.05	0.05	1223652
Total Cadmium (Cd)	ug/L	0.03	0.03	0.04	0.02	0.01	1223652
Total Chromium (Cr)	ug/L	0.6	0.5	0.4	0.2	0.2	1223652
Total Cobalt (Co)	ug/L	4.88	4.73	4.77	4.17	0.02	1223652
Total Copper (Cu)	ug/L	<0.1	0.1	0.1	<0.1	0.1	1223652
Total Lead (Pb)	ug/L	0.48	0.51	0.47	0.05	0.02	1223652
Total Lithium (Li)	ug/L	2.0	2.0	2.1	1.9	0.2	1223652
Total Manganese (Mn)	ug/L	199	192	195	197	0.02	1223652
Total Molybdenum (Mo)	ug/L	0.46	0.44	0.45	0.41	0.02	1223652
Total Nickel (Ni)	ug/L	20.6	19.6	20.0	17.9	0.5	1223652
Total Potassium (K)	ug/L	2870	2710	2740	3300	50	1223652
Total Selenium (Se)	ug/L	32.6	37.8	35.9	4.6	0.5	1223652
Total Silver (Ag)	ug/L	0.03	0.14	0.06	0.04	0.01	1223652
Total Strontium (Sr)	ug/L	455	429	439	431	0.01	1223652
Total Thallium (Tl)	ug/L	0.06	0.06	0.06	0.09	0.05	1223652
Total Tin (Sn)	ug/L	0.07	0.13	0.06	<0.05	0.05	1223652
Total Titanium (Ti)	ug/L	2.6	2.7	2.7	0.6	0.5	1223652
Total Uranium (U)	ug/L	0.53	0.53	0.58	0.20	0.01	1223652
RDL = Reportable Detection Limit							

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26599	C26603	C26608	C26611		
Sampling Date		2006/08/03	2006/08/03	2006/08/03	2006/08/03		
COC Number		08187505	08187505	08187505	08187505		
	Units	WDS10	WDS20	WDS30	WIS10	RDL	QC Batch

Total Vanadium (V)	ug/L	4.72	4.59	4.70	0.66	0.05	1223652
Total Zinc (Zn)	ug/L	7.4	7.2	7.6	7.3	0.5	1223652

RDL = Reportable Detection Limit

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26613	C26614	C26615	C26616		
Sampling Date		2006/08/03	2006/08/03	2006/08/03	2006/08/03		
COC Number		08187505	08187505	08187505	08187505		
	Units	WIS20	WIS30	MINE10	MINE20	RDL	QC Batch

Total Metals by ICP							
Total Boron (B)	mg/L	0.018	0.015	0.012	0.008	0.008	1221910
Total Calcium (Ca)	mg/L	56.7	57.4	76.1	55.4	0.05	1221910
Total Iron (Fe)	mg/L	0.624	0.659	4.76	3.43	0.005	1221910
Total Magnesium (Mg)	mg/L	11.7	11.8	12.9	12.1	0.05	1221910
Total Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	<0.1	0.1	1221910
Total Silicon (Si)	mg/L	3.54	3.59	5.63	5.25	0.05	1221910
Total Sodium (Na)	mg/L	6.32	6.39	5.83	5.21	0.05	1221910
Total Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	<0.005	0.005	1221910
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	2.0	3.0	438	374	0.2	1223652
Total Antimony (Sb)	ug/L	2.86	2.91	24.0	22.1	0.05	1223652
Total Arsenic (As)	ug/L	0.3	0.2	1.8	1.7	0.1	1223652
Total Barium (Ba)	ug/L	43.8	43.2	84.0	70.9	0.02	1223652
Total Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	1223652
Total Bismuth (Bi)	ug/L	<0.05	<0.05	0.74	0.56	0.05	1223652
Total Cadmium (Cd)	ug/L	0.02	0.02	0.98	0.83	0.01	1223652
Total Chromium (Cr)	ug/L	0.3	0.3	1.8	1.1	0.2	1223652
Total Cobalt (Co)	ug/L	4.29	4.27	2.30	2.15	0.02	1223652
Total Copper (Cu)	ug/L	<0.1	<0.1	14.7	8.8	0.1	1223652
Total Lead (Pb)	ug/L	0.04	0.05	24.9	23.6	0.02	1223652
Total Lithium (Li)	ug/L	1.9	2.1	2.6	2.3	0.2	1223652
Total Manganese (Mn)	ug/L	199	201	200	188	0.02	1223652
Total Molybdenum (Mo)	ug/L	0.42	0.43	2.76	2.58	0.02	1223652
Total Nickel (Ni)	ug/L	18.5	18.7	16.7	15.9	0.5	1223652
Total Potassium (K)	ug/L	3340	3330	3150	2840	50	1223652
Total Selenium (Se)	ug/L	4.8	4.9	4.7	4.1	0.5	1223652
Total Silver (Ag)	ug/L	0.02	0.01	0.37	0.24	0.01	1223652
Total Strontium (Sr)	ug/L	434	448	484	462	0.01	1223652
Total Thallium (Tl)	ug/L	0.10	0.09	0.17	0.16	0.05	1223652
Total Tin (Sn)	ug/L	<0.05	<0.05	0.19	0.12	0.05	1223652
Total Titanium (Ti)	ug/L	<0.5	0.6	12.2	10.2	0.5	1223652
Total Uranium (U)	ug/L	0.20	0.21	5.76	5.68	0.01	1223652
Total Vanadium (V)	ug/L	0.65	0.69	2.59	2.18	0.05	1223652

RDL = Reportable Detection Limit

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26613	C26614	C26615	C26616		
Sampling Date		2006/08/03	2006/08/03	2006/08/03	2006/08/03		
COC Number		08187505	08187505	08187505	08187505		
	Units	WIS20	WIS30	MINE10	MINE20	RDL	QC Batch

Total Zinc (Zn)	ug/L	7.5	7.3	115	94.2	0.5	1223652
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RDL = Reportable Detection Limit

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26617		
Sampling Date		2006/08/03		
COC Number		08187505		
	Units	WDS	RDL	QC Batch

Dissolved Metals by ICP				
Dissolved Boron (B)	mg/L	0.021	0.008	1221088
Dissolved Calcium (Ca)	mg/L	58.0	0.05	1221088
Dissolved Iron (Fe)	mg/L	0.204	0.005	1221088
Dissolved Magnesium (Mg)	mg/L	12.6	0.05	1221088
Dissolved Phosphorus (P)	mg/L	<0.1	0.1	1221088
Dissolved Silicon (Si)	mg/L	3.77	0.05	1221088
Dissolved Sodium (Na)	mg/L	5.60	0.05	1221088
Dissolved Zirconium (Zr)	mg/L	<0.005	0.005	1221088
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	<0.2	0.2	1223646
Dissolved Antimony (Sb)	ug/L	2.31	0.05	1223646
Dissolved Arsenic (As)	ug/L	0.7	0.1	1223646
Dissolved Barium (Ba)	ug/L	28.3	0.02	1223646
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	1223646
Dissolved Bismuth (Bi)	ug/L	<0.05	0.05	1223646
Dissolved Cadmium (Cd)	ug/L	0.01	0.01	1223646
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	1223646
Dissolved Cobalt (Co)	ug/L	4.45	0.02	1223646
Dissolved Copper (Cu)	ug/L	<0.1	0.1	1223646
Dissolved Lead (Pb)	ug/L	<0.02	0.02	1223646
Dissolved Lithium (Li)	ug/L	2.0	0.2	1223646
Dissolved Manganese (Mn)	ug/L	186	0.02	1223646
Dissolved Molybdenum (Mo)	ug/L	0.25	0.02	1223646
Dissolved Nickel (Ni)	ug/L	18.4	0.5	1223646
Dissolved Potassium (K)	ug/L	2670	50	1223646
Dissolved Selenium (Se)	ug/L	35.2	0.5	1223646
Dissolved Silver (Ag)	ug/L	0.03	0.01	1223646
Dissolved Strontium (Sr)	ug/L	424	0.01	1223646
Dissolved Thallium (Tl)	ug/L	0.05	0.05	1223646
Dissolved Tin (Sn)	ug/L	<0.05	0.05	1223646
Dissolved Titanium (Ti)	ug/L	<0.5	0.5	1223646
Dissolved Uranium (U)	ug/L	0.08	0.01	1223646
Dissolved Vanadium (V)	ug/L	<0.05	0.05	1223646
RDL = Reportable Detection Limit				

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26617		
Sampling Date		2006/08/03		
COC Number		08187505		
	Units	WDS	RDL	QC Batch

Dissolved Zinc (Zn)	ug/L	4.6	0.5	1223646
Total Metals by ICP				
Total Boron (B)	mg/L	0.017	0.008	1221910
Total Calcium (Ca)	mg/L	55.4	0.05	1221910
Total Iron (Fe)	mg/L	3.66	0.005	1221910
Total Magnesium (Mg)	mg/L	12.1	0.05	1221910
Total Phosphorus (P)	mg/L	<0.1	0.1	1221910
Total Silicon (Si)	mg/L	3.79	0.05	1221910
Total Sodium (Na)	mg/L	5.39	0.05	1221910
Total Zirconium (Zr)	mg/L	<0.005	0.005	1221910
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	35.7	0.2	1223652
Total Antimony (Sb)	ug/L	4.34	0.05	1223652
Total Arsenic (As)	ug/L	0.3	0.1	1223652
Total Barium (Ba)	ug/L	33.4	0.02	1223652
Total Beryllium (Be)	ug/L	<0.05	0.05	1223652
Total Bismuth (Bi)	ug/L	<0.05	0.05	1223652
Total Cadmium (Cd)	ug/L	0.04	0.01	1223652
Total Chromium (Cr)	ug/L	0.8	0.2	1223652
Total Cobalt (Co)	ug/L	4.94	0.02	1223652
Total Copper (Cu)	ug/L	0.3	0.1	1223652
Total Lead (Pb)	ug/L	0.56	0.02	1223652
Total Lithium (Li)	ug/L	2.1	0.2	1223652
Total Manganese (Mn)	ug/L	204	0.02	1223652
Total Molybdenum (Mo)	ug/L	0.47	0.02	1223652
Total Nickel (Ni)	ug/L	20.7	0.5	1223652
Total Potassium (K)	ug/L	2930	50	1223652
Total Selenium (Se)	ug/L	35.2	0.5	1223652
Total Silver (Ag)	ug/L	0.03	0.01	1223652
Total Strontium (Sr)	ug/L	457	0.01	1223652
Total Thallium (Tl)	ug/L	0.06	0.05	1223652
Total Tin (Sn)	ug/L	0.11	0.05	1223652
Total Titanium (Ti)	ug/L	4.1	0.5	1223652
Total Uranium (U)	ug/L	0.54	0.01	1223652

RDL = Reportable Detection Limit

Maxxam Job #: A634574
Report Date: 2006/08/04

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: PL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C26617		
Sampling Date		2006/08/03		
COC Number		08187505		
	Units	WDS	RDL	QC Batch

Total Vanadium (V)	ug/L	4.77	0.05	1223652
Total Zinc (Zn)	ug/L	8.3	0.5	1223652

RDL = Reportable Detection Limit

Your C.O.C. #: 08187546

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/14

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A635249

Received: 2006/08/09, 14:55

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity - Water	1	2006/08/10	2006/08/10	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	1	N/A	2006/08/10	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry ☉	1	N/A	2006/08/09	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	1	N/A	2006/08/10	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	5	N/A	2006/08/10		
Elements by ICP-AES (dissolved)	5	2006/08/08	2006/08/09	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) ☉	5	2006/08/10	2006/08/10	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) ☉	5	N/A	2006/08/10	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	5	N/A	2006/08/10	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/09	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/11	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/11	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2006/08/10		
pH Water	1	N/A	2006/08/10	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	1	N/A	2006/08/09	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry ☉	1	N/A	2006/08/09	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/10	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids ☉	1	N/A	2006/08/10	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/10	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

Validated by :


ELKA DADMAND

Total cover pages: 1

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch

Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	180	180	0.5	1228667

RDL = Reportable Detection Limit

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch
Misc. Inorganics					
Bromide (Br)	mg/L	<0.1		0.1	1229061
Calculated Parameters					
Nitrate (N)	mg/L	0.105		0.002	1228669
Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	180	180	0.5	1228667
Dissolved Organic Carbon (C)	mg/L	1.1		0.5	1228790
Alkalinity (Total as CaCO3)	mg/L	50.2		0.5	1228443
Alkalinity (PP as CaCO3)	mg/L	<0.5		0.5	1228443
Bicarbonate (HCO3)	mg/L	61.3		0.5	1228443
Carbonate (CO3)	mg/L	<0.5		0.5	1228443
Hydroxide (OH)	mg/L	<0.5		0.5	1228443
Anions					
Dissolved Sulphate (SO4)	mg/L	130		5	1227505
Chloride (Cl)	mg/L	<0.5		0.5	1227507
Nutrients					
Orthophosphate (P)	mg/L	0.003		0.001	1228016
Ammonia (N)	mg/L	0.279		0.005	1226942
Nitrate plus Nitrite (N)	mg/L	0.114		0.002	1230896
Nitrite (N)	mg/L	0.009		0.002	1230918
Physical Properties					
pH	pH Units	7.7		0.1	1228440
Physical Properties					
Total Suspended Solids	mg/L	<4		4	1228496
Total Dissolved Solids	mg/L	288		10	1227135
Turbidity	NTU	1.5		0.1	1228410
RDL = Reportable Detection Limit					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	180	0.5	1228667

RDL = Reportable Detection Limit

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch
Dissolved Metals by ICP					
Dissolved Boron (B)	mg/L	0.015	0.013	0.008	1226424
Dissolved Calcium (Ca)	mg/L	53.0	53.3	0.05	1226424
Dissolved Iron (Fe)	mg/L	0.055	0.072	0.005	1226424
Dissolved Magnesium (Mg)	mg/L	11.9	12.0	0.05	1226424
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1226424
Dissolved Silicon (Si)	mg/L	3.47	3.49	0.05	1226424
Dissolved Sodium (Na)	mg/L	5.26	5.32	0.05	1226424
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1226424
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L	2.6	6.4 (1)	0.2	1228768
Dissolved Antimony (Sb)	ug/L	4.78	4.98	0.05	1228768
Dissolved Arsenic (As)	ug/L	0.3	0.5	0.1	1228768
Dissolved Barium (Ba)	ug/L	27.0	27.5	0.02	1228768
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Cadmium (Cd)	ug/L	0.03	0.06 (1)	0.01	1228768
Dissolved Chromium (Cr)	ug/L	0.2	0.3	0.2	1228768
Dissolved Cobalt (Co)	ug/L	3.83	3.84	0.02	1228768
Dissolved Copper (Cu)	ug/L	<0.1	0.2 (1)	0.1	1228768
Dissolved Lead (Pb)	ug/L	0.26	0.54 (1)	0.02	1228768
Dissolved Lithium (Li)	ug/L	1.7	1.8	0.2	1228768
Dissolved Manganese (Mn)	ug/L	174	174	0.02	1228768
Dissolved Molybdenum (Mo)	ug/L	0.40	0.54	0.02	1228768
Dissolved Nickel (Ni)	ug/L	16.4	16.2	0.5	1228768
Dissolved Potassium (K)	ug/L	2770	2770	50	1228768
Dissolved Selenium (Se)	ug/L	11.4	15.2	0.5	1228768
Dissolved Silver (Ag)	ug/L	0.02	0.03	0.01	1228768
Dissolved Strontium (Sr)	ug/L	411	422	0.01	1228768
Dissolved Thallium (Tl)	ug/L	0.06	0.06	0.05	1228768
Dissolved Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228768
RDL = Reportable Detection Limit (1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch
Total Silver (Ag)	ug/L	<0.01	<0.01	0.01	1228774
Total Strontium (Sr)	ug/L	418	411	0.01	1228774
Total Thallium (Tl)	ug/L	0.06	0.06	0.05	1228774
Total Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228774
Total Titanium (Ti)	ug/L	1.8	1.7	0.5	1228774
Total Uranium (U)	ug/L	1.09	1.12	0.01	1228774
Total Vanadium (V)	ug/L	3.79	3.91	0.05	1228774
Total Zinc (Zn)	ug/L	7.0	4.9	0.5	1228774
RDL = Reportable Detection Limit					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch

Dissolved Metals by ICP					
Dissolved Boron (B)	mg/L	0.015	0.015	0.008	1226424
Dissolved Calcium (Ca)	mg/L	53.6	53.2	0.05	1226424
Dissolved Iron (Fe)	mg/L	0.066	0.030	0.005	1226424
Dissolved Magnesium (Mg)	mg/L	12.0	12.0	0.05	1226424
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1226424
Dissolved Silicon (Si)	mg/L	3.50	3.47	0.05	1226424
Dissolved Sodium (Na)	mg/L	5.36	5.32	0.05	1226424
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1226424
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L	5.6 (1)	2.1	0.2	1228768
Dissolved Antimony (Sb)	ug/L	5.00	4.90	0.05	1228768
Dissolved Arsenic (As)	ug/L	0.4	0.4	0.1	1228768
Dissolved Barium (Ba)	ug/L	26.9	26.6	0.02	1228768
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Cadmium (Cd)	ug/L	0.07 (1)	0.08 (1)	0.01	1228768
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	0.2	1228768
Dissolved Cobalt (Co)	ug/L	3.71	3.66	0.02	1228768
Dissolved Copper (Cu)	ug/L	0.2	0.1	0.1	1228768
Dissolved Lead (Pb)	ug/L	0.54 (1)	0.39 (1)	0.02	1228768
Dissolved Lithium (Li)	ug/L	1.8	1.8	0.2	1228768
Dissolved Manganese (Mn)	ug/L	172	168	0.02	1228768
Dissolved Molybdenum (Mo)	ug/L	0.60	0.64	0.02	1228768
Dissolved Nickel (Ni)	ug/L	15.9	15.3	0.5	1228768
Dissolved Potassium (K)	ug/L	2740	2680	50	1228768
Dissolved Selenium (Se)	ug/L	14.0 (1)	11.6 (1)	0.5	1228768
Dissolved Silver (Ag)	ug/L	0.02	0.01	0.01	1228768
Dissolved Strontium (Sr)	ug/L	414	399	0.01	1228768
Dissolved Thallium (Tl)	ug/L	0.06	0.06	0.05	1228768
Dissolved Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Titanium (Ti)	ug/L	<0.5	<0.5	0.5	1228768

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken:

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch

Dissolved Uranium (U)	ug/L	0.54	0.48	0.01	1228768
Dissolved Vanadium (V)	ug/L	0.09	<0.05	0.05	1228768
Dissolved Zinc (Zn)	ug/L	12.0 (1)	11.1 (1)	0.5	1228768
Total Metals by ICP					
Total Boron (B)	mg/L	0.016	0.014	0.008	1227587
Total Calcium (Ca)	mg/L	54.3	54.4	0.05	1227587
Total Iron (Fe)	mg/L	1.32	1.31	0.005	1227587
Total Magnesium (Mg)	mg/L	12.1	12.0	0.05	1227587
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1227587
Total Silicon (Si)	mg/L	3.53	3.52	0.05	1227587
Total Sodium (Na)	mg/L	5.32	5.26	0.05	1227587
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1227587
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	2.9	3.3	0.2	1228774
Total Antimony (Sb)	ug/L	5.75	5.64	0.05	1228774
Total Arsenic (As)	ug/L	0.3	0.3	0.1	1228774
Total Barium (Ba)	ug/L	27.5	27.7	0.02	1228774
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228774
Total Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228774
Total Cadmium (Cd)	ug/L	0.05	0.04	0.01	1228774
Total Chromium (Cr)	ug/L	0.7	0.4	0.2	1228774
Total Cobalt (Co)	ug/L	3.77	3.65	0.02	1228774
Total Copper (Cu)	ug/L	<0.1	<0.1	0.1	1228774
Total Lead (Pb)	ug/L	0.11	0.12	0.02	1228774
Total Lithium (Li)	ug/L	1.9	1.8	0.2	1228774
Total Manganese (Mn)	ug/L	176	171	0.02	1228774
Total Molybdenum (Mo)	ug/L	0.73	0.73	0.02	1228774
Total Nickel (Ni)	ug/L	16.0	16.0	0.5	1228774
Total Potassium (K)	ug/L	2810	2750	50	1228774
Total Selenium (Se)	ug/L	11.7	9.5	0.5	1228774
Total Silver (Ag)	ug/L	<0.01	0.05	0.01	1228774
Total Strontium (Sr)	ug/L	419	414	0.01	1228774

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch

Total Thallium (Tl)	ug/L	0.06	0.06	0.05	1228774
Total Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228774
Total Titanium (Ti)	ug/L	1.0	1.1	0.5	1228774
Total Uranium (U)	ug/L	0.78	0.79	0.01	1228774
Total Vanadium (V)	ug/L	1.77	1.72	0.05	1228774
Total Zinc (Zn)	ug/L	8.5	8.4	0.5	1228774

RDL = Reportable Detection Limit

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Dissolved Metals by ICP				
Dissolved Boron (B)	mg/L	0.013	0.008	1226424
Dissolved Calcium (Ca)	mg/L	52.9	0.05	1226424
Dissolved Iron (Fe)	mg/L	0.481	0.005	1226424
Dissolved Magnesium (Mg)	mg/L	11.9	0.05	1226424
Dissolved Phosphorus (P)	mg/L	<0.1	0.1	1226424
Dissolved Silicon (Si)	mg/L	4.64	0.05	1226424
Dissolved Sodium (Na)	mg/L	4.98	0.05	1226424
Dissolved Zirconium (Zr)	mg/L	<0.005	0.005	1226424
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	2.8	0.2	1228768
Dissolved Antimony (Sb)	ug/L	17.3	0.05	1228768
Dissolved Arsenic (As)	ug/L	1.5	0.1	1228768
Dissolved Barium (Ba)	ug/L	26.9	0.02	1228768
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	1228768
Dissolved Bismuth (Bi)	ug/L	<0.05	0.05	1228768
Dissolved Cadmium (Cd)	ug/L	0.02	0.01	1228768
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	1228768
Dissolved Cobalt (Co)	ug/L	1.58	0.02	1228768
Dissolved Copper (Cu)	ug/L	<0.1	0.1	1228768
Dissolved Lead (Pb)	ug/L	0.12	0.02	1228768
Dissolved Lithium (Li)	ug/L	1.6	0.2	1228768
Dissolved Manganese (Mn)	ug/L	143	0.02	1228768
Dissolved Molybdenum (Mo)	ug/L	1.63	0.02	1228768
Dissolved Nickel (Ni)	ug/L	12.0	0.5	1228768
Dissolved Potassium (K)	ug/L	2590	50	1228768
Dissolved Selenium (Se)	ug/L	44.9 (1)	0.5	1228768
Dissolved Silver (Ag)	ug/L	<0.01	0.01	1228768
Dissolved Strontium (Sr)	ug/L	426	0.01	1228768
Dissolved Thallium (Tl)	ug/L	<0.05	0.05	1228768
Dissolved Tin (Sn)	ug/L	<0.05	0.05	1228768

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Dissolved Titanium (Ti)	ug/L	<0.5	0.5	1228768
Dissolved Uranium (U)	ug/L	6.44	0.01	1228768
Dissolved Vanadium (V)	ug/L	<0.05	0.05	1228768
Dissolved Zinc (Zn)	ug/L	13.3	0.5	1228768
Total Metals by ICP				
Total Boron (B)	mg/L	0.012	0.008	1227587
Total Calcium (Ca)	mg/L	56.9	0.05	1227587
Total Iron (Fe)	mg/L	0.910	0.005	1227587
Total Magnesium (Mg)	mg/L	12.6	0.05	1227587
Total Phosphorus (P)	mg/L	<0.1	0.1	1227587
Total Silicon (Si)	mg/L	4.93	0.05	1227587
Total Sodium (Na)	mg/L	5.22	0.05	1227587
Total Zirconium (Zr)	mg/L	<0.005	0.005	1227587
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	33.2	0.2	1228774
Total Antimony (Sb)	ug/L	19.1	0.05	1228774
Total Arsenic (As)	ug/L	1.7	0.1	1228774
Total Barium (Ba)	ug/L	30.6	0.02	1228774
Total Beryllium (Be)	ug/L	<0.05	0.05	1228774
Total Bismuth (Bi)	ug/L	<0.05	0.05	1228774
Total Cadmium (Cd)	ug/L	0.07	0.01	1228774
Total Chromium (Cr)	ug/L	<0.2	0.2	1228774
Total Cobalt (Co)	ug/L	1.68	0.02	1228774
Total Copper (Cu)	ug/L	1.0	0.1	1228774
Total Lead (Pb)	ug/L	3.18	0.02	1228774
Total Lithium (Li)	ug/L	1.8	0.2	1228774
Total Manganese (Mn)	ug/L	150	0.02	1228774
Total Molybdenum (Mo)	ug/L	1.66	0.02	1228774
Total Nickel (Ni)	ug/L	13.0	0.5	1228774
Total Potassium (K)	ug/L	2590	50	1228774
Total Selenium (Se)	ug/L	39.1	0.5	1228774
Total Silver (Ag)	ug/L	0.02	0.01	1228774
Total Strontium (Sr)	ug/L	434	0.01	1228774
RDL = Reportable Detection Limit				

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Total Thallium (Tl)	ug/L	0.06	0.05	1228774
Total Tin (Sn)	ug/L	<0.05	0.05	1228774
Total Titanium (Ti)	ug/L	0.9	0.5	1228774
Total Uranium (U)	ug/L	6.53	0.01	1228774
Total Vanadium (V)	ug/L	0.13	0.05	1228774
Total Zinc (Zn)	ug/L	14.7	0.5	1228774

RDL = Reportable Detection Limit



CERTIFICATE OF ANALYSIS

Date: August 28, 2006
ALS File No. Z1179
Report On: Water Analysis
Report To: **Yukon Zinc Corporation**
701 - 475 Howe Street
Vancouver, BC
V6C 2B3
Attention: **Ms. Pamela Ladyman**
Received: August 15, 2006

ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Account Manager
Can Dang, B.Sc. - Senior Account Manager

File No. Z1179

REMARKS



Some of the metals detection limits were increased due to high levels of metals in these samples.

For some of the submitted water samples, the measured concentration of specific dissolved parameters is greater than the corresponding total parameters concentration. The explanation for these findings is one or a combination of the following:

- laboratory method variability;
- field sampling method variability;
- bias introduced during general handling, storage, transportation and/or analysis of the sample;
- field sample grab bias - where separate grab samples are processed to produce total and dissolved samples;
- field sample split bias - where total and dissolved parameters samples are produced from the same grab sample.

For further clarification on any of the above information, please contact your ALS representative.

File No. Z1179

RESULTS OF ANALYSIS - Water



Sample ID	WRS- UNTREATD	WRS- UNTREATD 24HRS	WRS- UNTREATD 48HRS	WRS500 24HRS	WRS500 48HRS
Sample Date	06-08-09	06-08-10	06-08-11	06-08-10	06-08-11
ALS ID	1	2	3	4	5

Physical Tests

Hardness	CaCO3	823	823	811	822	593
Total Suspended Solids		-	-	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water



Sample ID		WRS- UNTREATD	WRS- UNTREATD 24HRS	WRS- UNTREATD 48HRS	WRS500 24HRS	WRS500 48HRS
Sample Date		06-08-09	06-08-10	06-08-11	06-08-10	06-08-11
ALS ID		1	2	3	4	5
Total Metals						
Aluminum	T-Al	0.228	0.0998	0.293	0.0931	0.0261
Antimony	T-Sb	0.0276	0.0255	0.0273	0.00171	0.00100
Arsenic	T-As	0.00089	0.00072	0.00077	<0.00050	<0.00050
Barium	T-Ba	0.0793	0.0694	0.0748	0.0665	0.0269
Beryllium	T-Be	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Bismuth	T-Bi	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Boron	T-B	0.144	0.133	0.142	0.120	0.116
Cadmium	T-Cd	0.0157	0.0145	0.0155	0.0144	0.00026
Calcium	T-Ca	280	279	275	279	196
Chromium	T-Cr	<0.0025	<0.0025	<0.0025	0.0043	<0.0025
Cobalt	T-Co	0.0266	0.0222	0.0240	0.0368	0.00069
Copper	T-Cu	0.0112	0.00765	0.00786	0.0102	0.00059
Iron	T-Fe	0.399	0.163	0.193	41.4	0.856
Lead	T-Pb	0.00532	0.00260	0.00188	0.00375	0.00031
Lithium	T-Li	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	T-Mg	30.3	30.4	30.3	30.7	25.0
Manganese	T-Mn	2.27	2.09	2.27	2.12	0.0345
Molybdenum	T-Mo	0.00559	0.00495	0.00543	0.00035	0.00498
Nickel	T-Ni	0.181	0.154	0.164	0.191	0.0036
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	9.0	25.7	25.4	17.3	14.9
Selenium	T-Se	0.319	0.296	0.315	0.255	0.294
Silicon	T-Si	4.36	4.22	4.14	4.14	0.439
Silver	T-Ag	<0.000050	<0.000050	<0.000050	0.000071	0.000608
Sodium	T-Na	33.5	34.3	34.2	34.5	253
Strontium	T-Sr	0.540	0.513	0.556	0.492	0.454
Thallium	T-Tl	0.00073	0.00066	0.00072	0.00064	<0.00050
Tin	T-Sn	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Titanium	T-Ti	0.016	<0.010	<0.010	0.011	<0.010
Uranium	T-U	0.0174	0.0161	0.0175	0.0157	0.00223
Vanadium	T-V	<0.0050	<0.0050	<0.0050	0.0097	<0.0050
Zinc	T-Zn	1.18	1.06	1.11	1.09	0.0241

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

File No. Z1179

RESULTS OF ANALYSIS - Water



Sample ID	WRS600 24HRS	WRS600 48HRS	WRS700 24HRS	WRS700 48HRS	WRS800 24HRS
Sample Date	06-08-10	06-08-11	06-08-10	06-08-11	06-08-10
ALS ID	6	7	8	9	10

Physical Tests

Hardness	CaCO3	800	821	818	795	804
Total Suspended Solids		-	-	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID		WRS600 24HRS	WRS600 48HRS	WRS700 24HRS	WRS700 48HRS	WRS800 24HRS
Sample Date		06-08-10	06-08-11	06-08-10	06-08-11	06-08-10
ALS ID		6	7	8	9	10
Total Metals						
Aluminum	T-Al	0.119	0.0293	0.118	0.0110	0.141
Antimony	T-Sb	0.00247	0.00111	0.00247	0.00095	0.00323
Arsenic	T-As	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Barium	T-Ba	0.0688	0.0574	0.0642	0.0562	0.0687
Beryllium	T-Be	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Bismuth	T-Bi	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Boron	T-B	0.134	0.124	0.117	0.125	0.127
Cadmium	T-Cd	0.0150	0.0119	0.0140	0.0122	0.0153
Calcium	T-Ca	271	280	279	271	274
Chromium	T-Cr	0.0058	<0.0025	0.0059	<0.0025	0.0079
Cobalt	T-Co	0.0428	0.0382	0.0420	0.0400	0.0480
Copper	T-Cu	0.0109	0.00169	0.0101	0.00113	0.0109
Iron	T-Fe	62.7	5.29	81.3	5.24	105
Lead	T-Pb	0.00674	0.00036	0.00398	<0.00025	0.00447
Lithium	T-Li	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	T-Mg	29.7	29.7	29.7	28.9	29.3
Manganese	T-Mn	2.27	2.19	2.15	2.24	2.35
Molybdenum	T-Mo	0.00058	<0.00025	0.00062	<0.00025	0.00074
Nickel	T-Ni	0.204	0.171	0.196	0.174	0.221
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	10.1	9.7	16.5	11.6	10.6
Selenium	T-Se	0.268	0.283	0.247	0.278	0.274
Silicon	T-Si	4.05	2.54	4.06	2.34	4.00
Silver	T-Ag	0.000061	<0.000050	<0.000050	<0.000050	<0.000050
Sodium	T-Na	33.6	174	34.9	188	34.7
Strontium	T-Sr	0.519	0.505	0.489	0.516	0.523
Thallium	T-Tl	0.00068	0.00064	0.00063	0.00062	0.00064
Tin	T-Sn	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Titanium	T-Ti	0.019	<0.010	0.024	<0.010	0.033
Uranium	T-U	0.0166	0.000770	0.0156	0.000689	0.0168
Vanadium	T-V	0.0203	0.0078	0.0234	0.0085	0.0362
Zinc	T-Zn	1.14	0.773	1.08	0.758	1.16

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

File No. Z1179

RESULTS OF ANALYSIS - Water



Sample ID		WRS800 48HRS	MINE WATER	WDS- AFTRFLOC 16HRS	WDS- AFTRFLOC 24HRS
Sample Date		06-08-11	06-08-12	06-08-13	06-08-13
ALS ID		11	12	13	14

Physical Tests

Hardness	CaCO3	745	179	174	164
Total Suspended Solids		-	-	-	<3.0

Nutrients

Ammonia Nitrogen	N	-	-	-	0.251
Nitrate Nitrogen	N	-	-	-	0.0795
Nitrite Nitrogen	N	-	-	-	0.0019

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID		WRS800 48HRS	MINE WATER	WDS- AFTRFLOC 16HRS	WDS- AFTRFLOC 24HRS
Sample Date		06-08-11	06-08-12	06-08-13	06-08-13
ALS ID		11	12	13	14
Total Metals					
Aluminum	T-Al	<0.0050	0.0327	0.0031	0.0021
Antimony	T-Sb	0.00064	0.0255	0.00713	0.00663
Arsenic	T-As	<0.00050	0.00104	<0.00010	<0.00010
Barium	T-Ba	0.0270	0.0387	0.0305	0.0289
Beryllium	T-Be	<0.0025	<0.00050	<0.00050	<0.00050
Bismuth	T-Bi	<0.0025	<0.00050	<0.00050	<0.00050
Boron	T-B	0.120	0.011	0.012	0.011
Cadmium	T-Cd	0.00048	0.000318	<0.000020	<0.000020
Calcium	T-Ca	253	-	-	-
Chromium	T-Cr	<0.0025	<0.00050	<0.00050	<0.00050
Cobalt	T-Co	0.00221	0.00179	0.00368	0.00351
Copper	T-Cu	<0.00080	0.00214	0.00052	0.00023
Iron	T-Fe	1.61	1.63	1.39	0.991
Lead	T-Pb	<0.00025	0.00767	0.000064	<0.000050
Lithium	T-Li	<0.025	<0.0050	<0.0050	<0.0050
Magnesium	T-Mg	27.8	-	-	-
Manganese	T-Mn	0.567	0.158	0.165	0.160
Molybdenum	T-Mo	0.00148	0.00180	0.000591	0.000570
Nickel	T-Ni	0.0122	0.0133	0.0158	0.0153
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	9.5	2.7	2.7	2.6
Selenium	T-Se	0.298	0.0087	0.0041	0.0027
Silicon	T-Si	0.511	4.39	3.43	3.34
Silver	T-Ag	<0.000050	<0.000010	<0.000010	<0.000010
Sodium	T-Na	273	5.3	5.2	5.0
Strontium	T-Sr	0.468	0.451	0.431	0.420
Thallium	T-Tl	0.00052	<0.00010	<0.00010	<0.00010
Tin	T-Sn	<0.00050	<0.00010	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010	<0.010	<0.010
Uranium	T-U	0.000981	0.00604	0.000606	0.000477
Vanadium	T-V	<0.0050	<0.0010	0.0019	0.0012
Zinc	T-Zn	0.0196	0.0384	0.0099	0.0082

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID		MINE WATER	WDS- AFTRFLOC 16HRS	WDS- AFTRFLOC 24HRS
Sample Date		06-08-12	06-08-13	06-08-13
ALS ID		12	13	14
Dissolved Metals				
Aluminum	D-Al	0.0033	0.0074	0.0014
Antimony	D-Sb	0.0212	0.00619	0.00609
Arsenic	D-As	0.00039	<0.00010	<0.00010
Barium	D-Ba	0.0309	0.0299	0.0296
Beryllium	D-Be	<0.00050	<0.00050	<0.00050
Bismuth	D-Bi	<0.00050	<0.00050	<0.00050
Boron	D-B	<0.010	0.012	0.012
Cadmium	D-Cd	0.000028	<0.000020	<0.000020
Calcium	D-Ca	51.7	49.9	46.4
Chromium	D-Cr	<0.00050	<0.00050	<0.00050
Cobalt	D-Co	0.00160	0.00369	0.00357
Copper	D-Cu	0.00033	0.00020	0.00021
Iron	D-Fe	0.780	0.130	0.118
Lead	D-Pb	0.000135	<0.000050	0.000055
Lithium	D-Li	<0.0050	<0.0050	<0.0050
Magnesium	D-Mg	12.3	12.0	11.7
Manganese	D-Mn	0.148	0.169	0.162
Molybdenum	D-Mo	0.00183	0.000524	0.000494
Nickel	D-Ni	0.0119	0.0156	0.0151
Phosphorus	D-P	<0.30	<0.30	<0.30
Potassium	D-K	2.7	2.7	2.5
Selenium	D-Se	0.0121	0.0035	0.0022
Silicon	D-Si	4.41	3.34	3.29
Silver	D-Ag	<0.000010	<0.000010	<0.000010
Sodium	D-Na	5.3	5.2	4.9
Strontium	D-Sr	0.442	0.436	0.427
Thallium	D-Tl	<0.00010	<0.00010	<0.00010
Tin	D-Sn	<0.00010	<0.00010	<0.00010
Titanium	D-Ti	<0.010	<0.010	<0.010
Uranium	D-U	0.00570	0.000289	0.000301
Vanadium	D-V	<0.0010	<0.0010	<0.0010
Zinc	D-Zn	0.0153	0.0137	0.0203

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

File No. Z1179

Appendix 1 - QUALITY CONTROL - Replicates



Water

WDS-
AFTRFLOC
16HRS
06-08-13

WDS-
AFTRFLOC
16HRS
QC #
516782

Physical Tests

Hardness

CaCO3

174

167

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

Appendix 1 - QUALITY CONTROL - Replicates



Water

WDS-
AFTRFLOC
16HRS
06-08-13WDS-
AFTRFLOC
16HRS
QC #
516782**Total Metals**

Aluminum	T-Al	0.0031	0.0035
Antimony	T-Sb	0.00713	0.00718
Arsenic	T-As	<0.00010	<0.00010
Barium	T-Ba	0.0305	0.0306
Beryllium	T-Be	<0.00050	<0.00050
Bismuth	T-Bi	<0.00050	<0.00050
Boron	T-B	0.012	0.012
Cadmium	T-Cd	<0.000020	<0.000020
Chromium	T-Cr	<0.00050	<0.00050
Cobalt	T-Co	0.00368	0.00367
Copper	T-Cu	0.00052	0.00048
Iron	T-Fe	1.39	1.38
Lead	T-Pb	0.000064	0.000070
Lithium	T-Li	<0.0050	<0.0050
Manganese	T-Mn	0.165	0.165
Molybdenum	T-Mo	0.000591	0.000611
Nickel	T-Ni	0.0158	0.0156
Phosphorus	T-P	<0.30	<0.30
Potassium	T-K	2.7	2.7
Selenium	T-Se	0.0041	0.0031
Silicon	T-Si	3.43	3.41
Silver	T-Ag	<0.000010	<0.000010
Sodium	T-Na	5.2	5.2
Strontium	T-Sr	0.431	0.431
Thallium	T-Tl	<0.00010	<0.00010
Tin	T-Sn	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010
Uranium	T-U	0.000606	0.000596
Vanadium	T-V	0.0019	0.0019
Zinc	T-Zn	0.0099	0.0099

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

Appendix 1 - QUALITY CONTROL - Replicates



Water	WDS- AFTRFLOC 16HRS 06-08-13	WDS- AFTRFLOC 16HRS QC # 516782
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Dissolved Metals

Aluminum	D-Al	0.0074	0.0066
Antimony	D-Sb	0.00619	0.00615
Arsenic	D-As	<0.00010	<0.00010
Barium	D-Ba	0.0299	0.0293
Beryllium	D-Be	<0.00050	<0.00050
Bismuth	D-Bi	<0.00050	<0.00050
Boron	D-B	0.012	0.012
Cadmium	D-Cd	<0.000020	<0.000020
Calcium	D-Ca	49.9	47.4
Chromium	D-Cr	<0.00050	<0.00050
Cobalt	D-Co	0.00369	0.00364
Copper	D-Cu	0.00020	0.00017
Iron	D-Fe	0.130	0.137
Lead	D-Pb	<0.000050	<0.000050
Lithium	D-Li	<0.0050	<0.0050
Magnesium	D-Mg	12.0	11.8
Manganese	D-Mn	0.169	0.163
Molybdenum	D-Mo	0.000524	0.000500
Nickel	D-Ni	0.0156	0.0154
Phosphorus	D-P	<0.30	<0.30
Potassium	D-K	2.7	2.6
Selenium	D-Se	0.0035	0.0033
Silicon	D-Si	3.34	3.31
Silver	D-Ag	<0.000010	<0.000010
Sodium	D-Na	5.2	4.9
Strontium	D-Sr	0.436	0.425
Thallium	D-Tl	<0.00010	<0.00010
Tin	D-Sn	<0.00010	<0.00010
Titanium	D-Ti	<0.010	<0.010
Uranium	D-U	0.000289	0.000290
Vanadium	D-V	<0.0010	<0.0010
Zinc	D-Zn	0.0137	0.0136

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

Your C.O.C. #: 08187610

Attention: PAMELA LADYMAN
Yukon Zinc Corporation
VANCOUVER
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/24

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A636580

Received: 2006/08/16, 13:20

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity - Water	2	2006/08/17	2006/08/18	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	2	N/A	2006/08/17	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry ☉	2	N/A	2006/08/19	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	2	N/A	2006/08/16	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	4	N/A	2006/08/16		
Elements by ICP-AES (dissolved)	4	2006/08/15	2006/08/16	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) ☉	4	2006/08/17	2006/08/17	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (as rec; low level) ☉	2	2006/08/17	2006/08/17	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) ☉	4	N/A	2006/08/17	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	4	N/A	2006/08/17	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/16	ING232 Rev.3.5	Based on SM-4500MH3G
Ammonia (N)	1	N/A	2006/08/23	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	2	N/A	2006/08/18	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	2	N/A	2006/08/18	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	2	N/A	2006/08/16		
Filter and HNO3 Preserve for Metals ☉	2	2006/08/22	2006/08/22	QAP103 Rev 1.2	Based on EPA 200.2
pH Water	2	N/A	2006/08/18	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	2	N/A	2006/08/21	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry ☉	2	N/A	2006/08/19	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	2	N/A	2006/08/18	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids ☉	1	N/A	2006/08/17	ING444 Rev.2.3	Based on SM - 2540 D
Total Suspended Solids ☉	1	N/A	2006/08/18	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	2	N/A	2006/08/17	ING 415 Rev.3.1	SM - 2130B

- (1) SCC/CAEAL
- (2)

Your C.O.C. #: 08187610

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
VANCOUVER
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/24

CERTIFICATE OF ANALYSIS

-2-

Validated by : 
ELKA DADMAND

Total cover pages: 2

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C39192	C39194		
Sampling Date		2006/08/15	2006/08/15		
COC Number		08187610	08187610		
	Units	WIS-PREFLOC	MINE WATER	RDL	QC Batch

Misc. Inorganics					
Bromide (Br)	mg/L		<0.1	0.1	1237552
Preparation					
Filter and HNO3 Preservation	N/A		Yes	N/A	1243751
Calculated Parameters					
Nitrate (N)	mg/L		0.036	0.002	1236045
Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	190	190	0.5	1236043
Dissolved Organic Carbon (C)	mg/L		1.4	0.5	1235673
Alkalinity (Total as CaCO3)	mg/L		106	0.5	1237380
Alkalinity (PP as CaCO3)	mg/L		<0.5	0.5	1237380
Bicarbonate (HCO3)	mg/L		130	0.5	1237380
Carbonate (CO3)	mg/L		<0.5	0.5	1237380
Hydroxide (OH)	mg/L		<0.5	0.5	1237380
Anions					
Dissolved Sulphate (SO4)	mg/L		76.4	0.5	1240104
Chloride (Cl)	mg/L		<0.5	0.5	1240101
Leachable Metals					
Total Selenium (Se)	ug/L		22.6	0.5	1236921
Nutrients					
Orthophosphate (P)	mg/L		0.001	0.001	1241320
Ammonia (N)	mg/L		0.250	0.005	1245428
Nitrate plus Nitrite (N)	mg/L		0.040	0.002	1238891
Nitrite (N)	mg/L		0.004	0.002	1238897
Physical Properties					
pH	pH Units		8.1	0.1	1237376
Physical Properties					
Total Suspended Solids	mg/L		7	4	1237599
Total Dissolved Solids	mg/L		248	10	1236540
Turbidity	NTU		6.3	0.1	1236255

RDL = Reportable Detection Limit

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C39195	C39196		
Sampling Date		2006/08/15	2006/08/15		
COC Number		08187610	08187610		
	Units	WIS-AFTERFLOC	WIS-AFTERFLOC B	RDL	QC Batch

Misc. Inorganics					
Bromide (Br)	mg/L	<0.1		0.1	1237552
Preparation					
Filter and HNO3 Preservation	N/A	Yes		N/A	1243751
Calculated Parameters					
Nitrate (N)	mg/L	0.007		0.002	1236045
Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	190	190	0.5	1236043
Dissolved Organic Carbon (C)	mg/L	1.2		0.5	1235673
Alkalinity (Total as CaCO3)	mg/L	55.4		0.5	1237380
Alkalinity (PP as CaCO3)	mg/L	<0.5		0.5	1237380
Bicarbonate (HCO3)	mg/L	67.6		0.5	1237380
Carbonate (CO3)	mg/L	<0.5		0.5	1237380
Hydroxide (OH)	mg/L	<0.5		0.5	1237380
Anions					
Dissolved Sulphate (SO4)	mg/L	119		5	1240104
Chloride (Cl)	mg/L	<0.5		0.5	1240101
Leachable Metals					
Total Selenium (Se)	ug/L	21.1		0.5	1236921
Nutrients					
Orthophosphate (P)	mg/L	0.001		0.001	1241320
Ammonia (N)	mg/L	0.268		0.005	1235080
Nitrate plus Nitrite (N)	mg/L	0.010		0.002	1238891
Nitrite (N)	mg/L	0.003		0.002	1238897
Physical Properties					
pH	pH Units	7.9		0.1	1237376
Physical Properties					
Total Suspended Solids	mg/L	4		4	1234943
Total Dissolved Solids	mg/L	270		10	1236540
Turbidity	NTU	4.0		0.1	1236255

RDL = Reportable Detection Limit

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C39192	C39194	C39195		
Sampling Date		2006/08/15	2006/08/15	2006/08/15		
COC Number		08187610	08187610	08187610		
	Units	WIS-PREFLOC	MINE WATER	WIS-AFTERFLOC	RDL	QC Batch

Dissolved Metals by ICP						
Dissolved Boron (B)	mg/L	0.010	0.009	0.011	0.008	1233969
Dissolved Calcium (Ca)	mg/L	54.9	55.4	55.0	0.05	1233969
Dissolved Iron (Fe)	mg/L	0.091	0.027	0.020	0.005	1233969
Dissolved Magnesium (Mg)	mg/L	12.2	12.5	12.2	0.05	1233969
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	0.1	1233969
Dissolved Silicon (Si)	mg/L	3.82	4.85	3.81	0.05	1233969
Dissolved Sodium (Na)	mg/L	5.19	5.09	5.21	0.05	1233969
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	0.005	1233969
Dissolved Metals by ICPMS						
Dissolved Aluminum (Al)	ug/L	0.8	3.2	0.5	0.2	1236542
Dissolved Antimony (Sb)	ug/L	6.05	17.9	5.73	0.05	1236542
Dissolved Arsenic (As)	ug/L	0.3	0.6	0.3	0.1	1236542
Dissolved Barium (Ba)	ug/L	30.9	31.2	30.0	0.02	1236542
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	0.05	1236542
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	<0.05	0.05	1236542
Dissolved Cadmium (Cd)	ug/L	0.04	0.03	0.04	0.01	1236542
Dissolved Chromium (Cr)	ug/L	<0.2	<0.2	0.6	0.2	1236542
Dissolved Cobalt (Co)	ug/L	3.81	1.47	3.81	0.02	1236542
Dissolved Copper (Cu)	ug/L	<0.1	0.3	0.1	0.1	1236542
Dissolved Lead (Pb)	ug/L	0.07	0.22	0.02	0.02	1236542
Dissolved Lithium (Li)	ug/L	2.0	1.7	2.3	0.2	1236542
Dissolved Manganese (Mn)	ug/L	188	160	189	0.02	1236542
Dissolved Molybdenum (Mo)	ug/L	0.69	1.81	0.73	0.02	1236542
Dissolved Nickel (Ni)	ug/L	16.5	10.4	15.4	0.5	1236542
Dissolved Potassium (K)	ug/L	2530	2160	2380	50	1236542
Dissolved Selenium (Se)	ug/L	3.8	7.3	8.0	0.5	1236542
Dissolved Silver (Ag)	ug/L	<0.01	<0.01	0.10	0.01	1236542
Dissolved Strontium (Sr)	ug/L	493	475	469	0.01	1236542
Dissolved Thallium (Tl)	ug/L	0.06	0.05	0.06	0.05	1236542
Dissolved Tin (Sn)	ug/L	<0.05	<0.05	<0.05	0.05	1236542
Dissolved Titanium (Ti)	ug/L	0.7	0.5	0.9	0.5	1236542
Dissolved Uranium (U)	ug/L	0.64	5.69	0.68	0.01	1236542
RDL = Reportable Detection Limit						

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C39192	C39194	C39195		
Sampling Date		2006/08/15	2006/08/15	2006/08/15		
COC Number		08187610	08187610	08187610		
	Units	WIS-PREFLOC	MINE WATER	WIS-AFTERFLOC	RDL	QC Batch
Dissolved Vanadium (V)	ug/L	<0.05	<0.05	<0.05	0.05	1236542
Dissolved Zinc (Zn)	ug/L	32.6	5.6	6.2	0.5	1236542
Total Metals by ICP						
Total Boron (B)	mg/L	<0.008	<0.008	<0.008	0.008	1237550
Total Calcium (Ca)	mg/L	53.1	51.0	52.3	0.05	1237550
Total Iron (Fe)	mg/L	1.20	0.918	1.01	0.005	1237550
Total Magnesium (Mg)	mg/L	11.1	10.8	11.1	0.05	1237550
Total Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	0.1	1237550
Total Silicon (Si)	mg/L	3.69	4.50	3.64	0.05	1237550
Total Sodium (Na)	mg/L	4.79	4.43	4.76	0.05	1237550
Total Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	0.005	1237550
Total Metals by ICPMS						
Total Aluminum (Al)	ug/L	7.6	72.4	4.8	0.2	1237535
Total Antimony (Sb)	ug/L	6.99	19.2	6.01	0.05	1237535
Total Arsenic (As)	ug/L	0.3	1.0	0.3	0.1	1237535
Total Barium (Ba)	ug/L	30.8	39.1	31.9	0.02	1237535
Total Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	0.05	1237535
Total Bismuth (Bi)	ug/L	<0.05	<0.05	<0.05	0.05	1237535
Total Cadmium (Cd)	ug/L	0.03	0.28	0.02	0.01	1237535
Total Chromium (Cr)	ug/L	0.5	0.5	0.6	0.2	1237535
Total Cobalt (Co)	ug/L	3.97	1.88	3.59	0.02	1237535
Total Copper (Cu)	ug/L	<0.1	1.9	0.2	0.1	1237535
Total Lead (Pb)	ug/L	0.33	4.30	0.28	0.02	1237535
Total Lithium (Li)	ug/L	1.9	2.0	2.6	0.2	1237535
Total Manganese (Mn)	ug/L	195	188	183	0.02	1237535
Total Molybdenum (Mo)	ug/L	1.00	2.06	0.74	0.02	1237535
Total Nickel (Ni)	ug/L	17.3	12.9	14.1	0.5	1237535
Total Potassium (K)	ug/L	2600	2450	2580	50	1237535
Total Selenium (Se)	ug/L	3.9	6.2	2.2	0.5	1237535
Total Silver (Ag)	ug/L	<0.01	0.03	0.03	0.01	1237535
Total Strontium (Sr)	ug/L	502	504	455	0.01	1237535
Total Thallium (Tl)	ug/L	0.06	0.07	0.06	0.05	1237535
Total Tin (Sn)	ug/L	<0.05	0.06	0.07	0.05	1237535
RDL = Reportable Detection Limit						

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C39192	C39194	C39195		
Sampling Date		2006/08/15	2006/08/15	2006/08/15		
COC Number		08187610	08187610	08187610		
	Units	WIS-PREFLOC	MINE WATER	WIS-AFTERFLOC	RDL	QC Batch
Total Titanium (Ti)	ug/L	2.1	2.7	1.2	0.5	1237535
Total Uranium (U)	ug/L	1.19	5.38	0.79	0.01	1237535
Total Vanadium (V)	ug/L	1.90	0.35	1.27	0.05	1237535
Total Zinc (Zn)	ug/L	11.4	23.1	6.6	0.5	1237535
RDL = Reportable Detection Limit						

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C39196		
Sampling Date		2006/08/15		
COC Number		08187610		
	Units	WIS-AFTERFLOC B	RDL	QC Batch

Dissolved Metals by ICP				
Dissolved Boron (B)	mg/L	0.012	0.008	1233969
Dissolved Calcium (Ca)	mg/L	56.4	0.05	1233969
Dissolved Iron (Fe)	mg/L	0.013	0.005	1233969
Dissolved Magnesium (Mg)	mg/L	12.6	0.05	1233969
Dissolved Phosphorus (P)	mg/L	<0.1	0.1	1233969
Dissolved Silicon (Si)	mg/L	3.92	0.05	1233969
Dissolved Sodium (Na)	mg/L	5.34	0.05	1233969
Dissolved Zirconium (Zr)	mg/L	<0.005	0.005	1233969
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	0.2	0.2	1236542
Dissolved Antimony (Sb)	ug/L	5.52	0.05	1236542
Dissolved Arsenic (As)	ug/L	0.5	0.1	1236542
Dissolved Barium (Ba)	ug/L	29.3	0.02	1236542
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	1236542
Dissolved Bismuth (Bi)	ug/L	<0.05	0.05	1236542
Dissolved Cadmium (Cd)	ug/L	0.02	0.01	1236542
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	1236542
Dissolved Cobalt (Co)	ug/L	3.57	0.02	1236542
Dissolved Copper (Cu)	ug/L	0.3	0.1	1236542
Dissolved Lead (Pb)	ug/L	0.03	0.02	1236542
Dissolved Lithium (Li)	ug/L	2.5	0.2	1236542
Dissolved Manganese (Mn)	ug/L	181	0.02	1236542
Dissolved Molybdenum (Mo)	ug/L	0.70	0.02	1236542
Dissolved Nickel (Ni)	ug/L	14.2	0.5	1236542
Dissolved Potassium (K)	ug/L	2410	50	1236542
Dissolved Selenium (Se)	ug/L	12.8	0.5	1236542
Dissolved Silver (Ag)	ug/L	0.05	0.01	1236542
Dissolved Strontium (Sr)	ug/L	450	0.01	1236542
Dissolved Thallium (Tl)	ug/L	0.05	0.05	1236542
Dissolved Tin (Sn)	ug/L	<0.05	0.05	1236542
Dissolved Titanium (Ti)	ug/L	0.6	0.5	1236542
Dissolved Uranium (U)	ug/L	0.62	0.01	1236542
RDL = Reportable Detection Limit				

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C39196		
Sampling Date		2006/08/15		
COC Number		08187610		
	Units	WIS-AFTERFLOC B	RDL	QC Batch

Dissolved Vanadium (V)	ug/L	<0.05	0.05	1236542
Dissolved Zinc (Zn)	ug/L	6.0	0.5	1236542
Total Metals by ICP				
Total Boron (B)	mg/L	0.008	0.008	1237550
Total Calcium (Ca)	mg/L	51.8	0.05	1237550
Total Iron (Fe)	mg/L	1.00	0.005	1237550
Total Magnesium (Mg)	mg/L	11.0	0.05	1237550
Total Phosphorus (P)	mg/L	<0.1	0.1	1237550
Total Silicon (Si)	mg/L	3.62	0.05	1237550
Total Sodium (Na)	mg/L	4.70	0.05	1237550
Total Zirconium (Zr)	mg/L	<0.005	0.005	1237550
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	6.4	0.2	1237535
Total Antimony (Sb)	ug/L	5.80	0.05	1237535
Total Arsenic (As)	ug/L	0.2	0.1	1237535
Total Barium (Ba)	ug/L	31.3	0.02	1237535
Total Beryllium (Be)	ug/L	<0.05	0.05	1237535
Total Bismuth (Bi)	ug/L	<0.05	0.05	1237535
Total Cadmium (Cd)	ug/L	0.02	0.01	1237535
Total Chromium (Cr)	ug/L	0.4	0.2	1237535
Total Cobalt (Co)	ug/L	3.57	0.02	1237535
Total Copper (Cu)	ug/L	<0.1	0.1	1237535
Total Lead (Pb)	ug/L	0.27	0.02	1237535
Total Lithium (Li)	ug/L	2.3	0.2	1237535
Total Manganese (Mn)	ug/L	179	0.02	1237535
Total Molybdenum (Mo)	ug/L	0.69	0.02	1237535
Total Nickel (Ni)	ug/L	14.5	0.5	1237535
Total Potassium (K)	ug/L	2390	50	1237535
Total Selenium (Se)	ug/L	16.8 (1)	0.5	1237535
Total Silver (Ag)	ug/L	0.09	0.01	1237535
Total Strontium (Sr)	ug/L	439	0.01	1237535
Total Thallium (Tl)	ug/L	0.06	0.05	1237535

RDL = Reportable Detection Limit
(1) Re-analysis result from undigested sample. Original result from digested sample was 1.8 ug/L.

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C39196		
Sampling Date		2006/08/15		
COC Number		08187610		
	Units	WIS-AFTERFLOC B	RDL	QC Batch

Total Tin (Sn)	ug/L	<0.05	0.05	1237535
Total Titanium (Ti)	ug/L	1.1	0.5	1237535
Total Uranium (U)	ug/L	0.76	0.01	1237535
Total Vanadium (V)	ug/L	1.15	0.05	1237535
Total Zinc (Zn)	ug/L	6.0	0.5	1237535

RDL = Reportable Detection Limit

Maxxam Job #: A636580
Report Date: 2006/08/24

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER) Comments

Sample C39192-01 Elements by ICPMS (dissolved): Dissolved metals sample field filtered. Some dissolved > total, reanalyzed and confirmed.

Results relate only to the Items tested.

Your C.O.C. #: 08187709

Attention: PAMELA LADYMAN
Yukon Zinc Corporation
VANCOUVER
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/31

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A638706

Received: 2006/08/24, 14:59

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity - Water	1	2006/08/24	2006/08/25	ING413 Rev.1.7	Based on SM2320B
Alkalinity - Water	3	2006/08/28	2006/08/28	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	4	N/A	2006/08/24	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	4	N/A	2006/08/25	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	4	N/A	2006/08/28	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	3	N/A	2006/08/25		
Elements by ICP-AES (dissolved)	1	2006/08/22	2006/08/23	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICP-AES (dissolved)	2	2006/08/25	2006/08/28	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	1	2006/08/24	2006/08/24	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (dissolved) @	2	2006/08/28	2006/08/28	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (as received)	5	2006/08/25	2006/08/25	ING111 Rev.1.9	Based on EPA 200.8
Elements by ICPMS (total) @	5	N/A	2006/08/25	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	1	N/A	2006/08/24	ING101 Rev 4.0	Based on EPA 6010B
Elements by ICP-AES (total)	4	N/A	2006/08/28	ING101 Rev 4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/23	ING232 Rev.3.5	Based on SM-4500MH3G
Ammonia (N)	3	N/A	2006/08/29	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/25	ING233 Rev.4.4	Based on EPA 353.2
Nitrate+Nitrite (N) (low level)	3	N/A	2006/08/29	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/25	ING233 Rev.4.4	EPA 353.2
Nitrite (N) (low level)	3	N/A	2006/08/29	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	4	N/A	2006/08/25		
Filter and HNO3 Preserve for Metals @	1	2006/08/30	2006/08/30	QAP103 Rev 1.2	Based on EPA 200.2
pH Water	1	N/A	2006/08/25	ING413 Rev.1.7	Based on SM-4500H+B
pH Water	3	N/A	2006/08/28	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	4	N/A	2006/08/28	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	4	N/A	2006/08/25	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/25	ING443 Rev.5.1	APHA 2540C
Total Dissolved Solids (Filt. Residue)	3	N/A	2006/08/29	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	4	N/A	2006/08/25	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/24	ING 415 Rev.3.1	SM - 2130B
Turbidity	3	N/A	2006/08/29	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

(2)

./2

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch

Dissolved Titanium (Ti)	ug/L	<0.5	<0.5	0.5	1228768
Dissolved Uranium (U)	ug/L	0.56	0.47	0.01	1228768
Dissolved Vanadium (V)	ug/L	0.07	0.10	0.05	1228768
Dissolved Zinc (Zn)	ug/L	28.9 (1)	39.3 (1)	0.5	1228768
Total Metals by ICP					
Total Boron (B)	mg/L	0.016	0.013	0.008	1227587
Total Calcium (Ca)	mg/L	55.1	54.8	0.05	1227587
Total Iron (Fe)	mg/L	2.84	3.02	0.005	1227587
Total Magnesium (Mg)	mg/L	12.3	12.2	0.05	1227587
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1227587
Total Silicon (Si)	mg/L	3.71	3.69	0.05	1227587
Total Sodium (Na)	mg/L	5.44	5.40	0.05	1227587
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1227587
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	7.1	4.5	0.2	1228774
Total Antimony (Sb)	ug/L	6.80	6.74	0.05	1228774
Total Arsenic (As)	ug/L	0.3	0.7	0.1	1228774
Total Barium (Ba)	ug/L	27.2	27.5	0.02	1228774
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228774
Total Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228774
Total Cadmium (Cd)	ug/L	0.01	0.02	0.01	1228774
Total Chromium (Cr)	ug/L	0.2	0.2	0.2	1228774
Total Cobalt (Co)	ug/L	3.83	3.72	0.02	1228774
Total Copper (Cu)	ug/L	<0.1	<0.1	0.1	1228774
Total Lead (Pb)	ug/L	0.26	0.24	0.02	1228774
Total Lithium (Li)	ug/L	1.9	1.9	0.2	1228774
Total Manganese (Mn)	ug/L	175	172	0.02	1228774
Total Molybdenum (Mo)	ug/L	0.82	0.81	0.02	1228774
Total Nickel (Ni)	ug/L	16.9	16.3	0.5	1228774
Total Potassium (K)	ug/L	2720	2670	50	1228774
Total Selenium (Se)	ug/L	17.3	15.0	0.5	1228774

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Your C.O.C. #: 08187709

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
VANCOUVER
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/31

CERTIFICATE OF ANALYSIS

-2-

Validated by :



DAVE HUANG

Total cover pages: 2

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch

Misc. Inorganics							
Bromide (Br)	mg/L	<0.1	1247230	<0.1		0.1	1247230
Preparation							
Filter and HNO3 Preservation	N/A				Yes	N/A	1253259
Calculated Parameters							
Nitrate (N)	mg/L	0.012	1247864	0.068		0.002	1247864
Misc. Inorganics							
Dissolved Hardness (CaCO3)	mg/L	180	1247862	190	190	0.5	1247862
Dissolved Organic Carbon (C)	mg/L	0.6	1250128	0.8		0.5	1250128
Alkalinity (Total as CaCO3)	mg/L	49.8	1246465	49.5		0.5	1249598
Alkalinity (PP as CaCO3)	mg/L	<0.5	1246465	<0.5		0.5	1249598
Bicarbonate (HCO3)	mg/L	60.7	1246465	60.4		0.5	1249598
Carbonate (CO3)	mg/L	<0.5	1246465	<0.5		0.5	1249598
Hydroxide (OH)	mg/L	<0.5	1246465	<0.5		0.5	1249598
Anions							
Dissolved Sulphate (SO4)	mg/L	129	1248338	131		5	1248338
Chloride (Cl)	mg/L	<0.5	1248311	<0.5		0.5	1248311
Nutrients							
Orthophosphate (P)	mg/L	0.004	1249766	0.005		0.001	1249766
Ammonia (N)	mg/L	0.281	1245428	0.240		0.005	1251445
Nitrate plus Nitrite (N)	mg/L	0.014	1248003	0.068		0.002	1250167
Nitrite (N)	mg/L	0.002	1248044	<0.002		0.002	1250172
Physical Properties							
pH	pH Units	7.9	1246462	8.0		0.1	1249591
Physical Properties							
Total Suspended Solids	mg/L	<4	1247232	6		4	1247232
Total Dissolved Solids	mg/L	262	1246591	244		10	1249954
Turbidity	NTU	2.9	1246011	3.2		0.1	1251149
RDL = Reportable Detection Limit							

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C50751		C50752		
Sampling Date		2006/08/22		2006/08/22		
COC Number		08187709		08187709		
	Units	MINE	RDL	WIS	RDL	QC Batch
				DISCHARGE-3.5HRS		
Misc. Inorganics						
Bromide (Br)	mg/L	<0.1	0.1	<0.1	0.1	1247230
Calculated Parameters						
Nitrate (N)	mg/L	0.004	0.002	0.009	0.002	1247864
Misc. Inorganics						
Dissolved Organic Carbon (C)	mg/L	0.6	0.5	0.6	0.5	1250128
Alkalinity (Total as CaCO3)	mg/L	109	0.5	54.5	0.5	1249598
Alkalinity (PP as CaCO3)	mg/L	<0.5	0.5	<0.5	0.5	1249598
Bicarbonate (HCO3)	mg/L	134	0.5	66.5	0.5	1249598
Carbonate (CO3)	mg/L	<0.5	0.5	<0.5	0.5	1249598
Hydroxide (OH)	mg/L	<0.5	0.5	<0.5	0.5	1249598
Anions						
Dissolved Sulphate (SO4)	mg/L	74.7	0.5	127	5	1248338
Chloride (Cl)	mg/L	<0.5	0.5	<0.5	0.5	1248311
Nutrients						
Orthophosphate (P)	mg/L	<0.001	0.001	0.003	0.001	1249766
Ammonia (N)	mg/L	0.206	0.005	0.248	0.005	1251445
Nitrate plus Nitrite (N)	mg/L	0.004	0.002	0.009	0.002	1250167
Nitrite (N)	mg/L	<0.002	0.002	<0.002	0.002	1250172
Physical Properties						
pH	pH Units	8.2	0.1	8.0	0.1	1249591
Physical Properties						
Total Suspended Solids	mg/L	4	4	<4	4	1247232
Total Dissolved Solids	mg/L	238	10	264	10	1249954
Turbidity	NTU	7.9	0.1	2.0	0.1	1251149
RDL = Reportable Detection Limit						

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch

Dissolved Metals by ICP							
Dissolved Boron (B)	mg/L	0.010	1243723	0.011	0.012	0.008	1248870
Dissolved Calcium (Ca)	mg/L	52.9	1243723	53.8	53.9	0.05	1248870
Dissolved Iron (Fe)	mg/L	0.227	1243723	0.229	<0.005	0.005	1248870
Dissolved Magnesium (Mg)	mg/L	11.9	1243723	12.5	12.5	0.05	1248870
Dissolved Phosphorus (P)	mg/L	<0.1	1243723	<0.1	<0.1	0.1	1248870
Dissolved Silicon (Si)	mg/L	3.84	1243723	3.85	3.82	0.05	1248870
Dissolved Sodium (Na)	mg/L	4.74	1243723	5.04	5.01	0.05	1248870
Dissolved Zirconium (Zr)	mg/L	<0.005	1243723	<0.005	<0.005	0.005	1248870
Dissolved Metals by ICPMS							
Dissolved Aluminum (Al)	ug/L	0.8	1246979	1.3	<0.2	0.2	1250005
Dissolved Antimony (Sb)	ug/L	2.90	1246979	3.16	3.20	0.05	1250005
Dissolved Arsenic (As)	ug/L	<0.1	1246979	0.1	0.3	0.1	1250005
Dissolved Barium (Ba)	ug/L	25.3	1246979	26.5	26.8	0.02	1250005
Dissolved Beryllium (Be)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Bismuth (Bi)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Cadmium (Cd)	ug/L	0.11 (1)	1246979	0.10 (1)	0.02	0.01	1250005
Dissolved Chromium (Cr)	ug/L	<0.2	1246979	<0.2	<0.2	0.2	1250005
Dissolved Cobalt (Co)	ug/L	3.69	1246979	3.56	3.19	0.02	1250005
Dissolved Copper (Cu)	ug/L	0.2	1246979	0.2	0.1	0.1	1250005
Dissolved Lead (Pb)	ug/L	0.04	1246979	0.03	<0.02	0.02	1250005
Dissolved Lithium (Li)	ug/L	1.8	1246979	2.0	2.2	0.2	1250005
Dissolved Manganese (Mn)	ug/L	157	1246979	151	146	0.02	1250005
Dissolved Molybdenum (Mo)	ug/L	0.36	1246979	0.37	0.38	0.02	1250005
Dissolved Nickel (Ni)	ug/L	13.9	1246979	13.8	12.7	0.5	1250005
Dissolved Potassium (K)	ug/L	2320	1246979	1980	1960	50	1250005
Dissolved Selenium (Se)	ug/L	2.3	1246979	2.8	7.6	0.5	1250005
Dissolved Silver (Ag)	ug/L	0.02	1246979	0.01	<0.01	0.01	1250005
Dissolved Strontium (Sr)	ug/L	440	1246979	457	449	0.01	1250005
Dissolved Thallium (Tl)	ug/L	0.06	1246979	0.05	<0.05	0.05	1250005
Dissolved Tin (Sn)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Titanium (Ti)	ug/L	0.7	1246979	<0.5	<0.5	0.5	1250005
Dissolved Uranium (U)	ug/L	0.36	1246979	0.36	0.39	0.01	1250005

RDL = Reportable Detection Limit

(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch

Dissolved Vanadium (V)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Zinc (Zn)	ug/L	13.4	1246979	13.8 (t)	3.5	0.5	1250005
Total Metals by ICP							
Total Boron (B)	mg/L	0.011	1247030	0.012	0.011	0.008	1248867
Total Calcium (Ca)	mg/L	53.2	1247030	53.8	54.6	0.05	1248867
Total Iron (Fe)	mg/L	1.05	1247030	1.07	1.03	0.005	1248867
Total Magnesium (Mg)	mg/L	12.3	1247030	12.3	12.5	0.05	1248867
Total Phosphorus (P)	mg/L	<0.1	1247030	<0.1	<0.1	0.1	1248867
Total Silicon (Si)	mg/L	3.89	1247030	3.92	3.97	0.05	1248867
Total Sodium (Na)	mg/L	4.85	1247030	4.91	5.00	0.05	1248867
Total Zirconium (Zr)	mg/L	<0.005	1247030	<0.005	<0.005	0.005	1248867
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	4.9	1248310	8.6	3.7	0.2	1248310
Total Antimony (Sb)	ug/L	3.58	1248310	3.54	3.57	0.05	1248310
Total Arsenic (As)	ug/L	0.2	1248310	0.2	0.2	0.1	1248310
Total Barium (Ba)	ug/L	24.6	1248310	24.9	26.4	0.02	1248310
Total Beryllium (Be)	ug/L	<0.05	1248310	<0.05	<0.05	0.05	1248310
Total Bismuth (Bi)	ug/L	<0.05	1248310	<0.05	<0.05	0.05	1248310
Total Cadmium (Cd)	ug/L	0.08	1248310	0.02	0.02	0.01	1248310
Total Chromium (Cr)	ug/L	<0.2	1248310	<0.2	0.3	0.2	1248310
Total Cobalt (Co)	ug/L	3.96	1248310	3.80	3.97	0.02	1248310
Total Copper (Cu)	ug/L	0.2	1248310	<0.1	<0.1	0.1	1248310
Total Lead (Pb)	ug/L	0.19	1248310	0.17	0.21	0.02	1248310
Total Lithium (Li)	ug/L	1.9	1248310	2.2	2.0	0.2	1248310
Total Manganese (Mn)	ug/L	167	1248310	163	163	0.02	1248310
Total Molybdenum (Mo)	ug/L	0.44	1248310	0.42	0.46	0.02	1248310
Total Nickel (Ni)	ug/L	14.6	1248310	15.0	14.9	0.5	1248310
Total Potassium (K)	ug/L	2490	1248310	2360	2090	50	1248310
Total Selenium (Se)	ug/L	3	1248192	3	6	1	1248192
Total Silver (Ag)	ug/L	0.02	1248310	0.01	0.05	0.01	1248310
Total Strontium (Sr)	ug/L	476	1248310	480	499	0.01	1248310
Total Thallium (Tl)	ug/L	0.05	1248310	0.05	0.06	0.05	1248310
Total Tin (Sn)	ug/L	<0.05	1248310	<0.05	<0.05	0.05	1248310

RDL = Reportable Detection Limit

(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch

Total Titanium (Ti)	ug/L	<0.5	1248310	1.2	0.8	0.5	1248310
Total Uranium (U)	ug/L	0.48	1248310	0.50	0.49	0.01	1248310
Total Vanadium (V)	ug/L	0.95	1248310	0.90	0.87	0.05	1248310
Total Zinc (Zn)	ug/L	4.7	1248310	7.0	19.9	0.5	1248310

RDL = Reportable Detection Limit

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50751	C50752		
Sampling Date		2006/08/22	2006/08/22		
COC Number		08187709	08187709		
	Units	MINE	WIS DISCHARGE-3.5HRS	RDL	QC Batch

Total Metals by ICP					
Total Boron (B)	mg/L	<0.008	0.014	0.008	1248867
Total Calcium (Ca)	mg/L	54.7	54.0	0.05	1248867
Total Iron (Fe)	mg/L	1.15	0.368	0.005	1248867
Total Magnesium (Mg)	mg/L	12.7	12.1	0.05	1248867
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1248867
Total Silicon (Si)	mg/L	4.83	3.66	0.05	1248867
Total Sodium (Na)	mg/L	4.67	5.17	0.05	1248867
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1248867
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	33.7	17.8	0.2	1248310
Total Antimony (Sb)	ug/L	17.5	5.46	0.05	1248310
Total Arsenic (As)	ug/L	1.0	0.2	0.1	1248310
Total Barium (Ba)	ug/L	29.9	27.8	0.02	1248310
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1248310
Total Bismuth (Bi)	ug/L	0.11	<0.05	0.05	1248310
Total Cadmium (Cd)	ug/L	0.22	0.02	0.01	1248310
Total Chromium (Cr)	ug/L	<0.2	<0.2	0.2	1248310
Total Cobalt (Co)	ug/L	0.99	3.75	0.02	1248310
Total Copper (Cu)	ug/L	1.0	0.2	0.1	1248310
Total Lead (Pb)	ug/L	4.77	0.16	0.02	1248310
Total Lithium (Li)	ug/L	2.1	2.1	0.2	1248310
Total Manganese (Mn)	ug/L	145	194	0.02	1248310
Total Molybdenum (Mo)	ug/L	2.27	0.71	0.02	1248310
Total Nickel (Ni)	ug/L	7.9	15.7	0.5	1248310
Total Potassium (K)	ug/L	2000	2380	50	1248310
Total Selenium (Se)	ug/L	17	7	1	1248192
Total Silver (Ag)	ug/L	0.04	0.01	0.01	1248310
Total Strontium (Sr)	ug/L	509	481	0.01	1248310
Total Thallium (Tl)	ug/L	0.09	0.06	0.05	1248310
Total Tin (Sn)	ug/L	<0.05	<0.05	0.05	1248310
Total Titanium (Ti)	ug/L	0.7	1.2	0.5	1248310
Total Uranium (U)	ug/L	5.46	0.65	0.01	1248310

RDL = Reportable Detection Limit

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50751	C50752		
Sampling Date		2006/08/22	2006/08/22		
COC Number		08187709	08187709		
	Units	MINE	WIS DISCHARGE-3.5HRS	RDL	QC Batch

Total Vanadium (V)	ug/L	0.07	0.21	0.05	1248310
Total Zinc (Zn)	ug/L	25.0	5.5	0.5	1248310

RDL = Reportable Detection Limit



CERTIFICATE OF ANALYSIS

Date: September 7, 2006
ALS File No. Z1630
Report On: Water Analysis
Report To: **Yukon Zinc Corporation**
701 - 475 Howe Street
Vancouver, BC
V6C 2B3
Attention: **Ms. Pamela Ladyman**
Received: August 24, 2006

ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Account Manager
Can Dang, B.Sc. - Senior Account Manager

File No. Z1630

REMARKS



Please note that Selenium analysis is reported by two different analytical methods. For samples WDS50 and MINE, the Selenium has been re-analyzed by ICPMS and found different then first reported in the interim report. Selenium analyzed by the hydride method are reported under " Sample ' ' ". All Selenium data are now in agreement.

For some of the submitted water samples, the measured concentration of specific dissolved parameters is greater than the corresponding total parameters concentration. The explanation for these findings is one or a combination of the following:

- laboratory method variability;
- field sampling method variability;
- bias introduced during general handling, storage, transportation and/or analysis of the sample;
- field sample grab bias - where separate grab samples are processed to produce total and dissolved samples;
- field sample split bias - where total and dissolved parameters samples are produced from the same grab sample.

For further clarification on any of the above information, please contact your ALS representative.

File No. Z1630

RESULTS OF ANALYSIS - Water



Sample ID	WDS40	MINE	WIS Dscharge 15 HRS
Sample Date	06-08-22	06-08-22	06-08-22
ALS ID	1	4	5

Physical Tests

Total Suspended Solids	3.2	<3.0	<3.0
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Nutrients

Ammonia Nitrogen	N	0.244	0.212	0.239
Nitrate Nitrogen	N	0.0084	<0.0050	<0.0050
Nitrite Nitrogen	N	0.0026	0.0017	0.0023

Remarks regarding the analyses appear at the beginning of this report.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water



Sample ID		WDS40	WDS50	WDS60	MINE	WIS Dcharge 15 HRS
Sample Date		06-08-22	06-08-22	06-08-22	06-08-22	06-08-22
ALS ID		1	2	3	4	5
Total Metals						
Aluminum	T-Al	0.0028	0.0024	0.0015	0.0220	0.0134
Antimony	T-Sb	0.00434	0.00436	0.00379	0.0203	0.00640
Arsenic	T-As	0.00013	<0.00010	<0.00010	0.00084	<0.00010
Barium	T-Ba	0.0291	0.0271	0.0254	0.0287	0.0281
Beryllium	T-Be	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth	T-Bi	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron	T-B	0.011	0.011	0.010	<0.010	0.011
Cadmium	T-Cd	0.000067	0.000064	<0.000050	0.000063	<0.000050
Calcium	T-Ca	51.4	51.8	46.8	51.0	51.7
Chromium	T-Cr	<0.00050	<0.00050	<0.00050	<0.0020	<0.00050
Cobalt	T-Co	0.00375	0.00375	0.00353	0.00099	0.00336
Copper	T-Cu	0.00037	0.00023	0.00015	0.00047	0.00028
Iron	T-Fe	0.988	0.990	0.751	0.747	0.381
Lead	T-Pb	0.000252	0.000197	0.000124	0.00230	0.000206
Lithium	T-Li	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium	T-Mg	12.7	12.7	11.9	12.7	12.4
Manganese	T-Mn	0.172	0.152	0.147	0.141	0.168
Molybdenum	T-Mo	0.000447	0.000411	0.000378	0.00217	0.000686
Nickel	T-Ni	0.0146	0.0146	0.0135	0.00815	0.0145
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	2.8	2.7	<2.0	2.5	3.0
Selenium	T-Se	0.0032	0.0016	0.0022	0.0043	0.0018
Silicon	T-Si	3.53	3.52	3.39	4.21	3.25
Silver	T-Ag	0.000012	<0.000010	<0.000010	<0.000010	<0.000010
Sodium	T-Na	5.8	5.4	4.1	5.1	5.7
Strontium	T-Sr	0.480	0.444	0.418	0.465	0.409
Thallium	T-Tl	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	T-Sn	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium	T-U	0.000522	0.000535	0.000453	0.00574	0.000696
Vanadium	T-V	0.0012	<0.0010	<0.0010	<0.0010	<0.0010
Zinc	T-Zn	0.0079	0.0066	0.0082	0.0110	0.0076

Remarks regarding the analyses appear at the beginning of this report.
 < = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID	WDS40	WDS50	WDS60
Sample Date	06-08-22	06-08-22	06-08-22
ALS ID	1	2	3
Dissolved Metals			
Aluminum D-Al	0.0015	<0.0010	<0.0010
Antimony D-Sb	0.00373	0.00350	0.00322
Arsenic D-As	<0.00010	<0.00010	<0.00010
Barium D-Ba	0.0298	0.0264	0.0243
Beryllium D-Be	<0.00050	<0.00050	<0.00050
Bismuth D-Bi	<0.00050	<0.00050	<0.00050
Boron D-B	0.011	0.011	<0.010
Cadmium D-Cd	0.000309	0.000050	<0.000050
Calcium D-Ca	52.5	51.5	46.5
Chromium D-Cr	<0.00050	<0.00050	<0.00050
Cobalt D-Co	0.00376	0.00365	0.00334
Copper D-Cu	0.00017	0.00014	<0.00010
Iron D-Fe	0.238	<0.030	<0.030
Lead D-Pb	0.000056	<0.000050	<0.000050
Lithium D-Li	<0.0050	<0.0050	<0.0050
Magnesium D-Mg	13.0	12.7	11.8
Manganese D-Mn	0.173	0.154	0.142
Molybdenum D-Mo	0.000377	0.000368	0.000361
Nickel D-Ni	0.0145	0.0142	0.0130
Phosphorus D-P	<0.30	<0.30	<0.30
Potassium D-K	2.8	2.7	<2.0
Selenium D-Se	0.0029	0.0022	0.0018
Silicon D-Si	3.53	3.45	3.31
Silver D-Ag	<0.000010	<0.000010	<0.000010
Sodium D-Na	5.6	5.4	4.1
Strontium D-Sr	0.483	0.444	0.409
Thallium D-Tl	<0.00010	<0.00010	<0.00010
Tin D-Sn	<0.00010	<0.00010	<0.00010
Titanium D-Ti	<0.010	<0.010	<0.010
Uranium D-U	0.000352	0.000371	0.000345
Vanadium D-V	<0.0010	<0.0010	<0.0010
Zinc D-Zn	0.0265	0.0052	0.0062

Remarks regarding the analyses appear at the beginning of this report.
 < = Less than the detection limit indicated.

File No. Z1630

RESULTS OF ANALYSIS - Water



Sample ID	WDS40	WDS60	MINE	WIS D'scharge 15 HRS
Sample Date	06-08-22	06-08-22	06-08-22	06-08-22
ALS ID	1'	3'	4'	5'

Total Metals

Aluminum	T-Al	-	-	-	-
Antimony	T-Sb	-	-	-	-
Arsenic	T-As	-	-	-	-
Barium	T-Ba	-	-	-	-
Beryllium	T-Be	-	-	-	-
Bismuth	T-Bi	-	-	-	-
Boron	T-B	-	-	-	-
Cadmium	T-Cd	-	-	-	-
Calcium	T-Ca	-	-	-	-
Chromium	T-Cr	-	-	-	-
Cobalt	T-Co	-	-	-	-
Copper	T-Cu	-	-	-	-
Iron	T-Fe	-	-	-	-
Lead	T-Pb	-	-	-	-
Lithium	T-Li	-	-	-	-
Magnesium	T-Mg	-	-	-	-
Manganese	T-Mn	-	-	-	-
Molybdenum	T-Mo	-	-	-	-
Nickel	T-Ni	-	-	-	-
Phosphorus	T-P	-	-	-	-
Potassium	T-K	-	-	-	-
Selenium	T-Se	0.00208	0.00175	0.00475	0.00150
Silicon	T-Si	-	-	-	-
Silver	T-Ag	-	-	-	-
Sodium	T-Na	-	-	-	-
Strontium	T-Sr	-	-	-	-
Thallium	T-Tl	-	-	-	-
Tin	T-Sn	-	-	-	-
Titanium	T-Ti	-	-	-	-
Uranium	T-U	-	-	-	-
Vanadium	T-V	-	-	-	-
Zinc	T-Zn	-	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
 < = Less than the detection limit indicated.

File No. Z1630

RESULTS OF ANALYSIS - Water



Sample ID	WDS40	WDS50	WDS60
Sample Date	06-08-22	06-08-22	06-08-22
ALS ID	1'	2'	3'

Dissolved Metals

Aluminum	D-Al	-	-	-
Antimony	D-Sb	-	-	-
Arsenic	D-As	-	-	-
Barium	D-Ba	-	-	-
Beryllium	D-Be	-	-	-
Bismuth	D-Bi	-	-	-
Boron	D-B	-	-	-
Cadmium	D-Cd	-	-	-
Calcium	D-Ca	-	-	-
Chromium	D-Cr	-	-	-
Cobalt	D-Co	-	-	-
Copper	D-Cu	-	-	-
Iron	D-Fe	-	-	-
Lead	D-Pb	-	-	-
Lithium	D-Li	-	-	-
Magnesium	D-Mg	-	-	-
Manganese	D-Mn	-	-	-
Molybdenum	D-Mo	-	-	-
Nickel	D-Ni	-	-	-
Phosphorus	D-P	-	-	-
Potassium	D-K	-	-	-
Selenium	D-Se	0.00200	0.00156	0.00148
Silicon	D-Si	-	-	-
Silver	D-Ag	-	-	-
Sodium	D-Na	-	-	-
Strontium	D-Sr	-	-	-
Thallium	D-Tl	-	-	-
Tin	D-Sn	-	-	-
Titanium	D-Ti	-	-	-
Uranium	D-U	-	-	-
Vanadium	D-V	-	-	-
Zinc	D-Zn	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
 < = Less than the detection limit indicated.



CERTIFICATE OF ANALYSIS

Date: September 6, 2006
ALS File No. Z1833
Report On: Wolverine Water Analysis
Report To: **Yukon Zinc Corporation**
701 - 475 Howe Street
Vancouver, BC
V6C 2B3
Attention: **Ms. Pamela Ladyman**
Received: August 29, 2006

ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Account Manager
Can Dang, B.Sc. - Senior Account Manager

File No. Z1833

RESULTS OF ANALYSIS - Water



Sample ID	WIS	PDS	Mine Water
Sample Date	06-08-27	06-08-27	06-08-27
Sample Time	14:00	14:00	14:00
ALS ID	1	2	3

Physical Tests

Hardness	CaCO3	163	159	165
Total Suspended Solids		<3.0	3.6	5.6

Nutrients

Ammonia Nitrogen	N	0.265	0.265	0.236
Nitrate Nitrogen	N	0.0054	0.0112	<0.0050
Nitrite Nitrogen	N	0.0016	0.0020	0.0019

Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID		WIS	PDS	Mine Water
Sample Date		06-08-27	06-08-27	06-08-27
Sample Time		14:00	14:00	14:00
ALS ID		1	2	3
Total Metals				
Aluminum	T-Al	0.0033	0.0267	0.0555
Antimony	T-Sb	0.00396	0.00860	0.0278
Arsenic	T-As	<0.00010	0.00011	0.00116
Barium	T-Ba	0.0264	0.0324	0.0331
Beryllium	T-Be	<0.00050	<0.00050	<0.00050
Bismuth	T-Bi	<0.00050	<0.00050	<0.00050
Boron	T-B	0.012	0.012	<0.010
Cadmium	T-Cd	<0.000050	0.000275	0.000169
Calcium	T-Ca	48.6	45.9	48.1
Chromium	T-Cr	<0.00050	<0.00050	0.00078
Cobalt	T-Co	0.00421	0.00343	0.00119
Copper	T-Cu	0.00030	0.00083	0.00145
Iron	T-Fe	1.23	1.07	0.983
Lead	T-Pb	0.000268	0.000390	0.0100
Lithium	T-Li	<0.0050	<0.0050	<0.0050
Magnesium	T-Mg	12.2	11.1	12.0
Manganese	T-Mn	0.155	0.160	0.128
Molybdenum	T-Mo	0.000268	0.000479	0.00197
Nickel	T-Ni	0.0152	0.0148	0.00897
Phosphorus	T-P	<0.30	<0.30	<0.30
Potassium	T-K	<2.0	<2.0	<2.0
Selenium	T-Se	0.0018	0.0021	0.0052
Silicon	T-Si	3.28	3.26	4.29
Silver	T-Ag	<0.000010	<0.000010	<0.000010
Sodium	T-Na	4.4	3.9	4.4
Strontium	T-Sr	0.419	0.386	0.446
Thallium	T-Tl	<0.00010	0.00018	<0.00010
Tin	T-Sn	<0.00010	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010	<0.010
Uranium	T-U	0.000365	0.00114	0.00624
Vanadium	T-V	0.0013	0.0014	<0.0010
Zinc	T-Zn	0.0096	0.0223	0.0267

Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID	WIS	PDS	Mine Water
Sample Date	06-08-27	06-08-27	06-08-27
Sample Time	14:00	14:00	14:00
ALS ID	1	2	3
Dissolved Metals			
Aluminum D-Al	0.0130	<0.0010	0.0017
Antimony D-Sb	0.00303	0.00761	0.0232
Arsenic D-As	<0.00010	<0.00010	0.00033
Barium D-Ba	0.0259	0.0301	0.0281
Beryllium D-Be	<0.00050	<0.00050	<0.00050
Bismuth D-Bi	<0.00050	<0.00050	<0.00050
Boron D-B	0.012	0.011	<0.010
Cadmium D-Cd	<0.000050	0.000276	<0.000050
Calcium D-Ca	46.1	45.4	46.7
Chromium D-Cr	<0.00050	<0.00050	<0.00050
Cobalt D-Co	0.00425	0.00334	0.00103
Copper D-Cu	<0.00030	<0.00030	<0.00020
Iron D-Fe	0.137	<0.030	<0.030
Lead D-Pb	<0.000050	<0.000050	<0.000050
Lithium D-Li	<0.0050	<0.0050	<0.0050
Magnesium D-Mg	11.6	11.0	11.6
Manganese D-Mn	0.156	0.157	0.118
Molybdenum D-Mo	0.000208	0.000433	0.00182
Nickel D-Ni	0.0152	0.0145	0.00799
Phosphorus D-P	<0.30	<0.30	<0.30
Potassium D-K	<2.0	<2.0	<2.0
Selenium D-Se	0.0014	0.0015	0.0039
Silicon D-Si	3.08	3.16	3.96
Silver D-Ag	<0.000010	<0.000010	<0.000010
Sodium D-Na	4.1	3.9	4.2
Strontium D-Sr	0.414	0.386	0.428
Thallium D-Tl	<0.00010	0.00019	<0.00010
Tin D-Sn	<0.00010	<0.00010	<0.00010
Titanium D-Ti	<0.010	<0.010	<0.010
Uranium D-U	0.000127	0.000565	0.00590
Vanadium D-V	<0.0010	<0.0010	<0.0010
Zinc D-Zn	0.0089	0.0195	0.0047

Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

Appendix B Waste Rock Pad Water Quality Lab Reports



CERTIFICATE OF ANALYSIS

Date: August 28, 2006
ALS File No. Z1179
Report On: Water Analysis
Report To: **Yukon Zinc Corporation**
701 - 475 Howe Street
Vancouver, BC
V6C 2B3
Attention: **Ms. Pamela Ladyman**
Received: August 15, 2006

ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Account Manager
Can Dang, B.Sc. - Senior Account Manager

File No. Z1179

REMARKS



Some of the metals detection limits were increased ddue to high levels of metals in these samples.

For some of the submitted water samples, the measured concentration of specific dissolved parameters is greater than the corresponding total parameters concentration. The explanation for these findings is one or a combination of the following:

- laboratory method variability;
- field sampling method variability;
- bias introduced during general handling, storage, transportation and/or analysis of the sample;
- field sample grab bias - where separate grab samples are processed to produce total and dissolved samples;
- field sample split bias - where total and dissolved parameters samples are produced from the same grab sample.

For further clarification on any of the above information, please contact your ALS representative.

File No. Z1179

RESULTS OF ANALYSIS - Water



Sample ID	WRS- UNTREATD	WRS- UNTREATD 24HRS	WRS- UNTREATD 48HRS	WRS500 24HRS	WRS500 48HRS
Sample Date	06-08-09	06-08-10	06-08-11	06-08-10	06-08-11
ALS ID	1	2	3	4	5

Physical Tests

Hardness	CaCO3	823	823	811	822	593
Total Suspended Solids		-	-	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water



Sample ID		WRS- UNTREATD	WRS- UNTREATD 24HRS	WRS- UNTREATD 48HRS	WRS500 24HRS	WRS500 48HRS
Sample Date		06-08-09	06-08-10	06-08-11	06-08-10	06-08-11
ALS ID		1	2	3	4	5
Total Metals						
Aluminum	T-Al	0.228	0.0998	0.293	0.0931	0.0261
Antimony	T-Sb	0.0276	0.0255	0.0273	0.00171	0.00100
Arsenic	T-As	0.00089	0.00072	0.00077	<0.00050	<0.00050
Barium	T-Ba	0.0793	0.0694	0.0748	0.0665	0.0269
Beryllium	T-Be	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Bismuth	T-Bi	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Boron	T-B	0.144	0.133	0.142	0.120	0.116
Cadmium	T-Cd	0.0157	0.0145	0.0155	0.0144	0.00026
Calcium	T-Ca	280	279	275	279	196
Chromium	T-Cr	<0.0025	<0.0025	<0.0025	0.0043	<0.0025
Cobalt	T-Co	0.0266	0.0222	0.0240	0.0368	0.00069
Copper	T-Cu	0.0112	0.00765	0.00786	0.0102	0.00059
Iron	T-Fe	0.399	0.163	0.193	41.4	0.856
Lead	T-Pb	0.00532	0.00260	0.00188	0.00375	0.00031
Lithium	T-Li	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	T-Mg	30.3	30.4	30.3	30.7	25.0
Manganese	T-Mn	2.27	2.09	2.27	2.12	0.0345
Molybdenum	T-Mo	0.00559	0.00495	0.00543	0.00035	0.00498
Nickel	T-Ni	0.181	0.154	0.164	0.191	0.0036
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	9.0	25.7	25.4	17.3	14.9
Selenium	T-Se	0.319	0.296	0.315	0.255	0.294
Silicon	T-Si	4.36	4.22	4.14	4.14	0.439
Silver	T-Ag	<0.000050	<0.000050	<0.000050	0.000071	0.000608
Sodium	T-Na	33.5	34.3	34.2	34.5	253
Strontium	T-Sr	0.540	0.513	0.556	0.492	0.454
Thallium	T-Tl	0.00073	0.00066	0.00072	0.00064	<0.00050
Tin	T-Sn	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Titanium	T-Ti	0.016	<0.010	<0.010	0.011	<0.010
Uranium	T-U	0.0174	0.0161	0.0175	0.0157	0.00223
Vanadium	T-V	<0.0050	<0.0050	<0.0050	0.0097	<0.0050
Zinc	T-Zn	1.18	1.06	1.11	1.09	0.0241

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

File No. Z1179

RESULTS OF ANALYSIS - Water



Sample ID	WRS600 24HRS	WRS600 48HRS	WRS700 24HRS	WRS700 48HRS	WRS800 24HRS	
Sample Date	06-08-10	06-08-11	06-08-10	06-08-11	06-08-10	
ALS ID	6	7	8	9	10	
<hr/>						
Physical Tests						
Hardness	CaCO3	800	821	818	795	804
Total Suspended Solids		-	-	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water



Sample ID		WRS600 24HRS	WRS600 48HRS	WRS700 24HRS	WRS700 48HRS	WRS800 24HRS
Sample Date		06-08-10	06-08-11	06-08-10	06-08-11	06-08-10
ALS ID		6	7	8	9	10
Total Metals						
Aluminum	T-Al	0.119	0.0293	0.118	0.0110	0.141
Antimony	T-Sb	0.00247	0.00111	0.00247	0.00095	0.00323
Arsenic	T-As	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Barium	T-Ba	0.0688	0.0574	0.0642	0.0562	0.0687
Beryllium	T-Be	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Bismuth	T-Bi	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Boron	T-B	0.134	0.124	0.117	0.125	0.127
Cadmium	T-Cd	0.0150	0.0119	0.0140	0.0122	0.0153
Calcium	T-Ca	271	280	279	271	274
Chromium	T-Cr	0.0058	<0.0025	0.0059	<0.0025	0.0079
Cobalt	T-Co	0.0428	0.0382	0.0420	0.0400	0.0480
Copper	T-Cu	0.0109	0.00169	0.0101	0.00113	0.0109
Iron	T-Fe	62.7	5.29	81.3	5.24	105
Lead	T-Pb	0.00674	0.00036	0.00398	<0.00025	0.00447
Lithium	T-Li	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	T-Mg	29.7	29.7	29.7	28.9	29.3
Manganese	T-Mn	2.27	2.19	2.15	2.24	2.35
Molybdenum	T-Mo	0.00058	<0.00025	0.00062	<0.00025	0.00074
Nickel	T-Ni	0.204	0.171	0.196	0.174	0.221
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	10.1	9.7	16.5	11.6	10.6
Selenium	T-Se	0.268	0.283	0.247	0.278	0.274
Silicon	T-Si	4.05	2.54	4.06	2.34	4.00
Silver	T-Ag	0.000061	<0.000050	<0.000050	<0.000050	<0.000050
Sodium	T-Na	33.6	174	34.9	188	34.7
Strontium	T-Sr	0.519	0.505	0.489	0.516	0.523
Thallium	T-Tl	0.00068	0.00064	0.00063	0.00062	0.00064
Tin	T-Sn	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Titanium	T-Ti	0.019	<0.010	0.024	<0.010	0.033
Uranium	T-U	0.0166	0.000770	0.0156	0.000689	0.0168
Vanadium	T-V	0.0203	0.0078	0.0234	0.0085	0.0362
Zinc	T-Zn	1.14	0.773	1.08	0.758	1.16

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

File No. Z1179

RESULTS OF ANALYSIS - Water



Sample ID	WRS800 48HRS	MINE WATER	WDS- AFTRFLOC 16HRS	WDS- AFTRFLOC 24HRS
Sample Date	06-08-11	06-08-12	06-08-13	06-08-13
ALS ID	11	12	13	14

Physical Tests

Hardness	CaCO3	745	179	174	164
Total Suspended Solids		-	-	-	<3.0

Nutrients

Ammonia Nitrogen	N	-	-	-	0.251
Nitrate Nitrogen	N	-	-	-	0.0795
Nitrite Nitrogen	N	-	-	-	0.0019

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID	WRS800 48HRS	MINE WATER	WDS- AFTRFLOC 16HRS	WDS- AFTRFLOC 24HRS
Sample Date	06-08-11	06-08-12	06-08-13	06-08-13
ALS ID	11	12	13	14

Total Metals

Aluminum	T-Al	<0.0050	0.0327	0.0031	0.0021
Antimony	T-Sb	0.00064	0.0255	0.00713	0.00663
Arsenic	T-As	<0.00050	0.00104	<0.00010	<0.00010
Barium	T-Ba	0.0270	0.0387	0.0305	0.0289
Beryllium	T-Be	<0.0025	<0.00050	<0.00050	<0.00050
Bismuth	T-Bi	<0.0025	<0.00050	<0.00050	<0.00050
Boron	T-B	0.120	0.011	0.012	0.011
Cadmium	T-Cd	0.00048	0.000318	<0.000020	<0.000020
Calcium	T-Ca	253	-	-	-
Chromium	T-Cr	<0.0025	<0.00050	<0.00050	<0.00050
Cobalt	T-Co	0.00221	0.00179	0.00368	0.00351
Copper	T-Cu	<0.00080	0.00214	0.00052	0.00023
Iron	T-Fe	1.61	1.63	1.39	0.991
Lead	T-Pb	<0.00025	0.00767	0.000064	<0.000050
Lithium	T-Li	<0.025	<0.0050	<0.0050	<0.0050
Magnesium	T-Mg	27.8	-	-	-
Manganese	T-Mn	0.567	0.158	0.165	0.160
Molybdenum	T-Mo	0.00148	0.00180	0.000591	0.000570
Nickel	T-Ni	0.0122	0.0133	0.0158	0.0153
Phosphorus	T-P	<0.30	<0.30	<0.30	<0.30
Potassium	T-K	9.5	2.7	2.7	2.6
Selenium	T-Se	0.298	0.0087	0.0041	0.0027
Silicon	T-Si	0.511	4.39	3.43	3.34
Silver	T-Ag	<0.000050	<0.000010	<0.000010	<0.000010
Sodium	T-Na	273	5.3	5.2	5.0
Strontium	T-Sr	0.468	0.451	0.431	0.420
Thallium	T-Tl	0.00052	<0.00010	<0.00010	<0.00010
Tin	T-Sn	<0.00050	<0.00010	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010	<0.010	<0.010
Uranium	T-U	0.000981	0.00604	0.000606	0.000477
Vanadium	T-V	<0.0050	<0.0010	0.0019	0.0012
Zinc	T-Zn	0.0196	0.0384	0.0099	0.0082

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID	MINE WATER	WDS- AFTRFLOC 16HRS	WDS- AFTRFLOC 24HRS
Sample Date	06-08-12	06-08-13	06-08-13
ALS ID	12	13	14

Dissolved Metals

Aluminum	D-Al	0.0033	0.0074	0.0014
Antimony	D-Sb	0.0212	0.00619	0.00609
Arsenic	D-As	0.00039	<0.00010	<0.00010
Barium	D-Ba	0.0309	0.0299	0.0296
Beryllium	D-Be	<0.00050	<0.00050	<0.00050
Bismuth	D-Bi	<0.00050	<0.00050	<0.00050
Boron	D-B	<0.010	0.012	0.012
Cadmium	D-Cd	0.000028	<0.000020	<0.000020
Calcium	D-Ca	51.7	49.9	46.4
Chromium	D-Cr	<0.00050	<0.00050	<0.00050
Cobalt	D-Co	0.00160	0.00369	0.00357
Copper	D-Cu	0.00033	0.00020	0.00021
Iron	D-Fe	0.780	0.130	0.118
Lead	D-Pb	0.000135	<0.000050	0.000055
Lithium	D-Li	<0.0050	<0.0050	<0.0050
Magnesium	D-Mg	12.3	12.0	11.7
Manganese	D-Mn	0.148	0.169	0.162
Molybdenum	D-Mo	0.00183	0.000524	0.000494
Nickel	D-Ni	0.0119	0.0156	0.0151
Phosphorus	D-P	<0.30	<0.30	<0.30
Potassium	D-K	2.7	2.7	2.5
Selenium	D-Se	0.0121	0.0035	0.0022
Silicon	D-Si	4.41	3.34	3.29
Silver	D-Ag	<0.000010	<0.000010	<0.000010
Sodium	D-Na	5.3	5.2	4.9
Strontium	D-Sr	0.442	0.436	0.427
Thallium	D-Tl	<0.00010	<0.00010	<0.00010
Tin	D-Sn	<0.00010	<0.00010	<0.00010
Titanium	D-Ti	<0.010	<0.010	<0.010
Uranium	D-U	0.00570	0.000289	0.000301
Vanadium	D-V	<0.0010	<0.0010	<0.0010
Zinc	D-Zn	0.0153	0.0137	0.0203

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

File No. Z1179

Appendix 1 - QUALITY CONTROL - Replicates



Water

WDS-
AFTRFLOC
16HRS
06-08-13

WDS-
AFTRFLOC
16HRS
QC #
516782

Physical Tests

Hardness

CaCO3

174

167

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

Appendix 1 - QUALITY CONTROL - Replicates

Water		WDS- AFTRFLOC 16HRS 06-08-13	WDS- AFTRFLOC 16HRS QC # 516782
Total Metals			
Aluminum	T-Al	0.0031	0.0035
Antimony	T-Sb	0.00713	0.00718
Arsenic	T-As	<0.00010	<0.00010
Barium	T-Ba	0.0305	0.0306
Beryllium	T-Be	<0.00050	<0.00050
Bismuth	T-Bi	<0.00050	<0.00050
Boron	T-B	0.012	0.012
Cadmium	T-Cd	<0.000020	<0.000020
Chromium	T-Cr	<0.00050	<0.00050
Cobalt	T-Co	0.00368	0.00367
Copper	T-Cu	0.00052	0.00048
Iron	T-Fe	1.39	1.38
Lead	T-Pb	0.000064	0.000070
Lithium	T-Li	<0.0050	<0.0050
Manganese	T-Mn	0.165	0.165
Molybdenum	T-Mo	0.000591	0.000611
Nickel	T-Ni	0.0158	0.0156
Phosphorus	T-P	<0.30	<0.30
Potassium	T-K	2.7	2.7
Selenium	T-Se	0.0041	0.0031
Silicon	T-Si	3.43	3.41
Silver	T-Ag	<0.000010	<0.000010
Sodium	T-Na	5.2	5.2
Strontium	T-Sr	0.431	0.431
Thallium	T-Tl	<0.00010	<0.00010
Tin	T-Sn	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010
Uranium	T-U	0.000606	0.000596
Vanadium	T-V	0.0019	0.0019
Zinc	T-Zn	0.0099	0.0099

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

Appendix 1 - QUALITY CONTROL - Replicates



Water	WDS- AFTRFLOC 16HRS 06-08-13	WDS- AFTRFLOC 16HRS QC # 516782
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Dissolved Metals

Aluminum	D-Al	0.0074	0.0066
Antimony	D-Sb	0.00619	0.00615
Arsenic	D-As	<0.00010	<0.00010
Barium	D-Ba	0.0299	0.0293
Beryllium	D-Be	<0.00050	<0.00050
Bismuth	D-Bi	<0.00050	<0.00050
Boron	D-B	0.012	0.012
Cadmium	D-Cd	<0.000020	<0.000020
Calcium	D-Ca	49.9	47.4
Chromium	D-Cr	<0.00050	<0.00050
Cobalt	D-Co	0.00369	0.00364
Copper	D-Cu	0.00020	0.00017
Iron	D-Fe	0.130	0.137
Lead	D-Pb	<0.000050	<0.000050
Lithium	D-Li	<0.0050	<0.0050
Magnesium	D-Mg	12.0	11.8
Manganese	D-Mn	0.169	0.163
Molybdenum	D-Mo	0.000524	0.000500
Nickel	D-Ni	0.0156	0.0154
Phosphorus	D-P	<0.30	<0.30
Potassium	D-K	2.7	2.6
Selenium	D-Se	0.0035	0.0033
Silicon	D-Si	3.34	3.31
Silver	D-Ag	<0.000010	<0.000010
Sodium	D-Na	5.2	4.9
Strontium	D-Sr	0.436	0.425
Thallium	D-Tl	<0.00010	<0.00010
Tin	D-Sn	<0.00010	<0.00010
Titanium	D-Ti	<0.010	<0.010
Uranium	D-U	0.000289	0.000290
Vanadium	D-V	<0.0010	<0.0010
Zinc	D-Zn	0.0137	0.0136

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

Appendix 2 - METHODOLOGY



Outlines of the methodologies utilized for the analysis of the samples submitted are as follows

Metals in Water

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 20th Edition 1998 published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotplate or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by atomic absorption/emission spectrophotometry (EPA Method 7000 series), inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B), and/or inductively coupled plasma - mass spectrometry (EPA Method 6020).

Recommended Holding Time:
Sample: 6 months
Reference: EPA

Laboratory Location: ALS Environmental, Vancouver

Solids in Water

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total dissolved solids (TDS) and total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius, TSS is determined by drying the filter at 104 degrees celsius. Total solids are determined by evaporating a sample to dryness at 104 degrees celsius. Fixed and volatile solids are determined by igniting a dried sample residue at 550 degrees celsius.

Recommended Holding Time:
Sample: 7 days
Reference: APHA

Laboratory Location: ALS Environmental, Vancouver

Ammonia in Water by Selective Ion Electrode

This analysis is carried out, on sulphuric acid preserved samples, using procedures adapted from APHA Method 4500-NH3 "Nitrogen (Ammonia)". Ammonia is determined using an ammonia selective electrode.

Recommended Holding Time:
Sample: 28 days
Reference: APHA

File No. Z1179

Appendix 2 - METHODOLOGY - Continued



Laboratory Location: ALS Environmental, Vancouver

Dissolved Anions in Water by Ion Chromatography

This analysis is carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Anions are determined by filtering the sample through a 0.45 micron membrane filter and injecting the filtrate onto a Dionex IonPac AG17 anion exchange column with a hydroxide eluent stream. Anions routinely determined by this method include: bromide, chloride, fluoride, nitrate, nitrite and sulphate.

Recommended Holding Time:

Sample: 28 days (bromide, chloride, fluoride, sulphate)

Sample: 2 days (nitrate, nitrite)

Reference: APHA and EPA

Laboratory Location: ALS Environmental, Vancouver

Results contained within this certificate relate only to the samples as submitted.

This Certificate Of Analysis shall only be reproduced in full, except with the written approval of ALS Environmental.

End of Report

Appendix C Treated Mine Water Lab Reports

Your C.O.C. #: 08187327

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/08

This report dated: 2006/08/08 supersedes previous report dated: 2006/08/04

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A634229

Received: 2006/08/02, 15:01

Sample Matrix: Water

Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	1	2006/08/03	2006/08/03	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	1	N/A	2006/08/02	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	1	N/A	2006/08/03	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	1	N/A	2006/08/03	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	1	N/A	2006/08/03		
Elements by ICP-AES (dissolved)	1	2006/07/31	2006/08/01	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	1	2006/08/02	2006/08/02	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) @	2	N/A	2006/08/03	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	2	N/A	2006/08/01	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/03	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/03	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/03	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2006/08/03		
pH Water	1	N/A	2006/08/03	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	1	N/A	2006/08/03	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	1	N/A	2006/08/03	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/03	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	1	N/A	2006/08/03	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/03	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

Validated by : 
DAVE HUANG

Total cover pages: 1

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C24431		
Sampling Date		2006/08/01		
COC Number		08187327		
	Units	WIS	RDL	QC Batch

Misc. Inorganics				
Bromide (Br)	mg/L	<0.1	0.1	1221142
Calculated Parameters				
Nitrate (N)	mg/L	0.827	0.002	1221604
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	190	0.5	1221602
Dissolved Organic Carbon (C)	mg/L	1.0	0.5	1221708
Alkalinity (Total as CaCO3)	mg/L	41.9	0.5	1221452
Alkalinity (PP as CaCO3)	mg/L	<0.5	0.5	1221452
Bicarbonate (HCO3)	mg/L	51.2	0.5	1221452
Carbonate (CO3)	mg/L	<0.5	0.5	1221452
Hydroxide (OH)	mg/L	<0.5	0.5	1221452
Anions				
Dissolved Sulphate (SO4)	mg/L	138	5	1221713
Chloride (Cl)	mg/L	0.6	0.5	1221714
Nutrients				
Orthophosphate (P)	mg/L	0.004	0.001	1221475
Ammonia (N)	mg/L	0.60	0.05	1221712
Nitrate plus Nitrite (N)	mg/L	0.850	0.002	1221764
Nitrite (N)	mg/L	0.023	0.002	1221776
Physical Properties				
pH	pH Units	7.6	0.1	1221449
Physical Properties				
Total Suspended Solids	mg/L	<4	4	1221428
Total Dissolved Solids	mg/L	280	10	1220482
Turbidity	NTU	4.4	0.1	1221107

RDL = Reportable Detection Limit

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C24430	C24431		
Sampling Date		2006/08/01	2006/08/01		
COC Number		08187327	08187327		
	Units	PORTAL WATER	WIS	RDL	QC Batch

Dissolved Metals by ICP					
Dissolved Boron (B)	mg/L		0.014	0.008	1216756
Dissolved Calcium (Ca)	mg/L		56.2	0.05	1216756
Dissolved Iron (Fe)	mg/L		0.145	0.005	1216756
Dissolved Magnesium (Mg)	mg/L		11.9	0.05	1216756
Dissolved Phosphorus (P)	mg/L		<0.1	0.1	1216756
Dissolved Silicon (Si)	mg/L		3.60	0.05	1216756
Dissolved Sodium (Na)	mg/L		6.38	0.05	1216756
Dissolved Zirconium (Zr)	mg/L		<0.005	0.005	1216756
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L		1.2	0.2	1221092
Dissolved Antimony (Sb)	ug/L		2.66	0.05	1221092
Dissolved Arsenic (As)	ug/L		0.3	0.1	1221092
Dissolved Barium (Ba)	ug/L		44.4	0.02	1221092
Dissolved Beryllium (Be)	ug/L		<0.05	0.05	1221092
Dissolved Bismuth (Bi)	ug/L		<0.05	0.05	1221092
Dissolved Cadmium (Cd)	ug/L		0.06	0.01	1221092
Dissolved Chromium (Cr)	ug/L		<0.2	0.2	1221092
Dissolved Cobalt (Co)	ug/L		4.04	0.02	1221092
Dissolved Copper (Cu)	ug/L		0.3	0.1	1221092
Dissolved Lead (Pb)	ug/L		0.11	0.02	1221092
Dissolved Lithium (Li)	ug/L		2.1	0.2	1221092
Dissolved Manganese (Mn)	ug/L		195	0.02	1221092
Dissolved Molybdenum (Mo)	ug/L		0.38	0.02	1221092
Dissolved Nickel (Ni)	ug/L		18.4	0.5	1221092
Dissolved Potassium (K)	ug/L		3300	50	1221092
Dissolved Selenium (Se)	ug/L		5.7	0.5	1221092
Dissolved Silver (Ag)	ug/L		0.02	0.01	1221092
Dissolved Strontium (Sr)	ug/L		398	0.01	1221092
Dissolved Thallium (Tl)	ug/L		0.09	0.05	1221092
Dissolved Tin (Sn)	ug/L		<0.05	0.05	1221092
Dissolved Titanium (Ti)	ug/L		<0.5	0.5	1221092
Dissolved Uranium (U)	ug/L		0.14	0.01	1221092

RDL = Reportable Detection Limit

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C24430	C24431		
Sampling Date		2006/08/01	2006/08/01		
COC Number		08187327	08187327		
	Units	PORTAL WATER	WIS	RDL	QC Batch
Dissolved Vanadium (V)	ug/L		<0.05	0.05	1221092
Dissolved Zinc (Zn)	ug/L		15.6	0.5	1221092
Total Metals by ICP					
Total Boron (B)	mg/L	0.014	0.011	0.008	1217151
Total Calcium (Ca)	mg/L	52.9	56.2	0.05	1217151
Total Iron (Fe)	mg/L	1.61	1.20	0.005	1217151
Total Magnesium (Mg)	mg/L	11.8	11.9	0.05	1217151
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1217151
Total Silicon (Si)	mg/L	4.55	3.66	0.05	1217151
Total Sodium (Na)	mg/L	5.08	6.31	0.05	1217151
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1217151
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	57.0	5.3	0.2	1221141
Total Antimony (Sb)	ug/L	21.3	3.42	0.05	1221141
Total Arsenic (As)	ug/L	1.0	0.3	0.1	1221141
Total Barium (Ba)	ug/L	35.1	46.6	0.02	1221141
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1221141
Total Bismuth (Bi)	ug/L	0.06	<0.05	0.05	1221141
Total Cadmium (Cd)	ug/L	0.17	0.03	0.01	1221141
Total Chromium (Cr)	ug/L	0.5	<0.2	0.2	1221141
Total Cobalt (Co)	ug/L	2.02	4.24	0.02	1221141
Total Copper (Cu)	ug/L	1.3	0.4	0.1	1221141
Total Lead (Pb)	ug/L	2.59	0.22	0.02	1221141
Total Lithium (Li)	ug/L	2.1	2.1	0.2	1221141
Total Manganese (Mn)	ug/L	176	205	0.02	1221141
Total Molybdenum (Mo)	ug/L	2.26	0.41	0.02	1221141
Total Nickel (Ni)	ug/L	15.7	19.0	0.5	1221141
Total Potassium (K)	ug/L	2770	3280	50	1221141
Total Selenium (Se)	ug/L	3.2	6.2	0.5	1221141
Total Silver (Ag)	ug/L	0.09	0.03	0.01	1221141
Total Strontium (Sr)	ug/L	430	407	0.01	1221141
Total Thallium (Tl)	ug/L	0.08	0.09	0.05	1221141
Total Tin (Sn)	ug/L	0.06	<0.05	0.05	1221141
RDL = Reportable Detection Limit					

Maxxam Job #: A634229
Report Date: 2006/08/08

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials:

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C24430	C24431		
Sampling Date		2006/08/01	2006/08/01		
COC Number		08187327	08187327		
	Units	PORTAL WATER	WIS	RDL	QC Batch

Total Titanium (Ti)	ug/L	2.5	0.6	0.5	1221141
Total Uranium (U)	ug/L	5.66	0.33	0.01	1221141
Total Vanadium (V)	ug/L	0.35	1.47	0.05	1221141
Total Zinc (Zn)	ug/L	23.2	10.6	0.5	1221141

RDL = Reportable Detection Limit

Your C.O.C. #: 08187531

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/10

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A634907

Received: 2006/08/08, 12:05

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	1	2006/08/08	2006/08/08	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	1	N/A	2006/08/09	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	1	N/A	2006/08/09	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	1	N/A	2006/08/09	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	1	N/A	2006/08/09		
Elements by ICP-AES (dissolved)	1	2006/08/04	2006/08/08	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	1	2006/08/04	2006/08/09	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) @	3	N/A	2006/08/09	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	3	N/A	2006/08/08	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/09	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/09	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/09	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2006/08/09		
pH Water	1	N/A	2006/08/08	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	1	N/A	2006/08/09	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	1	N/A	2006/08/09	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/09	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	1	N/A	2006/08/09	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/08	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

Validated by : 
DAVE HUANG

Total cover pages: 1

Maxxam Job #: A634907
Report Date: 2006/08/10

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C29130		
Sampling Date		2006/08/06 9:00		
COC Number		08187531		
	Units	WDS AFTERFLOCT - 39HRS	RDL	QC Batch

Misc. Inorganics				
Bromide (Br)	mg/L	<0.1	0.1	1227501
Calculated Parameters				
Nitrate (N)	mg/L	<0.002	0.002	1227095
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	180	0.5	1227093
Dissolved Organic Carbon (C)	mg/L	1.1	0.5	1227480
Alkalinity (Total as CaCO3)	mg/L	39.2	0.5	1225459
Alkalinity (PP as CaCO3)	mg/L	<0.5	0.5	1225459
Bicarbonate (HCO3)	mg/L	47.8	0.5	1225459
Carbonate (CO3)	mg/L	<0.5	0.5	1225459
Hydroxide (OH)	mg/L	<0.5	0.5	1225459
Anions				
Dissolved Sulphate (SO4)	mg/L	135	5	1227505
Chloride (Cl)	mg/L	<0.5	0.5	1227507
Nutrients				
Orthophosphate (P)	mg/L	0.002	0.001	1228016
Ammonia (N)	mg/L	0.282	0.005	1226942
Nitrate plus Nitrite (N)	mg/L	0.002	0.002	1227582
Nitrite (N)	mg/L	0.002	0.002	1227584
Physical Properties				
pH	pH Units	7.7	0.1	1225454
Physical Properties				
Total Suspended Solids	mg/L	<4	4	1226964
Total Dissolved Solids	mg/L	260	10	1226048
Turbidity	NTU	1.0	0.1	1225418
RDL = Reportable Detection Limit				

Maxxam Job #: A634907
Report Date: 2006/08/10

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C29129	C29130	C29131		
Sampling Date		2006/08/04 9:00	2006/08/06 9:00	2006/08/06 12:30		
COC Number		08187531	08187531	08187531		
	Units	WDS-PREFLOCT - 12HRS	WDS AFTERFLOCT - 39HRS	WIS - MIDFERRICT - 42HRS	RDL	QC Batch

Dissolved Metals by ICP						
Dissolved Boron (B)	mg/L		0.017		0.008	1223809
Dissolved Calcium (Ca)	mg/L		52.6		0.05	1223809
Dissolved Iron (Fe)	mg/L		0.414		0.005	1223809
Dissolved Magnesium (Mg)	mg/L		11.8		0.05	1223809
Dissolved Phosphorus (P)	mg/L		<0.1		0.1	1223809
Dissolved Silicon (Si)	mg/L		3.39		0.05	1223809
Dissolved Sodium (Na)	mg/L		5.34		0.05	1223809
Dissolved Zirconium (Zr)	mg/L		<0.005		0.005	1223809
Dissolved Metals by ICPMS						
Dissolved Aluminum (Al)	ug/L		3.5		0.2	1224354
Dissolved Antimony (Sb)	ug/L		3.06		0.05	1224354
Dissolved Arsenic (As)	ug/L		0.3		0.1	1224354
Dissolved Barium (Ba)	ug/L		31.7		0.02	1224354
Dissolved Beryllium (Be)	ug/L		<0.05		0.05	1224354
Dissolved Bismuth (Bi)	ug/L		<0.05		0.05	1224354
Dissolved Cadmium (Cd)	ug/L		0.05 (1)		0.01	1224354
Dissolved Chromium (Cr)	ug/L		0.2		0.2	1224354
Dissolved Cobalt (Co)	ug/L		5.00		0.02	1224354
Dissolved Copper (Cu)	ug/L		0.3		0.1	1224354
Dissolved Lead (Pb)	ug/L		0.32 (1)		0.02	1224354
Dissolved Lithium (Li)	ug/L		1.9		0.2	1224354
Dissolved Manganese (Mn)	ug/L		200		0.02	1224354
Dissolved Molybdenum (Mo)	ug/L		0.36		0.02	1224354
Dissolved Nickel (Ni)	ug/L		20.7		0.5	1224354
Dissolved Potassium (K)	ug/L		2890		50	1224354
Dissolved Selenium (Se)	ug/L		7.9		0.5	1224354
Dissolved Silver (Ag)	ug/L		0.06		0.01	1224354
Dissolved Strontium (Sr)	ug/L		436		0.01	1224354
Dissolved Thallium (Tl)	ug/L		0.07		0.05	1224354
Dissolved Tin (Sn)	ug/L		<0.05		0.05	1224354

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A634907
Report Date: 2006/08/10

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C29129	C29130	C29131		
Sampling Date		2006/08/04 9:00	2006/08/06 9:00	2006/08/06 12:30		
COC Number		08187531	08187531	08187531		
	Units	WDS-PREFLOCT - 12HRS	WDS AFTERFLOCT - 39HRS	WIS - MIDFERRICT - 42HRS	RDL	QC Batch

Dissolved Titanium (Ti)	ug/L		<0.5		0.5	1224354
Dissolved Uranium (U)	ug/L		0.30		0.01	1224354
Dissolved Vanadium (V)	ug/L		0.54		0.05	1224354
Dissolved Zinc (Zn)	ug/L		14.3 (1)		0.5	1224354
Total Metals by ICP						
Total Boron (B)	mg/L	0.017	0.019	0.013	0.008	1223769
Total Calcium (Ca)	mg/L	53.1	53.8	52.9	0.05	1223769
Total Iron (Fe)	mg/L	1.74	0.657	5.21	0.005	1223769
Total Magnesium (Mg)	mg/L	11.9	12.0	11.7	0.05	1223769
Total Phosphorus (P)	mg/L	<0.1	<0.1	<0.1	0.1	1223769
Total Silicon (Si)	mg/L	3.55	3.47	3.78	0.05	1223769
Total Sodium (Na)	mg/L	5.20	5.33	5.48	0.05	1223769
Total Zirconium (Zr)	mg/L	<0.005	<0.005	<0.005	0.005	1223769
Total Metals by ICPMS						
Total Aluminum (Al)	ug/L	7.6	4.9	33.0	0.2	1227473
Total Antimony (Sb)	ug/L	3.78	3.11	8.42	0.05	1227473
Total Arsenic (As)	ug/L	0.1	0.1	0.3	0.1	1227473
Total Barium (Ba)	ug/L	29.8	30.4	34.2	0.02	1227473
Total Beryllium (Be)	ug/L	<0.05	<0.05	<0.05	0.05	1227473
Total Bismuth (Bi)	ug/L	<0.05	<0.05	<0.05	0.05	1227473
Total Cadmium (Cd)	ug/L	0.02	0.01	0.10	0.01	1227473
Total Chromium (Cr)	ug/L	1.0	1.0	2.2	0.2	1227473
Total Cobalt (Co)	ug/L	4.93	4.87	4.05	0.02	1227473
Total Copper (Cu)	ug/L	0.1	0.3	1.6	0.1	1227473
Total Lead (Pb)	ug/L	0.18	0.14	1.42	0.02	1227473
Total Lithium (Li)	ug/L	2.0	1.8	1.9	0.2	1227473
Total Manganese (Mn)	ug/L	196	198	187	0.02	1227473
Total Molybdenum (Mo)	ug/L	0.42	0.41	1.03	0.02	1227473
Total Nickel (Ni)	ug/L	20.9	20.0	18.3	0.5	1227473
Total Potassium (K)	ug/L	2890	2930	3100	50	1227473
Total Selenium (Se)	ug/L	1.2	12.4	2.2	0.5	1227473

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A634907
Report Date: 2006/08/10

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C29129	C29130	C29131		
Sampling Date		2006/08/04 9:00	2006/08/06 9:00	2006/08/06 12:30		
COC Number		08187531	08187531	08187531		
	Units	WDS-PREFLOCT - 12HRS	WDS AFTERFLOCT - 39HRS	WIS - MIDFERRICT - 42HRS	RDL	QC Batch
Total Silver (Ag)	ug/L	0.09	0.04	0.03	0.01	1227473
Total Strontium (Sr)	ug/L	431	435	433	0.01	1227473
Total Thallium (Tl)	ug/L	0.07	0.06	0.06	0.05	1227473
Total Tin (Sn)	ug/L	<0.05	0.10	0.11	0.05	1227473
Total Titanium (Ti)	ug/L	1.4	0.7	4.2	0.5	1227473
Total Uranium (U)	ug/L	0.43	0.32	1.72	0.01	1227473
Total Vanadium (V)	ug/L	2.06	0.83	7.74	0.05	1227473
Total Zinc (Zn)	ug/L	7.1	6.2	30.3	0.5	1227473
RDL = Reportable Detection Limit						

Your C.O.C. #: 08187546

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/14

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A635249

Received: 2006/08/09, 14:55

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	1	2006/08/10	2006/08/10	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	1	N/A	2006/08/10	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	1	N/A	2006/08/09	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	1	N/A	2006/08/10	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	5	N/A	2006/08/10		
Elements by ICP-AES (dissolved)	5	2006/08/08	2006/08/09	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	5	2006/08/10	2006/08/10	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (total) @	5	N/A	2006/08/10	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	5	N/A	2006/08/10	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/09	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/11	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/11	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2006/08/10		
pH Water	1	N/A	2006/08/10	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	1	N/A	2006/08/09	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	1	N/A	2006/08/09	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/10	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	1	N/A	2006/08/10	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/10	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

Validated by : 
ELKA DADMAND

Total cover pages: 1

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch

Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	180	180	0.5	1228667

RDL = Reportable Detection Limit

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch
Misc. Inorganics					
Bromide (Br)	mg/L	<0.1		0.1	1229061
Calculated Parameters					
Nitrate (N)	mg/L	0.105		0.002	1228669
Misc. Inorganics					
Dissolved Hardness (CaCO3)	mg/L	180	180	0.5	1228667
Dissolved Organic Carbon (C)	mg/L	1.1		0.5	1228790
Alkalinity (Total as CaCO3)	mg/L	50.2		0.5	1228443
Alkalinity (PP as CaCO3)	mg/L	<0.5		0.5	1228443
Bicarbonate (HCO3)	mg/L	61.3		0.5	1228443
Carbonate (CO3)	mg/L	<0.5		0.5	1228443
Hydroxide (OH)	mg/L	<0.5		0.5	1228443
Anions					
Dissolved Sulphate (SO4)	mg/L	130		5	1227505
Chloride (Cl)	mg/L	<0.5		0.5	1227507
Nutrients					
Orthophosphate (P)	mg/L	0.003		0.001	1228016
Ammonia (N)	mg/L	0.279		0.005	1226942
Nitrate plus Nitrite (N)	mg/L	0.114		0.002	1230896
Nitrite (N)	mg/L	0.009		0.002	1230918
Physical Properties					
pH	pH Units	7.7		0.1	1228440
Physical Properties					
Total Suspended Solids	mg/L	<4		4	1228496
Total Dissolved Solids	mg/L	288		10	1227135
Turbidity	NTU	1.5		0.1	1228410
RDL = Reportable Detection Limit					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	180	0.5	1228667

RDL = Reportable Detection Limit

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch

Dissolved Metals by ICP					
Dissolved Boron (B)	mg/L	0.015	0.013	0.008	1226424
Dissolved Calcium (Ca)	mg/L	53.0	53.3	0.05	1226424
Dissolved Iron (Fe)	mg/L	0.055	0.072	0.005	1226424
Dissolved Magnesium (Mg)	mg/L	11.9	12.0	0.05	1226424
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1226424
Dissolved Silicon (Si)	mg/L	3.47	3.49	0.05	1226424
Dissolved Sodium (Na)	mg/L	5.26	5.32	0.05	1226424
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1226424
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L	2.6	6.4 (1)	0.2	1228768
Dissolved Antimony (Sb)	ug/L	4.78	4.98	0.05	1228768
Dissolved Arsenic (As)	ug/L	0.3	0.5	0.1	1228768
Dissolved Barium (Ba)	ug/L	27.0	27.5	0.02	1228768
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Cadmium (Cd)	ug/L	0.03	0.06 (1)	0.01	1228768
Dissolved Chromium (Cr)	ug/L	0.2	0.3	0.2	1228768
Dissolved Cobalt (Co)	ug/L	3.83	3.84	0.02	1228768
Dissolved Copper (Cu)	ug/L	<0.1	0.2 (1)	0.1	1228768
Dissolved Lead (Pb)	ug/L	0.26	0.54 (1)	0.02	1228768
Dissolved Lithium (Li)	ug/L	1.7	1.8	0.2	1228768
Dissolved Manganese (Mn)	ug/L	174	174	0.02	1228768
Dissolved Molybdenum (Mo)	ug/L	0.40	0.54	0.02	1228768
Dissolved Nickel (Ni)	ug/L	16.4	16.2	0.5	1228768
Dissolved Potassium (K)	ug/L	2770	2770	50	1228768
Dissolved Selenium (Se)	ug/L	11.4	15.2	0.5	1228768
Dissolved Silver (Ag)	ug/L	0.02	0.03	0.01	1228768
Dissolved Strontium (Sr)	ug/L	411	422	0.01	1228768
Dissolved Thallium (Tl)	ug/L	0.06	0.06	0.05	1228768
Dissolved Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228768

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch

Dissolved Titanium (Ti)	ug/L	<0.5	<0.5	0.5	1228768
Dissolved Uranium (U)	ug/L	0.56	0.47	0.01	1228768
Dissolved Vanadium (V)	ug/L	0.07	0.10	0.05	1228768
Dissolved Zinc (Zn)	ug/L	28.9 (1)	39.3 (1)	0.5	1228768
Total Metals by ICP					
Total Boron (B)	mg/L	0.016	0.013	0.008	1227587
Total Calcium (Ca)	mg/L	55.1	54.8	0.05	1227587
Total Iron (Fe)	mg/L	2.84	3.02	0.005	1227587
Total Magnesium (Mg)	mg/L	12.3	12.2	0.05	1227587
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1227587
Total Silicon (Si)	mg/L	3.71	3.69	0.05	1227587
Total Sodium (Na)	mg/L	5.44	5.40	0.05	1227587
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1227587
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	7.1	4.5	0.2	1228774
Total Antimony (Sb)	ug/L	6.80	6.74	0.05	1228774
Total Arsenic (As)	ug/L	0.3	0.7	0.1	1228774
Total Barium (Ba)	ug/L	27.2	27.5	0.02	1228774
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228774
Total Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228774
Total Cadmium (Cd)	ug/L	0.01	0.02	0.01	1228774
Total Chromium (Cr)	ug/L	0.2	0.2	0.2	1228774
Total Cobalt (Co)	ug/L	3.83	3.72	0.02	1228774
Total Copper (Cu)	ug/L	<0.1	<0.1	0.1	1228774
Total Lead (Pb)	ug/L	0.26	0.24	0.02	1228774
Total Lithium (Li)	ug/L	1.9	1.9	0.2	1228774
Total Manganese (Mn)	ug/L	175	172	0.02	1228774
Total Molybdenum (Mo)	ug/L	0.82	0.81	0.02	1228774
Total Nickel (Ni)	ug/L	16.9	16.3	0.5	1228774
Total Potassium (K)	ug/L	2720	2670	50	1228774
Total Selenium (Se)	ug/L	17.3	15.0	0.5	1228774

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31218	C31219		
Sampling Date		2006/08/07 16:15	2006/08/07 21:30		
COC Number		08187546	08187546		
	Units	WIS-PREFLOCT-NO SETTLING	WIS-AFTERFLOCT-1HR	RDL	QC Batch
Total Silver (Ag)	ug/L	<0.01	<0.01	0.01	1228774
Total Strontium (Sr)	ug/L	418	411	0.01	1228774
Total Thallium (Tl)	ug/L	0.06	0.06	0.05	1228774
Total Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228774
Total Titanium (Ti)	ug/L	1.8	1.7	0.5	1228774
Total Uranium (U)	ug/L	1.09	1.12	0.01	1228774
Total Vanadium (V)	ug/L	3.79	3.91	0.05	1228774
Total Zinc (Zn)	ug/L	7.0	4.9	0.5	1228774
RDL = Reportable Detection Limit					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch

Dissolved Metals by ICP					
Dissolved Boron (B)	mg/L	0.015	0.015	0.008	1226424
Dissolved Calcium (Ca)	mg/L	53.6	53.2	0.05	1226424
Dissolved Iron (Fe)	mg/L	0.066	0.030	0.005	1226424
Dissolved Magnesium (Mg)	mg/L	12.0	12.0	0.05	1226424
Dissolved Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1226424
Dissolved Silicon (Si)	mg/L	3.50	3.47	0.05	1226424
Dissolved Sodium (Na)	mg/L	5.36	5.32	0.05	1226424
Dissolved Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1226424
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	ug/L	5.6 (1)	2.1	0.2	1228768
Dissolved Antimony (Sb)	ug/L	5.00	4.90	0.05	1228768
Dissolved Arsenic (As)	ug/L	0.4	0.4	0.1	1228768
Dissolved Barium (Ba)	ug/L	26.9	26.6	0.02	1228768
Dissolved Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Cadmium (Cd)	ug/L	0.07 (1)	0.08 (1)	0.01	1228768
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	0.2	1228768
Dissolved Cobalt (Co)	ug/L	3.71	3.66	0.02	1228768
Dissolved Copper (Cu)	ug/L	0.2	0.1	0.1	1228768
Dissolved Lead (Pb)	ug/L	0.54 (1)	0.39 (1)	0.02	1228768
Dissolved Lithium (Li)	ug/L	1.8	1.8	0.2	1228768
Dissolved Manganese (Mn)	ug/L	172	168	0.02	1228768
Dissolved Molybdenum (Mo)	ug/L	0.60	0.64	0.02	1228768
Dissolved Nickel (Ni)	ug/L	15.9	15.3	0.5	1228768
Dissolved Potassium (K)	ug/L	2740	2680	50	1228768
Dissolved Selenium (Se)	ug/L	14.0 (1)	11.6 (1)	0.5	1228768
Dissolved Silver (Ag)	ug/L	0.02	0.01	0.01	1228768
Dissolved Strontium (Sr)	ug/L	414	399	0.01	1228768
Dissolved Thallium (Tl)	ug/L	0.06	0.06	0.05	1228768
Dissolved Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228768
Dissolved Titanium (Ti)	ug/L	<0.5	<0.5	0.5	1228768

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch
Dissolved Uranium (U)	ug/L	0.54	0.48	0.01	1228768
Dissolved Vanadium (V)	ug/L	0.09	<0.05	0.05	1228768
Dissolved Zinc (Zn)	ug/L	12.0 (1)	11.1 (1)	0.5	1228768
Total Metals by ICP					
Total Boron (B)	mg/L	0.016	0.014	0.008	1227587
Total Calcium (Ca)	mg/L	54.3	54.4	0.05	1227587
Total Iron (Fe)	mg/L	1.32	1.31	0.005	1227587
Total Magnesium (Mg)	mg/L	12.1	12.0	0.05	1227587
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1227587
Total Silicon (Si)	mg/L	3.53	3.52	0.05	1227587
Total Sodium (Na)	mg/L	5.32	5.26	0.05	1227587
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1227587
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	2.9	3.3	0.2	1228774
Total Antimony (Sb)	ug/L	5.75	5.64	0.05	1228774
Total Arsenic (As)	ug/L	0.3	0.3	0.1	1228774
Total Barium (Ba)	ug/L	27.5	27.7	0.02	1228774
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1228774
Total Bismuth (Bi)	ug/L	<0.05	<0.05	0.05	1228774
Total Cadmium (Cd)	ug/L	0.05	0.04	0.01	1228774
Total Chromium (Cr)	ug/L	0.7	0.4	0.2	1228774
Total Cobalt (Co)	ug/L	3.77	3.65	0.02	1228774
Total Copper (Cu)	ug/L	<0.1	<0.1	0.1	1228774
Total Lead (Pb)	ug/L	0.11	0.12	0.02	1228774
Total Lithium (Li)	ug/L	1.9	1.8	0.2	1228774
Total Manganese (Mn)	ug/L	176	171	0.02	1228774
Total Molybdenum (Mo)	ug/L	0.73	0.73	0.02	1228774
Total Nickel (Ni)	ug/L	16.0	16.0	0.5	1228774
Total Potassium (K)	ug/L	2810	2750	50	1228774
Total Selenium (Se)	ug/L	11.7	9.5	0.5	1228774
Total Silver (Ag)	ug/L	<0.01	0.05	0.01	1228774
Total Strontium (Sr)	ug/L	419	414	0.01	1228774
RDL = Reportable Detection Limit (1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31220	C31221		
Sampling Date		2006/08/08 10:30	2006/08/08 10:30		
COC Number		08187546	08187546		
	Units	WISA-AFTERFLOCT-14HRS	WISB-AFTERFLOCT-14HRS	RDL	QC Batch
Total Thallium (Tl)	ug/L	0.06	0.06	0.05	1228774
Total Tin (Sn)	ug/L	<0.05	<0.05	0.05	1228774
Total Titanium (Ti)	ug/L	1.0	1.1	0.5	1228774
Total Uranium (U)	ug/L	0.78	0.79	0.01	1228774
Total Vanadium (V)	ug/L	1.77	1.72	0.05	1228774
Total Zinc (Zn)	ug/L	8.5	8.4	0.5	1228774
RDL = Reportable Detection Limit					

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Dissolved Metals by ICP				
Dissolved Boron (B)	mg/L	0.013	0.008	1226424
Dissolved Calcium (Ca)	mg/L	52.9	0.05	1226424
Dissolved Iron (Fe)	mg/L	0.481	0.005	1226424
Dissolved Magnesium (Mg)	mg/L	11.9	0.05	1226424
Dissolved Phosphorus (P)	mg/L	<0.1	0.1	1226424
Dissolved Silicon (Si)	mg/L	4.64	0.05	1226424
Dissolved Sodium (Na)	mg/L	4.98	0.05	1226424
Dissolved Zirconium (Zr)	mg/L	<0.005	0.005	1226424
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	2.8	0.2	1228768
Dissolved Antimony (Sb)	ug/L	17.3	0.05	1228768
Dissolved Arsenic (As)	ug/L	1.5	0.1	1228768
Dissolved Barium (Ba)	ug/L	26.9	0.02	1228768
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	1228768
Dissolved Bismuth (Bi)	ug/L	<0.05	0.05	1228768
Dissolved Cadmium (Cd)	ug/L	0.02	0.01	1228768
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	1228768
Dissolved Cobalt (Co)	ug/L	1.58	0.02	1228768
Dissolved Copper (Cu)	ug/L	<0.1	0.1	1228768
Dissolved Lead (Pb)	ug/L	0.12	0.02	1228768
Dissolved Lithium (Li)	ug/L	1.6	0.2	1228768
Dissolved Manganese (Mn)	ug/L	143	0.02	1228768
Dissolved Molybdenum (Mo)	ug/L	1.63	0.02	1228768
Dissolved Nickel (Ni)	ug/L	12.0	0.5	1228768
Dissolved Potassium (K)	ug/L	2590	50	1228768
Dissolved Selenium (Se)	ug/L	44.9 (1)	0.5	1228768
Dissolved Silver (Ag)	ug/L	<0.01	0.01	1228768
Dissolved Strontium (Sr)	ug/L	426	0.01	1228768
Dissolved Thallium (Tl)	ug/L	<0.05	0.05	1228768
Dissolved Tin (Sn)	ug/L	<0.05	0.05	1228768

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31222		
Sampling Date		2006/08/08		
		10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Dissolved Titanium (Ti)	ug/L	<0.5	0.5	1228768
Dissolved Uranium (U)	ug/L	6.44	0.01	1228768
Dissolved Vanadium (V)	ug/L	<0.05	0.05	1228768
Dissolved Zinc (Zn)	ug/L	13.3	0.5	1228768
Total Metals by ICP				
Total Boron (B)	mg/L	0.012	0.008	1227587
Total Calcium (Ca)	mg/L	56.9	0.05	1227587
Total Iron (Fe)	mg/L	0.910	0.005	1227587
Total Magnesium (Mg)	mg/L	12.6	0.05	1227587
Total Phosphorus (P)	mg/L	<0.1	0.1	1227587
Total Silicon (Si)	mg/L	4.93	0.05	1227587
Total Sodium (Na)	mg/L	5.22	0.05	1227587
Total Zirconium (Zr)	mg/L	<0.005	0.005	1227587
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	33.2	0.2	1228774
Total Antimony (Sb)	ug/L	19.1	0.05	1228774
Total Arsenic (As)	ug/L	1.7	0.1	1228774
Total Barium (Ba)	ug/L	30.6	0.02	1228774
Total Beryllium (Be)	ug/L	<0.05	0.05	1228774
Total Bismuth (Bi)	ug/L	<0.05	0.05	1228774
Total Cadmium (Cd)	ug/L	0.07	0.01	1228774
Total Chromium (Cr)	ug/L	<0.2	0.2	1228774
Total Cobalt (Co)	ug/L	1.68	0.02	1228774
Total Copper (Cu)	ug/L	1.0	0.1	1228774
Total Lead (Pb)	ug/L	3.18	0.02	1228774
Total Lithium (Li)	ug/L	1.8	0.2	1228774
Total Manganese (Mn)	ug/L	150	0.02	1228774
Total Molybdenum (Mo)	ug/L	1.66	0.02	1228774
Total Nickel (Ni)	ug/L	13.0	0.5	1228774
Total Potassium (K)	ug/L	2590	50	1228774
Total Selenium (Se)	ug/L	39.1	0.5	1228774
Total Silver (Ag)	ug/L	0.02	0.01	1228774
Total Strontium (Sr)	ug/L	434	0.01	1228774

RDL = Reportable Detection Limit

Maxxam Job #: A635249
Report Date: 2006/08/14

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: JS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C31222		
Sampling Date		2006/08/08 10:30		
COC Number		08187546		
	Units	PORTAL WATER	RDL	QC Batch

Total Thallium (Tl)	ug/L	0.06	0.05	1228774
Total Tin (Sn)	ug/L	<0.05	0.05	1228774
Total Titanium (Ti)	ug/L	0.9	0.5	1228774
Total Uranium (U)	ug/L	6.53	0.01	1228774
Total Vanadium (V)	ug/L	0.13	0.05	1228774
Total Zinc (Zn)	ug/L	14.7	0.5	1228774

RDL = Reportable Detection Limit



CERTIFICATE OF ANALYSIS

Date: August 22, 2006
ALS File No. Z1178
Report On: Water Analysis
Report To: **Yukon Zinc Corporation**
701 - 475 Howe Street
Vancouver, BC
V6C 2B3
Attention: **Ms. Pamela Ladyman**
Received: August 15, 2006

ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Account Manager
Can Dang, B.Sc. - Senior Account Manager

File No. Z1178

REMARKS



For some of the submitted water samples, the measured concentration of specific dissolved parameters is greater than the corresponding total parameters concentration. The explanation for these findings is one or a combination of the following:

- laboratory method variability;
- field sampling method variability;
- bias introduced during general handling, storage, transportation and/or analysis of the sample;
- field sample grab bias - where separate grab samples are processed to produce total and dissolved samples;
- field sample split bias - where total and dissolved parameters samples are produced from the same grab sample.

For further clarification on any of the above information, please contact your ALS representative.

RESULTS OF ANALYSIS - Water

Sample ID	WDS- after floc-48h	WIS- prefloc
Sample Date	06-08-14	06-08-14
ALS ID	1	2

Total Metals

Aluminum	T-Al	0.0029	0.0078
Antimony	T-Sb	0.00635	0.00942
Arsenic	T-As	<0.00010	0.00016
Barium	T-Ba	0.0296	0.0301
Beryllium	T-Be	<0.00050	<0.00050
Bismuth	T-Bi	<0.00050	<0.00050
Boron	T-B	0.012	0.012
Cadmium	T-Cd	<0.000050	<0.000050
Calcium	T-Ca	50.5	51.9
Chromium	T-Cr	<0.00050	<0.00050
Cobalt	T-Co	0.00359	0.00401
Copper	T-Cu	0.00016	0.00029
Iron	T-Fe	0.658	3.63
Lead	T-Pb	<0.000050	0.000466
Lithium	T-Li	<0.0050	<0.0050
Magnesium	T-Mg	12.7	13.0
Manganese	T-Mn	0.168	0.176
Molybdenum	T-Mo	0.000564	0.000853
Nickel	T-Ni	0.0155	0.0171
Phosphorus	T-P	<0.30	<0.30
Potassium	T-K	<2.0	2.0
Selenium	T-Se	0.0026	0.0027
Silicon	T-Si	3.28	3.56
Silver	T-Ag	<0.000010	<0.000010
Sodium	T-Na	4.2	4.5
Strontium	T-Sr	0.456	0.440
Thallium	T-Tl	<0.00010	<0.00010
Tin	T-Sn	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010
Uranium	T-U	0.000394	0.00141
Vanadium	T-V	<0.0010	0.0052
Zinc	T-Zn	0.0076	0.0145

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

File No. Z1178

RESULTS OF ANALYSIS - Water



Sample ID	WDS- after floc-48h	WIS- prefloc
Sample Date	06-08-14	06-08-14
ALS ID	1	2

Dissolved Metals

Aluminum	D-Al	<0.0010	0.0039
Antimony	D-Sb	0.00589	0.00683
Arsenic	D-As	<0.00010	<0.00010
Barium	D-Ba	0.0294	0.0284
Beryllium	D-Be	<0.00050	<0.00050
Bismuth	D-Bi	<0.00050	<0.00050
Boron	D-B	0.011	0.012
Cadmium	D-Cd	<0.000050	<0.000050
Calcium	D-Ca	49.5	51.6
Chromium	D-Cr	<0.00050	<0.00050
Cobalt	D-Co	0.00357	0.00385
Copper	D-Cu	0.00012	0.00014
Iron	D-Fe	0.069	0.191
Lead	D-Pb	<0.000050	0.000061
Lithium	D-Li	<0.0050	<0.0050
Magnesium	D-Mg	12.4	13.0
Manganese	D-Mn	0.166	0.176
Molybdenum	D-Mo	0.000486	0.000643
Nickel	D-Ni	0.0153	0.0165
Phosphorus	D-P	<0.30	<0.30
Potassium	D-K	<2.0	<2.0
Selenium	D-Se	0.0022	0.0019
Silicon	D-Si	3.22	3.43
Silver	D-Ag	<0.000010	<0.000010
Sodium	D-Na	4.2	4.5
Strontium	D-Sr	0.457	0.439
Thallium	D-Tl	<0.00010	<0.00010
Tin	D-Sn	<0.00010	<0.00010
Titanium	D-Ti	<0.010	<0.010
Uranium	D-U	0.000279	0.000423
Vanadium	D-V	<0.0010	<0.0010
Zinc	D-Zn	0.0128	0.0209

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

Your C.O.C. #: 08187698

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/22

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A637151

Received: 2006/08/18, 11:00

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	1	2006/08/18	2006/08/18	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	1	N/A	2006/08/18	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	1	N/A	2006/08/19	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	1	N/A	2006/08/21	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	1	N/A	2006/08/18		
Elements by ICP-AES (dissolved)	1	2006/08/17	2006/08/18	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	1	2006/08/21	2006/08/21	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (as received)	1	2006/08/21	2006/08/21	ING111 Rev.1.9	Based on EPA 200.8
Elements by ICPMS (total) @	1	N/A	2006/08/21	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	1	N/A	2006/08/17	ING101 Rev. 4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/16	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/21	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/21	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	1	N/A	2006/08/18		
Filter and HNO3 Preserve for Metals @	1	2006/08/22	2006/08/22	QAP103 Rev 1.2	Based on EPA 200.2
pH Water	1	N/A	2006/08/18	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	1	N/A	2006/08/21	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	1	N/A	2006/08/19	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/21	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	1	N/A	2006/08/19	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/21	ING 415 Rev.3.1	SM - 2130B

- (1) SCC/CAEAL
- (2)

Validated by : 
ELKA D'ADMAND

Total cover pages: 1

Maxxam Job #: A637151
Report Date: 2006/08/22

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C42540		
Sampling Date		2006/08/16		
COC Number		08187698		
	Units	WIS - 31HRS	RDL	QC Batch
Misc. Inorganics				
Bromide (Br)	mg/L	<0.1	0.1	1239450
Preparation				
Filter and HNO3 Preservation	N/A	Yes	N/A	1243665
Calculated Parameters				
Nitrate (N)	mg/L	0.044	0.002	1239706
Misc. Inorganics				
Dissolved Hardness (CaCO3)	mg/L	180	0.5	1239703
Dissolved Organic Carbon (C)	mg/L	0.8	0.5	1241007
Alkalinity (Total as CaCO3)	mg/L	54.8	0.5	1239480
Alkalinity (PP as CaCO3)	mg/L	<0.5	0.5	1239480
Bicarbonate (HCO3)	mg/L	66.8	0.5	1239480
Carbonate (CO3)	mg/L	<0.5	0.5	1239480
Hydroxide (OH)	mg/L	<0.5	0.5	1239480
Anions				
Dissolved Sulphate (SO4)	mg/L	117	5	1240104
Chloride (Cl)	mg/L	<0.5	0.5	1240101
Nutrients				
Orthophosphate (P)	mg/L	<0.001	0.001	1241320
Ammonia (N)	mg/L	0.242	0.005	1235080
Nitrate plus Nitrite (N)	mg/L	0.047	0.002	1241284
Nitrite (N)	mg/L	0.003	0.002	1241296
Physical Properties				
pH	pH Units	7.8	0.1	1239478
Physical Properties				
Total Suspended Solids	mg/L	4	4	1239463
Total Dissolved Solids	mg/L	254	10	1240107
Turbidity	NTU	2.0	0.1	1240386
RDL = Reportable Detection Limit				

Maxxam Job #: A637151
Report Date: 2006/08/22

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C42540		
Sampling Date		2006/08/16		
COC Number		08187698		
	Units	WIS - 31HRS	RDL	QC Batch

Dissolved Metals by ICP				
Dissolved Boron (B)	mg/L	0.019	0.008	1235888
Dissolved Calcium (Ca)	mg/L	53.7	0.05	1235888
Dissolved Iron (Fe)	mg/L	0.024	0.005	1235888
Dissolved Magnesium (Mg)	mg/L	11.7	0.05	1235888
Dissolved Phosphorus (P)	mg/L	<0.1	0.1	1235888
Dissolved Silicon (Si)	mg/L	3.71	0.05	1235888
Dissolved Sodium (Na)	mg/L	5.10	0.05	1235888
Dissolved Zirconium (Zr)	mg/L	<0.005	0.005	1235888
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	1.4	0.2	1240739
Dissolved Antimony (Sb)	ug/L	6.06	0.05	1240739
Dissolved Arsenic (As)	ug/L	0.5	0.1	1240739
Dissolved Barium (Ba)	ug/L	30.3	0.02	1240739
Dissolved Beryllium (Be)	ug/L	<0.05	0.05	1240739
Dissolved Bismuth (Bi)	ug/L	<0.05	0.05	1240739
Dissolved Cadmium (Cd)	ug/L	0.03	0.01	1240739
Dissolved Chromium (Cr)	ug/L	<0.2	0.2	1240739
Dissolved Cobalt (Co)	ug/L	3.93	0.02	1240739
Dissolved Copper (Cu)	ug/L	0.3	0.1	1240739
Dissolved Lead (Pb)	ug/L	<0.02	0.02	1240739
Dissolved Lithium (Li)	ug/L	2.3	0.2	1240739
Dissolved Manganese (Mn)	ug/L	194	0.02	1240739
Dissolved Molybdenum (Mo)	ug/L	0.69	0.02	1240739
Dissolved Nickel (Ni)	ug/L	16.4	0.5	1240739
Dissolved Potassium (K)	ug/L	2710	50	1240739
Dissolved Selenium (Se)	ug/L	10.8	0.5	1240739
Dissolved Silver (Ag)	ug/L	0.02	0.01	1240739
Dissolved Strontium (Sr)	ug/L	490	0.01	1240739
Dissolved Thallium (Tl)	ug/L	0.07	0.05	1240739
Dissolved Tin (Sn)	ug/L	0.06	0.05	1240739
Dissolved Titanium (Ti)	ug/L	<0.5	0.5	1240739
Dissolved Uranium (U)	ug/L	0.55	0.01	1240739
Dissolved Vanadium (V)	ug/L	<0.05	0.05	1240739
RDL = Reportable Detection Limit				

Maxxam Job #: A637151
Report Date: 2006/08/22

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C42540		
Sampling Date		2006/08/16		
COC Number		08187698		
	Units	WIS - 31HRS	RDL	QC Batch

Dissolved Zinc (Zn)	ug/L	7.3	0.5	1240739
Total Metals by ICP				
Total Boron (B)	mg/L	0.018	0.008	1237550
Total Calcium (Ca)	mg/L	55.1	0.05	1237550
Total Iron (Fe)	mg/L	0.732	0.005	1237550
Total Magnesium (Mg)	mg/L	12.3	0.05	1237550
Total Phosphorus (P)	mg/L	<0.1	0.1	1237550
Total Silicon (Si)	mg/L	3.79	0.05	1237550
Total Sodium (Na)	mg/L	5.28	0.05	1237550
Total Zirconium (Zr)	mg/L	<0.005	0.005	1237550
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	7.7	0.2	1240787
Total Antimony (Sb)	ug/L	6.59	0.05	1240787
Total Arsenic (As)	ug/L	0.3	0.1	1240787
Total Barium (Ba)	ug/L	29.6	0.02	1240787
Total Beryllium (Be)	ug/L	<0.05	0.05	1240787
Total Bismuth (Bi)	ug/L	<0.05	0.05	1240787
Total Cadmium (Cd)	ug/L	0.03	0.01	1240787
Total Chromium (Cr)	ug/L	0.3	0.2	1240787
Total Cobalt (Co)	ug/L	3.82	0.02	1240787
Total Copper (Cu)	ug/L	0.2	0.1	1240787
Total Lead (Pb)	ug/L	0.27	0.02	1240787
Total Lithium (Li)	ug/L	2.0	0.2	1240787
Total Manganese (Mn)	ug/L	188	0.02	1240787
Total Molybdenum (Mo)	ug/L	0.84	0.02	1240787
Total Nickel (Ni)	ug/L	16.3	0.5	1240787
Total Potassium (K)	ug/L	2580	50	1240787
Total Selenium (Se)	ug/L	11	1	1240806
Total Silver (Ag)	ug/L	0.02	0.01	1240787
Total Strontium (Sr)	ug/L	485	0.01	1240787
Total Thallium (Tl)	ug/L	0.06	0.05	1240787
Total Tin (Sn)	ug/L	0.05	0.05	1240787
Total Titanium (Ti)	ug/L	1.0	0.5	1240787
Total Uranium (U)	ug/L	0.71	0.01	1240787

RDL = Reportable Detection Limit

Maxxam Job #: A637151
Report Date: 2006/08/22

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C42540		
Sampling Date		2006/08/16		
COC Number		08187698		
	Units	WIS - 31HRS	RDL	QC Batch

Total Vanadium (V)	ug/L	0.92	0.05	1240787
Total Zinc (Zn)	ug/L	7.2	0.5	1240787

RDL = Reportable Detection Limit

Your C.O.C. #: 08187709

Attention: PAMELA LADYMAN
Yukon Zinc Corporation
VANCOUVER
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/31

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: A638706

Received: 2006/08/24, 14:59

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Water	1	2006/08/24	2006/08/25	ING413 Rev.1.7	Based on SM2320B
Alkalinity - Water	3	2006/08/28	2006/08/28	ING413 Rev.1.7	Based on SM2320B
Bromide (IC-EC)	4	N/A	2006/08/24	ING303 Rev.3.4	SM 4110 B
Chloride by Automated Colourimetry @	4	N/A	2006/08/25	BRN-SOP 00116	Based on EPA 325.2
Carbon (DOC)	4	N/A	2006/08/28	ING211 Rev. 2.4	Based on SM-5310C
Hardness (calculated as CaCO3)	3	N/A	2006/08/25		
Elements by ICP-AES (dissolved)	1	2006/08/22	2006/08/23	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICP-AES (dissolved)	2	2006/08/25	2006/08/28	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICPMS (dissolved) @	1	2006/08/24	2006/08/24	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (dissolved) @	2	2006/08/28	2006/08/28	ING113 Rev. 1.1	Based on EPA 200.8
Elements by ICPMS (as received)	5	2006/08/25	2006/08/25	ING111 Rev.1.9	Based on EPA 200.8
Elements by ICPMS (total) @	5	N/A	2006/08/25	ING113 Rev.1.1	Based on EPA 200.8
Elements by ICP-AES (total)	1	N/A	2006/08/24	ING101 Rev.4.0	Based on EPA 6010B
Elements by ICP-AES (total)	4	N/A	2006/08/28	ING101 Rev.4.0	Based on EPA 6010B
Ammonia (N)	1	N/A	2006/08/23	ING232 Rev.3.5	Based on SM-4500MH3G
Ammonia (N)	3	N/A	2006/08/29	ING232 Rev.3.5	Based on SM-4500MH3G
Nitrate+Nitrite (N) (low level)	1	N/A	2006/08/25	ING233 Rev.4.4	Based on EPA 353.2
Nitrate+Nitrite (N) (low level)	3	N/A	2006/08/29	ING233 Rev.4.4	Based on EPA 353.2
Nitrite (N) (low level)	1	N/A	2006/08/25	ING233 Rev.4.4	EPA 353.2
Nitrite (N) (low level)	3	N/A	2006/08/29	ING233 Rev.4.4	EPA 353.2
Nitrogen - Nitrate (as N)	4	N/A	2006/08/25		
Filter and HNO3 Preserve for Metals @	1	2006/08/30	2006/08/30	QAP103 Rev.1.2	Based on EPA 200.2
pH Water	1	N/A	2006/08/25	ING413 Rev.1.7	Based on SM-4500H+B
pH Water	3	N/A	2006/08/28	ING413 Rev.1.7	Based on SM-4500H+B
Phosphate-P (Ortho)-m	4	N/A	2006/08/28	ING236 Rev.2.0	SM 4500 PF
Sulphate by Automated Colourimetry @	4	N/A	2006/08/25	BRN-SOP 00117	Based on EPA 375.4
Total Dissolved Solids (Filt. Residue)	1	N/A	2006/08/25	ING443 Rev.5.1	APHA 2540C
Total Dissolved Solids (Filt. Residue)	3	N/A	2006/08/29	ING443 Rev.5.1	APHA 2540C
Total Suspended Solids @	4	N/A	2006/08/25	ING444 Rev.2.3	Based on SM - 2540 D
Turbidity	1	N/A	2006/08/24	ING 415 Rev.3.1	SM - 2130B
Turbidity	3	N/A	2006/08/29	ING 415 Rev.3.1	SM - 2130B

(1) SCC/CAEAL

(2)

./2

Your C.O.C. #: 08187709

Attention: PAMELA LADYMAN

Yukon Zinc Corporation
VANCOUVER
701-475 Howe Street
Vancouver, BC
CANADA V6C 2B3

Report Date: 2006/08/31

CERTIFICATE OF ANALYSIS

-2-

Validated by :



DAVE HUANG

Total cover pages: 2

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch
Misc. Inorganics							
Bromide (Br)	mg/L	<0.1	1247230	<0.1		0.1	1247230
Preparation							
Filter and HNO3 Preservation	N/A				Yes	N/A	1253259
Calculated Parameters							
Nitrate (N)	mg/L	0.012	1247864	0.068		0.002	1247864
Misc. Inorganics							
Dissolved Hardness (CaCO3)	mg/L	180	1247862	190	190	0.5	1247862
Dissolved Organic Carbon (C)	mg/L	0.6	1250128	0.8		0.5	1250128
Alkalinity (Total as CaCO3)	mg/L	49.8	1246465	49.5		0.5	1249598
Alkalinity (PP as CaCO3)	mg/L	<0.5	1246465	<0.5		0.5	1249598
Bicarbonate (HCO3)	mg/L	60.7	1246465	60.4		0.5	1249598
Carbonate (CO3)	mg/L	<0.5	1246465	<0.5		0.5	1249598
Hydroxide (OH)	mg/L	<0.5	1246465	<0.5		0.5	1249598
Anions							
Dissolved Sulphate (SO4)	mg/L	129	1248338	131		5	1248338
Chloride (Cl)	mg/L	<0.5	1248311	<0.5		0.5	1248311
Nutrients							
Orthophosphate (P)	mg/L	0.004	1249766	0.005		0.001	1249766
Ammonia (N)	mg/L	0.281	1245428	0.240		0.005	1251445
Nitrate plus Nitrite (N)	mg/L	0.014	1248003	0.068		0.002	1250167
Nitrite (N)	mg/L	0.002	1248044	<0.002		0.002	1250172
Physical Properties							
pH	pH Units	7.9	1246462	8.0		0.1	1249591
Physical Properties							
Total Suspended Solids	mg/L	<4	1247232	6		4	1247232
Total Dissolved Solids	mg/L	262	1246591	244		10	1249954
Turbidity	NTU	2.9	1246011	3.2		0.1	1251149
RDL = Reportable Detection Limit							

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		C50751		C50752		
Sampling Date		2006/08/22		2006/08/22		
COC Number		08187709		08187709		
	Units	MINE	RDL	WIS DISCHARGE-3.5HRS	RDL	QC Batch
Misc. Inorganics						
Bromide (Br)	mg/L	<0.1	0.1	<0.1	0.1	1247230
Calculated Parameters						
Nitrate (N)	mg/L	0.004	0.002	0.009	0.002	1247864
Misc. Inorganics						
Dissolved Organic Carbon (C)	mg/L	0.6	0.5	0.6	0.5	1250128
Alkalinity (Total as CaCO3)	mg/L	109	0.5	54.5	0.5	1249598
Alkalinity (PP as CaCO3)	mg/L	<0.5	0.5	<0.5	0.5	1249598
Bicarbonate (HCO3)	mg/L	134	0.5	66.5	0.5	1249598
Carbonate (CO3)	mg/L	<0.5	0.5	<0.5	0.5	1249598
Hydroxide (OH)	mg/L	<0.5	0.5	<0.5	0.5	1249598
Anions						
Dissolved Sulphate (SO4)	mg/L	74.7	0.5	127	5	1248338
Chloride (Cl)	mg/L	<0.5	0.5	<0.5	0.5	1248311
Nutrients						
Orthophosphate (P)	mg/L	<0.001	0.001	0.003	0.001	1249766
Ammonia (N)	mg/L	0.206	0.005	0.248	0.005	1251445
Nitrate plus Nitrite (N)	mg/L	0.004	0.002	0.009	0.002	1250167
Nitrite (N)	mg/L	<0.002	0.002	<0.002	0.002	1250172
Physical Properties						
pH	pH Units	8.2	0.1	8.0	0.1	1249591
Physical Properties						
Total Suspended Solids	mg/L	4	4	<4	4	1247232
Total Dissolved Solids	mg/L	238	10	264	10	1249954
Turbidity	NTU	7.9	0.1	2.0	0.1	1251149
RDL = Reportable Detection Limit						

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch

Dissolved Metals by ICP							
Dissolved Boron (B)	mg/L	0.010	1243723	0.011	0.012	0.008	1248870
Dissolved Calcium (Ca)	mg/L	52.9	1243723	53.8	53.9	0.05	1248870
Dissolved Iron (Fe)	mg/L	0.227	1243723	0.229	<0.005	0.005	1248870
Dissolved Magnesium (Mg)	mg/L	11.9	1243723	12.5	12.5	0.05	1248870
Dissolved Phosphorus (P)	mg/L	<0.1	1243723	<0.1	<0.1	0.1	1248870
Dissolved Silicon (Si)	mg/L	3.84	1243723	3.85	3.82	0.05	1248870
Dissolved Sodium (Na)	mg/L	4.74	1243723	5.04	5.01	0.05	1248870
Dissolved Zirconium (Zr)	mg/L	<0.005	1243723	<0.005	<0.005	0.005	1248870
Dissolved Metals by ICPMS							
Dissolved Aluminum (Al)	ug/L	0.8	1246979	1.3	<0.2	0.2	1250005
Dissolved Antimony (Sb)	ug/L	2.90	1246979	3.16	3.20	0.05	1250005
Dissolved Arsenic (As)	ug/L	<0.1	1246979	0.1	0.3	0.1	1250005
Dissolved Barium (Ba)	ug/L	25.3	1246979	26.5	26.8	0.02	1250005
Dissolved Beryllium (Be)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Bismuth (Bi)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Cadmium (Cd)	ug/L	0.11 (f)	1246979	0.10 (f)	0.02	0.01	1250005
Dissolved Chromium (Cr)	ug/L	<0.2	1246979	<0.2	<0.2	0.2	1250005
Dissolved Cobalt (Co)	ug/L	3.69	1246979	3.56	3.19	0.02	1250005
Dissolved Copper (Cu)	ug/L	0.2	1246979	0.2	0.1	0.1	1250005
Dissolved Lead (Pb)	ug/L	0.04	1246979	0.03	<0.02	0.02	1250005
Dissolved Lithium (Li)	ug/L	1.8	1246979	2.0	2.2	0.2	1250005
Dissolved Manganese (Mn)	ug/L	157	1246979	151	146	0.02	1250005
Dissolved Molybdenum (Mo)	ug/L	0.36	1246979	0.37	0.38	0.02	1250005
Dissolved Nickel (Ni)	ug/L	13.9	1246979	13.8	12.7	0.5	1250005
Dissolved Potassium (K)	ug/L	2320	1246979	1980	1960	50	1250005
Dissolved Selenium (Se)	ug/L	2.3	1246979	2.8	7.6	0.5	1250005
Dissolved Silver (Ag)	ug/L	0.02	1246979	0.01	<0.01	0.01	1250005
Dissolved Strontium (Sr)	ug/L	440	1246979	457	449	0.01	1250005
Dissolved Thallium (Tl)	ug/L	0.06	1246979	0.05	<0.05	0.05	1250005
Dissolved Tin (Sn)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Titanium (Ti)	ug/L	0.7	1246979	<0.5	<0.5	0.5	1250005
Dissolved Uranium (U)	ug/L	0.36	1246979	0.36	0.39	0.01	1250005

RDL = Reportable Detection Limit

(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch

Dissolved Vanadium (V)	ug/L	<0.05	1246979	<0.05	<0.05	0.05	1250005
Dissolved Zinc (Zn)	ug/L	13.4	1246979	13.8 (1)	3.5	0.5	1250005
Total Metals by ICP							
Total Boron (B)	mg/L	0.011	1247030	0.012	0.011	0.008	1248867
Total Calcium (Ca)	mg/L	53.2	1247030	53.8	54.6	0.05	1248867
Total Iron (Fe)	mg/L	1.05	1247030	1.07	1.03	0.005	1248867
Total Magnesium (Mg)	mg/L	12.3	1247030	12.3	12.5	0.05	1248867
Total Phosphorus (P)	mg/L	<0.1	1247030	<0.1	<0.1	0.1	1248867
Total Silicon (Si)	mg/L	3.89	1247030	3.92	3.97	0.05	1248867
Total Sodium (Na)	mg/L	4.85	1247030	4.91	5.00	0.05	1248867
Total Zirconium (Zr)	mg/L	<0.005	1247030	<0.005	<0.005	0.005	1248867
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	4.9	1248310	8.6	3.7	0.2	1248310
Total Antimony (Sb)	ug/L	3.58	1248310	3.54	3.57	0.05	1248310
Total Arsenic (As)	ug/L	0.2	1248310	0.2	0.2	0.1	1248310
Total Barium (Ba)	ug/L	24.6	1248310	24.9	26.4	0.02	1248310
Total Beryllium (Be)	ug/L	<0.05	1248310	<0.05	<0.05	0.05	1248310
Total Bismuth (Bi)	ug/L	<0.05	1248310	<0.05	<0.05	0.05	1248310
Total Cadmium (Cd)	ug/L	0.08	1248310	0.02	0.02	0.01	1248310
Total Chromium (Cr)	ug/L	<0.2	1248310	<0.2	0.3	0.2	1248310
Total Cobalt (Co)	ug/L	3.96	1248310	3.80	3.97	0.02	1248310
Total Copper (Cu)	ug/L	0.2	1248310	<0.1	<0.1	0.1	1248310
Total Lead (Pb)	ug/L	0.19	1248310	0.17	0.21	0.02	1248310
Total Lithium (Li)	ug/L	1.9	1248310	2.2	2.0	0.2	1248310
Total Manganese (Mn)	ug/L	167	1248310	163	163	0.02	1248310
Total Molybdenum (Mo)	ug/L	0.44	1248310	0.42	0.46	0.02	1248310
Total Nickel (Ni)	ug/L	14.6	1248310	15.0	14.9	0.5	1248310
Total Potassium (K)	ug/L	2490	1248310	2360	2090	50	1248310
Total Selenium (Se)	ug/L	3	1248192	3	6	1	1248192
Total Silver (Ag)	ug/L	0.02	1248310	0.01	0.05	0.01	1248310
Total Strontium (Sr)	ug/L	476	1248310	480	499	0.01	1248310
Total Thallium (Tl)	ug/L	0.05	1248310	0.05	0.06	0.05	1248310
Total Tin (Sn)	ug/L	<0.05	1248310	<0.05	<0.05	0.05	1248310

RDL = Reportable Detection Limit
(1) Dissolved > total, reanalyzed & confirmed. Possible field-filtered contamination on dissolved metal bottle or there is a discrepancy between samples taken.

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50748		C50749	C50750		
Sampling Date		2006/08/22		2006/08/22	2006/08/22		
COC Number		08187709		08187709	08187709		
	Units	WDS40	QC Batch	WDS50	WDS60	RDL	QC Batch
Total Titanium (Ti)	ug/L	<0.5	1248310	1.2	0.8	0.5	1248310
Total Uranium (U)	ug/L	0.48	1248310	0.50	0.49	0.01	1248310
Total Vanadium (V)	ug/L	0.95	1248310	0.90	0.87	0.05	1248310
Total Zinc (Zn)	ug/L	4.7	1248310	7.0	19.9	0.5	1248310
RDL = Reportable Detection Limit							

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50751	C50752		
Sampling Date		2006/08/22	2006/08/22		
COC Number		08187709	08187709		
	Units	MINE	WIS DISCHARGE-3.5HRS	RDL	QC Batch

Total Metals by ICP					
Total Boron (B)	mg/L	<0.008	0.014	0.008	1248867
Total Calcium (Ca)	mg/L	54.7	54.0	0.05	1248867
Total Iron (Fe)	mg/L	1.15	0.368	0.005	1248867
Total Magnesium (Mg)	mg/L	12.7	12.1	0.05	1248867
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	1248867
Total Silicon (Si)	mg/L	4.83	3.66	0.05	1248867
Total Sodium (Na)	mg/L	4.67	5.17	0.05	1248867
Total Zirconium (Zr)	mg/L	<0.005	<0.005	0.005	1248867
Total Metals by ICPMS					
Total Aluminum (Al)	ug/L	33.7	17.8	0.2	1248310
Total Antimony (Sb)	ug/L	17.5	5.46	0.05	1248310
Total Arsenic (As)	ug/L	1.0	0.2	0.1	1248310
Total Barium (Ba)	ug/L	29.9	27.8	0.02	1248310
Total Beryllium (Be)	ug/L	<0.05	<0.05	0.05	1248310
Total Bismuth (Bi)	ug/L	0.11	<0.05	0.05	1248310
Total Cadmium (Cd)	ug/L	0.22	0.02	0.01	1248310
Total Chromium (Cr)	ug/L	<0.2	<0.2	0.2	1248310
Total Cobalt (Co)	ug/L	0.99	3.75	0.02	1248310
Total Copper (Cu)	ug/L	1.0	0.2	0.1	1248310
Total Lead (Pb)	ug/L	4.77	0.16	0.02	1248310
Total Lithium (Li)	ug/L	2.1	2.1	0.2	1248310
Total Manganese (Mn)	ug/L	145	194	0.02	1248310
Total Molybdenum (Mo)	ug/L	2.27	0.71	0.02	1248310
Total Nickel (Ni)	ug/L	7.9	15.7	0.5	1248310
Total Potassium (K)	ug/L	2000	2380	50	1248310
Total Selenium (Se)	ug/L	17	7	1	1248192
Total Silver (Ag)	ug/L	0.04	0.01	0.01	1248310
Total Strontium (Sr)	ug/L	509	481	0.01	1248310
Total Thallium (Tl)	ug/L	0.09	0.06	0.05	1248310
Total Tin (Sn)	ug/L	<0.05	<0.05	0.05	1248310
Total Titanium (Ti)	ug/L	0.7	1.2	0.5	1248310
Total Uranium (U)	ug/L	5.46	0.65	0.01	1248310

RDL = Reportable Detection Limit

Maxxam Job #: A638706
Report Date: 2006/08/31

Yukon Zinc Corporation
Client Project #:
Site Reference:
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		C50751	C50752		
Sampling Date		2006/08/22	2006/08/22		
COC Number		08187709	08187709		
	Units	MINE	WIS DISCHARGE-3.5HRS	RDL	QC Batch

Total Vanadium (V)	ug/L	0.07	0.21	0.05	1248310
Total Zinc (Zn)	ug/L	25.0	5.5	0.5	1248310

RDL = Reportable Detection Limit



CERTIFICATE OF ANALYSIS

Date: September 6, 2006
ALS File No. Z1833
Report On: Wolverine Water Analysis
Report To: **Yukon Zinc Corporation**
701 - 475 Howe Street
Vancouver, BC
V6C 2B3
Attention: **Ms. Pamela Ladyman**
Received: August 29, 2006

ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Account Manager
Can Dang, B.Sc. - Senior Account Manager

File No. Z1833

RESULTS OF ANALYSIS - Water



Sample ID	WIS	PDS	Mine Water
Sample Date	06-08-27	06-08-27	06-08-27
Sample Time	14:00	14:00	14:00
ALS ID	1	2	3

Physical Tests

Hardness	CaCO3	163	159	165
Total Suspended Solids		<3.0	3.6	5.6

Nutrients

Ammonia Nitrogen	N	0.265	0.265	0.236
Nitrate Nitrogen	N	0.0054	0.0112	<0.0050
Nitrite Nitrogen	N	0.0016	0.0020	0.0019

Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water

Sample ID		WIS	PDS	Mine Water
Sample Date		06-08-27	06-08-27	06-08-27
Sample Time		14:00	14:00	14:00
ALS ID		1	2	3
Total Metals				
Aluminum	T-Al	0.0033	0.0267	0.0555
Antimony	T-Sb	0.00396	0.00860	0.0278
Arsenic	T-As	<0.00010	0.00011	0.00116
Barium	T-Ba	0.0264	0.0324	0.0331
Beryllium	T-Be	<0.00050	<0.00050	<0.00050
Bismuth	T-Bi	<0.00050	<0.00050	<0.00050
Boron	T-B	0.012	0.012	<0.010
Cadmium	T-Cd	<0.000050	0.000275	0.000169
Calcium	T-Ca	48.6	45.9	48.1
Chromium	T-Cr	<0.00050	<0.00050	0.00078
Cobalt	T-Co	0.00421	0.00343	0.00119
Copper	T-Cu	0.00030	0.00083	0.00145
Iron	T-Fe	1.23	1.07	0.983
Lead	T-Pb	0.000268	0.000390	0.0100
Lithium	T-Li	<0.0050	<0.0050	<0.0050
Magnesium	T-Mg	12.2	11.1	12.0
Manganese	T-Mn	0.155	0.160	0.128
Molybdenum	T-Mo	0.000268	0.000479	0.00197
Nickel	T-Ni	0.0152	0.0148	0.00897
Phosphorus	T-P	<0.30	<0.30	<0.30
Potassium	T-K	<2.0	<2.0	<2.0
Selenium	T-Se	0.0018	0.0021	0.0052
Silicon	T-Si	3.28	3.26	4.29
Silver	T-Ag	<0.000010	<0.000010	<0.000010
Sodium	T-Na	4.4	3.9	4.4
Strontium	T-Sr	0.419	0.386	0.446
Thallium	T-Tl	<0.00010	0.00018	<0.00010
Tin	T-Sn	<0.00010	<0.00010	<0.00010
Titanium	T-Ti	<0.010	<0.010	<0.010
Uranium	T-U	0.000365	0.00114	0.00624
Vanadium	T-V	0.0013	0.0014	<0.0010
Zinc	T-Zn	0.0096	0.0223	0.0267

Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

RESULTS OF ANALYSIS - Water



Sample ID	WIS	PDS	Mine Water
Sample Date	06-08-27	06-08-27	06-08-27
Sample Time	14:00	14:00	14:00
ALS ID	1	2	3
Dissolved Metals			
Aluminum D-Al	0.0130	<0.0010	0.0017
Antimony D-Sb	0.00303	0.00761	0.0232
Arsenic D-As	<0.00010	<0.00010	0.00033
Barium D-Ba	0.0259	0.0301	0.0281
Beryllium D-Be	<0.00050	<0.00050	<0.00050
Bismuth D-Bi	<0.00050	<0.00050	<0.00050
Boron D-B	0.012	0.011	<0.010
Cadmium D-Cd	<0.000050	0.000276	<0.000050
Calcium D-Ca	46.1	45.4	46.7
Chromium D-Cr	<0.00050	<0.00050	<0.00050
Cobalt D-Co	0.00425	0.00334	0.00103
Copper D-Cu	<0.00030	<0.00030	<0.00020
Iron D-Fe	0.137	<0.030	<0.030
Lead D-Pb	<0.000050	<0.000050	<0.000050
Lithium D-Li	<0.0050	<0.0050	<0.0050
Magnesium D-Mg	11.6	11.0	11.6
Manganese D-Mn	0.156	0.157	0.118
Molybdenum D-Mo	0.000208	0.000433	0.00182
Nickel D-Ni	0.0152	0.0145	0.00799
Phosphorus D-P	<0.30	<0.30	<0.30
Potassium D-K	<2.0	<2.0	<2.0
Selenium D-Se	0.0014	0.0015	0.0039
Silicon D-Si	3.08	3.16	3.96
Silver D-Ag	<0.000010	<0.000010	<0.000010
Sodium D-Na	4.1	3.9	4.2
Strontium D-Sr	0.414	0.386	0.428
Thallium D-Tl	<0.00010	0.00019	<0.00010
Tin D-Sn	<0.00010	<0.00010	<0.00010
Titanium D-Ti	<0.010	<0.010	<0.010
Uranium D-U	0.000127	0.000565	0.00590
Vanadium D-V	<0.0010	<0.0010	<0.0010
Zinc D-Zn	0.0089	0.0195	0.0047

Results are expressed as milligrams per litre except where noted.
 < = Less than the detection limit indicated.

Appendix D Fish Bioassay Results

Golder Associates Ltd.

195 Pemberton Avenue
North Vancouver, British Columbia, Canada V7P 2R4
Telephone 604-986-4331
Fax 604-662-8548



August 22, 2006

E/06/1032
06-1424-003

Yukon Zinc Corp.
Suite 700, 475 Howe St.
Vancouver, B.C. V6C 2V3

Attention: Ms. Pamela Ladyman

**RE: TOXICITY TESTING ON THE SAMPLE IDENTIFIED AS T25A
(COLLECTED ON AUGUST 3, 2006) WORK ORDER: 0600352**

Dear Ms. Ladyman:

We have conducted one 96-h LC50 toxicity test using rainbow trout on the above sample, received at Golder Associates Ltd. on August 4, 2006. The test was performed according to the Environment Canada protocol for conducting acute toxicity tests using rainbow trout (EPS 1/RM/13, Second Edition, 2000). The results of this test are based on the appended data and are presented in Table 1.

If you wish to schedule additional testing or have any questions regarding the data presented in this report, please do not hesitate to contact me by e-mail (rharrison@golder.com) or by telephone at 604-904-5430.

Yours very truly,
GOLDER ASSOCIATES LTD.

A handwritten signature in black ink, appearing to read 'R. Harrison', written over a white background.

Robert Harrison, B.Sc. Hons.
Laboratory Biologist – Fish Team

Verified By:

A handwritten signature in black ink, appearing to read 'Julianna Kalocai', written over a white background.

QA/QC Committee:
Julianna Kalocai, M.Sc.
Barri Rudolph, B.Sc.

Attachment: Table 1
REH/pdk

O:\Data\Final\2006-1424-06-1424-003\LET 0822_06 Yukon Zinc Tox Test Wo 0600352.doc



**TABLE 1:
96-h Toxicity Test Results**

Sample Identification	Sample Collection Date (Time)	96-h LC50 (95% Confidence Limits) [% vol/vol]
T25A	August 3, 2006 (1030h)	>100

Toxicity testing was carried out in accordance with applicable test methodologies and/or standards of practice. Our liability is limited solely to the cost of re-testing in the event of non-compliance with such test specifications or standards of practice. Golder accepts no responsibility or liability for the interpretation or use of these testing results by others, nor for any delay, loss, damage or interruptions of testing, collection, preparation, and delivery of samples or test results resulting from events or circumstances beyond our control.

GOLDER ASSOCIATES-NORTH VANCOUVER LABORATORY
RAINBOW TROUT ACUTE TOXICITY TEST DATA SUMMARY

Client Yukon Zinc Lab Analysts MPB, PCH
Lab Project No. 06-1424-003 Test Type 96-h LC50
Lab Work Order No. 0600352 Test Initiation Date Aug 8/06 @ 1230

SAMPLE

Identification T25A
Amount Received 1420L
Date Collected Aug 3/06
Date Received Aug 4/06
Other —

DILUTION/CONTROL WATER (initial water quality)

Fresh Water (dechlorinated)
Temperature (°C) 14
pH 6.9
Dissolved Oxygen (mg/L) 10.2
Conductivity (µS/cm) 40
Hardness (mg/L as CaCO₃) 12
Alkalinity (mg/L as CaCO₃) 12
Other —

TEST SPECIES INFORMATION

Source San Valley
Collection Date/Batch 071906
Control Fish Size (mean, SD and range measured at end of test)
Date Measured Aug 12/06
Fork Length (mm) 35 ± 5 (29 and 42)
Wet Weight (g) 0.34 ± 0.17 (0.17 and 0.51)
Reference Toxicant SDS
Current Reference Toxicant Result
Reference Toxicant Test Date July 31/06
Duration of Acclimation (days) 12
96-h LC50 (and 95% CL) 27 (23 and 31) mg/L
Reference Toxicant Warning Limits (mean ± 2SD) and CV
28 ± 13 mg/L SDS CV: 23%

TEST CONDITIONS

Dissolved Oxygen Range (mg/L) 9.3 - 10.2
Temperature Range (°C) 14
pH Range 6.3 - 7.2
Conductivity Range (µS/cm) 40 - 401
Aeration Provided? (give rate) 6.5 L/min/L
Photoperiod (L:D h) 16:8
No. Organisms/Volume 10/10L
Loading Density (g/L) 0.34
Acclimation Before Testing (days) 20
Mortality In Previous Week of Acclimation (%) 0.05
Other —

TEST RESULTS

The 96-h LC50 is estimated to be > 100% W/W

Data Verified By Galpin Date Verified Aug. 21/06

GOLDER ASSOCIATES-NORTH VANCOUVER LABORATORY
RAINBOW TROUT ACUTE TOXICITY TEST DATA

WHOLE SAMPLE WATER QUALITY

Client Yukon Zinc
 Lab Project No. 06-1424-003
 Lab Work Order No. 0600352
 Trout Batch No. and 7-d Acclimation Mortality 071906/0.05%
 No. Fish/Volume 10/10L
 Sample ID T7-5A
 Date/Time Collected Aug 3/06
 Test Initiation Date/Time Aug 8/06 @ 1230

Temp. (°C)	pH	pH Adjustment ¹	After 30-min Pre-aeration
14	6.5	/	14
9.5	9.5	/	6.6
399		/	9.5
			400

Total Pre-Aeration Time 30 min

1. Document pH adjustment procedure (if used) under "Comments".

Concentration % (v/v)	Dissolved Oxygen (mg/L)					Temperature (°C)					pH					Conductivity (µS/cm)	
	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	96
control	10.2	9.5	9.7	9.5	9.7	14	14	14	14	14	6.9	6.7	7.0	6.8	6.3	40	42
6.25	10.2	9.6	9.6	9.3	9.7	14	14	14	14	14	6.9	6.6	6.9	6.8	6.3	71	74
12.5	10.0	9.6	9.6	9.3	9.7	14	14	14	14	14	6.8	6.7	6.9	6.9	6.4	91	95
25	9.9	9.7	9.6	9.4	9.7	14	14	14	14	14	6.7	6.7	6.9	7.0	6.4	143	145
50	9.9	9.7	9.4	9.4	9.7	14	14	14	14	14	6.6	6.8	6.9	7.0	6.5	231	233
100	9.5	9.8	9.6	9.4	9.7	14	14	14	14	14	6.6	7.0	7.2	7.1	6.7	400	401
Technician Initials	Bea Bea MFB					Bea Bea MFB					Bea Bea MFB					Bea Bea MFB	

WQ Instruments Used: Temperature clear DO II-A-20 Conductivity II-A-030306
 Sample Description: calculated by Temperature clear
 Comments: DO was not recorded

Test Set Up By Bea Date Verified By Quinn
 Date Verified Aug 21/06

