Mystery Creek Resources, Inc.

Nixon Fork Mine
Plan of Operations and Reclamation Plan

Volume II
Of
Two Volumes

APPENDIX

Submitted to the

Anchorage Field Office
Bureau of Land Management
6881 Abbott Loop Road
Anchorage, AK 99507

by

Mystery Creek Resources, Inc.
2221 East Street, Suite 200
Golden, Colorado 80401

Prepared by
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August 2005

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Appendix A

Mining Claims

Federal

Nixon Fork Mine Project

Unpatented Federal Mining Claims

KATEEL RIVER MERIDAN
MT. MCKINLEY RECORDING DISTRICT, ALASKA

Claim Name	AAMC#
Golden Star	033627
Golden Star No. 1	033628
Shamrock (Lode)	033629
Mabel No. 1	033630
Mabel No. 2	033631
Mabel No. 3	033632
Mabel No. 4	033633
Mabel No. 5	033634
Boston	033635
Mabel No. 6	033636
Mohawk	033637
Tecla Pup	033638
North Star	033639
Goldfield	033640
Red Lode	033641
Walden	033642
Iron No. 1	033643
Iron No. 2	033644
Iron	033645
Chalcopyrite	033646
Chalcocite	033647
Southern Cross	033648
Texas	033649
Emergency	033650
Mystery	033651
Warrior	033652
Chief	033653
Boston Butt	033654
McGowan	033655
Keen	033656
Almasy	033657
Richardson	033658
Mespelt	033659
Dolf Mespelt	033660
Charlie Mespelt	033661
Evan Jones	033662
Carl Schuttler	033663
Leo Roderigue	033664
Hy Groshong	033665
Dick Matthews	033666

Federal
Nixon Fork Mine Project

Unpatented Federal Mining Claims (con't)
KATEEL RIVER MERIDAN
MT. MCKINLEY RECORDING DISTRICT, ALASKA

Claim Name	AAMC#
Montana	033667
Wernecke	033668
Griffin	033669
Whelan	033670
Bullock	033671
Matheison	033672
Pearson	033673
Strand	033674
Owen Gray	033675
Snow	033676
O'Malley	033677
Pinky Doodle No. 1	033678
Pinky Doodle No. 2	033679
Pinky Doodle No. 3	033680
Nevada	033681
Monzonite Fraction	033682
Porphyry Fraction	033683
Old Fitzgerald	033684
Jim Beam	033685
Old Taylor	033686
Old Grandad	033687
Old Crow	033688
Old Forester	033689
Crown Royal	033690
Pupinsky No. 1	033691
Pupinsky No. 2	033692
Pupinsky No. 3	033693
Jack Nixon No. 1	033694
Jack Nixon No. 2	033695
Jack Nixon No. 3	033696
Jack Nixon No. 4	033697
Jack Nixon No. 5	033698
Jack Nixon No. 6	033699
Jack Nixon No. 7	033700
Jack Nixon No. 8	033701
Jack Nixon No. 9	033702
Clough-Strand No. 1	033703
Clough-Strand No. 2	033704
Clough-Strand No. 3	033705
Clough-Strand No. 4	033706
Clough-Strand No. 5	033707

Federal
Nixon Fork Mine Project

Unpatented Federal Mining Claims (con't)
KATEEL RIVER MERIDAN
MT. MCKINLEY RECORDING DISTRICT, ALASKA

Claim Name	AAMC#
Clough-Strand No. 6	033708
Clough-Strand No. 7	033709
Clough-Strand No. 8	033710
Clough-Strand No. 9	033711
Idaho	033712
Utah	033713
Wyoming	033714
No. 1 Above Ruby Creek	033715
No. 2 Above ruby Creek	033716
No. 1 Above Crystal Gulch	033717
No. 1 Above Bench Ruby Creek	033718
No. 2 Above Discovery Holmes Gulch	033719
No. 1 Above Discovery Holmes Gulch	033720
Discovery Holmes Gulch	033721
Liberty No. 2	033722
Liberty No. 1	033723
Lincoln	033724
Shamrock (Placer)	033725
No. 3 Above Discovery Holmes Gulch	033726
Whelan Placer	033727
Amethyst	033728
Garnet South Extention	033729
Garnet	033730
Recreation	033731
Crystal	033732
Nixon Fork	033733
Black Bear	033734
No. 3 Above Ruby Creek	033735
No. 4 Above Ruby Creek	033736

State of Alaska
Nixon Fork Mine Project

State of Alaska Mining Claims
KATEEL RIVER MERIDAN
MT. MCKINLEY RECORDING DISTRICT, ALASKA

Claim Name	ADL #
M&A #1	312759
M&A #2	312760
M&A #3	312761
M&A #4	312762
MAR-1	508866
MAR-2	508867
MAR-3	508868
MAR-4	508869
MAR-5	508870
MAR-6	508871
MAR-7	508872
MAR-8	508873
MAR-9	508874
MAR-10	508875
MAR-11	508876
MAR-12	508877
MAR-13	508878
MAR-14	508879
MAR-15	508880
MAR-16	508881
NF-1	532159
NF-2	532160
NF-3	532161
NF-4	532162
NF-5	532163
NF-6	532164
NF-	532165
NF-8	532166
NF-9	532167
NF-10	532168
NF-11	532169
NF-12	532170
NF-1	532171
NF-14	532172
NF-15	532173
NF-16	532174
NF-17	532175
NF-18	532176
NF-19	532177

State of Alaska
Nixon Fork Mine Project

State of Alaska Mining Claims (con't)
KATEEL RIVER MERIDAN
MT. MCKINLEY RECORDING DISTRICT, ALASKA

Claim Name	ADL #
NF-20	532178
NF-21	532179
NF-22	532180
NF-23	532181
NF-24	532182

Appendix B

Development Rock Analytical Summary

Golder Associates Inc.

18300 NE Union Hill Road, Suite 200
Redmond, WA USA 98052-3333
Telephone (425) 883-0777
Fax (425) 882-5498
www.golder.com

April 9, 2004

Our Ref.: 033-5632x003

Mystery Creek Resources, Inc.
221 East Street, Suite 200
Golden, Colorado 80401

Attention: Mr. Paul C. Jones, President

RE: DEVELOPMENT ROCK CHARACTERIZATION – CRYSTAL MINE

Dear Mr. Jones:

This letter presents the results of geochemical testing conducted on two samples, representative of typical development rock, from the Crystal Mine. One limestone and one quartz monzonite sample were submitted to SGS Lakefield Research Limited (Lakefield) for Meteoric Water Mobility Procedure (MWMP) testing. Lakefield's original analytical report is provided as an attachment to this letter. Lakefield issued a revised analytical report (also provided as an attachment) following a request by Golder Associates Inc. (Golder) for additional quality assurance/quality control (QA/QC) information.

MWMP Protocol

The MWMP is a quasi-dynamic column leaching test developed as a regulatory classification test by the Nevada Department of Environmental Protection (NDEP). The procedure uses a standard charge of 5,000 g (dry mass) solid, all passing the 2-inch sieve, and an artificial "rainwater" lixiviant, reagent-grade distilled water with a pH of approximately 5.5. The test charge is placed in a 6-inch column, to which the "meteoric water" lixiviant is added at a rate of approximately 0.21 liters per hour until a total of 5,000 mL have been added (i.e., over a 24-hour period). Therefore, the total water:rock ratio of the test is 1:1 by mass. The effluent is collected, preserved as required and analyzed for a designated, standard suite of parameters. Results of the test are compared to standard criteria, and regulatory and operational judgments on waste management are based on whether the effluent results do (or do not) exceed the decision-making criteria. The test, including the relatively slow rate of application (which leads to prompt infiltration through the relatively coarse rock fraction), was developed by NDEP to simulate "standard" precipitation conditions under the semi-arid to arid climate of most of Nevada. Lakefield's MWMP protocol is based on the standard NDEP test procedure.

MWMP Results

The MWMP test results from both the original and revised laboratory reports are shown in Table 1. The leachate pH values of both samples are circum-neutral. Trace metal concentrations in the two leachates are generally low, with many metals reporting levels below the reported detection limits.

Copper, nickel, molybdenum and lead were detected in both samples at or below part per billion (ppb) levels.

Leachate results were compared to the strictest water quality criterion promulgated by the State of Alaska (i.e., drinking water, stock water, irrigation water, or acute and chronic freshwater criteria). Exceedances are identified in Table 1 using shaded cells. For hardness-dependent aquatic criteria, a surface water hardness of 50 mg/L (as $CaCO_3$) was assumed. This hardness level is considered representative of site surface waters (Jan Deick, Golder, personal communication).

No exceedances to the strictest regulatory criteria are observed in the MWMP leachates. However, for a number of constituents reporting limits are too high to assess compliance (identified by an asterisk in Table 1). The alkalinity of the monzonite sample is below the minimum aquatic life freshwater standard. Nitrate levels in leachate from the limestone sample (9.77 mg/L-N) approach the drinking water standard of 10 mg/L-N. The presence of nitrate is likely attributable to blasting residue.

Following review of the original laboratory report, Golder contacted Mr. Brian Graham at Lakefield regarding constituents with reporting limits above their strictest regulatory criterion. Because there are no standards for how the "reporting limit" for a laboratory is determined or defined, it is sometimes possible for a laboratory to report lower detection limits. Fundamentally, a detection limit is the lowest concentration that a laboratory considers can be reliably distinguished, with a known confidence limit, in samples under a given set of instrumental and laboratory conditions and procedures. Lakefield's typical "reporting limit" is the practical quantification limit (PQL), equivalent to five to ten times the method detection limit (MDL). The approach for estimating a MDL is generally consistent between laboratories. Several replicate low level method spikes are run and the standard deviation (σ) of these results is calculated. The MDL is then calculated as $\sim 3\sigma$ and defined as the measured response at which there is stated probability that the analyte is present. Lakefield's use of the PQL results in a greater degree of conservatism in reporting than use of an MDL. Lakefield reissued their laboratory report lowering their reporting limit (to a value between the MDL and PQL) for the following parameters: antimony, beryllium, cadmium, selenium and silver. The revised results for these constituents are shown in Table 1. Comparison of the revised results to regulatory criteria showed compliance for all parameters.

Quality Assurance/Quality Control

Lakefield's original analytical report did not include any QA/QC information. Golder contacted Lakefield regarding the availability of QA/QC data. A revised analytical report was issued by Lakefield which included instrument blank, instrument replicate and instrument standard analytical data. Review of these data indicated that all instrument replicate and instrument standard recoveries were within acceptable limits (within 90% to 110% recovery). Fluoride was detected in the blank sample at a concentration of 0.04 mg/L. This level is similar to that detected in the leachates (0.06 mg/L).

A charge balance error calculation was performed for the two chemical analyses as follows:

$$Error(\%) = \frac{(\sum cation - |\sum anion|)}{(\sum cation + |\sum anion|)}$$

Calculation of a charge balance error is a standard practice in assessing the accuracy of a water analyses. Solution electroneutrality means that the sum of cations in solution (expressed in meq/L) should be equal to the sum of anions. A charge balance error less than 5% is generally deemed acceptable (Hounslow, 1995)[1]. Charge balance errors of the Limestone and Monzonite leachates were both acceptable (i.e., less than 5%).

MWMP Limitations

The short-term nature of the MWMP dictates that it provides a snapshot in time of a material's environmental stability. The results from the MWMP depend entirely on the present disposition of the sample (e.g., is it unoxidized vs. oxidized; are oxidation products absent vs. present, etc.). The comparison of leachate qualities to state water quality criteria was conducted to provide context for the magnitude of leachate water quality concentrations and identify parameters of potential environmental concern. The absolute values of the MWMP leachate concentrations are not necessarily representative of concentrations that would be expected in discharges from mine facilities that contain limestone and/or monzonite during operation or post closure.

Summary

In summary, the MWMP testing shows that the limestone and monzonite samples are relatively "benign". Longer-term testing methodologies would be required to assess the transient behavior of these rock types and to fully characterize the spatial heterogeneity of these types of development rock.

Sincerely,

GOLDER ASSOCIATES INC.

C. Ross

Cheryl Ross, M.Sc.
Project Hydrogeochemist

Rens Verburg, Ph.D., P.Geo.
Associate Geochemist

Attachments: SGS Lakefield Laboratory Report

cc: Jan Deick (Golder Associates Inc.)
Henry Bogert (MCRI)

CR/tp

[1] Hounslow, A.W., 1995. Water Quality Data Analysis and Interpretation, Lewis Publishers, Boca Raton, Florida.

ATTACHMENTS

MWMP Results

Parameter	Units	Strictest Regulatory Criterion		Limestone Laboratory Original Report		Limestone Laboratory Revised Report	Monzonite Laboratory Original Report		Monzonite Laboratory Revised Report
Initial Moisture	%			<0.5		NA	< 0.5		NA
Final Moisture	%			0.9		NA	0.9		NA
Sample weight	g			5000		NA	5000		NA
Influent pH	s.u.			5.75		NA	5.50		NA
Extraction Time	hours			24		NA	24		NA
pH	s.u.	6.5 to 8.5 (acceptable range)	Aquatic	7.46		NA	7.12		NA
Alkalinity	mg/L as $CaCO_3$	20 (minimum)	Aquatic	24		NA	11		NA
Bicarbonate	mg/L as $CaCO_3$			24		NA	11		NA
Aluminum	mg/L	0.087 [a]	Aquatic	0.02		NA	0.02		NA
Antimony	mg/L	0.006	Drinking	< 0.05	*	0.0006	< 0.05	*	0.0019
Arsenic	mg/L	0.050	Drinking	< 0.005		NA	< 0.005		NA
Barium	mg/L	2	Drinking	0.002		NA	0.002		NA
Beryllium	mg/L	0.004	Drinking	< 0.005	*	<0.004	< 0.005	*	<0.004
Bismuth	mg/L			< 0.0003		NA	< 0.0003		NA
Boron	mg/L	0.75	Irrigation	0.07		NA	< 0.01		NA
Cadmium	mg/L	0.00015 [b]	Aquatic	< 0.0005	*	<0.0001	< 0.0005	*	<0.0001
Calcium	mg/L			12.8		NA	3.36		NA
Chloride	mg/L	230	Aquatic	9.1		NA	<2		NA
Chromium	mg/L	0.1 [c,b]	Drinking / Irrigation	< 0.001		NA	< 0.001		NA
Cobalt	mg/L	0.05	Irrigation	< 0.0003		NA	< 0.0003		NA
Copper	mg/L	0.005 [b]	Aquatic	0.0013		NA	0.0010		NA
Cyanide WAD	mg/L			< 0.01		NA	< 0.01		NA
Fluoride	mg/L	1	Irrigation	0.06		NA	0.06		NA
Gallium	mg/L			< 0.02		NA	< 0.02		NA
Iron	mg/L	1	Aquatic	< 0.02		NA	< 0.02		NA
Lead	mg/L	0.0012 [b]	Aquatic	0.0003		NA	0.0005		NA
Lithium	mg/L	2.5	Irrigation	< 0.005		NA	< 0.005		NA
Magnesium	mg/L			6.53		NA	0.72		NA
Manganese	mg/L	0.2	Irrigation	0.002		NA	0.014		NA
Mercury	ppm	0.00077	Aquatic	< 0.0001		NA	< 0.0001		NA
Molybdenum	mg/L	0.01	Irrigation	0.0017		NA	0.0007		NA
Nickel	mg/L	0.029 [b]	Aquatic	0.002		NA	0.004		NA
Nitrate	mg/L-N	10	Drinking	9.77		NA	0.66		NA
Nitrate + Nitrite	mg/L-N	10	Drinking	9.77		NA	0.66		NA
Nitrite	mg/L-N	1	Drinking	<0.6		NA	< 0.6		NA
Phosphorous	mg/L			< 0.01		NA	< 0.01		NA
Potassium	mg/L			0.83		NA	0.57		NA
Scandium	mg/L			< 0.01		NA	< 0.01		NA
Selenium	mg/L	0.0046 [d]	Aquatic	< 0.005	*	<0.004	< 0.005	*	<0.004
Silver	mg/L	0.001 [b]	Aquatic	< 0.005	*	<0.0001	< 0.005	*	<0.0001
Sodium	mg/L			7.73		NA	0.41		NA
Solids (Total Dissolved)	mg/L			100		NA	<30		NA
Strontium	mg/L			0.138		NA	0.021		NA
Sulphate	mg/L			<5		NA	<5		NA
Thallium	mg/L	0.002	Drinking	< 0.0002		NA	< 0.0002		NA
Tin	mg/L			< 0.001		NA	< 0.001		NA
Titanium	mg/L			< 0.005		NA	< 0.005		NA
Vanadium	mg/L	0.1	Irrigation	< 0.002		NA	< 0.002		NA
Zinc	mg/L	0.065 [b]	Aquatic	< 0.01		NA	< 0.01		NA

Notes:

NA - not applicable

[a] Criterion expressed as total recoverable concentration.

[b] Aquatic criterion is hardness dependent. A hardness of 50 mg/L as $CaCO_3$ is assumed.

[c] Drinking water criterion for total chromium is 0.1 mg/L. Aquatic chronic criteria for Cr(III) and Cr(VI) are 0.042 and 0.011 mg/L, respectively. Cr(III) criterion is hardness dependant (50 mg/L as $CaCO_3$ assumed).

[d] Selenium criteria is based on the speciation of selenium.

Shaded cells exceed strictest regulatory criterion.

"*" Compliance with regulatory criterion cannot be assessed. Detection limit exceeds strictest regulatory criteria.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

Project : 1040882-NFM

SGS Environmental - Anchorage
Attn : Victoria Bayly vbayly@sgsenvironmental.com

200 W. Potter Dr.
Anchorage, Alaska, 99502
USA

Phone: 907-562-2343
Fax:907-561-5301

Friday, March 12, 2004

Date Rec. : 27 February 2004
LR Report: **CA3300-FEB04**
Reference: Nixon Fork Mine

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: *Approved Date	2: *Approved Time	4: Limestone	5: Monzonite
Sample Date & Time			Date:NA	Date:NA
Initial Moisture [%]	12-Mar-04	07:45	< 0.5	< 0.5
Final Moisture [%]	12-Mar-04	07:45	0.9	0.9
Sample [weight(g)]	12-Mar-04	07:45	5000.0	5000.0
Influent pH [units]	12-Mar-04	07:45	5.75	5.50
Extraction Time [Hrs]	12-Mar-04	07:45	24.0	24.0
pH [no unit]	11-Mar-04	07:28	7.46	7.12
Alkalinity [mg/L as CaCO3]	11-Mar-04	07:28	24	11
Bicarbonate [mg/L]	11-Mar-04	07:28	24	11
Solids (Total Dissolved) [mg/L]	12-Mar-04	09:12	100	< 30
Cyanide WAD [mg/L]	11-Mar-04	08:41	< 0.01	< 0.01
Chloride [mg/L]	12-Mar-04	14:35	9.1	< 2
Fluoride [mg/L]	12-Mar-04	09:11	0.06	0.06
Nitrite (as nitrogen) [mg/L]	11-Mar-04	16:19	< 0.6	< 0.6
Nitrate (as nitrogen) [mg/L]	11-Mar-04	16:19	9.77	0.66
Nitrate + Nitrite (as nitrogen) [mg/L]	11-Mar-04	16:19	9.77	0.66
Sulphate [mg/L]	12-Mar-04	14:35	< 5	< 5
Mercury [ppm]	12-Mar-04	07:49	< 0.0001	< 0.0001
Silver [mg/L]	11-Mar-04	14:04	< 0.005	< 0.005
Aluminum [mg/L]	11-Mar-04	14:04	0.02	0.02
Arsenic [mg/L]	11-Mar-04	14:04	< 0.005	< 0.005
Barium [mg/L]	11-Mar-04	14:04	0.002	0.002
Beryllium [mg/L]	11-Mar-04	14:04	< 0.005	< 0.005
Boron [mg/L]	11-Mar-04	14:04	0.07	< 0.01
Bismuth [mg/L]	11-Mar-04	14:04	< 0.0003	< 0.0003
Calcium [mg/L]	11-Mar-04	14:05	12.8	3.36
Cadmium [mg/L]	11-Mar-04	14:05	< 0.0005	< 0.0005
Cobalt [mg/L]	11-Mar-04	14:05	< 0.0003	< 0.0003
Chromium [mg/L]	11-Mar-04	14:05	< 0.001	< 0.001
Copper [mg/L]	11-Mar-04	14:05	0.0013	0.0010

OnLine LIMS

Accredited by the Standards Council of Canada and CAEAL for specific registered tests.
Data reported represents the sample submitted to SGS Lakefield Research. Reproduction of this analytical report in full or in part is prohibited without prior written approval.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

Project : 1040882-NFM

LR Report : CA3300-FEB04

Analysis	1: *Approved Date	2: *Approved Time	4: Limestone	5: Monzonite
Iron [mg/L]	11-Mar-04	14:05	< 0.02	< 0.02
Gallium [mg/L]	12-Mar-04	08:40	< 0.02	< 0.02
Lithium [mg/L]	11-Mar-04	14:05	< 0.005	< 0.005
Potassium [mg/L]	11-Mar-04	14:05	0.83	0.57
Magnesium [mg/L]	11-Mar-04	14:05	6.53	0.720
Manganese [mg/L]	11-Mar-04	14:05	0.002	0.014
Molybdenum [mg/L]	11-Mar-04	14:05	0.0017	0.0007
Sodium [mg/L]	11-Mar-04	14:05	7.73	0.41
Nickel [mg/L]	11-Mar-04	14:05	0.002	0.004
Phosphorous [mg/L]	11-Mar-04	14:05	< 0.01	< 0.01
Lead [mg/L]	11-Mar-04	14:05	0.0003	0.0005
Antimony [mg/L]	11-Mar-04	14:05	< 0.05	< 0.05
Scandium [mg/L]	12-Mar-04	08:40	< 0.01	< 0.01
Selenium [mg/L]	11-Mar-04	14:05	< 0.005	< 0.005
Tin [mg/L]	11-Mar-04	14:05	< 0.001	< 0.001
Strontium [mg/L]	11-Mar-04	14:05	0.138	0.021
Titanium [mg/L]	11-Mar-04	14:05	< 0.005	< 0.005
Thallium [mg/L]	11-Mar-04	14:05	< 0.0002	< 0.0002
Vanadium [mg/L]	11-Mar-04	14:05	< 0.002	< 0.002
Zinc [mg/L]	11-Mar-04	14:05	< 0.01	< 0.01

Meteoric Water Mobility Procedure

Brian Graham B.Sc.
Project Coordinator
Environmental Services, Analytical

OnLine LIMS

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Data reported represents the sample submitted to SGS Lakefield Research. Reproduction of this analytical report in full or in part is prohibited without prior written approval.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

Project : 1040882-NFM

SGS Environmental - Anchorage
Attn : Victoria Bayly vbayly@sgsenvironmental.com

200 W. Potter Dr.
Anchorage, Alaska, 99502
USA

Phone: 907-562-2343
Fax:907-561-5301

Thursday, April 08, 2004

Date Rec. : 27 February 2004
LR Report: **CA3300-FEB04**
Reference: Nixon Fork Mine

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: *Approved Date	2: *Approved Time	4: Limestone	5: Monzonite	6: Instrument Blank	7: Instrument Replicate	8: Instrument Standard
Sample Date & Time			Date:NA	Date:NA			
Initial Moisture [%]	12-Mar-04	07:45	< 0.5	< 0.5	---	---	---
Final Moisture [%]	12-Mar-04	07:45	0.9	0.9	---	---	---
Sample [weight(g)]	12-Mar-04	07:45	5000.0	5000.0	---	---	---
Influent pH [units]	12-Mar-04	07:45	5.75	5.50	---	---	---
Extraction Time [Hrs]	12-Mar-04	07:45	24.0	24.0	---	---	---
pH [no unit]	11-Mar-04	07:28	7.46	7.12	6.84	---	99.7%
Alkalinity [mg/L as CaCO3]	11-Mar-04	07:28	24	11	1.8	---	94.5%
Bicarbonate [mg/L]	11-Mar-04	07:28	24	11	1.8	---	94.5%
Solids (Total Dissolved) [mg/L]	12-Mar-04	09:12	100	< 30	< 30	98.1%	---
Cyanide WAD [mg/L]	11-Mar-04	08:41	< 0.01	< 0.01	< 0.01	---	93%
Chloride [mg/L]	12-Mar-04	14:35	9.1	< 2	< 0.2	100%	100%
Fluoride [mg/L]	12-Mar-04	09:11	0.06	0.06	0.04	---	103%
Nitrite (as nitrogen) [mg/L]	11-Mar-04	16:19	< 0.6	< 0.6	< 0.06	99%	97%
Nitrate (as nitrogen) [mg/L]	11-Mar-04	16:19	9.77	0.66	< 0.05	101%	100%
Nitrate + Nitrite (as nitrogen) [mg/L]	11-Mar-04	16:19	9.77	0.66	---	---	---
Sulphate [mg/L]	12-Mar-04	14:35	< 5	< 5	< 0.5	100%	103%
Mercury [ppm]	12-Mar-04	07:49	< 0.0001	< 0.0001	< 0.0001	---	97%
Silver [mg/L]	08-Apr-04	14:59	< 0.0001	< 0.0001	< 0.0001	---	94%
Aluminum [mg/L]	11-Mar-04	14:04	0.02	0.02	< 0.01	---	99%
Arsenic [mg/L]	11-Mar-04	14:04	< 0.005	< 0.005	< 0.005	---	97%
Barium [mg/L]	11-Mar-04	14:04	0.002	0.002	< 0.001	---	101%
Beryllium [mg/L]	11-Mar-04	14:04	< 0.004	< 0.004	< 0.004	---	106%
Boron [mg/L]	11-Mar-04	14:04	0.07	< 0.01	0.01	---	101%
Bismuth [mg/L]	11-Mar-04	14:04	< 0.0003	< 0.0003	< 0.0003	---	102%
Calcium [mg/L]	11-Mar-04	14:05	12.8	3.36	< 0.05	---	100%
Cadmium [mg/L]	11-Mar-04	14:05	< 0.0001	< 0.0001	< 0.0001	---	92%
Cobalt [mg/L]	11-Mar-04	14:05	< 0.0003	< 0.0003	< 0.0003	---	97%
Chromium [mg/L]	11-Mar-04	14:05	< 0.001	< 0.001	< 0.001	---	92%
Copper [mg/L]	11-Mar-04	14:05	0.0013	0.0010	< 0.0008	---	---

OnLine LIMS

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Data reported represents the sample submitted to SGS Lakefield Research. Reproduction of this analytical report in full or in part is prohibited without prior written approval.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

Project : 1040882-NFM

LR Report : CA3300-FEB04

Analysis	1: *Approved Date	2: *Approved Time	4: Limestone	5: Monzonite	6: Instrument Blank	7: Instrument Replicate	8: Instrument Standard
Iron [mg/L]	11-Mar-04	14:05	< 0.02	< 0.02	< 0.02	---	99%
Gallium [mg/L]	12-Mar-04	08:40	< 0.02	< 0.02	---	---	---
Lithium [mg/L]	11-Mar-04	14:05	< 0.005	< 0.005	< 0.005	---	98%
Potassium [mg/L]	11-Mar-04	14:05	0.83	0.57	< 0.02	---	106%
Magnesium [mg/L]	11-Mar-04	14:05	6.53	0.720	< 0.005	---	98%
Manganese [mg/L]	11-Mar-04	14:05	0.002	0.014	< 0.002	---	104%
Molybdenum [mg/L]	11-Mar-04	14:05	0.0017	0.0007	< 0.0003	---	103%
Sodium [mg/L]	11-Mar-04	14:05	7.73	0.41	0.05	---	100%
Nickel [mg/L]	11-Mar-04	14:05	0.002	0.004	< 0.001	---	100%
Phosphorous [mg/L]	11-Mar-04	14:05	< 0.01	< 0.01	< 0.01	---	---
Lead [mg/L]	11-Mar-04	14:05	0.0003	0.0005	< 0.0002	---	100%
Antimony [mg/L]	08-Apr-04	14:58	0.0006	0.0019	< 0.0004	---	109%
Scandium [mg/L]	12-Mar-04	08:40	< 0.01	< 0.01	---	---	---
Selenium [mg/L]	11-Mar-04	14:05	< 0.004	< 0.004	< 0.004	---	95%
Tin [mg/L]	11-Mar-04	14:05	< 0.001	< 0.001	< 0.001	---	103%
Strontium [mg/L]	11-Mar-04	14:05	0.138	0.021	0.0002	---	100%
Titanium [mg/L]	11-Mar-04	14:05	< 0.005	< 0.005	< 0.005	---	107%
Thallium [mg/L]	11-Mar-04	14:05	< 0.0002	< 0.0002	< 0.0002	---	102%
Vanadium [mg/L]	11-Mar-04	14:05	< 0.002	< 0.002	< 0.002	---	102%
Zinc [mg/L]	11-Mar-04	14:05	< 0.01	< 0.01	< 0.01	---	103%

Reporting limits for antimony, beryllium, cadmium, selenium and silver lowered as requested. Report revised.

Brian Graham B.Sc.
Project Coordinator
Environmental Services, Analytical

OnLine LIMS

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Appendix C

Existing Tailings Analytical Summary

Golder Associates Inc.

18300 NE Union Hill Road, Suite 200
Redmond, WA USA 98052-3333
Telephone (425) 883-0777
Fax (425) 882-5498
www.golder.com

October 15, 2004

Our Ref.: 033-5632.002x003

Mystery Creek Resources, Inc.
221 East Street, Suite 200
Golden, Colorado 80401

Attention: Mr. Paul C. Jones, President

RE: MILL TAILINGS MWMP AND ABA ANALYSIS – NIXON FORK MINE

Dear Mr. Jones:

This letter presents the results of geochemical testing conducted on tailings samples collected from the existing mill tailings impoundment at the Nixon Fork Mine (Figure 1). Gold mine tailings were discharged to this impoundment between 1995 and 1998. A tailings beach exists at the northern side of the impoundment, as shown in Figure 1.

It is our understanding that Mystery Creek Resources, Inc. (Mystery Creek) intends to reprocess these tailings to extract gold not recovered during the primary processing. The specific reprocessing method is still under development. Following reprocessing, tailings will be dry stacked. This letter presents the results of geochemical testing conducted on samples of the existing tailings. The intent of this testing was to provide a preliminary assessment of the environmental stability of the Nixon Fork tailings under future conditions (i.e., in a dry stack environment).

Sample Collection

Two five-gallon bucket samples of wet tailings were collected by the Mine Superintendent, Mr. Henry Bogert, P.E., on July 17, 2004 from the north side of the tailings impoundment. Samples were collected at depth below standing water, present at the time of the sampling. Samples were shipped to the Golder Associates Inc. (Golder) office in Anchorage, Alaska. Upon arrival in Anchorage, samples for chemical analysis were collected from the bulk samples according to the following procedure:

1. The buckets were opened and the excess water decanted.
2. A cylinder (~ six inch diameter) was removed from the center of each bucket and placed in a clean pan.
3. Each sample was mixed with a metal spoon to homogenize the material.
4. Following mixing, each sample was split into thirds. Samples were piled and a line drawn through each sample from the center to the outside edge. A second line was then

drawn approximately 120 degrees from the first line, and a third line 120 degrees from the second line.

5. Each sample was placed in a jar. Samples from buckets 1 and 2 were labeled as 1-1, 1-2, 1-3 (bucket 1) and 2-1, 2-2 and 2-3 (bucket 2), respectively.

6. Samples were shipped in a 5-gallon bucket to SGS Lakefield Research (Lakefield) in Lakefield, Ontario.

7. The remaining tailings were shipped to Denver for proctor and sieve tests.

Sample Analysis

Meteoric Water Mobility Procedure (MWMP) (i.e., short-term leach testing) and Acid Base Accounting (ABA) analyses were performed by Lakefield following standard protocols on all six samples. A discussion of each of these testing procedures follows.

MWMP

The MWMP is a quasi-dynamic column leaching test developed for regulatory classification by the Nevada Department of Environmental Protection (NDEP). The procedure uses a standard charge of 5,000[1] g (dry mass) solid, all passing the 2-inch sieve, and an artificial "rainwater" lixiviant, reagent-grade distilled water with a pH of approximately 5.5. The test charge is placed in a 6-inch column, to which the "meteoric water" lixiviant is added at a rate of approximately 0.21 liters per hour until a total of 5,000 mL have been added (i.e., over a 24-hour period). Therefore, the total water:rock ratio of the test is 1:1 by mass. The effluent is collected, preserved as required and analyzed for a designated, standard suite of parameters. Results of the test are compared to standard criteria, and regulatory and operational judgments on waste management are based on whether the effluent results do (or do not) exceed the decision-making criteria. The test, including the relatively slow rate of application (which leads to prompt infiltration through the relatively coarse rock fraction), was developed by NDEP to simulate "standard" precipitation conditions under the semi-arid to arid climate of most of Nevada. Lakefield's MWMP protocol is based on the standard NDEP test procedure.

Acid Base Accounting (ABA)

ABA is generally performed to predict the acid neutralizing potential (NP) and acid generation potential (AP) of a mining-related material (e.g., ore, waste rock, tailings). ABA included determination of the following:

- Paste pH;
- Bulk acid neutralization potential (NP);

[1] The charge for the current testing was reduced to 500 g. Samples were leached with 500 mL of distilled water, thereby maintaining a 1:1 liquid to solid ratio by mass.

- Acid generation potential (AP) by sulfur determination (total sulfur, sulfate sulfur and sulfide sulfur); and,

- Carbonate neutralization potential (CaNP) by total inorganic carbon (TIC) analysis.

The NP of a material is determined by treating the sample with a known excess of hydrochloric acid, and back-titrating the amount of unconsumed acid with sodium hydroxide. The principal neutralizing minerals in most geologic materials are calcium and magnesium carbonates. Additional neutralizing minerals include basic silicates such as calcic feldspars, olivine, amphiboles, and biotite, but due to their slower dissolution rates, their contribution to the overall NP is generally considered to be small. Felsic silicates, such as sodic and potassic feldspars, muscovite, most clay minerals, and quartz, do not contribute significantly to the NP. The NP is expressed in units of tonnes of calcium carbonate equivalent per 1000 tonnes of material (t $CaCO_3$/ 1000 t).

The carbonate neutralization potential (CaNP) of a sample is determined from its total inorganic carbon content (TIC). CaNP is a measure of the maximum neutralization capacity of a sample assuming all carbonates react like calcite. As noted earlier, only calcium and magnesium carbonates are the principal neutralizing minerals in most geologic materials. Iron and manganese carbonates (e.g., siderite [$FeCO_3$], ankerite [$CaFe(CO_3)_2$], and rhodochrosite [$MnCO_3$]) do not contribute buffering capacity since subsequent hydrolysis of the Fe and Mn tends to generate acidity. Therefore, if iron and manganese carbonates are present, CaNP will overestimate the neutralizing capacity of a material.

Paste pH is a qualitative corollary of the NP, and provides additional information on the acid generating and neutralizing capabilities of a material. It is determined by mixing the solid with a fixed amount of distilled water, and measuring the pH of the resulting slurry.

The AP of a material is derived from a sulfur determination. Total sulfur and sulfate-sulfur were determined for the present study. Sulfide sulfur was then assumed to be equivalent to the difference between these two values. AP was then calculated from the sulfide content of the tailing. As for NP, the AP is expressed as (t $CaCO_3$/ 1000 t).

Geochemical Testing Results

MWMP and ABA results are presented in Tables 1 and 2, respectively. Lakefield's analytical reports are provided as attachments to this letter.

MWMP Results

All sample leachates reported circum-neutral pHs, ranging from 7.8 to 7.9. Five of the six samples reported similar leachate constituent concentrations. Sample 2-1 was the exception with a number of constituents reporting lower concentrations relative to the other five samples (e.g., alkalinity, antimony, arsenic, boron, calcium, cobalt, magnesium, nickel, potassium, sodium and sulfate). This difference is best illustrated by comparing the total dissolved solids (TDS) concentration of Sample 2-1, 286 mg/L, to the other five samples that reported values ranging from 1,330 to 2,680 mg/L (Table 1). Lakefield was contacted regarding the apparently low constituent concentrations for this sample. Lakefield confirmed that the results as reported were accurate.

The intent of MWMP analysis is to assess the potential for metal leaching from the Nixon Fork tailings. Metal concentrations in leachates generated by the MWMP tests were compared to the strictest water quality criterion promulgated by the State of Alaska (i.e., drinking water, stock water, irrigation water, or acute and chronic freshwater criteria). Exceedances are identified in Table 1 as bolded values. For hardness-dependent aquatic criteria, a hardness of 235 mg/L (as $CaCO_3$) was assumed. The potential receiving water at this site is groundwater. Based on conversations with Alaska Department of Environmental Conservation (ADEC), surface water criteria would be applicable to discharge to groundwater at this site (Jan Deick, Golder, personal communication). Hardness dependant criteria are therefore calculated based on the groundwater hardness. A hardness of 235 mg/L is considered representative of site groundwater per the long-term pump tests conducted at the Nixon Fork Mine (Jan Deick, Golder, personal communication).

Comparison of leachate concentrations to regulatory criteria is considered an initial screening tool in the identification of potential constituents of concern. Although exceedances are highlighted in this report, it should not be inferred that such exceedances will therefore indeed occur in seepage/runoff from a dry stack tailings impoundment. The results of leach tests are sensitive to the methodology used (e.g., solid to solution ratio, nature of the lixiviant). Therefore, although leach tests provide a good estimation of which metals are most likely to leach from a particular material, leachate metal concentrations may exhibit some variability related to the specific test methodology used and may not be representative of field scale conditions. Actual surface water runoff and seepage quality will be affected by site-specific conditions (e.g. climate, hydrology, tailings pond configuration). Therefore, although MWMP testing results provide an indication of potential constituents of concern, they may not be indicative of future site concentrations. Reprocessing of the tailings may also alter their metal leaching potential.

Lakefield's routine "reporting limit" for analytical reports is the practical quantification limit (PQL). However, for some constituents, Lakefield's PQL is above the strictest regulatory criterion. Because there are no standards for how the "reporting limit" for a laboratory is determined or defined, it is sometimes possible for a laboratory to report lower detection limits. Fundamentally, a detection limit is the lowest concentration that a laboratory considers can be reliably distinguished, with a known confidence limit, in samples under a given set of instrumental and laboratory conditions and procedures. Lakefield's PQL is typically equivalent to five to ten times the method detection limit (MDL). The approach for estimating a MDL is generally consistent between laboratories. Several replicate low level method spikes are run and the standard deviation (σ) of these results is calculated. The MDL is then calculated as $\sim 3\sigma$ and defined as the measured response at which there is stated probability that the analyte is present. Lakefield's use of the PQL results in a greater degree of conservatism in reporting than use of an MDL. For some constituents, Lakefield has reported results to the MDL. Any results reported between the PQL and MDL have been qualified as estimates (i.e., assigned a "J" flag).

The following constituents were reported in MWMP leachates at levels above their respective strictest regulatory criterion (number of leachates reporting exceedances shown in brackets): antimony (5), weak acid dissociable (WAD) cyanide (1), manganese (6), molybdenum (6), selenium (3), total dissolved solids (TDS) (5) and sulfate (5).

Antimony, manganese, molybdenum and selenium were all detected in MWMP leachates at levels above regulatory criteria in 50% or more of the samples. Antimony, molybdenum and selenium generally occur as oxyanions in oxidizing environments. At neutral pH, these constituents are

generally mobile. Under acidic to near-neutral conditions, adsorption may occur onto iron oxides, if present (Langmuir *et al.*, 2003)[2].

Acid Base Accounting (ABA)

ABA results are presented in Table 2. All samples reported alkaline paste pH values, ranging from 8.5 to 8.7. The total sulfur and sulfide-sulfur contents of all samples were similar. Average total sulfur and sulfide-sulfur contents were 0.5 and 0.07 wt. %, respectively. The average neutralization potential was 415 t $CaCO_3$/1000 t. The results of total inorganic carbon analysis (TIC) indicate that much of the available NP is likely present as carbonate minerals. Carbonate NP (CaNP) accounts for between approximately 60 and 80% of total NP.

Most of the sulfur in these samples is present as sulfate. This is not unexpected given that the tailings samples were collected from the near surface of the tailings beach, where tailings are exposed to atmospheric oxygen.

A number of different criteria have been developed for determining whether a material is considered acid generating based on the results of ABA testing. The most common approaches are those based on use of the neutralization potential ratio (NPR = NP/AP) and the net neutralization potential (NNP = NP - AP). For several reasons, no single ratio nor NNP value has been identified to have universal applicability in terms of predicting acid generation. The actual threshold values for a particular solid are material-specific, and depend on many factors, including the amounts and types of acid generating and neutralizing minerals, their morphology, their grain size, their crystallinity, their chemical composition, their paragenesis, the material's texture, and the site-specific exposure conditions.

Guidelines presented by Price (1997)[3] were applied in the classification of potentially acid generating (PAG) material for this study. Price classifies materials with an NPR value greater than 4 as having no potential to generate acidity. The Nixon Fork tailings NPR values are well in excess of 4 (ranging from 152 to 381) and therefore are defined as having no potential to generate acidity.

Quality Assurance/Quality Control (QA/QC)

Lakefield's original MWMP analytical report did not include any QA/QC information. Golder contacted Lakefield regarding the availability of QA/QC data. A revised analytical report was issued by Lakefield which included instrument blank, instrument replicate and instrument standard analytical data. Review of these data indicated that all instrument standard recoveries were within acceptable limits (within 90% to 110% recovery). All replicate samples were within acceptable limits

[2] Langmuir, D., Chrostowski, P., Chaney, R., and B. Vigneault, 2003. Draft Issue Paper on the Environmental Chemistry of Metals, submitted by ERG to the U.S. Environmental Protection Agency Risk Assessment Forum, August 2003.

[3] Price, W.A., 1997. Draft Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock Drainage at Minesites in British Columbia. Reclamation Section, Energy and Minerals Division, Ministry of Employment and Investment, Smithers, BC.

(within 90% to 110% recovery); however, replicate analysis was not performed for all constituents. All constituents were below detectable limits in the blank sample.

A charge balance error calculation was performed for the two chemical analyses as follows:

$$Error(\%) = \frac{(\sum cation - |\sum anion|)}{(\sum cation + |\sum anion|)}$$

Calculation of a charge balance error is a standard practice in assessing the accuracy and completeness of a water analyses. Solution electroneutrality dictates that the sum of cations in solution (expressed in meq/L) should be equal to the sum of anions. A charge balance error less than 5% is generally deemed acceptable (Hounslow, 1995)[4]. Charge balance errors for the six leachates ranged from 0 to 8%. Charge balance errors for samples 1-1 and 2-1 exceeded the 5% criterion (-6.7% and -8.0%, respectively).

Summary

MWMP and ABA analyses were conducted on six tailings samples from the existing Nixon Fork tailings impoundment to assess their environmental stability. The results of testing conducted to date provide a preliminary assessment of existing tailings stability. However, the results from the MWMP depend entirely on the present disposition of the sample (e.g., is it unoxidized vs. oxidized; are oxidation products absent vs. present, etc.), and are not necessarily representative of leachate concentrations from the future tailings facility. In addition, these tailings will be re-processed prior to dry stacking which may result in changes to their metal leaching potential. Additional testing of the re-processed tailings would be required to further evaluate the leaching potential of the dry-stacked tailings.

Consistency in MWMP and ABA results suggests that the tailings are homogenous at the sample location. It is assumed that the results are representative of material from the entire tailings impoundment. A comparison of leachate qualities to state water quality criteria was conducted to provide context for the magnitude of leachate water quality concentrations and identify parameters of potential environmental concern. MWMP testing identified a number of constituents which may leach under neutral pH conditions, specifically: antimony, molybdenum, selenium, manganese, and sulfate. The cyanide result is potentially a false positive since we understand that cyanide was never used at the facility. The results of ABA analysis indicate that the tailings have a high neutralization potential and relatively low total sulfur content. Therefore, the potential for acidic conditions to develop in these tailings is considered low.

[4] Hounslow, A.W., 1995. Water Quality Data Analysis and Interpretation, Lewis Publishers, Boca Raton, Florida.

Sincerely,

GOLDER ASSOCIATES INC.

C. Ross

Cheryl Ross, M.Sc.
Project Hydrogeochemist

for Matt Wickham, M.Sc.
Associate Geochemist

Attachments: SGS Lakefield Laboratory Reports

cc: Jan Deick (Golder Associates Inc.), Henry Bogert (MCRI)

Cr/cr

Tailings MWMP and ABA (Sept 2004)_mpw

TABLES

MWMP Results

		Strictest State Water Quality Standard		Sample 1-1		Sample 1-2		Sample 1-3		Sample 2-1		Sample 2-2		Sample 2-3	
Initial Moisture	%			19.7		18.7		19.9		21.7		21		19.5	
Final Moisture	%			N/A		N/A		N/A		N/A		N/A		N/A	
Sample weight	g			550		550		550		550		550		550	
Influent pH	s.u.			8.16		8.19		8.18		8.09		8.16		7.99	
Extraction Time	hours			N/A		N/A		N/A		N/A		N/A		N/A	
pH	s.u.	6.5 to 8.5 (acceptable range)	Aquatic	7.93		7.89		7.92		7.82		7.87		7.86	
Alkalinity	mg/L as $CaCO_3$	20 (minimum)	Aquatic	88		83		94		46		81		87	
Bicarbonate	mg/L as $CaCO_3$			88		83		94		46		81		87	
Aluminum	mg/L	0.087 [a]	Aquatic	< 0.01		0.01		< 0.01		0.01		< 0.01		< 0.01	
Antimony	mg/L	0.006	Drinking	**0.031**	J	**0.036**	J	**0.033**	J	0.006	J	**0.037**	J	**0.038**	J
Arsenic	mg/L	0.05 [e]	Drinking	0.014		0.012		0.009		< 0.005		0.012		0.011	
Barium	mg/L	2	Drinking	0.028		0.029		0.027		0.043		0.032		0.034	
Beryllium	mg/L	0.004	Drinking	<0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001	
Bismuth	mg/L			< 0.0003		< 0.0003		< 0.0003		< 0.0003		< 0.0003		< 0.0003	
Boron	mg/L	0.75	Irrigation	0.39		0.40		0.39		0.04		0.36		0.39	
Cadmium	mg/L	0.00045 [b]	Aquatic	< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001		0.0001	J
Calcium	mg/L			275		272		252		57.6		336		550	
Chloride	mg/L	230	Aquatic	15		14		14		14		17		16	
Chromium	mg/L	0.1 [c,b]	Drinking / Irrigation	0.004		0.004		0.003	J	< 0.003		0.003	J	0.004	
Cobalt	mg/L	0.05	Irrigation	0.0052		0.0053		0.0050		0.0007		0.0096		0.0194	
Copper	mg/L	0.018 [b]	Aquatic	0.002		0.003		0.003		0.008		0.004		0.008	
Cyanide WAD	mg/L	0.0052	Aquatic	< 0.005		**0.01**		< 0.005		< 0.005		< 0.005		< 0.005	
Fluoride	mg/L	1	Irrigation	0.46		0.46		0.43		0.20		0.40		0.44	
Gallium	mg/L			< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02	
Iron	mg/L	1	Aquatic	< 0.02		0.02		< 0.02		< 0.02		< 0.02		< 0.02	
Lead	mg/L	0.0063 [b]	Aquatic	0.0004		0.0015		0.0002		0.0003		0.0013		< 0.0002	
Lithium	mg/L	2.5	Irrigation	< 0.05		< 0.05		< 0.05		< 0.05		< 0.05		0.067	
Magnesium	mg/L			40.7		40.2		37.4		6.49		46.1		66.5	
Manganese	mg/L	0.2	Irrigation	**0.444**		**0.434**		**0.443**		**0.380**		**0.666**		**1.06**	
Mercury	ppm	0.00077	Aquatic	< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001	
Molybdenum	mg/L	0.01	Irrigation	**0.0349**		**0.0336**		**0.0292**		**0.0176**		**0.0348**		**0.0412**	
Nickel	mg/L	0.107 [b]	Aquatic	0.012		0.012		0.013		< 0.001		0.015		0.027	
Nitrate	mg/L-N	10	Drinking	< 0.5		0.7		<0.5		<0.5		<0.5		<0.5	
Nitrate + Nitrite	mg/L-N	10	Drinking	< 0.5		0.7		<0.5		<0.5		<0.5		<0.5	
Nitrite	mg/L-N	1	Drinking	< 0.5		< 0.5		<0.5		<0.5		<0.5		<0.5	
Phosphorous	mg/L			< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1	
Potassium	mg/L			32.4		32.7		30.6		11.7		37.8		45.7	
Scandium	mg/L			< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	
Selenium	mg/L	0.0046 [d]	Aquatic	**0.0071**		0.0038	J	0.0040	J	0.0020	J	**0.0091**		**0.0122**	
Silver	mg/L	0.015 [b]	Aquatic	< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001		< 0.0001	
Sodium	mg/L			28.8		27.9		26.2		2.95		28.1		31.2	
Solids (Total Dissolved)	mg/L	500[f]		**1410**		**1360**		**1330**		286		**1660**		**2680**	
Strontium	mg/L			0.794		0.799		0.755		0.132		0.807		1.15	
Sulfate	mg/L	250[f]		**910**		**870**		**780**		150		**1000**		**1600**	
Thallium	mg/L	0.002	Drinking	< 0.0002		< 0.0002		< 0.0002		< 0.0002		< 0.0002		< 0.0002	
Tin	mg/L			< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		< 0.001	
Titanium	mg/L			< 0.005		< 0.005		< 0.005		< 0.005		< 0.005		< 0.005	
Vanadium	mg/L	0.1	Irrigation	0.002		< 0.002		< 0.002		< 0.002		0.003		0.006	
Zinc	mg/L	0.269 [b]	Aquatic	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	

Notes:

NA - not applicable

[a] Criterion expressed as total recoverable concentration.

[b] Aquatic criterion is hardness dependent. A hardness of 235 mg/L as $CaCO_3$ is assumed.

[c] Drinking water criterion for total chromium is 0.1 mg/L. Aquatic chronic criteria for Cr(III) and Cr(VI) are 0.042 and 0.011 mg/L, respectively. Cr(III) criterion is hardness dependant (50 mg/L as $CaCO_3$ assumed).

[d] Selenium criterion is based on the speciation of selenium.

[e] The arsenic maximum contaminant level (MCL) of 0.01 mg/L will become enforceable in January 2006.

[f] National Secondary Drinking Water Standards. Adopted by Alaska as enforceable standards (18 AAC 70.220).

Bolded cells identify exceedance of strictest regulatory criterion.

J = Estimated concentrations because the result is between the MDL and PQL. "J" flag not assigned to values reported as below detectable limits at the MDL.

TABLE 2

ABA Results

Parameter	Units	Sample 1-1	Sample 1-2	Sample 1-3	Sample 2-1	Sample 2-2	Sample 2-3	Average
Paste pH	s.u.	8.56	8.64	8.67	8.61	8.61	8.48	8.59
S-total	wt. %	0.53	0.56	0.54	0.45	0.45	0.56	0.52
$S^{=}$	wt. %	0.08	0.08	0.07	0.05	0.04	0.09	0.07
SO_4	wt. % SO_4	1.36	1.45	1.42	1.19	1.23	1.43	1.3
C(t)	wt. %	4.54	4.45	4.55	4.34	4.45	4.51	4.5
CO_3	wt. %	17.6	17.1	17.7	17.6	17.8	17.9	18
NP	t $CaCO_3$/1000 t	386	381	388	375	457	503	415
CaNP	t $CaCO_3$/1000 t	294	285	295	294	297	299	294
AP	t $CaCO_3$/1000 t	2.5	2.5	2.2	1.6	1.2	2.8	2.1
NNP	t $CaCO_3$/1000 t	384	378	386	373	456	500	413
NPR (NP/AP)		154	152	176	234	381	180	213

NP - Neutralization Potential
CaNP - Carbonate NP
AP - Acid Potential (calculated from sulfide sulfur)
NNP - Net Neutralization Potential (NNP) (calculated as NP-AP)
NPR - Neutralization Potential Ratio

FIGURE

Golder Associates

Nixon Fork Mine

TITLE

Nixon Fork Tailings Impoundment

DRAWN	CR	DATE	October 2004	JOB NO.	033-5632
CHECKED		SCALE		DWG. NO.	
REVIEWED		FILE NO.	ABA MWMP Memo.xls	FIGURE NO.	**1**

ATTACHMENT A

ANALYTICAL REPORTS

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

SGS Environmental - Anchorage
Attn : Victoria Bayly vbayly@sgsenvironmental.com

200 W. Potter Dr.
Anchorage, Alaska, 99502
USA

Phone: 907-562-2343
Fax:907-561-5301

Wednesday, September 22, 2004

Date Rec. : 26 July 2004
LR Report: **CA10431-JUL04**

Copy: #4

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: *Approved Date	2: *Approved Time	3: PQL	10: MDL	4: Sample 1-1	5: Sample 1-2	6: Sample 1-3
Sample Date & Time					22-Jul-04 11:30	22-Jul-04 11:30	22-Jul-04 11:30
Moisture [%]	26-Aug-04	16:29	---	---	19.7	18.7	19.9
Sample [weight(g)]	26-Aug-04	16:29	---	---	550	550	550
Volume mL [D.I. H2O]	26-Aug-04	16:29	---	---	442	447	440
InitialpH [units]	26-Aug-04	16:29	---	---	8.16	8.19	8.18
Final pH [units]	26-Aug-04	16:29	---	---	7.44	7.44	7.44
pH [no unit]	25-Aug-04	16:45	0.01	0.01	7.93	7.89	7.92
Alkalinity [mg/L as CaCO3]	25-Aug-04	16:45	2	1	88	83	94
Bicarbonate [mg/L]	25-Aug-04	16:45	2	1	88	83	94
Solids (Total Dissolved) [mg/L]	25-Aug-04	09:15	30	27	1410	1360	1330
Cyanide WAD [mg/L]	26-Aug-04	09:56	0.01	0.005	< 0.005	0.010	< 0.005
Chloride [mg/L]	30-Aug-04	17:01	0.2	0.029	15	14	14
Fluoride [mg/L]	26-Aug-04	09:56	0.06	0.06	0.46	0.46	0.43
Nitrite (as nitrogen) [mg/L]	24-Aug-04	12:30	0.5	0.005	< 0.5	< 0.5	< 0.5
Nitrate (as nitrogen) [mg/L]	24-Aug-04	12:30	0.5	0.013	< 0.5	0.7	< 0.5
Nitrate + Nitrite (as nitrogen) [mg/L]	24-Aug-04	12:30	0.5	0.013	< 0.5	0.7	< 0.5
Sulphate [mg/L]	30-Aug-04	17:01	0.5	0.058	910	870	780
Mercury [mg/L]	27-Aug-04	10:18	0.0001	0.000002	< 0.0001	< 0.0001	< 0.0001
Silver [mg/L]	26-Aug-04	15:03	0.0001	0.00001	< 0.0001	< 0.0001	< 0.0001
Aluminum [mg/L]	26-Aug-04	08:25	0.01	0.002	< 0.01	0.01	< 0.01
Arsenic [mg/L]	26-Aug-04	11:29	0.005	0.002	0.014	0.012	0.009
Barium [mg/L]	26-Aug-04	11:29	0.002	0.002	0.028	0.029	0.027
Beryllium [mg/L]	26-Aug-04	11:29	0.005	0.001	< 0.001	< 0.001	< 0.001
Boron [mg/L]	26-Aug-04	08:25	0.01	0.008	0.39	0.40	0.39
Bismuth [mg/L]	26-Aug-04	11:29	0.0003	0.0003	< 0.0003	< 0.0003	< 0.0003
Calcium [mg/L]	26-Aug-04	08:25	0.5	0.01	275	272	252
Cadmium [mg/L]	26-Aug-04	11:29	0.0005	0.0001	< 0.0001	< 0.0001	< 0.0001
Cobalt [mg/L]	26-Aug-04	11:29	0.0003	0.0003	0.0052	0.0053	0.0050
Chromium [mg/L]	26-Aug-04	11:29	0.004	0.003	0.004	0.004	0.003
Copper [mg/L]	26-Aug-04	11:29	0.001	0.0001	0.002	0.003	0.003
Iron [mg/L]	26-Aug-04	08:25	0.02	0.0004	< 0.02	0.02	< 0.02
Gallium [mg/L]	26-Aug-04	08:25	0.02	0.02	< 0.02	< 0.02	< 0.02
Lithium [mg/L]	26-Aug-04	08:25	0.05	0.002	< 0.05	< 0.05	< 0.05
Potassium [mg/L]	26-Aug-04	08:25	1	0.004	32.4	32.7	30.6
Magnesium [mg/L]	26-Aug-04	08:25	0.5	0.0004	40.7	40.2	37.4

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SGS Lakefield Research Limited
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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

LR Report : CA10431-JUL04

Analysis	1: *Approved Date	2: *Approved Time	3: PQL	10: MDL	4: Sample 1-1	5: Sample 1-2	6: Sample 1-3
Manganese [mg/L]	26-Aug-04	08:25	0.01	0.0006	0.444	0.434	0.443
Molybdenum [mg/L]	26-Aug-04	11:30	0.007	0.001	0.0349	0.0336	0.0292
Sodium [mg/L]	26-Aug-04	08:26	0.5	0.002	28.8	27.9	26.2
Nickel [mg/L]	26-Aug-04	11:30	0.001	0.0002	0.012	0.012	0.013
Phosphorus [mg/L]	26-Aug-04	08:26	0.1	0.02	< 0.1	< 0.1	< 0.1
Lead [mg/L]	26-Aug-04	11:30	0.0002	0.0001	0.0004	0.0015	0.0002
Antimony [mg/L]	26-Aug-04	08:26	0.05	0.006	0.031	0.036	0.033
Scandium [mg/L]	26-Aug-04	08:26	0.01	0.01	< 0.01	< 0.01	< 0.01
Selenium [mg/L]	26-Aug-04	11:30	0.005	0.0014	0.0071	0.0038	0.0040
Tin [mg/L]	26-Aug-04	11:30	0.001	0.001	< 0.001	< 0.001	< 0.001
Strontium [mg/L]	26-Aug-04	08:26	0.003	0.0006	0.794	0.799	0.755
Titanium [mg/L]	26-Aug-04	08:26	0.005	0.0003	< 0.005	< 0.005	< 0.005
Thallium [mg/L]	26-Aug-04	11:30	0.0002	0.00001	< 0.0002	< 0.0002	< 0.0002
Vanadium [mg/L]	26-Aug-04	08:26	0.002	0.0003	0.002	< 0.002	< 0.002
Zinc [mg/L]	26-Aug-04	08:26	0.01	0.0005	< 0.01	< 0.01	< 0.01

Some elements reported down to instrument MDL in order to reach client requested limit.

Brian Graham B.Sc.
Project Coordinator
Environmental Services, Analytical

OnLine LIMS

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Meteoric Water Mobility Procedure - Profile II Analysis

SGS Environmental - Anchorage
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Fax:907-561-5301

Wednesday, September 22, 2004

Date Rec. : 26 July 2004
LR Report: **CA10431-JUL04**

Copy: #4

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	7: Sample 2-1	8: Sample 2-2	9: Sample 2-3	11: Env Blank	12: Env Replicate	13: Env Standard
Sample Date & Time	22-Jul-04 11:30	22-Jul-04 11:30	22-Jul-04 11:30			
Moisture [%]	21.7	21.0	19.5	---	---	---
Sample [weight(g)]	550	550	550	---	---	---
Volume mL [D.I. H2O]	431	435	443	---	---	---
InitialpH [units]	8.09	8.16	7.99	---	---	---
Final pH [units]	7.37	7.41	7.30	---	---	---
pH [no unit]	7.82	7.87	7.86	---	---	---
Alkalinity [mg/L as CaCO3]	46	81	87	< 1	99%	102.8%
Bicarbonate [mg/L]	46	81	87	---	---	---
Solids (Total Dissolved) [mg/L]	286	1660	2680	< 30	95%	---
Cyanide WAD [mg/L]	< 0.005	< 0.005	< 0.005	< 0.005	100%	96%
Chloride [mg/L]	14	17	16	< 0.2	100%	95%
Fluoride [mg/L]	0.20	0.40	0.44	< 0.06	104%	99.5%
Nitrite (as nitrogen) [mg/L]	< 0.5	< 0.5	< 0.5	< 0.06	100%	98%
Nitrate (as nitrogen) [mg/L]	< 0.5	< 0.5	< 0.5	< 0.05	100%	102%
Nitrate + Nitrite (as nitrogen) [mg/L]	< 0.5	< 0.5	< 0.5	---	---	---
Sulphate [mg/L]	150	1000	1600	< 0.5	---	100%
Mercury [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	103%
Silver [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	101%
Aluminum [mg/L]	0.01	< 0.01	< 0.01	< 0.01	---	102%
Arsenic [mg/L]	< 0.005	0.012	0.011	< 0.005	---	94%
Barium [mg/L]	0.043	0.032	0.034	< 0.001	---	100%
Beryllium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	---	98%
Boron [mg/L]	0.04	0.36	0.39	< 0.01	---	98%
Bismuth [mg/L]	< 0.0003	< 0.0003	< 0.0003	< 0.0003	---	106%
Calcium [mg/L]	57.6	336	550	< 0.05	---	103%
Cadmium [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001	---	97%
Cobalt [mg/L]	0.0007	0.0096	0.0194	< 0.0003	---	99%
Chromium [mg/L]	< 0.003	0.003	0.004	< 0.003	---	102%
Copper [mg/L]	0.008	0.004	0.008	< 0.0008	---	98%
Iron [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	---	96%
Gallium [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	---	95%
Lithium [mg/L]	< 0.05	< 0.05	0.067	< 0.05	---	102%
Potassium [mg/L]	11.7	37.8	45.7	< 0.02	---	95%
Magnesium [mg/L]	6.49	46.1	66.5	< 0.005	---	103%

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SGS Lakefield Research Limited
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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

Meteoric Water Mobility Procedure - Profile II Analysis

LR Report : **CA10431-JUL04**

Analysis	7: Sample 2-1	8: Sample 2-2	9: Sample 2-3	11: Env Blank	12: Env Replicate	13: Env Standard
Manganese [mg/L]	0.380	0.666	1.06	< 0.002	---	105%
Molybdenum [mg/L]	0.0176	0.0348	0.0412	< 0.0003	---	---
Sodium [mg/L]	2.95	28.1	31.2	< 0.05	---	101%
Nickel [mg/L]	< 0.001	0.015	0.027	< 0.001	---	105%
Phosphorus [mg/L]	< 0.1	< 0.1	< 0.1	< 0.1	---	105%
Lead [mg/L]	0.0003	0.0013	< 0.0002	< 0.0002	---	102%
Antimony [mg/L]	0.006	0.037	0.038	< 0.006	---	98%
Scandium [mg/L]	< 0.01	< 0.01	< 0.01	< 0.01	---	91%
Selenium [mg/L]	0.0020	0.0091	0.0122	< 0.0014	---	91%
Tin [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	---	---
Strontium [mg/L]	0.132	0.807	1.15	< 0.0001	---	98%
Titanium [mg/L]	< 0.005	< 0.005	< 0.005	< 0.005	---	97%
Thallium [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	101%
Vanadium [mg/L]	< 0.002	0.003	0.006	< 0.002	---	102%
Zinc [mg/L]	< 0.01	< 0.01	< 0.01	< 0.01	---	105%

Some elements reported down to instrument MDL in order to reach client requested limit.

Brian Graham B.Sc.
Project Coordinator
Environmental Services, Analytical

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Fax:907-561-5301

Wednesday, September 22, 2004

Date Rec. : 26 July 2004
LR Report: **CA10432-JUL04**

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: *Approved Date	2: *Approved Time	3: Sample 1-1	4: Sample 1-2	5: Sample 1-3	6: Sample 2-1	7: Sample 2-2	8: Sample 2-3	9: Sample 2-2
Sample Date & Time			22-Jul-04 11:30	22-Jul-04 11:30	22-Jul-04 11:30	22-Jul-04 11:30	22-Jul-04 11:30	22-Jul-04 11:30	
Paste pH [units]	18-Aug-04	08:28	8.56	8.64	8.67	8.61	8.61	8.48	8.61
Fizz Rate [---]	18-Aug-04	08:28	4	4	4	4	4	4	4
Sample [weight(g)]	18-Aug-04	08:28	2.02	2.01	2.01	2.02	2.01	2.00	2.01
HCl added [mL]	18-Aug-04	08:28	222.10	221.00	226.30	219.00	269.30	269.20	267.0
HCl [Normality]	18-Aug-04	08:28	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	18-Aug-04	08:28	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	18-Aug-04	08:28	66.20	68.00	70.20	67.70	85.50	67.90	62.40
Final pH [units]	18-Aug-04	08:28	1.68	1.64	1.64	1.63	1.53	1.69	1.66
NP [t CaCO3/1000t]	18-Aug-04	08:28	386	381	388	375	457	503	509
AP [t CaCO3/1000 t]	18-Aug-04	10:24	2.5	2.5	2.2	1.6	1.2	2.8	---
Net NP [t CaCO3/1000 t]	18-Aug-04	08:28	384	378	386	373	456	500	---
NP/AP [ratio]	18-Aug-04	08:28	154	152	176	234	381	180	---
S [%]	17-Aug-04	14:01	0.53	0.56	0.54	0.45	0.45	0.56	---
S= [%]	17-Aug-04	14:01	0.08	0.08	0.07	0.05	0.04	0.09	---
SO4 [%]	17-Aug-04	14:01	1.36	1.45	1.42	1.19	1.23	1.43	---
C(t) [%]	17-Aug-04	14:01	4.54	4.45	4.55	4.34	4.45	4.51	---
CO3 [%]	17-Aug-04	14:02	17.6	17.1	17.7	17.6	17.8	17.9	---

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P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2038 FAX: 705-652-6441

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes $CaCO_3$ equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.01 will be calculated using a 0.01 value.

This method of analysis of S=, SO_4 and CO_3 is intended for use solely for Acid Rock Drainage samples. The assumptions are as folllows:
1) the S measured in the ash represents SO_4
2) the difference between S(t) and S Ash represents S= (See potential interferences below)
3) the C in the ash represents CO_3 (chiefly $CaCO_3$ and $MgCO_3$, the two carbonate compounds that contribute to Neutralizing potential (See potential interferences below)

POTENTIAL INTERFERENCES:
1) the presence of elemental sulfur will be a positive interference since it will roast off at 550 C and will be calculated as S=
2) the presence of graphitic carbon will be a positive interference since it will remain in the ash and be calculated as CO_3

Brian Graham B.Sc.
Project Coordinator
Environmental Services, Analytical

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Appendix D

Dry Stack Tailings

Golder Associates Inc.
1750 Abbott Road, Suite 200
Anchorage, AK USA 99507
Telephone: (907) 344-6001
Fax: (907) 344-6011

September 7, 2004 Our Ref.: 033-5632x001

Mystery Creek Resources, Inc.
2221 East Street, Suite 200
Golden, Colorado 80401

Attention: Mr. Henry Bogert

RE: RESULTS OF DRY STACK TAILINGS GEOTECHNICAL EVALUATION NIXON FORK MINE, MCGRATH, ALASKA

Dear Henry:

Golder Associates Inc. (Golder) is please to present the results of our geotechnical testing and analyses to determine the optimum conditions for stacking the tailings at the Nixon Fork Mine near McGrath, Alaska. The results of the environmental testing are still being reviewed and will be forthcoming in another letter.

The geotechnical testing was performed on bulk samples of the mine tailings we received from you in two 5-gallon buckets on July 21, 2004. The testing was performed at our geotechnical laboratory in Denver, Colorado.

Geotechnical Laboratory Testing

The geotechnical laboratory tests performed on the mine tailing samples included the following methods:

- Modified Proctor (ASTM D 1557, Method D)
- Grain Size Analysis (ASTM D 422)
- Consolidated Drained Direct Shear Strength (ASTM D 3080)

After the two buckets were received at our Denver lab, the samples were mixed and a modified Proctor and grain size analysis were performed on representative samples. Direct shear testing was then performed on samples at 3 different moisture contents at a dry density corresponding to 85% of the maximum dry density determined from the modified Proctor. The moisture contents included 14% (optimum moisture content from modified Proctor), 10%, and 5%. A summary of the laboratory test results is shown in the attached Table 1. The modified Proctor curve, grain size distribution, and direct shear test data are also attached.

Recommended Dry Stack Conditions

A plot of the shear strength versus stack height for the three moisture contents is shown in Figure 1. Based on this data, we recommend using a moisture content of 14% or less for the dry stack tailings and a friction angle of 35°. We expect the moisture content could be increased up to 16% without losing much strength, but increasing the moisture content any higher should be verified through testing. We recommend that some compactive effort be given while stacking the tailings, such as several passes with a D8 dozer or equivalent.

A permeability of about $1x10^{-6}$ cm/sec was estimated from the grain size distribution using equations developed by Hazen and Kozeny & Carmen. Therefore, we expect that surface water will be slow to seep into the tailings and will likely run off with very little infiltration if the stack is sloped to drain.

Please contact us if you have any questions or comments.

Sincerely,

GOLDER ASSOCIATES INC.

Steven L. Anderson, P.E.
Senior Project Engineer

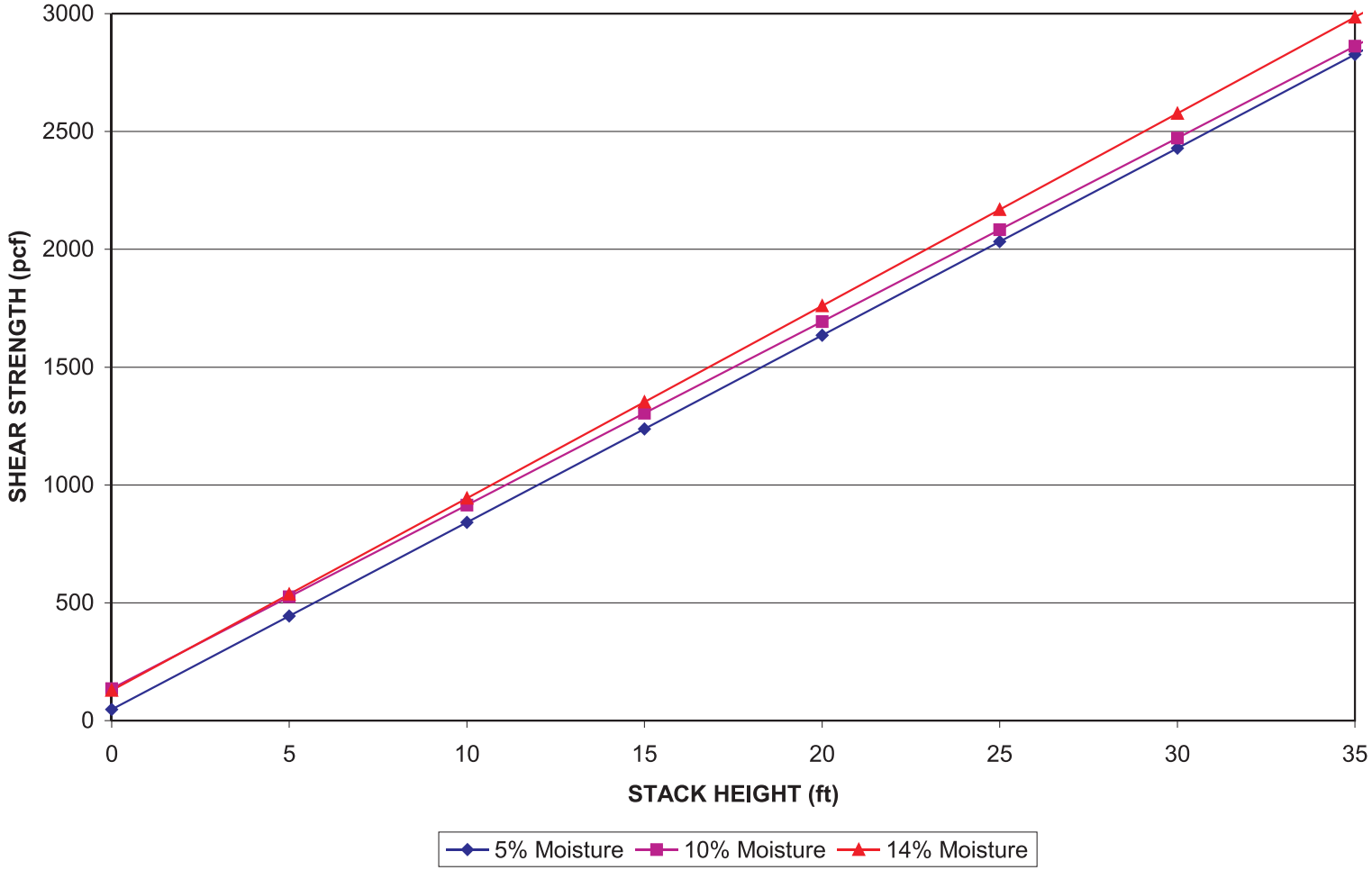
Thomas L. Krzewinski, P.E.
Senior Geotechnical Engineering Consultant and Principal

SLA/TLK/lm

Attachments: Table 1 – Summary of Laboratory Testing
Figure 1 – Shear Strength vs. Stack Height
Modified Proctor Curve
Grain Size Distribution
Direct Shear Test Data

Table 1
Summary of Laboratory Testing

Modified Proctor		Grain Size Analysis				Consolidated Drained Direct Shear							
								Failure			Large Displacement		
Maximum Dry Density (pcf)	Optimum Moisture Content (%)	Gravel (+ # 4) (%)	Sand (#4 to #200) (%)	Fines (- #200) (%)	Clay Fraction <0.005 mm (%)	Moisture Content (%)	Dry Density (psf)	Strain (%)	Friction Angle f (degrees)	Cohesion c (psf)	Strain (%)	Friction Angle f (degrees)	Cohesion c (psf)
117	14	0	6.7	93.4	14.7	5	100	15	37.1	47	23.6	36.6	85
						10	100	15	35.3	136	23.4	36.8	132
						14	100	15	35.6	128	23.4	33.7	311



NOTE: PLOT ASSUMES A DRY DENSITY OF 100 PCF.

PROJECT

MYSTERY CREEK RESOURCES, INC.
NIXON FORK MINE DRY STACK TAILINGS
NEAR McGRATH, ALASKA

TITLE

SHEAR STRENGTH VS. STACK HEIGHT

Golder Associates
Anchorage, Alaska

PROJECT NO. 033-5632x001			DWG NAME	TAILSHEAR.CDR
DESIGN			SCALE N/A	REV. 0
CDRD	SLA	09/01/04		
CHECK	SLA	09/03/04		
REVIEW	TLK	09/07/04		

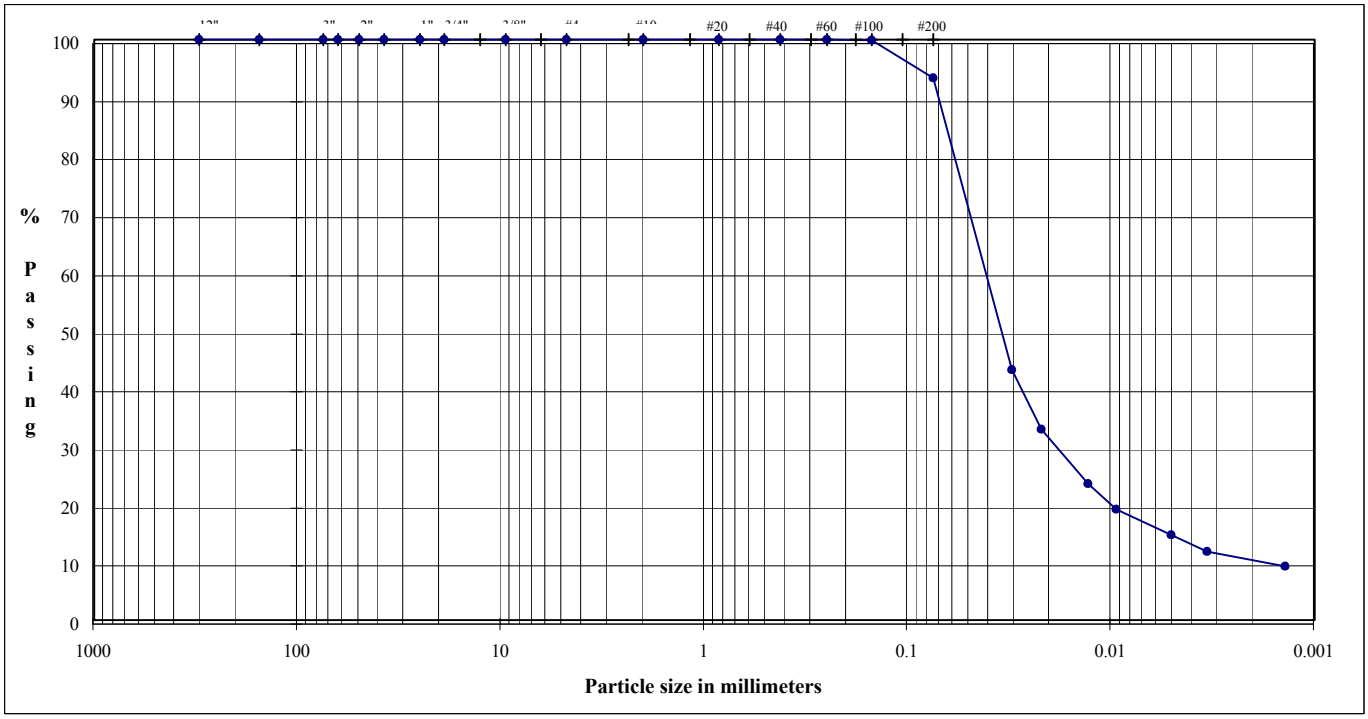
Figure 1

July-04 033-5632.007

PARTICLE SIZE DISTRIBUTION & ATTERBERG LIMITS

ASTM D421, D422, D4318

PROJECT NAME: **Mystery Creek/Nixon Fork Mine Dam Tailings/AK**
SAMPLE ID: **Mine Tails** Depth (ft): **-**
TYPE: **BULK**



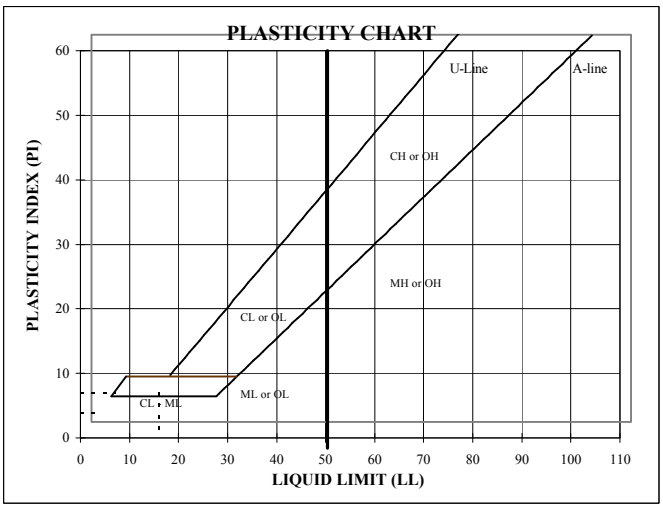
COBBLES	GRAVEL		SAND			FINES
	Coarse	Fine	Coarse	Medium	Fine	Silt or Clay

U.S. Standard Sieves Sizes and Numbers

	Particle Size (mm)	% Passing	Particle Size Classification	Percentage
12.0"	304.8	**100.0**		
6.0"	154.2	**100.0**	Cobbles	**0.00**
3.0"	75.0	**100.0**		
2.5"	63.5	**100.0**		
2.0"	50.0	**100.0**		
1.5"	37.5	**100.0**		
1.0"	25.0	**100.0**	Coarse Gravel	**0.00**
0.75"	19.0	**100.0**		
0.375"	9.5	**100.0**		
#4	4.8	**100.0**	Fine Gravel	**0.00**
#10	2.00	**100.0**	Coarse Sand	**0.00**
#20	0.85	**100.0**		
#40	0.43	**100.0**	Medium Sand	**0.00**
#60	0.25	**100.0**		
#100	0.15	**99.9**		
#200	0.075	**93.4**	Fine Sand	**6.65**

Hydrometer Analysis

(mm)	%Finer		
0.031	**43.1**		
0.022	**32.9**		
0.013	**23.5**	Fines	
0.0095	**19.1**	Silt or Clay	**93.35**
0.0051	**14.7**		
0.0034	**11.8**		
0.0014	**9.3**		



ATTERBERG LIMITS

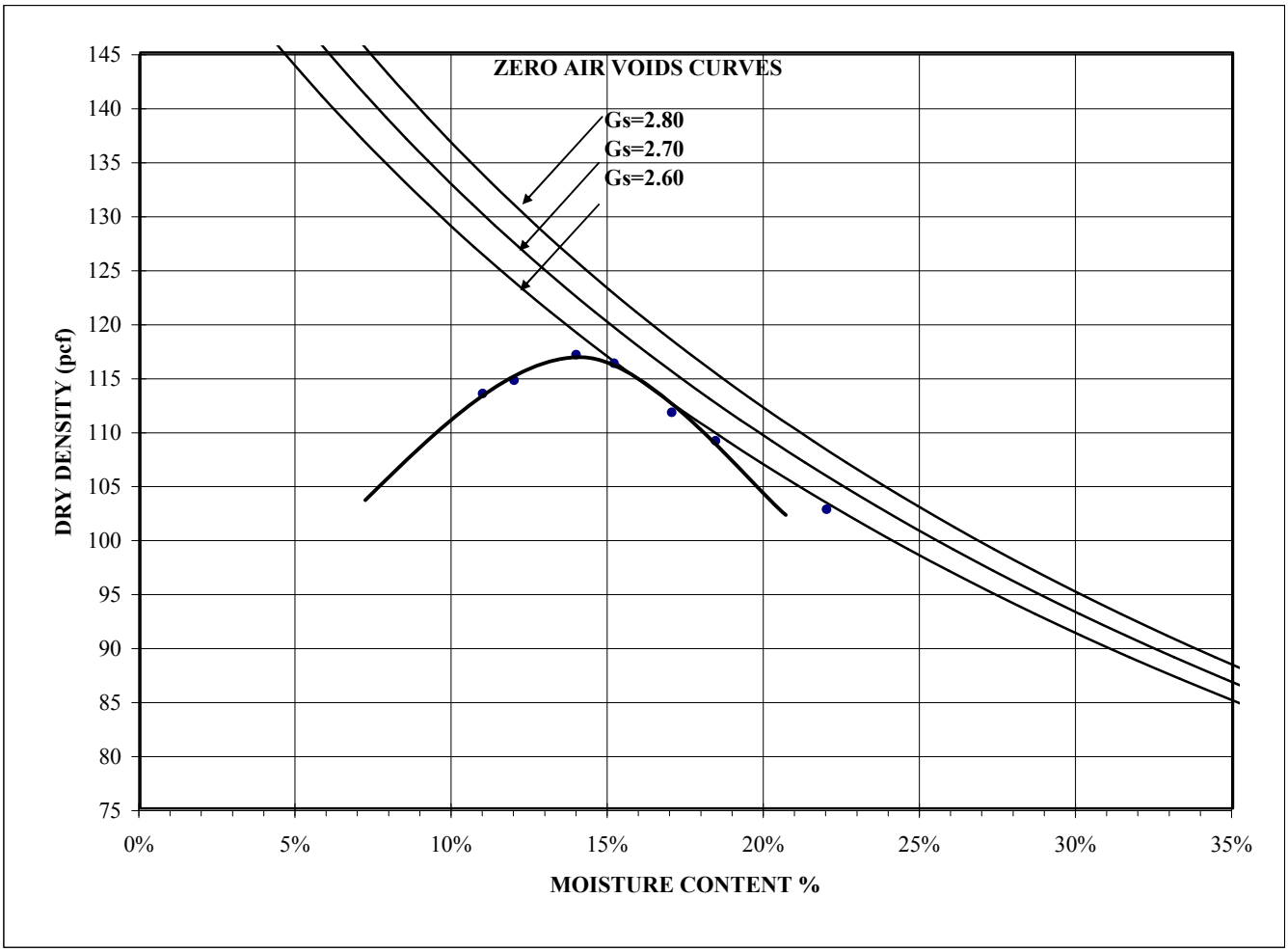
M_c	LL	PL	PI	SpG (assumed)
22.6	--	--	--	**2.65**

DESCRIPTION: Light olive gray

USCS: --

TECH	NG
DATE	7/27/2004
REVIEW	MB

MOISTURE / DRY DENSITY CURVE
D 1557 METHOD A



MAXIMUM DRY DENSITY (pcf)	117.0	
OPTIMUM MOISTURE (%)	14.0	NO CORRECTION REQUIRED

SAMPLE ID	Mine Tails
SAMPLE TYPE	BULK
SAMPLE DEPTH	-

LL	--
PL	--
PI	--
MC	22.6

DESCRIPTION	Light olive gray
USCS	--

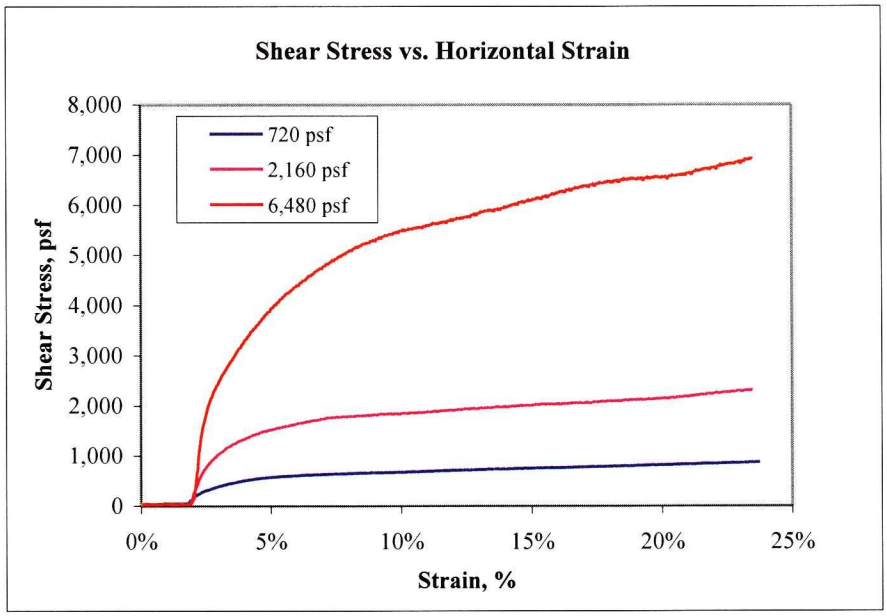
Mystery Creek/Nixon Fork Mine Dam Tailings/AK
033-5632.007

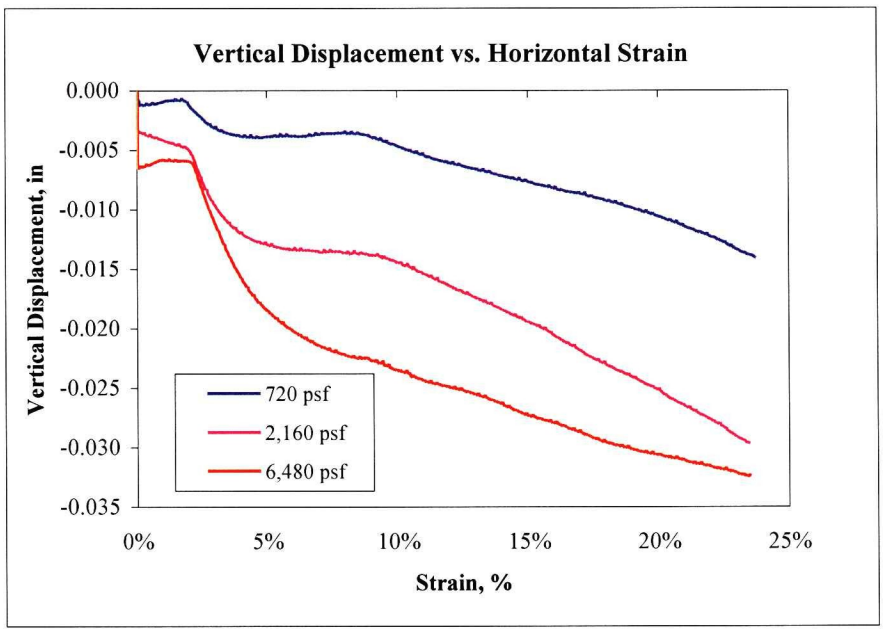
TECH	DT
DATE	7-28-04
REVIEW	MB

Sample # =	Mine Tails		Sample # =	Mine Tails		Sample # =	Mine Tails	
Point #	1		Point #	2		Point #	3	
Load =	5.0	psi	Load =	15.0	psi	Load =	45.0	psi
	Initial			**Initial**			**Initial**	
Height =	3.410	cm	Height =	3.410	cm	Height =	3.410	cm
Diameter =	6.351	cm	Diameter =	6.351	cm	Diameter =	6.351	cm
Wet Weight =	181.80	g	Wet Weight =	181.80	g	Wet Weight =	181.80	g
Area =	31.7	cm^2	Area =	31.7	cm^2	Area =	31.7	cm^2
Sample Area =	4.91	in^2	Sample Area =	4.91	in^2	Sample Area =	4.91	in^2
Sample Area =	0.03	ft^2	Sample Area =	0.03	ft^2	Sample Area =	0.03	ft^2
Volume =	108.0	cm^3	Volume =	108.0	cm^3	Volume =	108.0	cm^3
Moisture Content =	5.0%		Moisture Content =	5.0%		Moisture Content =	5.0%	
Specific Gravity =			Specific Gravity =			Specific Gravity =		
Dry Weight of Solids =	173.14	g	Dry Weight of Solids =	173.14	g	Dry Weight of Solids =	173.14	g
Wet Density =	1.68	g/cm^3	Wet Density =	1.68	g/cm^3	Wet Density =	1.68	g/cm^3
Dry Density =	1.60	g/cm^3	Dry Density =	1.60	g/cm^3	Dry Density =	1.60	g/cm^3
Wet Density =	105.0	pcf	Wet Density =	105.0	pcf	Wet Density =	105.0	pcf
Dry Density =	100.0	pcf	Dry Density =	100.0	pcf	Dry Density =	100.0	pcf
Initial Normal Stress =	720	psf	Initial Normal Stress =	2,160	psf	Initial Normal Stress =	6,480	psf
Failure Normal Stress =	889	psf	Failure Normal Stress =	2,667	psf	Failure Normal Stress =	8,001	psf
Failure Shear Stress =	758	psf	Failure Shear Stress =	2,012	psf	Failure Shear Stress =	6,112	psf
Failure Strain =	15.0%		Failure Strain =	15.0%		Failure Strain =	15.0%	
Normal Stress at Large Disp. =	1,027	psf	Normal Stress at Large Disp. =	3,068	psf	Normal Stress at Large Disp. =	9,208	psf
Large-Disp. Shear Stress =	882	psf	Large-Disp. Shear Stress =	2,315	psf	Large-Disp. Shear Stress =	6,927	psf
Strain at Large Disp.=	23.7%		Strain at Large Disp.=	23.5%		Strain at Large Disp.=	23.5%	

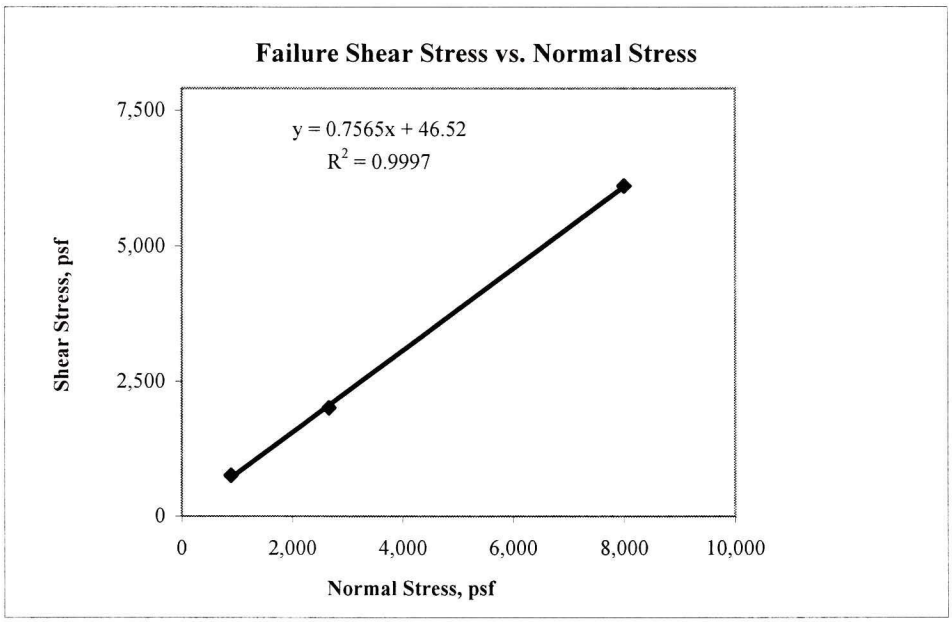
Note:
1. Sample remolded to 85% of maximum dry density (118 pcf) and 5% moisture content.
2. Failure defined at 15% strain.
3. Light olive gray silt.

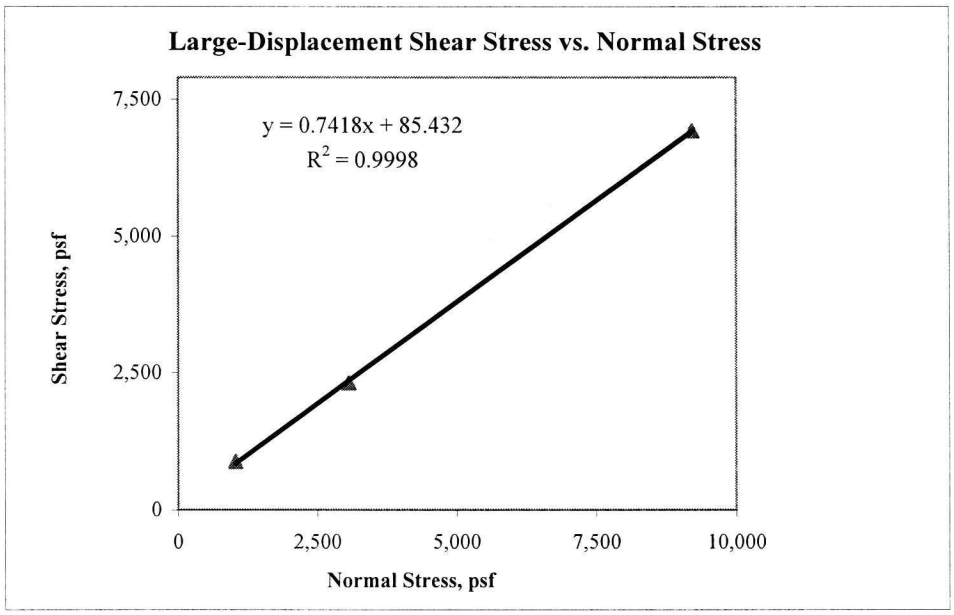
Golder Associates, Inc. **Denver, Colorado**	**Title:** **DIRECT SHEAR TEST REPORT** **SAMPLE DATA AND CALCULATIONS**			
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK				
Sample Number: **Mine Tails**	**Reviewed:** JEO	**Date:** 8/6/2004	**Job Number:** 033-5632.007	**Figure:** 1





Golder Associates, Inc. Denver, Colorado				Title: STRESS AND VERTICAL DISPLACEMENT VS. STRAIN
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK				
Sample Number: Mine Tails	Reviewed: JEO	Date: 08/06/04	Job Number: 033-5632.007	Figure: 2





	Failure		Large-Displacement
ϕ =	37.1 degrees	ϕ =	36.6 degrees
c =	47 psf	c =	85 psf

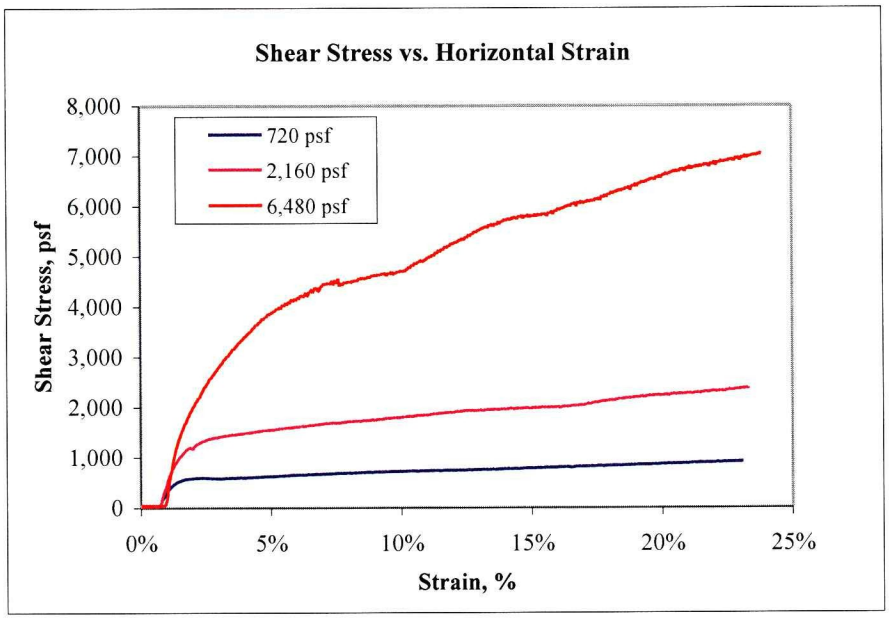
Golder Associates, Inc. **Denver, Colorado**	**Title:** **DIRECT SHEAR TESTING** **FAILURE ENVELOPES**
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK	

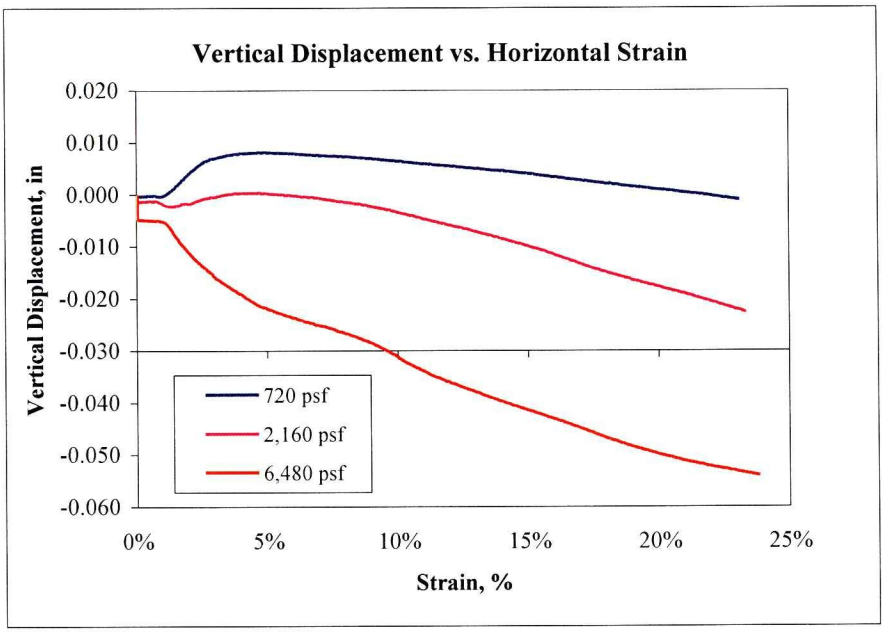
Sample Number:	Reviewed:	Date:	Job Number:	Figure:
Mine Tails	JEO	08/06/04	033-5632.007	3

Sample # =	Mine Tails		Sample # =	Mine Tails		Sample # =	Mine Tails	
Point #	1		Point #	2		Point #	3	
Load =	5.0	psi	Load =	15.0	psi	Load =	45.0	psi
	Initial			**Initial**			**Initial**	
Height =	3.410	cm	Height =	3.410	cm	Height =	3.410	cm
Diameter =	6.351	cm	Diameter =	6.351	cm	Diameter =	6.351	cm
Wet Weight =	190.40	g	Wet Weight =	190.40	g	Wet Weight =	190.40	g
Area =	31.7	cm^2	Area =	31.7	cm^2	Area =	31.7	cm^2
Sample Area =	4.91	in^2	Sample Area =	4.91	in^2	Sample Area =	4.91	in^2
Sample Area =	0.03	ft^2	Sample Area =	0.03	ft^2	Sample Area =	0.03	ft^2
Volume =	108.0	cm^3	Volume =	108.0	cm^3	Volume =	108.0	cm^3
Moisture Content =	10.0%		Moisture Content =	10.0%		Moisture Content =	10.0%	
Specific Gravity =			Specific Gravity =			Specific Gravity =		
Dry Weight of Solids =	173.09	g	Dry Weight of Solids =	173.09	g	Dry Weight of Solids =	173.09	g
Wet Density =	1.76	g/cm^3	Wet Density =	1.76	g/cm^3	Wet Density =	1.76	g/cm^3
Dry Density =	1.60	g/cm^3	Dry Density =	1.60	g/cm^3	Dry Density =	1.60	g/cm^3
Wet Density =	110.0	pcf	Wet Density =	110.0	pcf	Wet Density =	110.0	pcf
Dry Density =	100.0	pcf	Dry Density =	100.0	pcf	Dry Density =	100.0	pcf
Initial Normal Stress =	720	psf	Initial Normal Stress =	2,160	psf	Initial Normal Stress =	6,480	psf
Failure Normal Stress =	889	psf	Failure Normal Stress =	2,668	psf	Failure Normal Stress =	8,001	psf
Failure Shear Stress =	792	psf	Failure Shear Stress =	1,986	psf	Failure Shear Stress =	5,803	psf
Failure Strain =	15.0%		Failure Strain =	15.0%		Failure Strain =	15.0%	
Normal Stress at Large Disp. =	1,016	psf	Normal Stress at Large Disp. =	3,059	psf	Normal Stress at Large Disp. =	9,260	psf
Large-Disp. Shear Stress =	923	psf	Large-Disp. Shear Stress =	2,378	psf	Large-Disp. Shear Stress =	7,067	psf
Strain at Large Disp.=	23.1%		Strain at Large Disp.=	23.3%		Strain at Large Disp.=	23.8%	

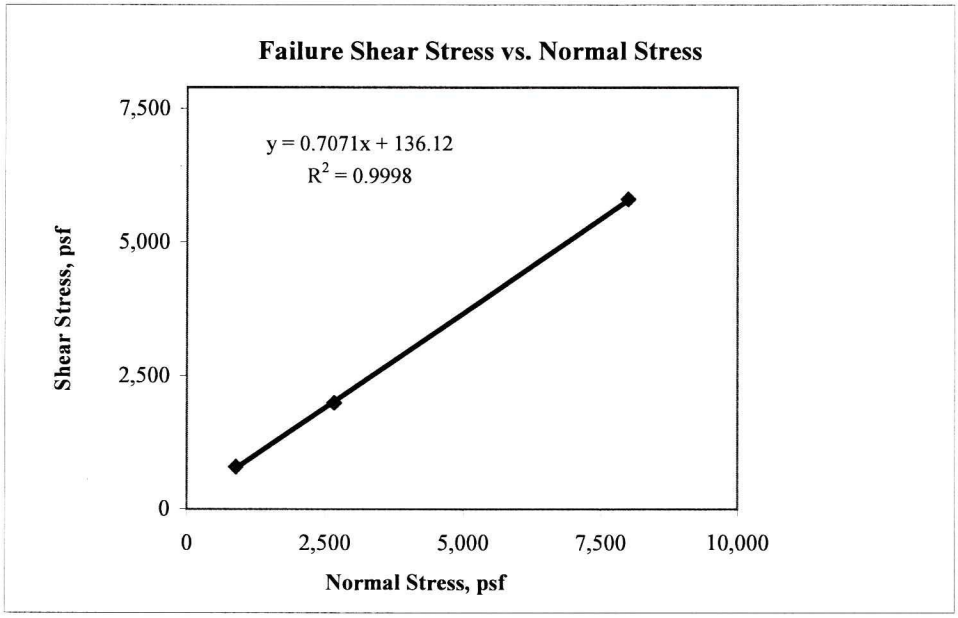
Note:
1. Sample remolded to 85% of maximum dry density (118 pcf) and 10% moisture content
2. Light olive gray silt
3. Failure is defined at 15% strain

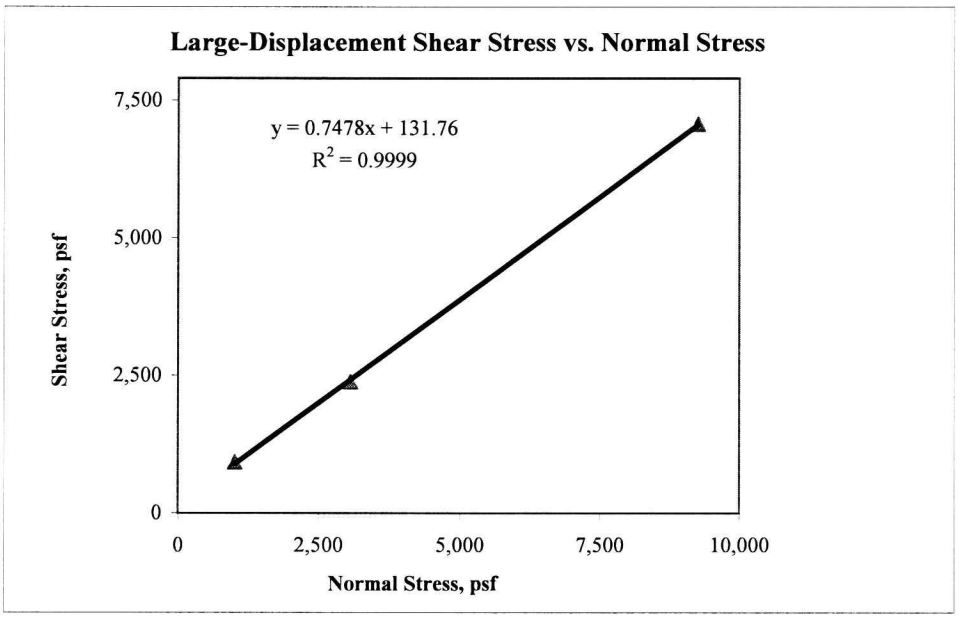
Golder Associates, Inc. **Denver, Colorado**	**Title:** **DIRECT SHEAR TEST REPORT** **SAMPLE DATA AND CALCULATIONS**				
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK					
Sample Number: **Mine Tails**	**Reviewed:** JEO	**Date:** 8/6/2004	**Job Number:** 033-5632.007	**Figure:** 1	





Golder Associates, Inc. Denver, Colorado				Title: STRESS AND VERTICAL DISPLACEMENT VS. STRAIN
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK				
Sample Number: Mine Tails	Reviewed: JEO	Date: 08/06/04	Job Number: 033-5632.007	Figure: 2





	Failure		Large-Displacement
ϕ =	35.3 degrees	ϕ =	36.8 degrees
c =	136 psf	c =	132 psf

Golder Associates, Inc. **Denver, Colorado**	**Title:** **DIRECT SHEAR TESTING** **FAILURE ENVELOPES**
Job Short Title: **Mystery Creek/NIX Mine Damtailings/AK**	

Sample Number:	Reviewed:	Date:	Job Number:	Figure:
Mine Tails	JEO	08/06/04	033-5632.007	3

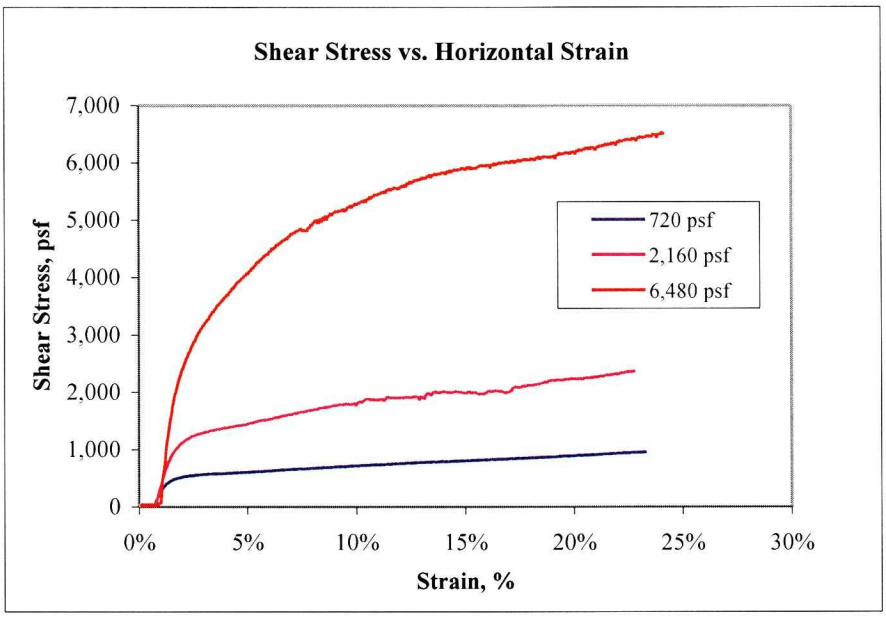
Sample # =	Mine Tails	
Point #	1	
Load =	5.0	psi
	Initial	
Height =	3.410	cm
Diameter =	6.351	cm
Wet Weight =	197.40	g
Area =	31.7	cm^2
Sample Area =	4.91	in^2
Sample Area =	0.03	ft^2
Volume =	108.0	cm^3
Moisture Content =	14.0%	
Specific Gravity =		
Dry Weight of Solids =	173.16	g
Wet Density =	1.83	g/cm^3
Dry Density =	1.60	g/cm^3
Wet Density =	114.0	pcf
Dry Density =	100.0	pcf
Initial Normal Stress =	720	psf
Failure Normal Stress =	889	psf
Failure Shear Stress =	805	psf
Failure Strain =	15.0%	
Normal Stress at Large Disp. =	1,019	psf
Large-Disp. Shear Stress =	959	psf
Strain at Large Disp.=	23.3%	

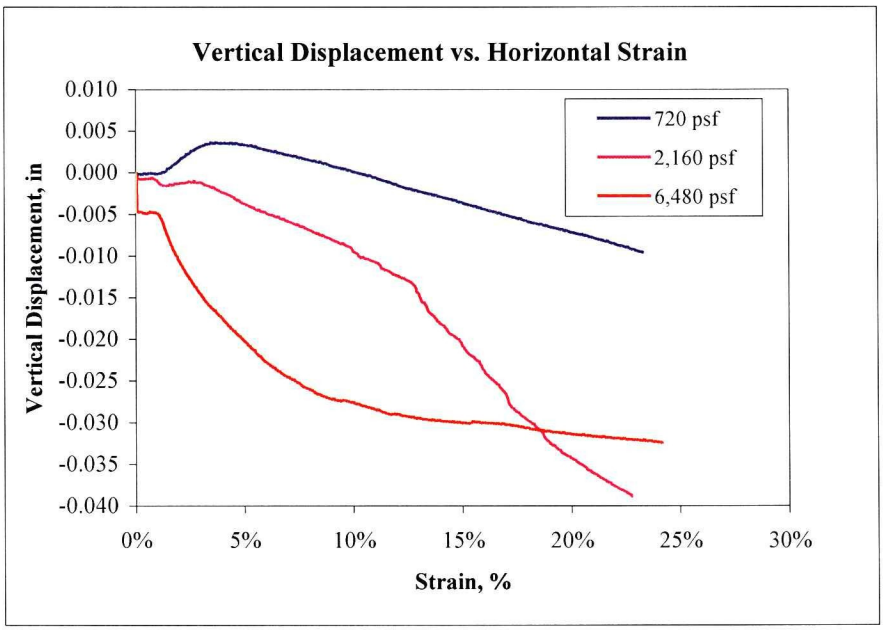
Sample # =	Mine Tails	
Point #	2	
Load =	15.0	psi
	Initial	
Height =	3.410	cm
Diameter =	6.351	cm
Wet Weight =	197.40	g
Area =	31.7	cm^2
Sample Area =	4.91	in^2
Sample Area =	0.03	ft^2
Volume =	108.0	cm^3
Moisture Content =	14.0%	
Specific Gravity =		
Dry Weight of Solids =	173.16	g
Wet Density =	1.83	g/cm^3
Dry Density =	1.60	g/cm^3
Wet Density =	114.0	pcf
Dry Density =	100.0	pcf
Initial Normal Stress =	2,160	psf
Failure Normal Stress =	2,668	psf
Failure Shear Stress =	1,982	psf
Failure Strain =	15.0%	
Normal Stress at Large Disp. =	3,029	psf
Large-Disp. Shear Stress =	2,371	psf
Strain at Large Disp.=	22.7%	

Sample # =	Mine Tails	
Point #	3	
Load =	45.0	psi
	Initial	
Height =	3.410	cm
Diameter =	6.351	cm
Wet Weight =	197.40	g
Area =	31.7	cm^2
Sample Area =	4.91	in^2
Sample Area =	0.03	ft^2
Volume =	108.0	cm^3
Moisture Content =	14.0%	
Specific Gravity =		
Dry Weight of Solids =	173.16	g
Wet Density =	1.83	g/cm^3
Dry Density =	1.60	g/cm^3
Wet Density =	114.0	pcf
Dry Density =	100.0	pcf
Initial Normal Stress =	6,480	psf
Failure Normal Stress =	8,002	psf
Failure Shear Stress =	5,866	psf
Failure Strain =	15.0%	
Normal Stress at Large Disp. =	9,313	psf
Large-Disp. Shear Stress =	6,508	psf
Strain at Large Disp.=	24.1%	

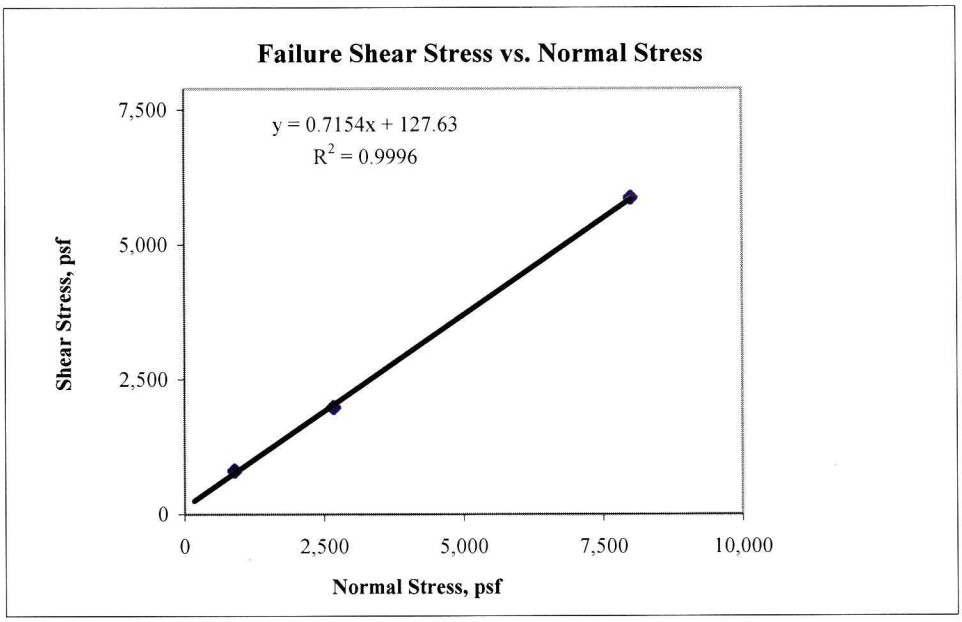
Note:
1. Sample remolded to 85% of maximum dry density (118 pcf) and 14% moisture content
2. Failure defined at 15% strain
3. Light olive gray silt

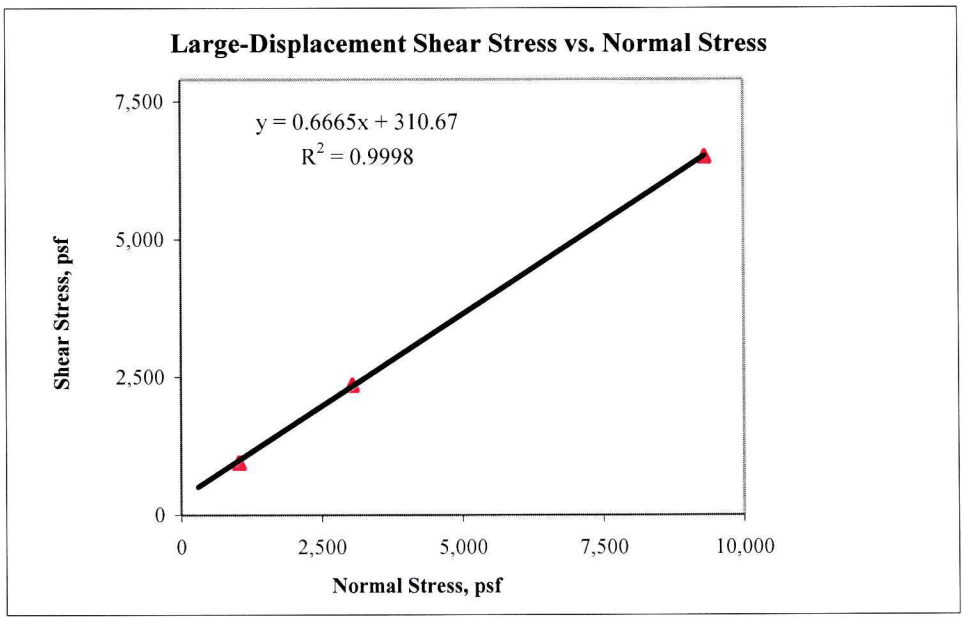
Golder Associates, Inc. **Denver, Colorado**	**Title:** **DIRECT SHEAR TEST REPORT** **SAMPLE DATA AND CALCULATIONS**				
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK					
Sample Number: **Mine Tails**		**Reviewed:** JEO	**Date:** 8/6/2004	**Job Number:** 033-5632.007	**Figure:** 1





Golder Associates, Inc. Denver, Colorado				Title: STRESS AND VERTICAL DISPLACEMENT VS. STRAIN
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK				
Sample Number: Mine Tails	Reviewed: JEO	Date: 08/06/04	Job Number: 033-5632.007	Figure: 2





	Failure		Large-Displacement
ϕ =	35.6 degrees	ϕ =	33.7 degrees
c =	128 psf	c =	311 psf

Golder Associates, Inc. **Denver, Colorado**		**Title:** **DIRECT SHEAR TESTING FAILURE ENVELOPES**		
Job Short Title: Mystery Creek/NIX Mine Damtailings/AK				
Sample Number: **Mine Tails**	**Reviewed:** JEO	**Date:** 08/06/04	**Job Number:** 033-5632.007	**Figure:** 3

Golder Associates Inc.
1750 Abbott Road, Suite 200
Anchorage, AK USA 99507
Telephone: (907) 344-6001
Fax: (907) 344-6011

December 1, 2004

Golder Ref.: 033-5632x002.004

Mystery Creek Resources, Inc.
2221 East Street, Suite 200
Golden, Colorado 80401

SENT VIA EMAIL

Attention: Mr. Henry Bogert

RE: FIELD CAPACITY ESTIMATE FOR DRY STACK TAILINGS NIXON FORK GOLD MINE, NEAR MCGRATH, ALASKA

Dear Henry:

Golder Associates, Inc (Golder) is pleased to present our estimate of the amount of water that may drain out of the proposed dry stack tailings at the Nixon Fork Mine near McGrath, Alaska. This work was done at your email request on November 25, 2004 to assist you with the water balance you are preparing.

To determine the amount of water that may drain out of the dry stack tailings, we estimated the field capacity of the tailings using equations developed by Saxton, et al[1] for an applied pressure range of 10 KPa to 1,500 KPa. Field capacity is a soil science term that is defined as the moisture content of a soil after gravity drainage is complete. Therefore, the amount of water that may drain out is the difference of the placed moisture content of the tailings and the field capacity.

Agricultural soil science commonly estimates the field capacity of a fine-grained soil by measuring the moisture retained at a pressure of 50 KPa or ½ atmospheres. For our estimation we considered the pressure applied by the full stack of tailings, which we understand is proposed to be 30 ft high.

We calculated the field capacity of the tailings to be 17.4 %, as shown in the attached Table 1. We assumed an applied pressure of about 165 KPa (3,450 psf) based on our previous work for determining the optimum conditions for stacking the tailings[2]. The sand and clay percentages used in the equation were determined using the particle size distribution from the tailings sample we received from you on July 21, 2004 (attached). Percent sand was determined based on the U.S. Department of Agriculture definition of sand, which ranges in size from 2 mm to 0.05 mm.

---

[1] "Estimating Generalized Soil-Water Characteristics from Texture," by Saxton, K.E., W. L. Rawls, J.S. Rosenberger, and R. I. Papendick, Soil Science Society of America Journal, 50:1031-1036, 1986.

[2] "Regarding Results of Dry Stack Tailings Geotechnical Evaluation," letter to Mystery Creek Resources, Inc. by Golder Associates, Inc, dated September 7, 2004.

Since the placed tailings moisture content is expected to be about 15 %, which is less than the field capacity estimate of 17.4 %, we believe that no water will drain out of the placed tailings. Please contact us if you have any questions or comments regarding our estimate or the references used.

Sincerely,

GOLDER ASSOCIATES INC.

Steven L. Anderson, P.E.
Senior Project Engineer

Attachments: Table 1, Estimate of Field Capacity for Nixon Fork Mine Tailings
Particle Size Distribution

SLA/TGK/sla

Table 1

Estimate of Field Capacity for Nixon Fork Mine Tailings

Sand (2 mm to 0.05 mm) (%S) (%)	Clay (>0.002 mm) (%C) (%)	Equation Coefficients									Water Potential[2] (ψ) (kPa)	Field Capacity (ω) (%)	Placed Moisture Content (%)
		a	*b*	*c*	*d*	*e*	*f*	*g*	A	B			
29.4	10.3	-4.396	-0.0715	-0.00049	-4.285E-05	-3.14	-0.00222	-3.484E-05	0.264	-3.687	165	17.4	15

NOTES: 1. Field capacity calculated using the following equation from Saxton, et al, [1986]: $\omega = 100(\psi/A)^{(1/B)}$

Where: ω = Field capacity (%)
ψ = Water potential or pressure (KPa)
$A = \exp[a + b(\%C) + c(\%S)^2 + d(\%S)^2(\%C)]\ 100$
$B = e + f(\%C)^2 + g(\%S)^2(\%C)$
a, b, c, d, e, f, g = Equation coefficients
%S = amount of sand from particle size distribution (%)
%C = amount of clay from particle size distribution (%)

2. 30 ft of tailings placed at a moisture content of 15 % and a dry density of 100 pcf is equivalent to 3,450 psf or about 165 KPa.
3. Percent of sand and clay determined by interpolating between points from particle size distribution of bulk tailings sample.

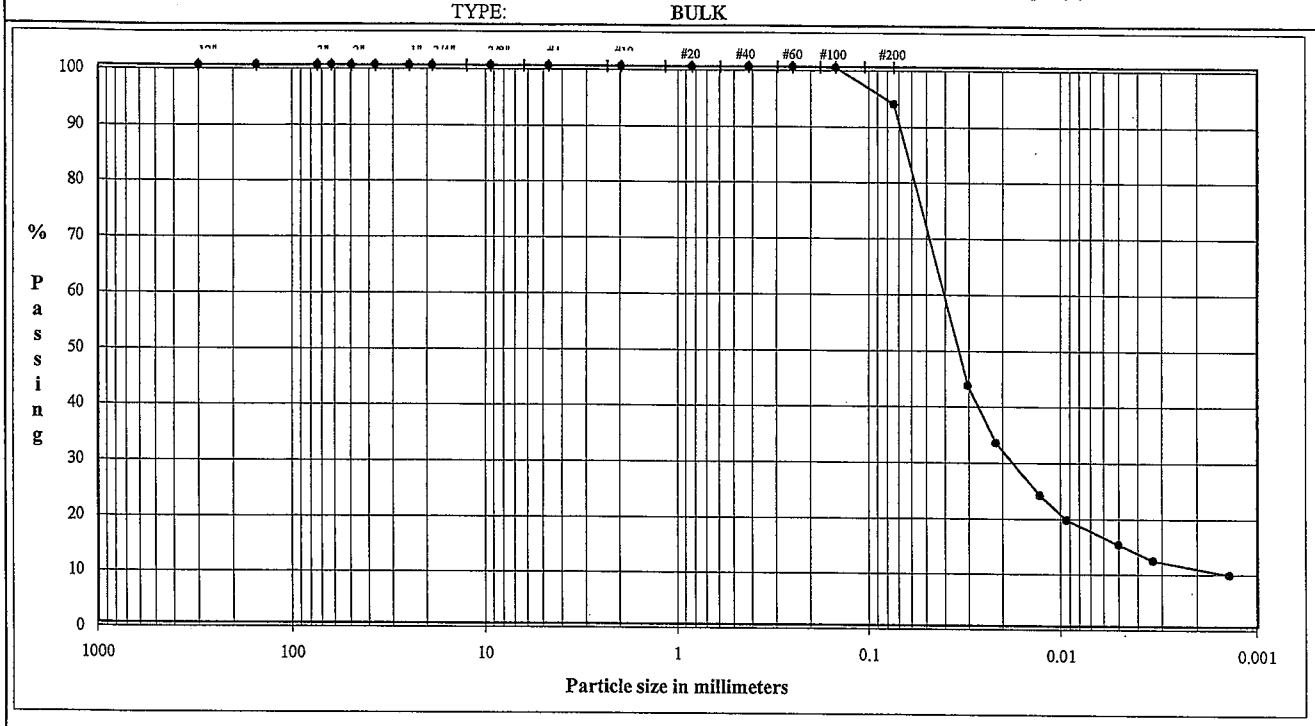
July-04

033-5632.007

PARTICLE SIZE DISTRIBUTION & ATTERBERG LIMITS

ASTM D421, D422, D4318

PROJECT NAME: Mystery Creek/Nixon Fork Mine Dam Tailings/AK
SAMPLE ID: Mine Tails Depth (ft): -
TYPE: BULK



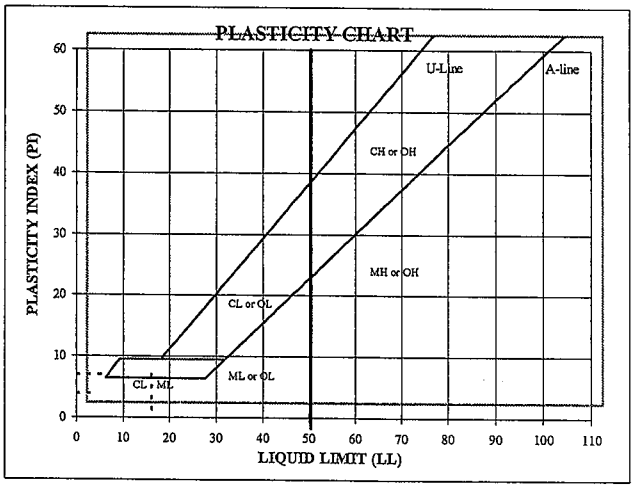
COBBLES	Coarse	Fine	Coarse	Medium	Fine	Silt or Clay
	GRAVEL		SAND			FINES

U.S. Standard Sieves Sizes and Numbers

	Particle Size (mm)	% Passing	Particle Size Classification	Percentage
12.0"	304.8	100.0		
6.0"	154.2	100.0	Cobbles	0.00
3.0"	75.0	100.0		
2.5"	63.5	100.0		
2.0"	50.0	100.0		
1.5"	37.5	100.0		
1.0"	25.0	100.0	Coarse Gravel	0.00
0.75"	19.0	100.0		
0.375"	9.5	100.0		
#4	4.8	100.0	Fine Gravel	0.00
#10	2.00	100.0	Coarse Sand	0.00
#20	0.85	100.0		
#40	0.43	100.0	Medium Sand	0.00
#60	0.25	100.0		
#100	0.15	99.9		
#200	0.075	93.4	Fine Sand	6.65

Hydrometer Analysis

(mm)	%Finer		
0.031	43.1		
0.022	32.9		
0.013	23.5	Fines	
0.0095	19.1	Silt or Clay	93.35
0.0051	14.7		
0.0034	11.8		
0.0014	9.3		



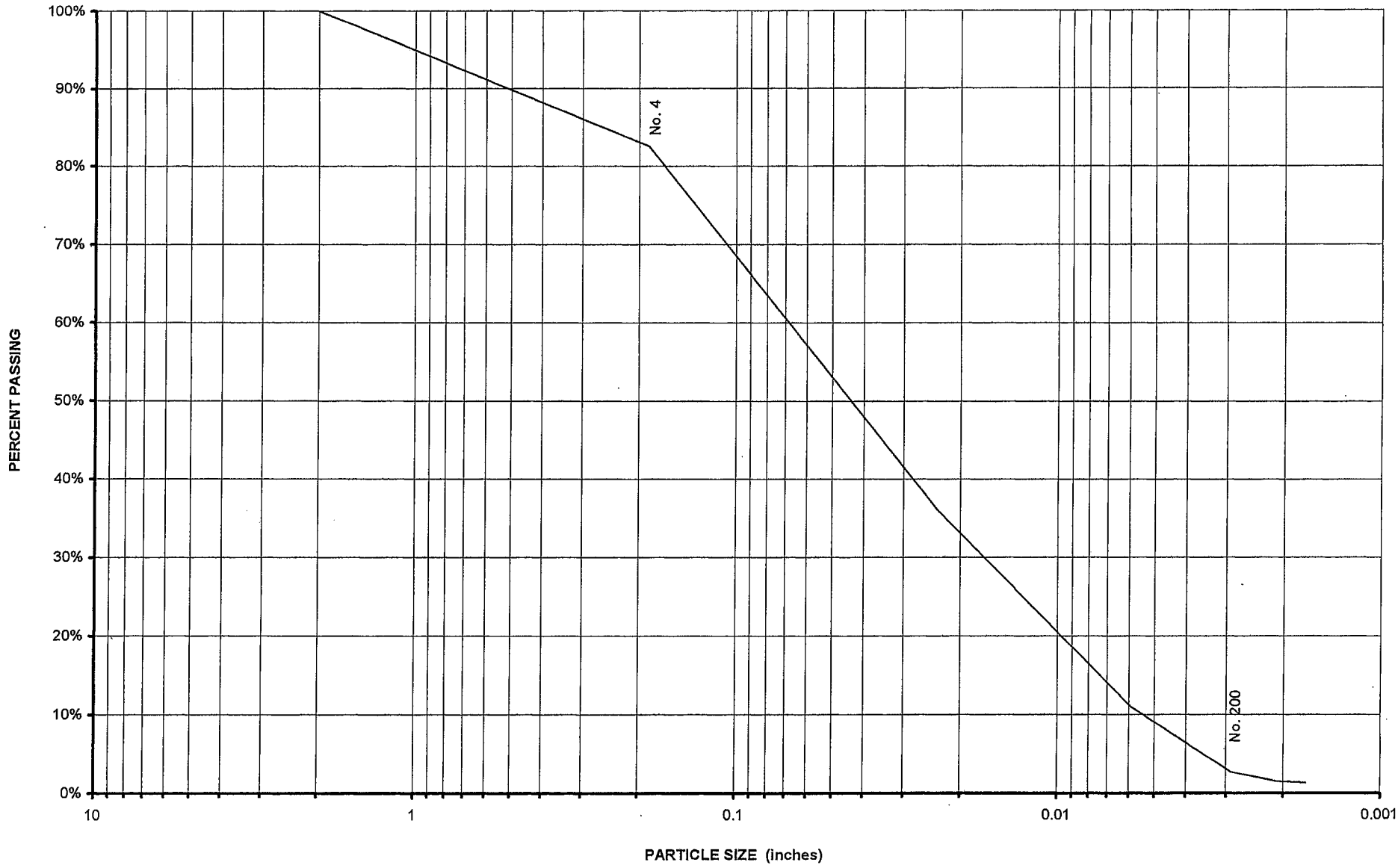
ATTERBERG LIMITS

M_c	LL	PL	PI	SpG (assumed)
22.6	--	--	--	2.65

DESCRIPTION: Light olive gray

USCS: --

TECH	NG
DATE	7/27/2004
REVIEW	MB



FILTERED TAILINGS DISPOSAL SITE SOIL SIZE DISTRIBUTION

Appendix E

Surface Water

TABLE
SURFACE WATER CHEMICAL RESULTS - TOTAL TRACE METALS
MYSTERY CREEK RESOURCES / NIXON FORK MINES
MCGRATH, ALASKA

Sample Location and Date Sampled	Aluminum (ug/L)	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Beryllium (ug/L)	Bismuth (ug/L)	Boron (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Manganese (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)
Mystery Creek Sta# 8																	
7/10/1990		NA	138	NA		NA		NA	NA	NA	NA	0.03	NA		NA	NA	NA
9/20/1990		NA	56	ND (500)		ND (20)		ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)		ND (0.5)	NA	ND (10)
Mystery Creek #2(1)																	
10/19/2003		0.649	57.2	6.52		ND (0.0449)		ND (0.0222)	0.863	0.569 (B)	ND (0.0154)	15.3	0.0012		ND (0.16)	ND (0.031)	0.182
Mystery Stream #1(1)																	
10/19/2003		0.577	60	6.2		ND (0.0103)		ND (0.0091)	1.1	0.566 (B)	ND (0.0426)	4.75	0.0051		ND (0.16)	ND (0.031)	2.06
Mystery Creek ???																	
6/22/2004 10:45:00 AM	248	0.87	69.3	9	ND (0.22)	0.02	2.8	ND (0.073)	ND (0.72)	1.08	0.27	17	ND (0.103)	0.83	1.77	ND (0.0566)	3.54
6/28/2004 1:00:00 PM	101	0.69	60.1	8.3	ND (0.22)	0.02	4.3	ND (0.073)	ND (0.72)	0.98	ND (0.224)	5.9	ND (0.103)	0.68	ND (0.876)	ND (0.0566)	ND (1.5)
7/6/2004 9:30:00 PM	102	0.55	61	7.6	ND (0.22)	0.01	4.2	ND (0.073)	0.94	0.83	ND (0.224)	5.2	ND (0.103)	ND (0.376)	ND (0.876)	ND (0.0566)	ND (1.5)
7/14/2004 11:30:00 AM	64.1	0.48	60.9	7.1	ND (0.22)	ND (0.005)	1.3	ND (0.073)	1.63	ND (0.788)	ND (0.224)	9.9	ND (0.103)	ND (0.376)	ND (0.876)	ND (0.0566)	ND (1.5)
10/3/04 5:45 PM	74.9	0.64	65.4	6.7	ND (0.22)	0.02	27	ND (0.073)	ND (0.72)	ND (0.788)	ND (0.224)	5.7		0.51	2.58	ND (0.0566)	ND (1.5)
Hidden Creek Sta # 4																	
5/29/1990		NA	48	ND (500)		ND (20)		ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)		ND (0.5)	NA	30
5/29/1990		NA	54	ND (500)		ND (20)		ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)		ND (0.5)	NA	20
7/9/1990		NA	49	ND (500)		ND (20)		ND (2)	ND (20)	NA	NA	20				NA	NA
4/9/1990		NA	57	ND (500)		ND (20)		ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)		ND (0.5)	NA	ND (10)
Ruby Creek Sta#10																	
5/29/1990		NA	13	ND (500)		ND (20)		ND (2)	ND (20)	250	ND (20)	190	ND (0.1)		ND (0.5)	NA	30.00
7/9/1990		NA	29	ND (500)		ND (20)		ND (2)	ND (20)	NA	NA	70	NA		NA	NA	NA
9/21/1990		NA	12	ND (500)		ND (20)		ND (2)	ND (20)	120	ND (20)	180	ND (0.1)		ND (0.5)	NA	ND (10)
Ruby Creek																	
6/22/2004 1:30:00 PM	33	2.82	14.6	27	ND (0.22)	0.27	13	ND (0.073)	ND (0.72)	175	ND (0.224)	150	ND (0.103)	1.76	ND (0.876)	0.17	4.57
6/28/2004 1:00:00 PM	64.3	2.28	11.6	22	ND (0.22)	0.29	10	ND (0.073)	0.94	170	0.26	92	ND (0.103)	1.79	ND (0.876)	0.2	261
7/6/2004 10:00:00 PM	ND (12)	2.19	14.7	23	ND (0.22)	0.23	7.9	ND (0.073)	1.16	148	ND (0.224)	110	ND (0.103)	0.71	ND (0.876)	0.19	3.53
7/14/2004 1:30:00 PM	33.6	3.2	31.8	31	ND (0.22)	0.4	5.1	ND (0.073)	1.35	196	0.35	260	ND (0.103)	1.34	ND (0.876)	0.39	5.94
10/3/2004 1630	68.2	0.9	11.3	14	ND (0.22)	0.59	11	0.15	0.74	107	ND (0.224)	140	ND (0.063)	1.75	ND (0.876)	0.1	3.68

Notes:

(1) 18 AAC 80.300(b) Primary Maximum Contaminant Levels (MCLs) or National Secondary Drinking Water Standards

(2) Federal standard, which becomes effective January 23, 2006

ug/L = micrograms per liter which is equivalent to part per bilion (ppb)

ND (10) - Not detected at concentrations above Practical Quantitation Limit (PQL) or Method Detection Limit (MDL) shown in parenthesis

(1) Mystery Creek and Mystery Stream samples were both collected from Mystery Creek

Surface Water - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	*Dissolved Metals by EPA 200.7, 200.8, and 6020* Aluminum mg/L		Antimony mg/L		Arsenic mg/L		Barium mg/L		Beryllium mg/L		Bismuth mg/L	
Mystery Creek												
6/22/2004 10:45:00 AM	0.0297		0.00064	J	0.058		0.0063	E-02, J	ND (0.0002)	E-02, U	ND (0.000005)	A-02, E-02, U
6/28/2004 1:00:00 PM	0.0221		0.00067	J	0.0584		0.0063	E-02, J	ND (0.0002)	E-02, U	ND (0.000005)	A-02, E-02, U
7/6/2004 9:30:00 PM	0.0218		0.00062	J	0.0613		0.007	E-02, J	ND (0.0002)	E-02, U	ND (0.000005)	A-01, E-02, U
7/14/2004 11:30:00 AM	0.0208		0.00055	J	0.06		0.0067	E-02, J	ND (0.0002)	E-02, U	ND (0.000005)	A-01, E-02, U
10/3/04 5:45 PM	0.0207		0.00063	J	0.0562		0.0066	E-02, J	ND (0.0002)	E-02, U	0.00002	E-02, J
Minimum Value	0.0207		0.00055		0.0562		0.0063		ND (0.0002)		ND (0.000005)	
Maximum Value	0.0297		0.00067		0.0613		0.007		ND (0.0002)		0.00002	
Aritmetic Average	0.02302		0.000622		0.05878		0.00658		0.00011		0.000006	
Ruby Creek												
6/22/2004 1:30:00 PM	0.0279		0.00286		0.0141		0.026	E-02	ND (0.0002)	E-02, U	0.00022	A-02, E-02, J
6/28/2004 1:00:00 PM	0.0334		0.00217		0.0103		0.019	E-02	ND (0.0002)	E-02, U	0.00012	A-02, E-02, J
7/6/2004 10:00:00 PM	ND (0.01)	U	0.00251		0.0148		0.024	E-02	ND (0.0002)	E-02, U	0.00015	A-01, E-02, J
7/14/2004 1:30:00 PM	0.0286		0.00321		0.0269		0.03	E-02	ND (0.0002)	E-02, U	0.00026	A-01, E-02, J
10/3/2004 1630	0.0503		0.00086	J	0.00945		0.014	E-02	ND (0.0002)	E-02, U	0.00013	E-02, J
Minimum Value	0.012		0.00086		0.00945		0.014		ND (0.0002)		0.00012	
Maximum Value	0.0503		0.00321		0.0269		0.03		ND (0.0002)		0.00026	
Aritmetic Average	0.03044		0.002322		0.01511		0.0226		0.00011		0.000101	
Nixon above Ruby												
6/23/2004 2:30:00 PM	0.0152	J	0.00027	J	0.00077	J	0.039	E-02	ND (0.0002)	E-02, U	ND (0.000005)	A-02, E-02, U
Nixon below Ruby												
6/23/2004 3:00:00 PM	0.017	J	ND (0.0002)	U	0.00042	J	0.039	E-02	ND (0.0002)	E-02, U	ND (0.000005)	A-02, E-02, U
Nixon Fork@Takotna												
6/28/2004 5:25:00 PM	0.0271	M-04	0.00029	J	0.00363		0.043	E-02	ND (0.0002)	E-02, U	ND (0.000005)	A-01, E-02, U

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Surface Water - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Boron mg/L		Cadmium mg/L		Calcium mg/L		Chromium mg/L		Copper mg/L		Iron mg/L		Lead mg/L	
Mystery Creek														
6/22/2004 10:45:00 AM	0.0024	A-02, E-02, J	0.0001		10.3		ND (0.0007)	U	0.00092	J	0.0942	J	ND (0.00022)	U
6/28/2004 1:00:00 PM	0.0037	A-02, E-02, J	ND (0.000073)	U	8.99		0.0009	J	ND (0.00079)	U	0.0267	J	ND (0.00022)	U
7/6/2004 9:30:00 PM	0.0021	A-01, E-02, J	ND (0.000073)	U	9.07		ND (0.0007)	U	ND (0.00079)	U	0.0201	J	ND (0.00022)	U
7/14/2004 11:30:00 AM	0.0014	A-01, E-02, J	ND (0.000073)	U	9.38		0.00094	J	ND (0.00079)	U	0.019	J	ND (0.00022)	U
10/3/04 5:45 PM	0.024	A-10, E-02, B	ND (0.000073)	U	9.4	A-01, B	ND (0.0007)	U	ND (0.00079)	U	0.0306	J	ND (0.00022)	U
Minimum Value	0.0014		ND (0.000073)		8.99		ND (0.0007)		ND (0.00079)		0.019		ND (0.00022)	
Maximum Value	0.024		0.0001		10.3		0.00094	0	0.00092		0.0942		0.000224	
Aritmetic Average	0.00672		0.0000492		9.43		0.000584		0.0004992		0.04		0.000112	
Ruby Creek														
6/22/2004 1:30:00 PM	0.009	A-02, E-02, J	ND (0.000073)	U	19	E-02	ND (0.0007)	U	0.18	E-02	1.19		ND (0.00022)	U
6/28/2004 1:00:00 PM	0.008	A-02, E-02, J	ND (0.000073)	U	16.6		0.00115		0.154		0.74		ND (0.00022)	U
7/6/2004 10:00:00 PM	0.0064	A-01, E-02, J	ND (0.000073)	U	16.5		ND (0.0007)	U	0.15		0.962		ND (0.00022)	U
7/14/2004 1:30:00 PM	0.0045	A-01, E-02, J	ND (0.000073)	U	22	E-02	0.00132		0.14	E-02	1.76		0.00028	J
10/3/2004 1630	0.01	A-10, E-02, B	ND (0.000073)	U	17.5	A-01, B	0.00081	J	0.0942		1.01		ND (0.00022)	U
Minimum Value	0.0045		ND (0.000073)		16.5		ND (0.0007)		0.0942		0.74		ND (0.00022)	
Maximum Value	0.01		ND (0.000073)		22		0.00132	0	0.18		1.76		0.00028	
Aritmetic Average	0.00758		0.0000365		18.32		0.0008		0.08982		1.13		0.0001456	
Nixon above Ruby														
6/23/2004 2:30:00 PM	0.0067	A-02, E-02, J	0.00009	J	20	E-02	ND (0.0007)	U	0.0012	E-02, J	0.0806	J	ND (0.00022)	U
Nixon below Ruby														
6/23/2004 3:00:00 PM	0.0064	A-02, E-02, J	ND (0.000073)	U	21.9		ND (0.0007)	U	0.00148	J	0.0827	J	ND (0.00022)	U
Nixon Fork@Takotna														
6/28/2004 5:25:00 PM	0.01	E-02	ND (0.000073)	U	19.5		0.00079	J	0.00129	J	1.72		ND (0.00022)	U

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Surface Water - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Magnesium mg/L		Manganese mg/L		Mercury (*EPA 245.1*) mg/L		Molybdenum mg/L		Nickel mg/L		Potassium mg/L	
Mystery Creek												
6/22/2004 10:45:00 AM	2.2	E-02	0.0096	E-02, J	ND (0.000103)	U	0.0012	E-02, J	0.00103	J	0.72	E-02
6/28/2004 1:00:00 PM	3.4	B, E-02	0.0038	E-02, J	ND (0.000103)	U	0.001	E-02, J	0.0007	J	0.7	E-02
7/6/2004 9:30:00 PM	2.2	B, E-02	0.0031	E-02, J	ND (0.000103)	U	0.0013	E-02, J	0.0011	J	0.75	E-02
7/14/2004 11:30:00 AM	2.1	E-02	0.0028	E-02, J	ND (0.000103)	U	0.0013	E-02, J	0.00051	J	0.59	E-02
10/3/04 5:45 PM	2.03		0.0054	E-02, J	ND (0.000063)	U	0.0023	E-02, J	0.00085	J	0.65	E-02
Minimum Value	2.03		0.0028		ND (0.000063)		0.001		0.00051		0.59	
Maximum Value	3.4		0.0096		ND (0.000103)		0.0023		0.0011		0.75	
Aritmetic Average	2.39		0.00494		0.0000475		0.00142		0.000838		0.68	
Ruby Creek												
6/22/2004 1:30:00 PM	4.1	E-02	0.16	E-02	ND (0.000103)	U	0.00029	E-02, J	0.00248		0.74	E-02
6/28/2004 1:00:00 PM	3.3	B, E-02	0.089	E-02	ND (0.000103)	U	ND (0.00013)	E-02, U	0.00153	J	0.53	E-02
7/6/2004 10:00:00 PM	3.7	B, E-02	0.11	E-02	ND (0.000103)	U	0.00054	E-02, J	0.00206		0.54	E-02
7/14/2004 1:30:00 PM	4.4	E-02	0.19	E-02	ND (0.000103)	U	0.00046	E-02, J	0.00155	J	0.53	E-02
10/3/2004 1630	3.87		0.14	E-02	ND (0.000063)	U	0.00062	E-02, J	0.0019	J	0.38	E-02
Minimum Value	3.3		0.089		ND (0.000063)		ND (0.00013)		0.00153		0.38	
Maximum Value	4.4		0.19		ND (0.000103)		0.00062		0.00248		0.74	
Aritmetic Average	3.87		0.1378		0.0000475		0.000408		0.001904		0.54	
Nixon above Ruby												
6/23/2004 2:30:00 PM	8	E-02	0.018	E-02	ND (0.000103)	U	0.00038	E-02, J	0.0017	J	0.46	E-02
Nixon below Ruby												
6/23/2004 3:00:00 PM	8.26		0.014	E-02	ND (0.000103)	U	0.00039	E-02, J	0.00132	J	0.43	E-02
Nixon Fork@Takotna												
6/28/2004 5:25:00 PM	6.4	B, E-02	0.021	E-02	ND (0.000103)	U	0.00036	A-01, E-02, J	0.00112	J	0.47	E-02

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Surface Water - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Selenium mg/L		Silicon mg/L		Silver mg/L		Sodium mg/L		Thallium mg/L	
Mystery Creek										
6/22/2004 10:45:00 AM	ND (0.00088)	U	4.5	A-02, E-02	ND (0.0000566)	U	1.9	E-02	ND (0.000066)	E-02, U
6/28/2004 1:00:00 PM	ND (0.00088)	U	4	A-02, B, E-02	ND (0.0000566)	U	2	E-02	ND (0.000066)	E-02, U
7/6/2004 9:30:00 PM	ND (0.00088)	U	5.6	A-01, B, E-02	ND (0.0000566)	U	2	E-02	ND (0.000066)	E-02, U
7/14/2004 11:30:00 AM	ND (0.00088)	U	4.5	A-01, E-02	ND (0.0000566)	U	2	E-02	0.00016	E-02, J
10/3/04 5:45 PM	ND (0.00088)	U	3.3	E-02	ND (0.0000566)	U	2.2	E-02, B	ND (0.000066)	E-02, U
Minimum Value	ND (0.00088)		3.3		ND (0.0000566)		1.9		ND (0.000066)	
Maximum Value	ND (0.00088)		5.6		ND (0.0000566)		2.2		0.00016	
Aritmetic Average	0.000438		4.38		0.0000283		2.02		0.0001	
Ruby Creek										
6/22/2004 1:30:00 PM	ND (0.00088)	U	3.3	A-02, E-02	0.00014	J	2.4	E-02	ND (0.000066)	E-02, U
6/28/2004 1:00:00 PM	ND (0.00088)	U	2.4	A-02, B, E-02	0.00014	J	2.1	E-02	ND (0.000066)	E-02, U
7/6/2004 10:00:00 PM	ND (0.00088)	U	4	A-01, B, E-02	0.00016	J	1.9	E-02	0.00013	E-02, J
7/14/2004 1:30:00 PM	ND (0.00088)	U	4	A-01, E-02	0.00028	J	2.2	E-02	ND (0.000066)	E-02, U
10/3/2004 1630	ND (0.00088)	U	2	E-02	ND (0.0000566)	U	1.5	E-02, B	ND (0.000066)	E-02, U
Minimum Value	ND (0.00088)		2		ND (0.0000566)		1.5		ND (0.000066)	
Maximum Value	ND (0.00088)		4		0.00028		2.4		0.00013	
Aritmetic Average	0.000438		3.14		0.00008		2.02		0.000046	
Nixon above Ruby										
6/23/2004 2:30:00 PM	0.00148		2.4	A-02, E-02	ND (0.0000566)	U	2.3	E-02	0.00009	E-02, J
Nixon below Ruby										
6/23/2004 3:00:00 PM	ND (0.00088)	U	2.3	A-02, E-02	ND (0.0000566)	U	2.2	E-02	ND (0.000066)	E-02, U
Nixon Fork@Takotna										
6/28/2004 5:25:00 PM	ND (0.00088)	U	2.2	B, E-02	ND (0.0000566)	U	2.4	E-02	0.00012	E-02, J

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Surface Water - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Tin mg/L		Titanium mg/L		Uranium mg/L		Vanadium mg/L		Zinc mg/L		Hardness mg/L
Mystery Creek											
6/22/2004 10:45:00 AM	ND (0.001)	E-02, U	0.002	A-01, E-02, J	0.00065	A-02, E-02, J	ND (0.0004)	E-02, U	0.00164	J	34.8
6/28/2004 1:00:00 PM	ND (0.001)	E-02, U	0.0014	E-02, J	0.00054	A-02, E-02, J	ND (0.0004)	E-02, U	0.00155	J	31.1
7/6/2004 9:30:00 PM	ND (0.001)	E-02, U	0.0016	E-02, J	0.00062	A-01, E-02, J	ND (0.0004)	E-02, U	0.00155	J	
7/14/2004 11:30:00 AM	ND (0.001)	E-02, U	0.0013	E-02, J	0.00049	A-01, E-02, J	ND (0.0004)	E-02, U	0.00155	J	32.3
10/3/04 5:45 PM	0.0063	A-10, E-02, J, B	0.0011	E-02, J	0.0007	E-02, J	ND (0.0004)	E-02, U	ND (0.0015)	U	
Minimum Value	ND (0.001)		0.0011		0.00049		ND (0.0004)		ND (0.0015)		31.1
Maximum Value	ND (0.0063)		0.002		0.0007		ND (0.0004)		0.00164		34.8
Aritmetic Average	0.0016		0.0015		0.0006		0.000175		0.00156		32.73
Ruby Creek											
6/22/2004 1:30:00 PM	ND (0.001)	E-02, U	0.0016	A-01, E-02, J	0.0002	A-02, E-02, J	ND (0.0004)	E-02, U	0.00717		71.3
6/28/2004 1:00:00 PM	ND (0.001)	E-02, U	0.0011	E-02, J	0.00014	A-02, E-02, J	ND (0.0004)	E-02, U	0.00414	J	55.6
7/6/2004 10:00:00 PM	ND (0.001)	E-02, U	0.0018	E-02, J	0.00022	A-01, E-02, J	0.00039	E-02, J	0.00515		
7/14/2004 1:30:00 PM	ND (0.001)	E-02, U	0.0015	E-02, J	0.00028	A-01, E-02, J	ND (0.0004)	E-02, U	0.00517		70.9
10/3/2004 1630	0.0019	A-10, E-02, J, B	0.00046	E-02, J	0.00024	E-02, J	ND (0.0004)	E-02, U	0.00365	J	59.8
Minimum Value	ND (0.001)		0.00046		0.00014		ND (0.0004)		0.00365		55.6
Maximum Value	ND (0.0019)		0.0018		0.00028		0.00039		0.00717		71.3
Aritmetic Average	0.0008		0.0013		0.000216		0.000218		0.00506		64.4
Nixon above Ruby											
6/23/2004 2:30:00 PM	ND (0.001)	E-02, U	0.00083	A-01, E-02, J	0.00014	A-02, E-02, J	ND (0.0004)	E-02, U	ND (0.0015)	U	85.2
Nixon below Ruby											
6/23/2004 3:00:00 PM	ND (0.001)	E-02, U	0.0011	A-01, E-02, J	0.00017	A-02, E-02, J	ND (0.0004)	E-02, U	0.00171	J	88.7
Nixon Fork@Takotna											
6/28/2004 5:25:00 PM	ND (0.001)	A-01, E-02, U	0.0017	E-02, J	0.00012	A-01, E-02, J	0.00085	E-02, J	0.0025	J	78.1

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Metals by EPA 200.7, 200.8, and 6020* Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Bismuth (mg/L)
Mystery Creek						
6/22/2004 10:45:00 AM	0.248	0.00087 J	0.0693	0.009 E-02, J	ND (0.00022) E-02, U	0.00002 A-02, E-02, J
6/28/2004 1:00:00 PM	0.101	0.00069 J	0.0601	0.0083 E-02, J	ND (0.00022) E-02, U	0.00002 A-01, A-02, E-02, J
7/6/2004 9:30:00 PM	0.102	0.00055 J	0.061	0.0076 E-02, J	ND (0.00022) E-02, U	0.00001 A-01, E-02, J
7/14/2004 11:30:00 AM	0.0641	0.00048 J	0.0609	0.0071 E-02, J	ND (0.00022) E-02, U	ND (0.000005) A-01, E-02, U
10/3/04 5:45 PM	0.0749	0.00064 J	0.0654	0.0067 E-02, J	ND (0.00022) E-02, U	0.00002 E-02, J
Minimum Value	0.064	0.00048	0.0601	0.0067	ND (0.00022)	ND (0.000005)
Maximum Value	0.248	0.00087	0.0693	0.009	ND (0.00022)	0.00002
Aritmetic Average	0.118	0.000646	0.06334	0.00774	0.00011	0.000015
Ruby Creek						
6/22/2004 1:30:00 PM	0.033	0.00282	0.0146	0.027 E-02	ND (0.00022) E-02, U	0.00027 A-02, E-02, J
6/28/2004 1:00:00 PM	0.0643	0.00228	0.0116	0.022 E-02	ND (0.00022) E-02, U	0.00029 A-01, A-02, E-02, J
7/6/2004 10:00:00 PM	ND (0.01) U	0.00219	0.0147	0.023 E-02	ND (0.00022) E-02, U	0.00023 A-01, E-02, J
7/14/2004 1:30:00 PM	0.0336	0.0032	0.0318	0.031 E-02	ND (0.00022) E-02, U	0.0004 A-01, E-02, J
10/3/2004 1630	0.0682	0.0009 J	0.0113	0.014 E-02	ND (0.00022) E-02, U	0.00059 E-02, J
Minimum Value	ND (0.01)	0.0009	0.0113	0.014	ND (0.00022)	0.00023
Maximum Value	0.0682	0.0032	0.0318	0.031	ND (0.00022)	0.00059
Aritmetic Average	0.04222	0.002278	0.0168	0.0234	0.00011	0.000356
Nixon above Ruby						
6/23/2004 2:30:00 PM	0.0786	0.00022 J	0.00103	0.041 E-02	ND (0.00022) E-02, U	ND (0.000005) A-02, E-02, U
Nixon below Ruby						
6/23/2004 3:00:00 PM	0.06	ND (0.0002) U	0.00075 J	0.041 E-02	ND (0.00022) E-02, U	0.00001 A-02, E-02, J
Nixon Fork@Takotna						
6/28/2004 5:25:00 PM	0.264	0.00022 J	0.00554	0.047 E-02	ND (0.00022) E-02, U	0.00002 A-01, E-02, J

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Metals by EPA 200.7, 200.8, and 6020* Boron (mg/L)		Cadmium (mg/L)		Calcium (mg/L)	Chromium (mg/L)		Copper (mg/L)		Iron (mg/L)		Lead (mg/L)	
Mystery Creek													
6/22/2004 10:45:00 AM	0.0028	A-02, E-02, J	ND (0.000073)	U	10.5	ND (0.00072)	U	0.00108	J	0.447		0.00027	J
6/28/2004 1:00:00 PM	0.0043	A-02, E-02, J	ND (0.000073)	U	9.4	ND (0.00072)	U	0.00098	J	0.163		ND (0.000224)	U
7/6/2004 9:30:00 PM	0.0042	A-01, E-02, J	ND (0.000073)	U	9.68	0.00094	J	0.00083	J	0.145		ND (0.000224)	U
7/14/2004 11:30:00 AM	0.0013	A-01, E-02, J	ND (0.000073)	U	8.55	0.00163		ND (0.000788)	U	0.09	J	ND (0.000224)	U
10/3/04 5:45 PM	0.027	E-02	ND (0.000073)	U	9.4	ND (0.00072)	U	ND (0.000788)	U	0.126		ND (0.000224)	U
Minimum Value	0.0013		ND (0.000073)		8.55	ND (0.00072)		ND (0.000788)		0.09		ND (0.000224)	
Maximum Value	0.027		ND (0.000073)		10.5	0.00163		0.00108		0.447		0.00027	
Aritmetic Average	0.00792		0.0000365		9.51	0.00073		0.00074		0.194		0.0001436	
Ruby Creek													
6/22/2004 1:30:00 PM	0.013	A-02, E-02	ND (0.000073)	U	21.2	ND (0.00072)	U	0.175		1.31		ND (0.000224)	U
6/28/2004 1:00:00 PM	0.01	A-02, E-02	ND (0.000073)	U	16.2	0.00094	J	0.17		1.13		0.00026	J
7/6/2004 10:00:00 PM	0.0079	A-01, E-02, J	ND (0.000073)	U	17.7	0.00116		0.148		1.21		ND (0.000224)	U
7/14/2004 1:30:00 PM	0.0051	A-01, E-02, J	ND (0.000073)	U	19.3	0.00135		0.196		2.16		0.00035	J
10/3/2004 1630	0.011	E-02	0.00015		17.7	0.00074	J	0.107		1.28		ND (0.000224)	U
Minimum Value	0.0051		ND (0.000073)		16.2	ND (0.00072)		0.107		1.13		ND (0.000224)	
Maximum Value	0.013		0.00015		21.2	0.00135		0.196		2.16		0.00035	
Aritmetic Average	0.0094		0.0000592		18.42	0.00100		0.1289		1.418		0.00019	
Nixon above Ruby													
6/23/2004 2:30:00 PM	0.011	A-02, E-02	ND (0.000073)	U	22.5	ND (0.00072)	U	0.0022	E-02, J	0.248		ND (0.000224)	U
Nixon below Ruby													
6/23/2004 3:00:00 PM	0.01	A-02, E-02	ND (0.000073)	U	22.4	ND (0.00072)	U	0.00116	J	0.233		ND (0.000224)	U
Nixon Fork@Takotna													
6/28/2004 5:25:00 PM	0.012	E-02	ND (0.000073)	U	20.2	ND (0.00072)	U	0.00165	J	2.98		0.00024	J

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limi

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Metals by EPA 200.7, 200.8, and 6020* Magnesium (mg/L)		Manganese (mg/L)		Mercury (mg/L) (EPA 245.1)		Molybdenum (mg/L)		Nickel (mg/L)		Potassium (mg/L)	
Mystery Creek												
6/22/2004 10:45:00 AM	3.8	A-01, E-02	0.017	E-02	ND (0.000103)	U	0.0011	E-02, J	0.00083	J	0.77	E-02
6/28/2004 1:00:00 PM	1.1	E-02	0.0059	E-02, J	ND (0.000103)	U	0.0014	A-01, E-02, J	0.00068	J	0.33	E-02
7/6/2004 9:30:00 PM	2.15		0.0052	E-02, J	ND (0.000103)	U	0.0012	E-02, J	ND (0.000376)	U	0.62	E-02
7/14/2004 11:30:00 AM	2.1	E-02	0.0099	E-02, J	ND (0.000103)	U	0.00076	E-02, J	ND (0.000376)	U	0.58	E-02
10/3/04 5:45 PM	1.98		0.0057	E-02, J			0.0025	E-02, J	0.00051	J	0.66	E-02
Minimum Value	1.1		0.0052		ND (0.000103)		0.00076		ND (0.000376)			
Maximum Value	3.8		0.017		ND (0.000103)		0.0025		0.00083			
Aritmetic Average	2.23		0.00874		ND (0.0000515)		0.001392		0.0004792			
Ruby Creek												
6/22/2004 1:30:00 PM	4	A-01, E-02	0.15	E-02	ND (0.000103)	U	0.00018	A-01, E-02, J	0.00176	J	0.77	E-02
6/28/2004 1:00:00 PM	1.7	E-02	0.092	E-02	ND (0.000103)	U	ND (0.00013)	A-01, E-02, U	0.00179	J	0.32	E-02
7/6/2004 10:00:00 PM	3.6	E-02	0.11	E-02	ND (0.000103)	U	0.00056	E-02, J	0.00071	J	0.54	E-02
7/14/2004 1:30:00 PM	4.4	E-02	0.26	E-02	ND (0.000103)	U	ND (0.00016)	E-02, U	0.00134	J	0.52	E-02
10/3/2004 1630	3.79		0.14	E-02	ND (0.000063)	U	0.00056	E-02, J	0.00175	J	0.35	E-02
Minimum Value	1.7		0.092		ND (0.000063)		ND (0.00013)		0.00071			
Maximum Value	4.4		0.26		ND (0.000103)		0.00056		0.00179			
Aritmetic Average	3.50		0.1504		ND (0.0000475)		0.000289		0.001265			
Nixon above Ruby												
6/23/2004 2:30:00 PM	8.2	A-01, E-02	0.019	E-02	ND (0.000103)	U	0.00042	A-01, E-02, J	0.0013	J	0.47	E-02
Nixon below Ruby												
6/23/2004 3:00:00 PM	8.56		0.017	E-02	ND (0.000103)	U	0.00057	A-01, E-02, J	0.00129	J	0.45	E-02
Nixon Fork@Takotna												
6/28/2004 5:25:00 PM	6.5	E-02	0.054	E-02	ND (0.000103)	U	0.00041	A-01, E-02, J	0.00202		0.48	E-02

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Metals by EPA 200.7, 200.8, and 6020* Selenium (mg/L)		Silicon (mg/L)		Silver (mg/L)		Sodium (mg/L)		Thallium (mg/L)	
Mystery Creek										
6/22/2004 10:45:00 AM	0.00177		3.9	A-02, E-02	ND (0.0000566)	U	2.1	E-02	0.00014	E-02, J
6/28/2004 1:00:00 PM	ND (0.000876)	U	4.5	A-02, E-02	ND (0.0000566)	U	0.98	B, E-02	ND (0.000066)	E-02, U
7/6/2004 9:30:00 PM	ND (0.000876)	U	6.4	A-01, E-02	ND (0.0000566)	U	2	E-02	0.00009	E-02, J
7/14/2004 11:30:00 AM	ND (0.000876)	U	4.7	A-01, E-02	ND (0.0000566)	U	1.9	B, E-02	0.00012	E-02, J
10/3/04 5:45 PM	0.00258		3	E-02	ND (0.0000566)	U	2.2	E-02	ND (0.000066)	E-02, U
Minimum Value	ND (0.000876)		3		ND (0.0000566)		0.98		ND (0.000066)	
Maximum Value	0.00258		6.4		ND (0.0000566)		2.2		0.00014	
Aritmetic Average	0.0011328		4.5		0.0000283		1.836		0.0000832	
Ruby Creek										
6/22/2004 1:30:00 PM	ND (0.000876)	U	2.9	A-02, E-02	0.00017	J	2.5	E-02	ND (0.000066)	E-02, U
6/28/2004 1:00:00 PM	ND (0.000876)	U	2.6	E-02, A-02	0.0002	J	0.96	B, E-02	ND (0.000066)	E-02, U
7/6/2004 10:00:00 PM	ND (0.000876)	U	4	A-01, E-02	0.00019	J	1.9	E-02	0.00013	E-02, J
7/14/2004 1:30:00 PM	ND (0.000876)	U	4.1	A-01, E-02	0.00039	J	2.1	B, E-02	ND (0.000066)	E-02, U
10/3/2004 1630	ND (0.000876)	U	2	E-02	0.0001	J	1.5	E-02	ND (0.000066)	E-02, U
Minimum Value	ND (0.000876)		2		0.0001		0.96		ND (0.000066)	
Maximum Value	ND (0.000876)		4.1		0.00039		2.5		0.00013	
Aritmetic Average	0.000438		3.12		0.000105		1.792		0.0000524	
Nixon above Ruby										
6/23/2004 2:30:00 PM	ND (0.000876)	U	2.5	A-02, E-02	ND (0.0000566)	U	2.4	E-02	ND (0.000066)	E-02, U
Nixon below Ruby										
6/23/2004 3:00:00 PM	ND (0.000876)	U	1.9	A-02, E-02	ND (0.0000566)	U	2.4	E-02	ND (0.000066)	E-02, U
Nixon Fork@Takotna										
6/28/2004 5:25:00 PM	0.00174		3.1	E-02	ND (0.0000566)	U	2.3	B, E-02	0.00015	E-02, J

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

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Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Metals by EPA 200.7, 200.8, and 6020* Tin (mg/L)		Titanium (mg/L)		Uranium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
Mystery Creek										
6/22/2004 10:45:00 AM	ND (0.00096)	E-02, U	0.012	E-02	0.00095	A-02, E-02, J	0.00081	E-02, J	0.00354	J
6/28/2004 1:00:00 PM	ND (0.00096)	A-01, E-02, U	0.0061	A-01, E-02, J	0.00093	A-01, A-02, E-02, J	0.00057	E-02, J	ND (0.0015)	U
7/6/2004 9:30:00 PM	ND (0.00096)	E-02, U	0.023	E-02	0.00078	A-01, E-02, J	0.00062	E-02, J	ND (0.0015)	U
7/14/2004 11:30:00 AM	ND (0.00096)	E-02, U	0.004	E-02, J	0.00063	A-01, E-02, J	ND (0.00035)	E-02, U	ND (0.0015)	U
10/3/04 5:45 PM	0.0095	A-10, E-02, J	0.0046	E-02, J	0.00074	E-02, J	0.00044	E-02, J	ND (0.0015)	U
Minimum Value	ND (0.00096)		0.004		0.00063		ND (0.00035)		ND (0.0015)	
Maximum Value	0.0095		0.023		0.00095		0.00081		0.00354	
Aritmetic Average	0.002284		0.00994		0.000806		0.000523		0.001308	
Ruby Creek										
6/22/2004 1:30:00 PM	ND (0.00096)	A-01, E-02, U	0.0012	E-02, J	0.00022	A-02, E-02, J	ND (0.00035)	E-02, U	0.00457	J
6/28/2004 1:00:00 PM	ND (0.00096)	A-01, E-02, U	0.0026	A-01, E-02, J	0.00026	A-01, A-02, E-02, J	0.00047	E-02, J	0.261	
7/6/2004 10:00:00 PM	ND (0.00096)	E-02, U	0.0016	A-02, E-02, J	0.0002	A-01, E-02, J	ND (0.00035)	E-02, U	0.00353	J
7/14/2004 1:30:00 PM	ND (0.00096)	E-02, U	0.0013	E-02, J	0.00032	A-01, E-02, J	ND (0.00035)	E-02, U	0.00594	
10/3/2004 1630	0.0016	A-10, E-02, J	0.002	E-02, J	0.00018	E-02, J	0.00046	E-02, J	0.00368	J
Minimum Value	ND (0.00096)		0.0012		0.00018		ND (0.00035)		0.00353	
Maximum Value	0.0016		0.0026		0.00032		0.00047		0.261	
Aritmetic Average	0.000704		0.00174		0.000236		0.000291		0.05574	
Nixon above Ruby										
6/23/2004 2:30:00 PM	ND (0.00096)	A-01, E-02, U	0.003	E-02, J	0.00021	A-02, E-02, J	0.00055	E-02, J	0.00154	J
Nixon below Ruby										
6/23/2004 3:00:00 PM	ND (0.00096)	A-01, E-02, U	0.002	E-02, J	0.00027	A-02, E-02, J	0.00043	E-02, J	0.00335	J
Nixon Fork@Takotna										
6/28/2004 5:25:00 PM	ND (0.00096)	A-01, E-02, U	0.0092	A-01, E-02, J	0.0002	A-01, E-02, J	0.0018	E-02, J	0.00433	J

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Anions, Nutrients, Field Parameters and Other Species* Bicarbonate Alkalinity (mg/L as CaCO3)	Carbonate Alkalinity (mg/L as CaCO3)		Hydroxide Alkalinity (mg/L as CaCO3)		Total Alkalinity (mg/L as CaCO3)	Chloride (mg/L)		Fluoride (mg/L)	
Mystery Creek										
6/22/2004 10:45:00 AM	34.9	ND (0.208)	U	ND (0.208)	U	34.4	0.21	J	0.08	J
6/28/2004 1:00:00 PM	32.2	ND (0.428)	U	ND (0.428)	U	30.5	0.18	J	ND (0.05)	U
7/6/2004 9:30:00 PM	32.3	ND (0.428)	U	ND (0.428)	U	32.3	0.27	J	ND (0.05)	U
7/14/2004 11:30:00 AM	33.1	ND (0.428)	U	ND (0.428)	U	33.3	0.29	J	ND (0.05)	U
10/3/04 5:45 PM	31.9	ND (0.428)	U	ND (0.428)	U	31.9	0.45	J	0.05	J
Minimum Value	31.9	ND (0.208)		ND (0.208)		30.5	0.18		ND (0.05)	
Maximum Value	34.9	ND (0.428)		ND (0.428)		34.4	0.45		0.08	
Aritmetic Average	32.88	0.192		0.192		32.48	0.28		0.0404	
Ruby Creek										
6/22/2004 1:30:00 PM	46.4	ND (0.208)	U	ND (0.208)	U	46.3	0.91		ND (0.05)	U
6/28/2004 1:00:00 PM	39.6	ND (0.428)	U	ND (0.428)	U	37.9	0.55		ND (0.05)	U
7/6/2004 10:00:00 PM	50.7	ND (0.428)	U	ND (0.428)	U	50.7	0.44	J	ND (0.05)	U
7/14/2004 1:30:00 PM	71.5	ND (0.428)	U	ND (0.428)	U	71.4	0.38	J	ND (0.05)	U
10/3/2004 1630	53.1	ND (0.428)	U	ND (0.428)	U	53.1	1.21		ND (0.05)	U
Minimum Value	39.6	ND (0.208)		ND (0.208)		37.9	0.38		ND (0.05)	
Maximum Value	71.5	ND (0.428)		ND (0.428)		71.4	1.21		ND (0.05)	
Aritmetic Average	52.26	0.192		0.192		51.88	0.698		0.024	
Nixon above Ruby										
6/23/2004 2:30:00 PM	72.6	ND (0.428)	U	ND (0.428)	U	72.5	0.2	J	0.06	J
Nixon below Ruby										
6/23/2004 3:00:00 PM	73.1	ND (0.428)	U	ND (0.428)	U	72.3	0.38	J	0.08	J
Nixon Fork@Takotna										
6/28/2004 5:25:00 PM	70.8	ND (0.428)	U	ND (0.428)	U	65.6	0.2	J	0.08	J

Notes: A-01 - Quality control check standard >120% recovery.
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D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Anions, Nutrients, Field Parameters and Other Species* Sulfate (mg/L)	Sulfide (mg/L)	Hardness (mg/L)	Cyanide WAD (mg/L)	TDS (mg/L)	TSS (mg/L)	Settleable Solids (mL/L/hr)
Mystery Creek							
6/22/2004 10:45:00 AM	3.43		35.6	ND (0.0013) U	57	20	
6/28/2004 1:00:00 PM	3.49	ND (0.02) U	32.1	0.0044 J	56	8 J	ND (0.07) I-08, U, D
7/6/2004 9:30:00 PM	3.5	ND (0.02) U	30.9	ND (0.0013) U	53	6 J	
7/14/2004 11:30:00 AM	3.62	ND (0.02) U	29.2	ND (0.0013) U	60	2 J	
10/3/04 5:45 PM	3.99	ND (0.02) U	31.8	ND (0.0013) U	55	3 J	ND (0.049) I-02, U
Minimum Value	3.43	ND (0.02)	29.2	ND (0.0013)	53	2	ND (0.049)
Maximum Value	3.99	ND (0.02)	35.6	0.0044	60	20	ND (0.07)
Aritmetic Average	3.606	ND (0.01)	31.92	0.0014	56.2	7.8	0.0298
Ruby Creek							
6/22/2004 1:30:00 PM	19.3		70.6	0.0015 J	123	ND (1.19) U	
6/28/2004 1:00:00 PM	10.9	ND (0.02) U	54.8	ND (0.0013) U	103	5 J	
7/6/2004 10:00:00 PM	6.37	ND (0.02) U	55	ND (0.0013) U	96	ND (1.19) U	
7/14/2004 1:30:00 PM	3.34	ND (0.02) U	64.2	ND (0.0013) U	126	2 J	
10/3/2004 1630	3.23	ND (0.02) U	59.6	ND (0.0013) U	99	4 J	ND (0.049) I-02, U
Minimum Value	3.23	ND (0.02)	54.8	ND (0.0013)	96	ND (1.19)	ND (0.049)
Maximum Value	19.3	ND (0.02)	70.6	0.0015	126	5	ND (0.049)
Aritmetic Average	8.628	0.0075	60.84	0.00082	109.4	2.44	0.0245
Nixon above Ruby							
6/23/2004 2:30:00 PM	13.5		90.9	ND (0.0013) U	110	3 J	ND (0.098) I-08, U, D
Nixon below Ruby							
6/23/2004 3:00:00 PM	13.9		91.2	ND (0.0013) U	109	6 J	ND (0.075) I-08, U, D
Nixon Fork@Takotna							
6/28/2004 5:25:00 PM	5.95		80.6	ND (0.0013) U	116	9 J	ND (0.049) I-02, U

Notes: A-01 - Quality control check standard >120% recovery.
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I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

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Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	*Total Anions, Nutrients, Field Parameters and Other Species* Turbidity (NTU)		Ammonia-Nitrogen (mg/L)		Nitrate/Nitrite-N (mg/L)		Nitrate-N (mg/L)		Nitrite-N (mg/L)		TKN (mg/L)	
Mystery Creek												
6/22/2004 10:45:00 AM	4.03	I-05	0.0754		0.333	D	0.31	I-02	ND (0.0146)	I-02, U	ND (0.332)	U
6/28/2004 1:00:00 PM	0.604	I-05	ND (0.0076)	U	0.31	D	0.29	I-05	ND (0.0146)	I-05, U	ND (0.332)	U
7/6/2004 9:30:00 PM	1.2		ND (0.0076)	U	0.324	D	0.3		0.03	J	ND (0.332)	U
7/14/2004 11:30:00 AM	0.306		ND (0.0076)	U	0.265	D	0.28	I-02	ND (0.0146)	I-02, U	ND (0.332)	U
10/3/04 5:45 PM	0.407		ND (0.0076)	U	0.399	D	0.39		ND (0.0146)	U	ND (0.332)	U
Minimum Value	0.306		ND (0.0076)		0.265		0.28		ND (0.0146)		ND (0.332)	
Maximum Value	4.03		0.0754		0.399		0.39		0.03		ND (0.332)	
Aritmetic Average	1.3094		0.01812		0.3262		0.314		0.01184		0.166	
Ruby Creek												
6/22/2004 1:30:00 PM	2.72	I-02	0.0954		0.182	D	0.11	I-02	ND (0.0146)	I-02, U	0.52	
6/28/2004 1:00:00 PM	1.68	I-05	0.0575		0.0834		0.19	I-05	ND (0.0146)	I-05, U	0.496	J
7/6/2004 10:00:00 PM	2.33		0.0744		ND (0.00808)	R-05, D, U	0.06	J	ND (0.0146)	U	0.435	J
7/14/2004 1:30:00 PM	2.35		0.126		0.13	R-07, D, J	0.06	I-02, J	ND (0.0146)	I-02, U	0.5	
10/3/2004 1630	3.78		0.0999		0.0478		0.16		ND (0.0146)	U	0.542	
Minimum Value	1.68		0.0575		ND (0.00808)		0.06		ND (0.0146)		0.435	
Maximum Value	3.78		0.126		0.182		0.19		ND (0.0146)		0.542	
Aritmetic Average	2.572		0.09064		0.089448		0.116		0.00365		0.4986	
Nixon above Ruby												
6/23/2004 2:30:00 PM	1.2	I-05	0.0364	J	0.213	D	0.14	I-05	0.02	I-05, J	ND (0.332)	U
Nixon below Ruby												
6/23/2004 3:00:00 PM	1.16	I-05	ND (0.0258)	U	0.194	D	0.14	I-05	ND (0.0146)	I-05, U	ND (0.332)	U
Nixon Fork@Takotna												
6/28/2004 5:25:00 PM	10.8		ND (0.0258)	U	ND (0.0202)	R-05, U, D	0.18		ND (0.0146)	U	ND (0.332)	U

Notes: A-01 - Quality control check standard >120% recovery.
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E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

Surface Water - Total Metals and Major Cation Anions
Nixon Fork Mine, Alaska

Sample Location Sample Date & Time	Orthophosphate-P (mg/L)		Phosphorus (mg/L)		pH (pH units)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (%)	Cation	Anion
Mystery Creek										
6/22/2004 10:45:00 AM	0.00788	I-08, J	0.0322		7.28	4.5	57.7	91.0	1.00	0.80
6/28/2004 1:00:00 PM	ND (0.00141)	I-02, U	0.0052	J	7.3	19.8	155.1		0.63	0.74
7/6/2004 9:30:00 PM	0.0033	J	0.0105	J	7.2	20.1	177.4		0.78	0.75
7/14/2004 11:30:00 AM	0.00847	I-05, J	0.01	J	7.14	11.8	192.4		0.71	0.77
10/3/04 5:45 PM	0.00433	I-02, J	0.0108	J						
Minimum Value	ND (0.00141)		0.0052		7.14	4.5	57.7			
Maximum Value	0.00847		0.0322		7.3	20.1	192.4			
Aritmetic Average	0.004937		0.01374		7.23	14.05	145.65			
Ruby Creek										
6/22/2004 1:30:00 PM	0.00401	I-08, J	ND (0.00474)	U	7.02	21.1	131.2	65.2	1.60	1.36
6/28/2004 1:00:00 PM	ND (0.00141)	I-02, U	0.0048	J	7.45	20	105		1.08	1.05
7/6/2004 10:00:00 PM	ND (0.00141)	U	0.007	J	7.13	21.3	192		1.35	1.16
7/14/2004 1:30:00 PM	0.00506	I-05, J	0.0055	J	7.02	21.7	255		1.56	1.51
10/3/2004 1630	0.00341	I-02, J	0.0086	J						
Minimum Value	ND (0.00141)		ND (0.00474)		7.02	20	105			
Maximum Value	0.00506		0.0086		7.45	21.7	255			
Aritmetic Average	0.002778		0.005654		7.155	21.025	170.8			
Nixon above Ruby										
6/23/2004 2:30:00 PM	ND (0.00141)	I-08, U	0.0076	J	6.42	10.8	152.3	92.8	1.94	1.75
Nixon below Ruby										
6/23/2004 3:00:00 PM	ND (0.00141)	I-08, U	0.0089	J	6.4	10.9	162.8	93.1	1.96	1.77
Nixon Fork@Takotna										
6/28/2004 5:25:00 PM	0.0245	I-02	0.0402						1.85	1.56

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I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND - Analyte not detected above the Method Detection Limit

TABLE
1990 & 2003 SURFACE WATER CHEMICAL RESULTS - TOTAL TRACE METALS
MYSTERY CREEK RESOURCES / NIXON FORK MINES
MCGRATH, ALASKA

Sample Location and Date Sampled	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Bismuth (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Manganese (ug/L)	Mercury (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)
Mystery Creek #2(1)													
10/19/2003	0.649	57.2	6.52	ND (0.0449)	ND (0.0222)	0.863	0.569 (B)	ND (0.0154)	15.3	0.0012	ND (0.16)	ND (0.031)	0.182
Mystery Stream #1(1)													
10/19/2003	0.577	60	6.2	ND (0.0103)	ND (0.00908)	1.1	0.566 (B)	ND (0.0426)	4.75	0.0051	ND (0.16)	ND (0.031)	2.06
Mystery Creek Sta# 8													
7/10/1990	NA	138	NA	NA	NA	NA	NA	NA	0.03	NA	NA	NA	NA
9/20/1990	NA	56	ND (500)	ND (20)	ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)	ND (0.5)	NA	ND (10)
Hidden Creek Sta # 4													
5/29/1990	NA	48	ND (500)	ND (20)	ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)	ND (0.5)	NA	30
5/29/1990	NA	54	ND (500)	ND (20)	ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)	ND (0.5)	NA	20
7/9/1990	NA	49	ND (500)	ND (20)	ND (2)	ND (20)	NA	NA	20			NA	NA
4/9/1990	NA	57	ND (500)	ND (20)	ND (2)	ND (20)	10	ND (20)	ND (20)	ND (0.1)	ND (0.5)	NA	ND (10)
Ruby Creek Sta#10													
5/29/1990	NA	13	ND (500)	ND (20)	ND (2)	ND (20)	250	ND (20)	190	ND (0.1)	ND (0.5)	NA	30.00
7/9/1990	NA	29	ND (500)	ND (20)	ND (2)	ND (20)	NA	NA	70	NA	NA	NA	NA
9/21/1990	NA	12	ND (500)	ND (20)	ND (2)	ND (20)	120	ND (20)	180	ND (0.1)	ND (0.5)	NA	ND (10)
Tailings Pond	3.21	11.3	26.9	ND (1)	ND (0.1)	ND (0.25)	47.5	2.68	26.5	0.00515	ND (0.5)	ND (0.1)	9.74
	2.83	9.1	25.2	ND (1)	ND (0.1)	ND (0.25)	25.1	1.34	12	0.00875	ND (0.5)	ND (0.1)	6.88
	15	15	NA	ND (1)	NA	NA	38	1.8	NA	ND (0.2)	ND (1)	NA	ND (5)
	27	ND (10)		ND (100)			600	ND (10)			3		ND (100)
	23	19	NA	ND (100)	NA	NA	537	ND (10)	NA	ND (0.2)	3	NA	ND (100)
	10	17.6	NA	160	NA	NA	52	ND (10)	NA	0.306	ND (2.5)	NA	333
	10	12	NA	ND (100)	NA	NA	ND (100)	20	NA	ND (0.2)	2	NA	ND (100)
	16	10	NA	ND (100)	NA	NA	ND (100)	ND (10)	NA	ND (0.2)	3	NA	ND (10)
Monitoring Well	ND (3)	10	18		ND (0.1)	2					6		

Notes:

(1) 18 AAC 80.300(b) Primary Maximum Contaminant Levels (MCLs) or National Secondary Drinking Water Standards

(2) Federal standard, which becomes effective January 23, 2006

ug/L = micrograms per liter which is equivalent to part per bilion (ppb)

ND (10) - Not detected at concentrations above Practical Quantitation Limit (PQL) or Method Detection Limit (MDL) shown in parenthesi

(1) Mystery Creek and Mystery Stream samples were both collected from Mystery Creek

TABLE
1990 SURFACE WATER QUALITY
INORGANICS AND FIELD PARAMETERS
MYSTERY CREEK RESOURCES / NIXON FORK MINES
McGRATH, ALASKA

Sample Location and Date Sampled	Field pH	Lab pH	Field Cond. (umhos/cm)	Lab Cond. (umhos/cm)	Air Temp	Water Temp	Field Dissolved Oxygen (mg/L)	Calc. Saturation of DO	% Saturation of DO	Field Alkalinity (mg/L as CaCO3)	Lab Alkalinity (mg/L as CaCO3)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)
Mystery Creek Sta# 8															
5/28/1990	7.4		57		68	41	11.6	12.8	91%	20		0.6			
6/3/1990	6.2		58		59	40	11.8	13	91%	21		0.7			
6/10/1990	7		60		59	40	11.6	13	89%	28		3.1			
6/25/1990	6.8		64		71	39				22		0.9			
6/28/1990	6.8		65		66	39	11.8	12.3	90%	27		0.9			
7/2/1990	7		68		63	41	11.1	12.8	87%	25		2.5			
7/10/1990	7.4	7.1	65	54	61	44	11.1	12.3	90%	23	25	3.4	10	30	27
7/16/1990	7.1		59		78	42	10.7	12.6	85%	26		1.2			
7/23/1990	7.1		64		74	41				27		0.9			
7/30/1990	6.6		69		56	40	11.7	13	90%	23		0.2			
8/6/1990	7		71				11.7			29		1.1			
8/13/1990	7		74		76	40	12.2	13	94%	28		0.9			
8/19/1990	6.7		76		54	40	11	13	85%	27		1.2			
8/27/1990	6.6		68		44	40	10.7	13	82%	23		0.9			
8/30/1990	8		76		45		11			27		1.9			
9/3/1990	6		106		52	40	9.7	13	75%	24		1.5			
9/11/1990	6.3		86		45	40	10.5	13	81%	25		2.3			
9/17/1990	6.6		60				11.3			21		0.9			
9/20/1990	6.6		65	59	44	36	11.8	13.7	86%	21	24	0.8	1.2	96	2.8
9/21/1990		7.3					11.3			21		0.9			
Hidden Creek Sta # 4															
5/27/1990	7.2		70		71	40	11.9	13	92%	27		0.7			
5/29/1990	7.1	7.5	65	75	56	39	11.9	13.2	90%	32	35	0.8	1.2	50	5
6/5/1990	6.8		70		54	39	12.5	13.2	95%	30		2.1			
6/10/1990	7.2		71		60		12			32		0.6			
6/25/1990	7.3		74		65	40	11.8	13	91%	31		0.8			
6/28/1990	7.2		74		62	41	11.9	12.8	93%	34		0.4			
7/2/1990	7.3		76		56	41	11.4	12.8	89%			2.3			
7/9/1990	7.2	7.2	80	65	49	40	12.2	13	94%	32	33	0.5	0.95	64	1
7/16/1990	7.2		72		75	43	11.4	12.5	92%	31		8.6			
7/23/1990	7.3		72		80	41	11.3	12.8	88%	31		3.6			
7/30/1990	7.1		64		50	40	10.9	13	84%	35		4			
8/6/1990	7.2		78		70	40	12.7	13	98%	33		3.1			
8/13/1990	7		79		51	40	11.7	13	90%	32		1.2			
8/19/1990	6.9		90		50	40	12.6	13	97%	31		2			

TABLE
1990 SURFACE WATER QUALITY
INORGANICS AND FIELD PARAMETERS
MYSTERY CREEK RESOURCES / NIXON FORK MINES
McGRATH, ALASKA

Sample Location and Date Sampled	Field pH	Lab pH	Field Cond. (umhos/cm)	Lab Cond. (umhos/cm)	Air Temp	Water Temp	Field Dissolved Oxygen (mg/L)	Calc. Saturation of DO	% Saturation of DO	Field Alkalinity (mg/L as CaCO3)	Lab Alkalinity (mg/L as CaCO3)	Field Turbidity (NTU)	Lab Turbidity (NTU)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)
8/27/1990	6.9		95		46	40	11.4	13	88%	32		1.4			
8/31/1990							12			36		1.3			
9/3/1990			72		51	40	10.5	13	81%	34		1.6			
9/11/1990	6.9		69		43	38	12.9	13.4	97%	32		0.9			
9/17/1990	7		81				12.1			26		0.8			
9/20/1990	7	7.3	75	72	42	38	11.3	13.4	85%	30		1.1	1.3	31	4.4
Ruby Creek Sta#10															
5/29/1990	6.7	7.1	100	103	61	54	8.4	10.7	78%	44		3.5	3.4	78	1
6/29/1990	6.9		142		84	70	2.8	8.5	33%	68		1.2			
7/9/1990	7	7.3	170	131	63	62	6.6	9.6	69%	93		3.9	5.1	148	8
8/30/1990	7.6		125		50		9.9			44		1.8			
9/21/1990	6.9	7.4	100	102	47	39	11.4	13.2	87%	46		2.1	2.4	127	2.8

Notes: umhos/cm = micromhos per centimete
mg/L = milligrams per liter which is equivalent to parts per million (ppm)
NTU = nephelometric turbidity units

Appendix F

Ground Water

Groundwater Quality - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Crystal Mine Pump Test - Dissolved Metals by EPA 200.7, 200.8, and 6020 Aluminum (mg/L)		Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)		Beryllium (mg/L)		Bismuth (mg/L)		Boron (mg/L)	
6/21/2004 5:30:00 PM	0.0445		0.00423	0.0215	0.035	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-02, E-02,	0.017	A-02, E-02
6/22/2004 7:20:00 AM	0.0449		0.00394	0.0225	0.035	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-02, E-02,	0.017	A-02, E-02
6/22/2004 8:00:00 PM	0.0352		0.00376	0.0221	0.034	E-02	ND (0.00022)	E-02, U	0.00001	A-02, E-02,	0.016	A-02, E-02
6/23/2004 8:00:00 AM	0.0202		0.00357	0.022	0.031	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-02, E-02,	0.015	A-02, E-02
6/23/2004 7:00:00 PM	ND (0.01)	U	0.00339	0.0195	0.032	E-02	ND (0.00022)	E-02, U	0.00001	A-02, E-02,	0.014	A-02, E-02
6/24/2004 7:30:00 AM	0.0215		0.0035	0.0218	0.031	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-02, E-02,	0.014	A-02, E-02
6/24/2004 8:30:00 PM	ND (0.01)	U	0.00374	0.0234	0.032	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.015	A-02, E-02
6/25/2004 8:00:00 AM	0.0183	J	0.00378	0.0229	0.032	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.013	A-02, E-02
6/25/2004 7:30:00 PM	0.0156	J	0.00361	0.0236	0.032	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.016	A-02, E-02
6/26/2004 7:45:00 AM	0.0222		0.00349	0.0224	0.031	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.013	A-02, E-02
6/26/2004 8:00:00 PM	0.0242		0.00365	0.023	0.031	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.018	A-02, E-02
6/27/2004 8:30:00 AM	0.0183	J	0.00341	0.0232	0.031	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-01, A-02,	0.016	A-02, E-02
6/27/2004 7:45:00 PM	ND (0.01)	U	0.00346	0.0217	0.031	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-01, A-02,	0.016	A-02, E-02
6/28/2004 8:30:00 AM	0.0197	J	0.00358	0.0233	0.031	E-02	ND (0.00022)	E-02, U	0.00001	A-02, E-02,	0.017	A-02, E-02
6/28/2004 8:30:00 PM	ND (0.01)	U	0.00347	0.0224	0.029	E-02	ND (0.00022)	E-02, U	ND (0.000005)	E-02, A-01,	0.015	A-02, E-02
6/29/2004 10:00:00 AM	ND (0.01)	U	0.00344	0.0237	0.029	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.013	A-02, E-02
6/29/2004 8:00:00 PM	ND (0.01)	U	0.00349	0.0234	0.028	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.017	A-02, E-02
6/30/2004 7:30:00 AM	ND (0.01)	U	0.00345	0.0225	0.028	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-01, A-02,	0.017	A-02, E-02
6/30/2004 8:40:00 PM	ND (0.01)	U	0.00362	0.0226	0.029	E-02	ND (0.00022)	E-02, U	ND (0.000005)	A-01, A-02,	0.018	A-02, E-02
7/1/2004 10:00:00 AM	ND (0.01)	U	0.00339	0.023	0.028	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.018	A-02, E-02
7/1/2004 8:40:00 PM	ND (0.01)	U	0.00333	0.0231	0.028	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.017	A-02, E-02
7/2/2004 10:00:00 AM	ND (0.01)	U	0.00345	0.0232	0.028	E-02	ND (0.00022)	E-02, U	0.00001	A-01, A-02,	0.015	A-02, E-02
Minimum Value	ND (0.01)		0.00333	0.0195	0.028		ND (0.00022)		ND (0.000005)		0.013	
Maximum Value	0.0449		0.00423	0.0237	0.035		ND (0.00022)		0.00001		0.018	
Number of samples	22		22	22	22		22		22		22	
Aritmetic Average	0.0119		0.00358	0.0226	0.031		0.00011		0.00001		0.016	

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Crystal Mine Pump Test - Dissolved Metals by EPA 200.7, 200.8, and 6020 Cadmium (mg/L)		Calcium (mg/L)		Chromium (mg/L)		Copper (mg/L)		Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)		Manganese (mg/L)	
6/21/2004 5:30:00 PM	0.00016		71.5		ND (0.00072)	U	0.00532		0.0322	J	0.00106		15	E-02	0.014	E-02
6/22/2004 7:20:00 AM	0.00008	J	71		ND (0.00072)	U	0.00466		0.029	J	0.0008	J	14		0.013	E-02
6/22/2004 8:00:00 PM	0.00021		69.7		ND (0.00072)	U	0.00452		0.0286	J	0.00068	J	14	E-02	0.012	E-02
6/23/2004 8:00:00 AM	0.00029		70	E-02	ND (0.00072)	U	0.0055	E-(	0.0292	J	0.00048	J	14	E-02	0.014	E-02
6/23/2004 7:00:00 PM	0.00017		74.7		ND (0.00072)	U	0.00453		0.0187	J	0.00058	J	15	E-02	0.011	E-02
6/24/2004 7:30:00 AM	0.00019		74	E-02	ND (0.00072)	U	0.00396		0.0176	J	0.00053	J	15	E-02	0.011	E-02
6/24/2004 8:30:00 PM	0.00012		79.1		0.00093	J	0.00381		0.0223	J	0.00051	J	15	B, E-02	0.011	E-02
6/25/2004 8:00:00 AM	ND (0.000073)	U	78		0.00097	J	0.00338		0.0259	J	0.00044	J	15	B, E-02	0.01	E-02
6/25/2004 7:30:00 PM	0.00008	J	79.9		0.00102		0.00355		0.0203	J	0.00045	J	15	B, E-02	0.0097	E-02, J
6/26/2004 7:45:00 AM	0.00011		78.9		0.00111		0.00372		0.0243	J	0.00038	J	14	B, E-02	0.0096	E-02, J
6/26/2004 8:00:00 PM	ND (0.000073)	U	78.9		0.00111		0.00364		0.034	J	0.00025	J	15	B, E-02	0.011	E-02
6/27/2004 8:30:00 AM	0.00008	J	77.2		0.00103		0.00351		0.0239	J	0.00029	J	15	B, E-02	0.0089	E-02, J
6/27/2004 7:45:00 PM	0.00009	J	77.9		0.00107		0.00349		0.0209	J	0.0003	J	15	B, E-02	0.0095	E-02, J
6/28/2004 8:30:00 AM	ND (0.000073)	U	77.4		0.00106		0.00351		0.0264	J	0.00039	J	15	B, E-02	0.011	E-02
6/28/2004 8:30:00 PM	ND (0.000073)	U	74.7		ND (0.00072)	U	0.00366		0.024	J	0.00026	J	14	E-02	0.0099	E-02, J
/29/2004 10:00:00 AM	ND (0.000073)	U	74.3		ND (0.00072)	U	0.00374		0.0247	J	0.00036	J	14	E-02	0.0098	E-02, J
6/29/2004 8:00:00 PM	ND (0.000073)	U	78.1		0.00073	J	0.00381		0.0258	J	0.0003	J	13	E-02	0.0099	E-02, J
6/30/2004 7:30:00 AM	ND (0.000073)	U	75.6		ND (0.00072)	U	0.0043		0.0172	J	0.00029	J	14	E-02	0.01	E-02
6/30/2004 8:40:00 PM	ND (0.000073)	U	74.6		ND (0.00072)	U	0.00311		0.0145	J	ND (0)	U	14	E-02	0.012	E-02
7/1/2004 10:00:00 AM	ND (0.000073)	U	73.7		ND (0.00072)	U	0.00357		0.0124	J	ND (0)	U	14	E-02	0.01	E-02
7/1/2004 8:40:00 PM	0.00013		74.3		ND (0.00072)	U	0.00348		0.0165	J	0.00027	J	14	E-02	0.01	E-02
7/2/2004 10:00:00 AM	0.00015		76.3		ND (0.00072)	U	0.00381		0.0238	J	0.00029	J	13	E-02	0.011	E-02
Minimum Value	ND (0.000073)		69.7		ND (0.00072)		0.00311		0.0124		0.000224		13		0.0089	
Maximum Value	0.00029		79.9		0.00111		0.0055		0.034		0.00106		15		0.014	
Number of samples	22		22		22		22		22		22		22		22	
Aritmetic Average	0.000089		75.45		0.001		0.00394		0.0233		0.00033		14		0.01083	

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

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Groundwater Quality - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Crystal Mine Pump Test - Dissolved Metals by EPA 200.7, 200.8, and 6020 Mercury (mg/L)		Molybdenum (mg/L)		Nickel (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silicon (mg/L)		Silver (mg/L)		Sodium (mg/L)	
6/21/2004 5:30:00 PM	ND (0.000103)	U	0.0036	E-02, J	0.00482		1.5	E-02	ND (0.00088)	U	4.1	A-02, E-02	ND (0.0000566)	U	2.9	E-02
6/22/2004 7:20:00 AM	ND (0.000103)	U	0.0031	E-02, J	0.00448		1.5	E-02	ND (0.00088)	U	4.1	A-02, E-02	ND (0.0000566)	U	2.8	E-02
6/22/2004 8:00:00 PM	ND (0.000103)	U	0.003	E-02, J	0.00437		1.4	E-02	ND (0.00088)	U	4.2	A-02, E-02	ND (0.0000566)	U	2.8	E-02
6/23/2004 8:00:00 AM	ND (0.000103)	U	0.0028	E-02, J	0.00447		1.4	E-02	ND (0.00088)	U	4.2	A-02, E-02	ND (0.0000566)	U	2.8	E-02
6/23/2004 7:00:00 PM	ND (0.000103)	U	0.0025	E-02, J	0.00382		1.4	E-02	ND (0.00088)	U	4.2	A-02, E-02	ND (0.0000566)	U	2.5	E-02
6/24/2004 7:30:00 AM	ND (0.000103)	U	0.0025	E-02, J	0.00395		1.4	E-02	ND (0.00088)	U	4.2	A-02, E-02	ND (0.0000566)	U	2.6	E-02
6/24/2004 8:30:00 PM	ND (0.000103)	U	0.002	A-01, E-02,	0.00198	J	1.4	E-02	ND (0.00088)	U	3	A-02, B, E-	ND (0.0000566)	U	2.7	E-02
6/25/2004 8:00:00 AM	ND (0.000103)	U	0.0032	A-01, E-02,	0.00151	J	1.4	E-02	ND (0.00088)	U	2.7	A-02, B, E-	ND (0.0000566)	U	2.7	E-02
6/25/2004 7:30:00 PM	ND (0.000103)	U	0.0019	A-01, E-02,	0.0016	J	1.3	E-02	ND (0.00088)	U	3.2	A-02, B, E-	ND (0.0000566)	U	2.7	E-02
6/26/2004 7:45:00 AM	ND (0.000103)	U	0.0021	A-01, E-02,	0.0016	J	1.3	E-02	ND (0.00088)	U	2.8	A-02, B, E-	ND (0.0000566)	U	2.6	E-02
6/26/2004 8:00:00 PM	ND (0.000103)	U	0.0023	A-01, E-02,	0.00175	J	1.4	E-02	ND (0.00088)	U	3.5	A-02, B, E-	ND (0.0000566)	U	3	E-02
6/27/2004 8:30:00 AM	ND (0.000103)	U	0.0017	A-01, E-02,	0.0016	J	1.3	E-02	ND (0.00088)	U	3.3	E-02, A-02,	ND (0.0000566)	U	2.7	E-02
6/27/2004 7:45:00 PM	ND (0.000103)	U	0.0019	A-01, E-02,	0.00176	J	1.3	E-02	ND (0.00088)	U	3	A-02, B, E-	ND (0.0000566)	U	2.5	E-02
6/28/2004 8:30:00 AM	ND (0.000103)	U	0.002	E-02, J	0.00167	J	1.3	E-02	ND (0.00088)	U	3.5	A-02, B, E-	ND (0.0000566)	U	2.5	E-02
6/28/2004 8:30:00 PM	ND (0.000103)	U	0.0028	A-01, E-02,	0.00413		1.2	E-02	ND (0.00088)	U	3.1	A-02, E-02	ND (0.0000566)	U	2.5	E-02
/29/2004 10:00:00 AM	ND (0.000103)	U	0.0022	A-01, E-02,	0.00424		1.2	E-02	ND (0.00088)	U	3	A-02, E-02	ND (0.0000566)	U	2.4	E-02
6/29/2004 8:00:00 PM	ND (0.000103)	U	0.0021	A-01, E-02,	0.00407		1.2	E-02	ND (0.00088)	U	3.2	A-02, E-02	ND (0.0000566)	U	2.4	E-02
6/30/2004 7:30:00 AM	ND (0.000103)	U	0.0017	A-01, E-02,	0.004		1.2	E-02	ND (0.00088)	U	3.2	E-02, A-02	ND (0.0000566)	U	2.3	E-02
6/30/2004 8:40:00 PM	ND (0.000103)	U	0.0027	A-01, E-02,	0.00422		1.2	E-02	ND (0.00088)	U	3.6	A-02, E-02	ND (0.0000566)	U	2.3	E-02
7/1/2004 10:00:00 AM	ND (0.000103)	U	0.002	A-01, E-02,	0.00407		1.2	E-02	ND (0.00088)	U	3.6	A-02, E-02	ND (0.0000566)	U	2.4	E-02
7/1/2004 8:40:00 PM	ND (0.000103)	U	0.0021	A-01, E-02,	0.00392		1.2	E-02	ND (0.00088)	U	3.3	A-02, E-02	ND (0.0000566)	U	2.4	E-02
7/2/2004 10:00:00 AM	ND (0.000103)	U	0.002	A-01, E-02,	0.00401		1.2	E-02	ND (0.00088)	U	2.9	E-02, A-02	ND (0.0000566)	U	2.3	E-02
Minimum Value	ND (0.000103)		0.0017		0.00151		1.2		ND (0.00088)		2.7		ND (0.0000566)		2.3	
Maximum Value	ND (0.000103)		0.0036		0.00482		1.5		ND (0.00088)		4.2		ND (0.0000566)		3	
Number of samples	22		22		22		22		22		22		22		22	
Aritmetic Average	0.000052		0.00237		0.00327		1.31		0.00044		3.45		0.00003		2.58	

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Dissolved Metals
Nixon Fork Mine

Sample Location Sample Date & Time	Crystal Mine Pump Test - Dissolved Metals by EPA 200.7, 200.8, and 6020 Thallium (mg/L)		Tin (mg/L)		Titanium (mg/L)		Uranium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	Hardness (mg/L)
6/21/2004 5:30:00 PM	0.00014	E-02, J	ND (0.001)	E-02, U	0.0019	A-01, E-02,	0.0039	A-02, E-02,	ND (0.0004)	E-02, U	0.0366	240
6/22/2004 7:20:00 AM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0025	A-01, E-02,	0.004	A-02, E-02,	0.00051	E-02, J	0.0353	205
6/22/2004 8:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0019	A-01, E-02,	0.0038	A-02, E-02,	0.00038	E-02, J	0.0352	203
6/23/2004 8:00:00 AM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.002	A-01, E-02,	0.0038	A-02, E-02,	ND (0.0004)	E-02, U	0.0363	224
6/23/2004 7:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0019	A-01, E-02,	0.0036	E-02, A-02,	0.00047	E-02, J	0.0297	222
6/24/2004 7:30:00 AM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.002	E-02, A-01,	0.0037	A-02, E-02,	ND (0.0004)	E-02, U	0.0305	236
6/24/2004 8:30:00 PM	0.00008	E-02, J	ND (0.001)	A-01, E-02,	0.0011	E-02, J	0.0034	A-01, A-02,	ND (0.0004)	E-02, U	0.0324	255
6/25/2004 8:00:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0013	E-02, J	0.0053	A-01, A-02,	ND (0.0004)	E-02, U	0.0298	250
6/25/2004 7:30:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.001	E-02, J	0.0035	E-02, A-01,	ND (0.0004)	E-02, U	0.0305	254
6/26/2004 7:45:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.00095	E-02, J	0.0036	A-01, A-02,	ND (0.0004)	E-02, U	0.0278	256
6/26/2004 8:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0013	E-02, J	0.0041	A-01, A-02,	ND (0.0004)	E-02, U	0.0286	257
6/27/2004 8:30:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0013	E-02, J	0.0033	A-01, A-02,	ND (0.0004)	E-02, U	0.0286	257
6/27/2004 7:45:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0011	E-02, J	0.0036	A-01, A-02,	ND (0.0004)	E-02, U	0.0278	257
6/28/2004 8:30:00 AM	0.00011	E-02, J	ND (0.001)	E-02, U	0.0012	E-02, J	0.0036	A-02, E-02,	ND (0.0004)	E-02, U	0.0279	251
6/28/2004 8:30:00 PM	0.00011	E-02, J	ND (0.001)	A-01, E-02,	0.0012	E-02, J	0.0045	A-01, A-02,	ND (0.0004)	E-02, U	0.0248	259
6/29/2004 10:00:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.00099	E-02, J	0.0041	A-01, A-02,	0.00036	E-02, J	0.0288	254
6/29/2004 8:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0011	E-02, J	0.0042	A-01, A-02,	ND (0.0004)	E-02, U	0.0267	257
6/30/2004 7:30:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0012	E-02, J	0.0033	A-01, A-02,	ND (0.0004)	E-02, U	0.0271	257
6/30/2004 8:40:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0014	E-02, J	0.0052	A-01, A-02,	ND (0.0004)	E-02, U	0.026	253
7/1/2004 10:00:00 AM	0.00008	E-02, J	ND (0.001)	A-01, E-02,	0.0012	E-02, J	0.004	A-01, A-02,	ND (0.0004)	E-02, U	0.0314	247
7/1/2004 8:40:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0013	E-02, J	0.0039	A-01, A-02,	ND (0.0004)	E-02, U	0.0274	259
7/2/2004 10:00:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02,	0.0012	E-02, J	0.0037	A-01, A-02,	ND (0.0004)	E-02, U	0.0272	248
Minimum Value	ND (0.000066)		ND (0.001)		0.00095		0.0033		0.00035		0.0248	203
Maximum Value	0.00014		ND (0.001)		0.0025		0.0053		0.00051		0.0366	259
Number of samples	22		22		22		22		22		22	22
Aritmetic Average	0.00005		0.00048		0.0014		0.0039		0.00022		0.0298	245.5

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Crystal Mine Pump Test - Total Metals by EPA 200.7, 200.8, and 6020

Sample Location Sample Date & Time	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)		Beryllium (mg/L)		Bismuth (mg/L)		Boron (mg/L)		Cadmium (mg/L)	
6/21/2004 5:30:00 PM	0.18	0.00428	0.0232	0.034	E-02	ND (0.00022)	E-02, U	0.0001	A-02, E-02, J	0.032	A-02, E-02	ND (0.000073)	U
6/22/2004 7:20:00 AM	0.139	0.00392	0.0234	0.034	E-02	ND (0.00022)	E-02, U	0.00005	A-02, E-02, J	0.021	A-02, E-02	0.00022	
6/22/2004 8:00:00 PM	0.0813	0.00338	0.022	0.031	E-02	ND (0.00022)	E-02, U	0.00009	A-02, E-02, J	0.02	A-02, E-02	ND (0.000073)	U
6/23/2004 8:00:00 AM	0.116	0.00386	0.0238	0.034	E-02	ND (0.00022)	E-02, U	0.00008	A-02, E-02, J	0.022	A-02, E-02	0.0001	
6/23/2004 7:00:00 PM	0.0568	0.00335	0.0198	0.032	E-02	ND (0.00022)	E-02, U	0.00004	A-02, E-02, J	0.016	A-02, E-02	ND (0.000073)	U
6/24/2004 7:30:00 AM	0.0698	0.00335	0.0216	0.033	E-02	ND (0.00022)	E-02, U	0.00002	A-02, E-02, J	0.018	A-02, E-02	0.00019	
6/24/2004 8:30:00 PM	0.0607	0.00333	0.0232	0.031	E-02	ND (0.00022)	E-02, U	0.00003	A-01, A-02, E-	0.015	A-02, E-02	ND (0.000073)	U
6/25/2004 8:00:00 AM	0.103	0.00316	0.0238	0.031	E-02	ND (0.00022)	E-02, U	0.00004	A-01, A-02, E-	0.017	A-02, E-02	0.0001	
6/25/2004 7:30:00 PM	0.0706	0.00303	0.0239	0.03	E-02	ND (0.00022)	E-02, U	0.00004	E-02, A-01, A-	0.017	A-02, E-02	ND (0.000073)	U
6/26/2004 7:45:00 AM	0.0823	0.00324	0.0231	0.03	E-02	ND (0.00022)	E-02, U	0.00003	A-01, A-02, E-	0.019	A-02, E-02	ND (0.000073)	U
6/26/2004 8:00:00 PM	0.222	0.00325	0.025	0.033	E-02	ND (0.00022)	E-02, U	0.00007	A-01, A-02, E-	0.016	A-02, E-02	0.00009	J
6/27/2004 8:30:00 AM	0.0848	0.0038	0.0239	0.034	E-02	ND (0.00022)	E-02, U	0.00003	A-01, A-02, E-	0.02	A-02, E-02	0.00023	
6/27/2004 7:45:00 PM	0.0561	0.00384	0.0237	0.034	E-02	ND (0.00022)	E-02, U	0.00003	A-01, A-02, E-	0.02	A-02, E-02	0.00011	
6/28/2004 8:30:00 AM	0.086	0.00387	0.0234	0.034	E-02	ND (0.00022)	E-02, U	0.00004	A-01, A-02, E-	0.018	A-02, E-02	0.00012	
6/28/2004 8:30:00 PM	0.0683	0.00346	0.0226	0.034	E-02	ND (0.00022)	E-02, U	0.00003	A-02, E-02, J	0.012	A-02, E-02	ND (0.000073)	U
6/29/2004 10:00:00 AM	0.0365	0.00346	0.0238	0.034	E-02	ND (0.00022)	E-02, U	0.00001	A-02, E-02, J	0.013	A-02, E-02	ND (0.000073)	U
6/29/2004 8:00:00 PM	0.0929	0.00359	0.0239	0.036	E-02	ND (0.00022)	E-02, U	0.00003	A-02, E-02, J	0.012	A-02, E-02	ND (0.000073)	U
6/30/2004 7:30:00 AM	0.049	0.00337	0.0237	0.036	E-02	ND (0.00022)	E-02, U	0.00002	A-02, E-02, J	0.012	A-02, E-02	ND (0.000073)	U
6/30/2004 8:40:00 PM	0.122	0.00359	0.0247	0.036	E-02	ND (0.00022)	E-02, U	0.00002	A-02, E-02, J	0.014	A-02, E-02	ND (0.000073)	U
7/1/2004 10:00:00 AM	0.0664	0.00318	0.0231	0.036	E-02	ND (0.00022)	E-02, U	0.00003	A-02, E-02, J	0.012	A-02, E-02	ND (0.000073)	U
7/1/2004 8:40:00 PM	0.0604	0.00362	0.0249	0.037	E-02	ND (0.00022)	E-02, U	0.00001	A-02, E-02, J	0.013	A-02, E-02	ND (0.000073)	U
7/2/2004 10:00:00 AM	0.076	0.00358	0.0246	0.035	E-02	ND (0.00022)	E-02, U	0.00001	A-02, E-02, J	0.012	A-02, E-02	ND (0.000073)	U
Minimum Value	0.0365	0.00303	0.0198	0.03		ND (0.00022)		0.00001		0.012		ND (0.000073)	
Maximum Value	0.222	0.00428	0.025	0.037		ND (0.00022)		0.0001		0.032		0.00023	
Number of samples	22	22	22	22		22		22		22		22	
Aritmetic Average	0.0900	0.00352	0.0234	0.034		0.00022		0.00004		0.017		0.000076	

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Crystal Mine Pump Test - Total Metals by EPA 200.7, 200.8, and 6020

Sample Location Sample Date & Time	Calcium (mg/L)		Chromium (mg/L)		Copper (mg/L)	Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)		Manganese (mg/L)		Mercury (mg/L)	
6/21/2004 5:30:00 PM	72.5		ND (0.0007)	U	0.00836	0.151		0.00248		14	A-01, E-02	0.014	E-02	ND (0.000103)	U
6/22/2004 7:20:00 AM	61.9		ND (0.0007)	U	0.00713	0.0992	J	0.0018		12.3		0.013	E-02	ND (0.000103)	U
6/22/2004 8:00:00 PM	61.1		ND (0.0007)	U	0.0135	0.104		0.00124		13	A-01, E-02	0.013	E-02	ND (0.000103)	U
6/23/2004 8:00:00 AM	67.6		ND (0.0007)	U	0.00864	0.14		0.00152		15	A-01, E-02	0.014	E-02	ND (0.000103)	U
6/23/2004 7:00:00 PM	67		ND (0.0007)	U	0.00688	0.0535	J	0.00103		15	A-01, E-02	0.0091	E-02, J	ND (0.000103)	U
6/24/2004 7:30:00 AM	85	E-02	ND (0.0007)	U	0.00507	0.0494	J	0.00094	J	15	A-01, E-02	0.009	E-02, J	ND (0.000103)	U
6/24/2004 8:30:00 PM	76.1		0.00114		0.00668	0.0864	J	0.00103		14	E-02	0.0095	E-02, J	ND (0.000103)	U
6/25/2004 8:00:00 AM	74		0.00108		0.00593	0.0933	J	0.00089	J	14	E-02	0.01	E-02	ND (0.000103)	U
6/25/2004 7:30:00 PM	75.5		0.00142		0.00552	0.0805	J	0.00088	J	14	E-02	0.009	E-02, J	ND (0.000103)	U
6/26/2004 7:45:00 AM	76.4		0.00086	J	0.00529	0.0789	J	0.00081	J	14	E-02	0.0085	E-02, J	ND (0.000103)	U
6/26/2004 8:00:00 PM	76.5		0.00118		0.00708	0.265		0.00169		14	E-02	0.014	E-02	ND (0.000103)	U
6/27/2004 8:30:00 AM	76.3		0.00098	J	0.00629	0.109		0.00131		7.1	E-02	0.0095	E-02, J	ND (0.000103)	U
6/27/2004 7:45:00 PM	76.2		0.00093	J	0.00479	0.0725	J	0.00086	J	7.1	E-02	0.0088	E-02, J	ND (0.000103)	U
6/28/2004 8:30:00 AM	74.6		0.00079	J	0.00465	0.0786	J	0.0009	J	7.2	E-02	0.01	E-02	ND (0.000103)	U
6/28/2004 8:30:00 PM	76.8		ND (0.0007)	U	0.00527	0.0924	J	0.00067	J	15	E-02	0.0097	E-02, J	ND (0.000103)	U
6/29/2004 10:00:00 AM	75.7		0.00085	J	0.00495	0.0624	J	0.00071	J	15	E-02	0.0088	E-02, J	ND (0.000103)	U
6/29/2004 8:00:00 PM	76.4		0.00072	U	0.00568	0.0949	J	0.00074	J	15	E-02	0.0094	E-02, J	ND (0.000103)	U
6/30/2004 7:30:00 AM	76.5		0.0009	J	0.00591	0.0573	J	0.00068	J	15	E-02	0.0092	E-02, J	ND (0.000103)	U
6/30/2004 8:40:00 PM	75.2		0.00085	J	0.00553	0.157		0.00091	J	15	E-02	0.012	E-02	ND (0.000103)	U
7/1/2004 10:00:00 AM	73.4		ND (0.0007)	U	0.00483	0.0668	J	0.0007	J	15	E-02	0.0082	E-02, J	ND (0.000103)	U
7/1/2004 8:40:00 PM	77.1		0.00073	J	0.00482	0.0609	J	0.00062	J	16	E-02	0.0083	E-02, J	ND (0.000103)	U
7/2/2004 10:00:00 AM	73.7		0.00084	J	0.00534	0.0676	J	0.00068	J	15	E-02	0.0088	E-02, J	ND (0.000103)	U
Minimum Value	61.1		ND (0.0007)		0.00465	0.0494		0.00062		7.1		0.0082		ND (0.000103)	
Maximum Value	85		0.00142		0.0135	0.265		0.00248		16		0.014		ND (0.000103)	
Number of samples	22		22		22	22		22		22		22		22	
Aritmetic Average	73.89		0.001		0.00628	0.0964		0.00105		13		0.01026		0.000103	

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Crystal Mine Pump Test - Total Metals by EPA 200.7, 200.8, and 6020

Sample Location Sample Date & Time	Molybdenum (mg/L)		Nickel (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silicon (mg/L)		Silver (mg/L)		Sodium (mg/L)	
6/21/2004 5:30:00 PM	0.0044	E-02, J	0.00329		1.5	E-02	0.00206		5.2	A-02, E-02	0.00013	J	3.2	E-02
6/22/2004 7:20:00 AM	0.0028	E-02, J	0.0032		1.6	E-02	ND (0.00088)	U	3.6	A-02, E-02	0.00007	J	3.1	E-02
6/22/2004 8:00:00 PM	0.0027	E-02, J	0.00335		1.3	E-02	ND (0.00088)	U	3.7	A-02, E-02	0.00008	J	2.9	E-02
6/23/2004 8:00:00 AM	0.0029	A-01, E-02, J	0.00357		1.5	E-02	0.00183		3.4	A-02, E-02	0.0001	J	3	E-02
6/23/2004 7:00:00 PM	0.0023	A-01, E-02, J	0.0031		1.4	E-02	ND (0.00088)	U	3.2	A-02, E-02	0.00006	J	2.8	E-02
6/24/2004 7:30:00 AM	0.0022	A-01, E-02, J	0.00316		1.4	E-02	ND (0.00088)	U	3.2	A-02, E-02	0.00006	J	2.8	E-02
6/24/2004 8:30:00 PM	0.002	A-01, E-02, J	0.00197	J	1.3	E-02	ND (0.00088)	U	2.9	A-02, E-02	0.00009	J	2.6	B, E-02
6/25/2004 8:00:00 AM	0.0023	A-01, E-02, J	0.00223		1.4	E-02	ND (0.00088)	U	3.4	A-02, E-02	0.00007	J	2.6	B, E-02
6/25/2004 7:30:00 PM	0.0027	A-01, E-02, J	0.00201		1.3	E-02	ND (0.00088)	U	3.2	A-02, E-02	0.00008	J	2.5	B, E-02
6/26/2004 7:45:00 AM	0.0029	A-01, E-02, J	0.00186	J	1.3	E-02	ND (0.00088)	U	3.7	A-02, E-02	ND (0.0000566)	U	2.6	B, E-02
6/26/2004 8:00:00 PM	0.0022	A-01, E-02, J	0.00206		1.4	E-02	ND (0.00088)	U	3.4	A-02, E-02	0.0001	J	3	B, E-02
6/27/2004 8:30:00 AM	0.0024	A-01, E-02, J	0.00207		0.64	E-02	ND (0.00088)	U	4.1	A-02, E-02	0.00023	J	1.2	B, E-02
6/27/2004 7:45:00 PM	0.0024	A-01, E-02, J	0.00209		0.63	E-02	0.00096	J	4	A-02, E-02	0.00019	J	1.2	B, E-02
6/28/2004 8:30:00 AM	0.0032	A-01, E-02, J	0.00184	J	0.68	E-02	ND (0.00088)	U	3.7	A-02, E-02	0.00006	J	1.2	B, E-02
6/28/2004 8:30:00 PM	0.0026	E-02, J	0.00374		1.3	E-02	0.00094	J	4.9	A-02, E-02	ND (0.0000566)	U	2.5	E-02
6/29/2004 10:00:00 AM	0.0025	E-02, J	0.00392		1.3	E-02	0.0012		5.1	A-02, E-02	ND (0.0000566)	U	2.4	E-02
6/29/2004 8:00:00 PM	0.0026	E-02, J	0.00401		1.4	E-02	0.000876	U	5.3	A-02, E-02	ND (0.0000566)	U	2.5	E-02
6/30/2004 7:30:00 AM	0.0023	E-02, J	0.00417		1.4	E-02	ND (0.00088)	U	5.1	E-02, A-02	ND (0.0000566)	U	2.5	E-02
6/30/2004 8:40:00 PM	0.0022	E-02, J	0.00405		1.4	E-02	ND (0.00088)	U	5.2	A-02, E-02	ND (0.0000566)	U	2.4	E-02
7/1/2004 10:00:00 AM	0.002	E-02, J	0.0039		1.3	E-02	ND (0.00088)	U	5.1	A-02, E-02	ND (0.0000566)	U	2.4	E-02
7/1/2004 8:40:00 PM	0.0023	E-02, J	0.00393		1.4	E-02	0.00143		5.3	A-02, E-02	0.00008	J	2.7	E-02
7/2/2004 10:00:00 AM	0.0021	E-02, J	0.00405		1.4	E-02	ND (0.00088)	U	5	E-02, A-02	0.00007	J	2.4	E-02
Minimum Value	0.002		0.00184		0.63		ND (0.00088)		2.9		ND (0.0000566)		1.2	
Maximum Value	0.0044		0.00417		1.6		0.00206		5.3		0.00023		3.2	
Number of samples	22		22		22		22		22		22		22	
Aritmetic Average	0.00255		0.00307		1.28		0.00063		4.17		0.00008		2.48	

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Sample Location Sample Date & Time	*Crystal Mine Pump Test - Total Metals by EPA 200.7, 200.8, and 6020* Thallium (mg/L)		Tin (mg/L)		Titanium (mg/L)		Uranium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)
6/21/2004 5:30:00 PM	0.00016	E-02, J	ND (0.001)	E-02, U	0.0089	E-02, J	0.0058	A-02, E-02	0.00048	E-02, J	0.0328
6/22/2004 7:20:00 AM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0054	E-02, J	0.0043	A-02, E-02, J	ND (0.0004)	E-02, U	0.0344
6/22/2004 8:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0042	E-02, J	0.0042	A-02, E-02, J	ND (0.0004)	E-02, U	0.035
6/23/2004 8:00:00 AM	0.00016	E-02, J	ND (0.001)	A-01, E-02, U	0.0057	E-02, J	0.0044	A-02, E-02, J	0.00053	E-02, J	0.0337
6/23/2004 7:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.0022	E-02, J	0.0038	A-02, E-02, J	ND (0.0004)	E-02, U	0.0292
6/24/2004 7:30:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.0021	E-02, J	0.0037	A-02, E-02, J	ND (0.0004)	E-02, U	0.0285
6/24/2004 8:30:00 PM	0.00009	E-02, J	ND (0.001)	A-01, E-02, U	0.0023	A-01, E-02, J	0.0036	A-01, A-02, E-	0.00036	E-02, J	0.0333
6/25/2004 8:00:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.003	A-01, E-02, J	0.0038	A-01, A-02, E-	ND (0.0004)	E-02, U	0.0318
6/25/2004 7:30:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.0022	A-01, E-02, J	0.0049	A-01, A-02, E-	0.00036	E-02, J	0.0317
6/26/2004 7:45:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.0027	A-01, E-02, J	0.0048	A-01, A-02, E-	ND (0.0004)	E-02, U	0.0304
6/26/2004 8:00:00 PM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.008	A-01, E-02, J	0.0039	A-01, A-02, E-	0.00054	E-02, J	0.031
6/27/2004 8:30:00 AM	0.00014	E-02, J	ND (0.001)	A-01, E-02, U	0.0038	A-01, E-02, J	0.0045	A-01, A-02, E-	0.00064	E-02, J	0.0316
6/27/2004 7:45:00 PM	0.00012	E-02, J	ND (0.001)	A-01, E-02, U	0.0026	A-01, E-02, J	0.004	A-01, A-02, E-	0.00054	E-02, J	0.0276
6/28/2004 8:30:00 AM	ND (0.000066)	E-02, U	ND (0.001)	A-01, E-02, U	0.0032	A-01, E-02, J	0.0055	A-01, A-02, E-	0.00053	E-02, J	0.0299
6/28/2004 8:30:00 PM	0.00012	E-02, J	ND (0.001)	E-02, U	0.0033	A-01, E-02, J	0.0037	A-02, E-02, J	0.00056	E-02, J	0.0246
6/29/2004 10:00:00 AM	0.00013	E-02, J	ND (0.001)	E-02, U	0.0025	A-01, E-02, J	0.0038	A-02, E-02, J	0.00051	E-02, J	0.0292
6/29/2004 8:00:00 PM	0.00015	E-02, J	ND (0.001)	E-02, U	0.0047	A-01, E-02, J	0.0039	A-02, E-02, J	0.00057	E-02, J	0.0279
6/30/2004 7:30:00 AM	0.00009	E-02, J	ND (0.001)	E-02, U	0.0026	A-01, E-02, J	0.0039	A-02, E-02, J	0.00041	E-02, J	0.0279
6/30/2004 8:40:00 PM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0058	A-01, E-02, J	0.0038	A-02, E-02, J	0.0006	E-02, J	0.0287
7/1/2004 10:00:00 AM	ND (0.000066)	E-02, U	ND (0.001)	E-02, U	0.0044	A-01, E-02, J	0.0037	A-02, E-02, J	0.00056	E-02, J	0.0289
7/1/2004 8:40:00 PM	0.0001	E-02, J	ND (0.001)	E-02, U	0.0032	A-01, E-02, J	0.0038	A-02, E-02, J	0.00085	E-02, J	0.0284
7/2/2004 10:00:00 AM	0.00007	E-02, J	ND (0.001)	E-02, U	0.0028	A-01, E-02, J	0.0036	A-02, E-02, J	0.00044	E-02, J	0.0289
Minimum Value	ND (0.000066)		ND (0.001)		0.0021		0.0036		0.00035		0.0246
Maximum Value	0.00016		ND (0.001)		0.0089		0.0058		0.00085		0.035
Number of samples	22		22		22		22		22		22
Aritmetic Average	0.00008		0.000960		0.0039		0.0042		0.00041		0.0302

Notes: A-01 - Quality control check standard >120% recovery.

A-02 - Analyte not contained in LCS standard.

D - Data reported from a preparation or analytical dilution.

E-02 - Estimated Value. Data does not meet strict QC controls.

I-08 - Analysis requested after recommended hold time had expired.

J - Estimated value since result is between the PQL and MDL.

U - Analyte included in the analysis but not detected.

B - Analyte detected in method blank.

Arithmetic average is calculated using half the reported Method Detection Limit.

ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Crystal Mine Pump Test - Anions, Nutrients, Field Parameters and Other Species

Sample Location Sample Date & Time	Bicarbonate Alkalinity (mg/L) as CaCO3	Carbonate Alkalinity (mg/L) as CaCO3		Hydroxide Alkalinity (mg/L) as CaCO3		Total Alkalinity (mg/L) as CaCO3	Chloride (mg/L)	Fluoride (mg/L)		Sulfate (mg/L)
6/21/2004 5:30:00 PM	192	ND (0.208)	U	ND (0.208)	U	194	1.3	0.09	J	21.6
6/22/2004 7:20:00 AM	194	ND (0.208)	U	ND (0.208)	U	193	1.23	0.08	J	19
6/22/2004 8:00:00 PM	198	ND (0.208)	U	ND (0.208)	U	196	1.16	0.09	J	17.9
6/23/2004 8:00:00 AM	198	ND (0.208)	U	ND (0.208)	U	195	1.14	0.08	J	16.6
6/23/2004 7:00:00 PM	205	ND (0.428)	U	ND (0.428)	U	201	1.08	0.08	J	16.1
6/24/2004 7:30:00 AM	204	ND (0.428)	U	ND (0.428)	U	201	1.07	0.09	J	15.7
6/24/2004 8:30:00 PM	203	ND (0.428)	U	ND (0.428)	U	201	1.06	0.06	J	15
6/25/2004 8:00:00 AM	202	ND (0.428)	U	ND (0.428)	U	200	1.02	0.09	J	14.6
6/25/2004 7:30:00 PM	208	ND (0.428)	U	ND (0.428)	U	201	0.99	0.08	J	13.5
6/26/2004 7:45:00 AM	206	ND (0.428)	U	ND (0.428)	U	204	0.98	0.06	J	14
6/26/2004 8:00:00 PM	207	ND (0.428)	U	ND (0.428)	U	200	0.97	0.07	J	14
6/27/2004 8:30:00 AM	210	ND (0.428)	U	ND (0.428)	U	203	0.94	0.09	J	13.4
6/27/2004 7:45:00 PM	207	ND (0.428)	U	ND (0.428)	U	203	0.94	0.07	J	13.5
6/28/2004 8:30:00 AM	207	ND (0.428)	U	ND (0.428)	U	202	0.93	0.08	J	13.3
6/28/2004 8:30:00 PM	216	ND (0.428)	U	ND (0.428)	U	216	0.91	0.1	J	13.8
6/29/2004 10:00:00 AM	217	ND (0.428)	U	ND (0.428)	U	217	0.9	0.08	J	13.4
6/29/2004 8:00:00 PM	216	ND (0.428)	U	ND (0.428)	U	216	0.91	0.09	J	13.9
6/30/2004 7:30:00 AM	215	ND (0.428)	U	ND (0.428)	U	215	0.89	0.1	J	14.1
6/30/2004 8:40:00 PM	213	ND (0.428)	U	ND (0.428)	U	213	0.89	0.08	J	14
7/1/2004 10:00:00 AM	218	ND (0.428)	U	ND (0.428)	U	210	0.9	0.08	J	13
7/1/2004 8:40:00 PM	218	ND (0.428)	U	ND (0.428)	U	218	0.88	0.11	J	13.3
7/2/2004 10:00:00 AM	214	ND (0.428)	U	ND (0.428)	U	214	0.87	0.08	J	13.2
Minimum Value	192	ND (0.208)		ND (0.208)		193	0.87	0.06		13
Maximum Value	218	ND (0.428)		ND (0.428)		218	1.3	0.11		21.6
Number of samples	22	22		22		22	22	22		22
Aritmetic Average	207.6	0.3880		0.3880		205.1	1.00	0.08		14.86

Notes:
A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Sample Location Sample Date & Time	Crystal Mine Pump Test - Anions, Nutrients, Field Parameters and Other Species: Sulfide (mg/L)	Hardness (mg/L)	Cyanide WAD (mg/L)	TDS (mg/L)	TSS (mg/L)	Settleable Solids (mL/L/hr)	Turbidity (NTU)	Ammonia - Nitrogen (mg/L)	Nitrate Nitrite-N (mg/L)
6/21/2004 5:30:00 PM		240	0.0027 J	294	8 J	ND (0.1) I-08, U, D	11.6	0.102	7.18 D
6/22/2004 7:20:00 AM		205	0.0016 J	296	8 J	ND (0.07) I-08, U, D	6.91	0.079	6.4 D
6/22/2004 8:00:00 PM		203	0.0014 J	285	9 J	ND (0.11) I-08, U, D	4.97	0.0902	6.19 D
6/23/2004 8:00:00 AM		224	0.0018 J	283	5 J	ND (0.07) I-08, U, D	4.25	0.0576	6.44 D
6/23/2004 7:00:00 PM		222	ND (0) U	289	2 J	ND (0.07) I-08, U, D	1.99 I-05	0.0319 J	6.48 D
6/24/2004 7:30:00 AM		236	ND (0) U	291	2 J	ND (0.08) I-08, U, D	1.11 I-05	0.037 J	6.31 D
6/24/2004 8:30:00 PM		255	ND (0) U	276	4 J	ND (0.14) I-08, U, D	2.93 I-05	0.0456 J	6.44 D
6/25/2004 8:00:00 AM		250	ND (0) U	278	ND (1.19) U	ND (0.07) I-08, U, D	2.78 I-05	ND (0.0258) U	5.18 D
6/25/2004 7:30:00 PM		254	ND (0) U	284	3 J	ND (0.08) I-08, U, D	2.43 I-05	ND (0.0258) U	5.22 D
6/26/2004 7:45:00 AM		256	ND (0) U	282	3 J	ND (0.07) I-08, U, D	1.5 I-05	ND (0.0258) U	5.17 D
6/26/2004 8:00:00 PM		257	ND (0) U	289	16	ND (0.07) I-08, U, D	6.69 I-05	0.058	4.9 D
6/27/2004 8:30:00 AM		257	ND (0) U	282	4 J	ND (0.07) I-08, U, D	2.99 I-05	0.0372 J	5.06 D
6/27/2004 7:45:00 PM		257	ND (0) U	283	5 J	ND (0.07) I-08, U, D	2.17 I-05	0.033 J	5.08 D
6/28/2004 8:30:00 AM	ND (0.02) U	251	ND (0) U	283	2 J		3.02 I-05	0.0209 J	5.68 D
6/28/2004 8:30:00 PM		259	ND (0) U	273 I-05	5 J		2.47 I-05	0.0258 J	4.88 D
6/29/2004 10:00:00 AM		254	ND (0) U	275	2 J		1.34 I-05	0.051	4.36 D
6/29/2004 8:00:00 PM		257	ND (0) U	277	4 J		2.58 I-05	0.0233 J	4.34 D
6/30/2004 7:30:00 AM	ND (0.02) U	257	ND (0) U	272	2 J		1.55 I-05	0.0202 J	4.39 D
6/30/2004 8:40:00 PM	ND (0.02) U	253	ND (0) U	275	8 J		4.33 I-05	0.023 J	4.3 D
7/1/2004 10:00:00 AM	ND (0.02) U	247	ND (0) U	278	3 J		1.14 I-05	0.0284 J	4.17 D
7/1/2004 8:40:00 PM	ND (0.02) U	259	ND (0) U	283	5 J		1.74 I-05	0.0138 J	4.32 D
7/2/2004 10:00:00 AM	ND (0.02) U	248	ND (0) U	272	4 J		2.14 I-05	0.0263 J	4.1 D
Minimum Value	ND (0.02)	203	ND (0)	272		ND (0.07)	1.11	ND (0.0138)	4.1
Maximum Value	ND (0.02)	259	0.0027	296		ND (0.14)	11.6	0.102	7.18
Number of samples	6	22	22	22		13	22	22	22
Aritmetic Average	0.008	245.5	0.0009	281.8		0.000	3.30	0.038	5.30

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

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Groundwater Quality - Total Metals and Cations Anions
Nixon Fork Mine

Crystal Mine Pump Test - Anions, Nutrients, Field Parameters and Other Species

Sample Location Sample Date & Time	Nitrate-N (mg/L)		Nitrite-N (mg/L)		TKN (mg/L)		Orhtho-Phosphate-P (mg/L)		Phosphorus (mg/L)		pH (pH units)	Temp (°C)	Cond. (mS/cm)	Cation	Anion
6/21/2004 5:30:00 PM	6.97		0.07	J	ND (0.332)	U	0.00346	I-08, J	0.0102	J	7.12	6.8	511	4.98	4.82
6/22/2004 7:20:00 AM	6.42		0.07	J	0.339	J	0.00401	I-08, J	0.0124	J	7.06	7	496	4.30	4.77
6/22/2004 8:00:00 PM	6.03		0.06	J	ND (0.332)	U	0.00346	I-08, J	0.0051	J	7.03	7.2	498	4.29	4.80
6/23/2004 8:00:00 AM	5.63		0.05	J	0.517		0.00511	I-08, J	0.006	J	6.97	7.2	492	4.80	4.74
6/23/2004 7:00:00 PM	5.39	I-05	0.05	I-05, J	ND (0.332)	U	0.00567	I-08, J	ND (0.00474)	U	6.62	6.7	499	4.75	4.85
6/24/2004 7:30:00 AM	5.37	I-05	0.04	I-05, J	ND (0.332)	U	0.0018	I-08, J	ND (0.00474)	U	6.51	6.7	501	5.65	4.82
6/24/2004 8:30:00 PM	5.19	I-05	0.04	I-05, J	ND (0.332)	U	ND (0.00141)	I-02, U	ND (0.00474)	U	no probe	7.5	1087	5.11	4.77
6/25/2004 8:00:00 AM	4.99	I-05	0.03	I-05, J	ND (0.332)	U	ND (0.00141)	I-02, U	ND (0.00474)	U	7.41	7	1211	5.01	4.73
6/25/2004 7:30:00 PM	4.88	I-05	0.04	I-05, J	ND (0.332)	U	ND (0.00141)	I-02, U	ND (0.00474)	U	7.05	7.3	1482	5.08	4.82
6/26/2004 7:45:00 AM	4.82	I-05	0.02	I-05, J	ND (0.332)	U	ND (0.00141)	I-02, U	0.008	J	7.09	7.4	786	5.13	4.78
6/26/2004 8:00:00 PM	4.69	I-05	0.04	I-05, J	0.799		ND (0.00141)	I-02, U	0.0082	J	7	7.7	741	5.18	4.79
6/27/2004 8:30:00 AM	4.54	I-05	0.03	I-05, J	0.374	J	ND (0.00141)	I-02, U	0.0057	J	7.15	7.2	865	4.48	4.83
6/27/2004 7:45:00 PM	4.44	I-05	0.05	I-05, J	ND (0.332)	U	ND (0.00141)	I-02, U	0.0083	J	7.17	7.5	763	4.47	4.76
6/28/2004 8:30:00 AM	4.4	I-05	0.05	I-05, J	ND (0.332)	U	ND (0.00141)	I-02, U	0.0052	J	6.74	7.2	809	4.40	4.76
6/28/2004 8:30:00 PM	4.37	I-05	0.03	I-05, J	0.403	J	ND (0.00141)	I-08, U	0.0103	J	6.97	7.6	739	5.22	4.94
6/29/2004 10:00:00 AM	4.53	I-05	0.05	I-05, J	ND (0.332)	U	ND (0.00141)	I-08, U	0.0087	J	7.21	7.6	751	5.16	4.97
6/29/2004 8:00:00 PM	4.44	I-05	0.04	I-05, J	ND (0.332)	U	ND (0.00141)	I-08, U	0.0105	J	7.35	7.5	735	5.21	4.95
6/30/2004 7:30:00 AM	4.5	I-05	0.05	I-05, J	ND (0.332)	U	0.00183	I-08, J	0.0115	J	7.22	10.4	705	5.21	4.94
6/30/2004 8:40:00 PM	4.43	I-05	0.04	I-05, J	ND (0.332)	U	0.00331	I-08, J	0.0139	J	7.51	7.5	731	5.15	4.89
7/1/2004 10:00:00 AM	4.32	I-05	0.05	I-05, J	ND (0.332)	U	ND (0.00141)	I-08, U	0.0112	J	7.5	7.5	724	5.05	4.96
7/1/2004 8:40:00 PM	4.32	I-05	0.05	I-05, J	ND (0.332)	U	ND (0.00141)	I-08, U	0.0131	J	7.22	7.5	711	5.33	4.97
7/2/2004 10:00:00 AM	4.17	I-05	0.04	I-05, J	ND (0.332)	U	0.00183	I-08, J	0.0116	J	7.56	7.5	701	5.07	4.88
Minimum Value	4.17		0.02		ND (0.332)		ND (0.00141)		ND (0.00474)		6.51	6.7	492		
Maximum Value	6.97		0.07		0.799		0.00567		0.0139		7.56	10.4	1482		
Number of samples	22		22		22		22		22		21	22	22		
Aritmetic Average	4.95		0.05		0.239		0.00172		0.00781		7.12	7.43	751.7		

Notes: A-01 - Quality control check standard >120% recovery.
A-02 - Analyte not contained in LCS standard.
D - Data reported from a preparation or analytical dilution.
E-02 - Estimated Value. Data does not meet strict QC controls.
I-08 - Analysis requested after recommended hold time had expired.
J - Estimated value since result is between the PQL and MDL.
U - Analyte included in the analysis but not detected.
B - Analyte detected in method blank.
Arithmetic average is calculated using half the reported Method Detection Limit.
ND (0.0002) - Analyte not detected above the reported Method Detection Limit.

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Appendix G

Water Balance Calculations

Appendix G
Water Balance Calculations
Nixon Fork Project

Nixon Fork-Water Balance

Revised - GC - 07272005, 081705
Revised - PCJ - 072005 - Format only 082605

Run-of-mine ore milled Oct. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2005

Days	Tonnes/day Dry Feed	Moisture %	Ore Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons Prec/Evap-land app	Process Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative	Total Net Gallons
5/14/2005																	2,000,000.00				
5/15/2005		0%	0.00						0.03406	0.05605	228,100.00	114,050.00	4,844.86	3,987.13		857.72	2,000,857.72	-	-	-	2,000,857.72
5/16/2005		0%	0.00						0.03406	0.05849	228,100.00	114,050.00	4,844.86	4,160.30		684.55	2,001,542.28	-	-	-	2,001,542.28
5/17/2005		0%	0.00						0.03443	0.06089	228,100.00	114,050.00	4,897.62	4,331.58		566.04	2,002,108.31	-	-	-	2,002,108.31
5/18/2005		0%	0.00						0.03527	0.06328	228,100.00	114,050.00	5,016.98	4,500.92		516.07	2,002,624.38	-	-	-	2,002,624.38
5/19/2005		0%	0.00						0.03610	0.06563	228,100.00	114,050.00	5,136.35	4,668.26		468.09	2,003,092.47	-	-	-	2,003,092.47
5/20/2005		0%	0.00						0.03657	0.06795	228,100.00	114,050.00	5,202.95	4,833.56		369.39	2,003,461.86	-	-	-	2,003,461.86
5/21/2005		0%	0.00						0.03704	0.07025	228,100.00	114,050.00	5,269.55	4,996.76		272.78	2,003,734.64	-	-	-	2,003,734.64
5/22/2005		0%	0.00						0.03751	0.07251	228,100.00	114,050.00	5,336.15	5,157.83		178.32	2,003,912.96	-	-	-	2,003,912.96
5/23/2005		0%	0.00						0.03798	0.07474	228,100.00	114,050.00	5,402.75	5,316.71		86.04	2,003,999.00	-	-	-	2,003,999.00
5/24/2005		0%	0.00						0.03844	0.07695	228,100.00	114,050.00	5,469.35	5,473.35		(4.01)	2,003,994.99	-	-	-	2,003,994.99
5/25/2005		0%	0.00						0.03891	0.07912	228,100.00	114,050.00	5,535.95	5,627.72		(91.77)	2,003,903.22	-	-	-	2,003,903.22
5/26/2005		0%	0.00						0.03938	0.08125	228,100.00	114,050.00	5,602.55	5,779.75		(177.20)	2,003,726.02	-	-	-	2,003,726.02
5/27/2005		0%	0.00						0.03985	0.08336	228,100.00	114,050.00	5,669.15	5,929.42		(260.27)	2,003,465.75	-	-	-	2,003,465.75
5/28/2005		0%	0.00						0.04032	0.08543	228,100.00	114,050.00	5,735.75	6,076.66		(340.91)	2,003,124.83	-	-	-	2,003,124.83
5/29/2005		0%	0.00						0.04079	0.08746	228,100.00	114,050.00	5,802.35	6,221.45		(419.10)	2,002,705.73	-	-	-	2,002,705.73
5/30/2005		0%	0.00						0.04125	0.08946	228,100.00	114,050.00	5,868.95	6,363.73		(494.79)	2,002,210.95	-	-	-	2,002,210.95
5/31/2005		0%	0.00						0.04172	0.09143	228,100.00	114,050.00	5,935.55	6,503.47		(567.92)	2,001,643.02	-	-	-	2,001,643.02
6/1/2005		0%	0.00						0.04219	0.09336	228,100.00	114,050.00	6,002.15	6,640.63		(638.48)	2,001,004.55	-	-	-	2,001,004.55
6/2/2005		0%	0.00						0.04289	0.09525	228,100.00	114,050.00	6,102.05	6,775.15		(673.10)	2,000,331.45	-	-	-	2,000,331.45
6/3/2005		0%	0.00						0.04337	0.09710	228,100.00	114,050.00	6,170.73	6,907.01		(736.28)	1,999,595.17	-	-	-	1,999,595.17
6/4/2005		0%	0.00						0.04386	0.09892	228,100.00	114,050.00	6,239.41	7,036.16		(796.75)	1,998,798.42	-	-	-	1,998,798.42
6/5/2005		0%	0.00						0.04434	0.10069	228,100.00	114,050.00	6,308.09	7,162.57		(854.47)	1,997,943.95	-	-	-	1,997,943.95
6/6/2005		0%	0.00						0.04482	0.10243	228,100.00	114,050.00	6,376.78	7,286.19		(909.42)	1,997,034.53	-	-	-	1,997,034.53
6/7/2005		0%	0.00						0.04531	0.10413	228,100.00	114,050.00	6,445.46	7,407.00		(961.54)	1,996,072.99	-	-	-	1,996,072.99
6/8/2005		0%	0.00						0.04579	0.10579	228,100.00	114,050.00	6,514.14	7,524.95		(1,010.81)	1,995,062.18	-	-	-	1,995,062.18
6/9/2005		0%	0.00						0.04627	0.10741	228,100.00	114,050.00	6,582.82	7,640.02		(1,057.19)	1,994,004.99	-	-	-	1,994,004.99
6/10/2005		0%	0.00						0.04675	0.10898	228,100.00	114,050.00	6,651.50	7,752.16		(1,100.65)	1,992,904.33	-	-	-	1,992,904.33
6/11/2005		0%	0.00						0.04724	0.11052	228,100.00	114,050.00	6,720.18	7,861.34		(1,141.15)	1,991,763.18	-	-	-	1,991,763.18
6/12/2005		0%	0.00						0.04772	0.11201	228,100.00	114,050.00	6,788.87	7,967.53		(1,178.67)	1,990,584.51	-	-	-	1,990,584.51
6/13/2005		0%	0.00						0.04820	0.11346	228,100.00	114,050.00	6,857.55	8,070.71		(1,213.16)	1,989,371.35	-	-	-	1,989,371.35
6/14/2005		0%	0.00						0.04869	0.11487	228,100.00	114,050.00	6,926.23	8,170.83		(1,244.60)	1,988,126.75	-	-	-	1,988,126.75
6/15/2005		0%	0.00						0.04917	0.11623	228,100.00	114,050.00	6,994.91	8,267.87		(1,272.96)	1,986,853.79	-	-	-	1,986,853.79
6/16/2005		0%	0.00						0.04965	0.11755	228,100.00	114,050.00	7,063.59	8,361.81		(1,298.21)	1,985,555.58	-	-	-	1,985,555.58
6/17/2005		0%	0.00						0.05147	0.11883	228,100.00	114,050.00	7,322.31	8,452.60		(1,130.29)	1,984,425.29	-	-	-	1,984,425.29
6/18/2005		0%	0.00						0.05329	0.12006	228,100.00	114,050.00	7,581.03	8,540.23		(959.20)	1,983,466.08	-	-	-	1,983,466.08
6/19/2005		0%	0.00						0.05462	0.12125	228,100.00	114,050.00	7,771.07	8,624.67		(853.61)	1,982,612.48	-	-	-	1,982,612.48
6/20/2005		0%	0.00						0.05596	0.12239	228,100.00	114,050.00	7,961.11	8,705.90		(744.79)	1,981,867.68	-	-	-	1,981,867.68
6/21/2005		0%	0.00						0.05730	0.12349	228,100.00	114,050.00	8,151.14	8,783.89		(632.74)	1,981,234.94	-	-	-	1,981,234.94
6/22/2005		0%	0.00						0.05863	0.12454	228,100.00	114,050.00	8,341.18	8,858.61		(517.43)	1,980,717.51	-	-	-	1,980,717.51
6/23/2005		0%	0.00						0.05997	0.12554	228,100.00	114,050.00	8,531.22	8,930.05		(398.83)	1,980,318.68	-	-	-	1,980,318.68
6/24/2005		0%	0.00						0.06130	0.12650	228,100.00	114,050.00	8,721.26	8,998.19		(276.93)	1,980,041.75	-	-	-	1,980,041.75
6/25/2005		0%	0.00						0.06264	0.12741	228,100.00	114,050.00	8,911.29	9,062.99		(151.70)	1,979,890.04	-	-	-	1,979,890.04
6/26/2005		0%	0.00						0.06397	0.12827	228,100.00	114,050.00	9,101.33	9,124.46		(23.13)	1,979,866.92	-	-	-	1,979,866.92
6/27/2005		0%	0.00						0.06531	0.12909	228,100.00	114,050.00	9,291.37	9,182.56		108.81	1,979,975.73	-	-	-	1,979,975.73
6/28/2005		0%	0.00						0.06665	0.12986	228,100.00	114,050.00	9,481.41	9,237.28		244.13	1,980,219.85	-	-	-	1,980,219.85
6/29/2005		0%	0.00						0.06798	0.13058	228,100.00	114,050.00	9,671.44	9,288.60		382.84	1,980,602.70	-	-	-	1,980,602.70
6/30/2005		0%	0.00						0.06932	0.13126	228,100.00	114,050.00	9,861.48	9,336.51		524.97	1,981,127.66	-	-	-	1,981,127.66
7/1/2005		0%	0.00						0.07065	0.13188	228,100.00	114,050.00	10,051.52	9,381.00		670.52	1,981,798.18	-	-	-	1,981,798.18
7/2/2005		0%	0.00						0.07199	0.13246	228,100.00	114,050.00	10,241.56	9,422.04		819.51	1,982,617.70	-	-	-	1,982,617.70
7/3/2005		0%	0.00						0.07333	0.13299	228,100.00	114,050.00	10,431.59	9,459.64		971.95	1,983,589.65	-	-	-	1,983,589.65
7/4/2005		0%	0.00						0.07466	0.13347	228,100.00	114,050.00	10,621.63	9,493.77		1,127.86	1,984,717.51	-	-	-	1,984,717.51
7/5/2005		0%	0.00						0.07600	0.13390	228,100.00	114,050.00	10,811.67	9,524.43		1,287.24	1,986,004.75	-	-	-	1,986,004.75
7/6/2005		0%	0.00						0.07733	0.13428	228,100.00	114,050.00	11,001.71	9,551.61		1,450.10	1,987,454.85	-	-	-	1,987,454.85
7/7/2005		0%	0.00						0.07867	0.13461	228,100.00	114,050.00	11,191.74	9,575.30		1,616.45	1,989,071.30	-	-	-	1,989,071.30
7/8/2005		0%	0.00						0.08000	0.13490	228,100.00	114,050.00	11,381.78	9,595.49		1,786.29	1,990,857.59	-	-	-	1,990,857.59
7/9/2005		0%	0.00						0.08134	0.13513	228,100.00	114,050.00	11,571.82	9,612.18		1,959.64	1,992,817.23	-	-	-	1,992,817.23
7/10/2005		0%	0.00						0.08268	0.13532	228,100.00	114,050.00	11,761.86	9,625.36		2,136.50	1,994,953.74	-	-	-	1,994,953.74
7/11/2005		0%	0.00						0.08401	0.13545	228,100.00	114,050.00	11,951.90	9,635.02		2,316.87	1,997,270.61	-	-	-	1,997,270.61
7/12/2005		0%	0.00						0.08535	0.13554	228,100.00	114,050.00	12,141.93	9,641.18		2,500.75	1,999,771.36	-	-	-	1,999,771.36
7/13/2005		0%	0.00						0.08668	0.13558	228,100.00	114,050.00	12,331.97	9,643.82		2,688.15	2,002,459.51	-	-	-	2,002,459.51
7/14/2005		0%	0.00						0.08802	0.13556	228,100.00	114,050.00	12,522.01	9,642.94		2,879.07	2,005,338.58	-	-	-	2,005,338.58
7/15/2005		0%	0.00						0.08935	0.13550	228,100.00	114,050.00	12,712.05	9,638.54		3,073.50	2,008,412.09	-	-	-	2,008,412.09
7/16/2005		0%	0.00						0.09069	0.13539	228,100.00	114,050.00	12,902.08	9,630.63		3,271.45	2,011,683.54	-	-	-	2,011,683.54
7/17/2005		0%	0.00						0.09203	0.13523	228,100.00	114,050.00	13,092.12	9,619.20		3,472.92	2,015,156.46	-	-	-	2,015,156.46
7/18/2005		0%	0.00						0.09324	0.13502	228,100.00	114,050.00	13,265.41	9,604.27		3,661.14	2,018,817.59	-	-	-	2,018,817.59
7/19/2005		0%	0.00						0.09313	0.13476	228,100.00	114,050.00	13,248.66	9,585.83		3,662.83	2,022,480.42	-	-	-	2,022,480.42
7/20/2005		0%	0.00						0.09301	0.13445	228,100.00	114,050.00	13,231.90	9,563.89		3,668.01	2,026,148.43	-	-	-	2,026,148.43
7/21/2005		0%	0.00						0.09289	0.13409	228,100.00	114,050.00	13,215.15	9,538.46		3,676.70	2,029,825.13	-	-	-	2,029,825.13
7/22/2005		0%	0.00						0.09277	0.13369	228,100.00	114,050.00	13,198.40	9,509.54		3,688.86	2,033,514.00	-	-	-	2,033,514.00
7/23/2005		0%	0.00						0.09266	0.13323	228,100.00	114,050.00	13,181.65	9,477.14		3,704.51	2,037,218.51	-	-	-	2,037,218.51
7/24/2005		0%	0.00						0.09254	0.13273	228,100.00	114,050.00	13,164.90	9,441.27		3,723.62	2,040,942.13	-	-	-	2,040,942.13
7/25/2005		0%	0.00						0.09242	0.13218	228,100.00	114,050.00	13,148.15	9,401.95		3,746.19	2,044,688.32	-	-	-	2,044,688.32
7/26/2005		0%	0.00						0.09230	0.13157	228,100.00	114,050.00	13,131.39	9,359.19		3,772.21	2,048,460.53	-	-	-	2,048,460.53
7/27/2005		0%	0.00						0.09218	0.13092	228,100.00	114,050.00	13,114.64	9,312.99		3,801.66	2,052,262.19	-	-	-	2,052,262.19
7/28/2005		0%	0.00						0.09207	0.13023	228,100.00	114,050.00	13,097.89	9,263.37		3,834.52	2,056,096.71	-	-	-	2,056,096.71
7/29/2005		0%	0.00						0.09195	0.12948	228,100.00	114,050.00	13,081.14	9,210.34		3,870.80	2,059,967.51	-	-	-	2,059,967.51
7/30/2005		0%	0.00						0.09183	0.12869	228,100.00	114,050.00	13,064.39	9,153.93		3,910.46	2,063,877.97	-	-	-	2,063,877.97
7/31/2005		0%	0.00						0.09171	0.12785	228,100.00	114,050.00	13,047.64	9,094.15		3,953.49	2,067,831.46	-	-	-	2,067,831.46
8/1/2005		0%	0.00						0.09160	0.12696	228,100.00	114,050.00	13,030.88	9,031.01		3,999.88	2,071,831.33	-	-	-	2,071,831.33
8/2/2005		0%	0.00						0.09148	0.12603	228,100.00	114,050.00	13,014.13	8,964.53		4,049.60	2,075,880.93	-	-	-	2,075,880.93
8/3/2005		0%	0.00						0.09136	0.12504	228,100.00	114,050.00	12,997.38	8,894.74		4,102.64	2,079,983.57	-	-	-	2,079,983.57
8/4/2005		0%	0.00						0.09124	0.12402	228,100.00	114,050.00	12,980.63	8,821.66		4,158.97	2,084,142.54	-	-	-	2,084,142.54
8/5/2005		0%	0.00						0.09112	0.12294	228,100.00	114,050.00	12,963.88	8,745.30		4,218.58	2,088,361.12	-	-	-	2,088,361.12
8/6/2005		0%	0.00						0.09101	0.12182	228,100.00	114,050.00	12,947.13	8,665.69		4,281.44	2,092,642.56	-	-	-	2,092,642.56
8/7/2005		0%	0.00						0.09089	0.12066	228,100.00	114,050.00	12,930.37	8,582.85		4,347.52	2,096,990.08	-	-	-	2,096,990.08
8/8/2005		0%	0.00						0.09077	0.11945	228,100.00	114,050.00	12,913.62	8,496.81		4,416.81	2,101,406.89	-	-	-	2,101,406.89

Appendix G
Water Balance Calculations
Nixon Fork Project

Nixon Fork-Water Balance

Revised - GC - 07272005, 081705
Revised - PCJ - 072005 - Format only 082605

Run-of-mine ore milled Oct. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2005

Days	Tonnes/day Dry Feed	Moisture %	Ore Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons Prec/Evap-land app	Process Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative	Total Net Gallons
8/9/2005		0%	0.00						0.09065	0.11820	228,100.00	114,050.00	12,896.87	8,407.60		4,489.27	2,105,896.16	-	-	-	2,105,896.16
8/10/2005		0%	0.00						0.09054	0.11690	228,100.00	114,050.00	12,880.12	8,315.23		4,564.89	2,110,461.05	-	-	-	2,110,461.05
8/11/2005		0%	0.00						0.09042	0.11556	228,100.00	114,050.00	12,863.37	8,219.74		4,643.63	2,115,104.68	-	-	-	2,115,104.68
8/12/2005		0%	0.00						0.09030	0.11417	228,100.00	114,050.00	12,846.62	8,121.15		4,725.47	2,119,830.15	-	-	-	2,119,830.15
8/13/2005		0%	0.00						0.09018	0.11274	228,100.00	114,050.00	12,829.87	8,019.50		4,810.37	2,124,640.52	-	-	-	2,124,640.52
8/14/2005		0%	0.00						0.09007	0.11127	228,100.00	114,050.00	12,813.11	7,914.81		4,898.30	2,129,538.82	-	-	-	2,129,538.82
8/15/2005		0%	0.00						0.08995	0.10975	228,100.00	114,050.00	12,796.36	7,807.12		4,989.24	2,134,528.06	-	-	-	2,134,528.06
8/16/2005		0%	0.00						0.08983	0.10820	228,100.00	114,050.00	12,779.61	7,696.45		5,083.16	2,139,611.22	-	-	-	2,139,611.22
8/17/2005		0%	0.00						0.08971	0.10660	228,100.00	114,050.00	12,762.86	7,582.85		5,180.01	2,144,791.23	-	-	-	2,144,791.23
8/18/2005		0%	0.00						0.08980	0.10496	228,100.00	114,050.00	12,774.77	7,466.33		5,308.44	2,150,099.67	-	-	-	2,150,099.67
8/19/2005		0%	0.00						0.09000	0.10329	228,100.00	114,050.00	12,803.43	7,346.95		5,456.48	2,155,556.15	-	-	-	2,155,556.15
8/20/2005		0%	0.00						0.09020	0.10157	228,100.00	114,050.00	12,832.10	7,224.73		5,607.37	2,161,163.52	-	-	-	2,161,163.52
8/21/2005		0%	0.00						0.09040	0.09981	228,100.00	114,050.00	12,860.76	7,099.71		5,761.05	2,166,924.57	-	-	-	2,166,924.57
8/22/2005		0%	0.00						0.09060	0.09801	228,100.00	114,050.00	12,889.43	6,971.92		5,917.50	2,172,842.08	-	-	-	2,172,842.08
8/23/2005		0%	0.00						0.09080	0.09618	228,100.00	114,050.00	12,918.09	6,841.41		6,076.68	2,178,918.75	-	-	-	2,178,918.75
8/24/2005		0%	0.00						0.09100	0.09431	228,100.00	114,050.00	12,946.75	6,708.22		6,238.54	2,185,157.29	-	-	-	2,185,157.29
8/25/2005		0%	0.00						0.09121	0.09240	228,100.00	114,050.00	12,975.42	6,572.37		6,403.04	2,191,560.33	-	-	-	2,191,560.33
8/26/2005		0%	0.00						0.09141	0.09045	228,100.00	114,050.00	13,004.08	6,433.92		6,570.16	2,198,130.49	-	-	-	2,198,130.49
8/27/2005		0%	0.00						0.09161	0.08847	228,100.00	114,050.00	13,032.75	6,292.91		6,739.84	2,204,870.33	-	-	-	2,204,870.33
8/28/2005		0%	0.00						0.09181	0.08645	228,100.00	114,050.00	13,061.41	6,149.37		6,912.04	2,211,782.37	-	-	-	2,211,782.37
8/29/2005		0%	0.00						0.09201	0.08440	228,100.00	114,050.00	13,090.07	6,003.34		7,086.73	2,218,869.10	-	-	-	2,218,869.10
8/30/2005		0%	0.00						0.09221	0.08231	228,100.00	114,050.00	13,118.74	5,854.88		7,263.85	2,226,132.95	-	-	-	2,226,132.95
8/31/2005		0%	0.00						0.09241	0.08019	228,100.00	114,050.00	13,147.40	5,704.03		7,443.37	2,233,576.33	-	-	-	2,233,576.33
9/1/2005		0%	0.00						0.09262	0.07803	228,100.00	114,050.00	13,176.06	5,550.82	108,000.00	(100,374.76)	2,133,201.57	-	-	-	2,133,201.57
9/2/2005		0%	0.00						0.09282	0.07585	228,100.00	114,050.00	13,204.73	5,395.31	108,000.00	(100,190.58)	2,033,010.98	-	-	-	2,033,010.98
9/3/2005		0%	0.00						0.09302	0.07363	228,100.00	114,050.00	13,233.39	5,237.55	108,000.00	(100,004.15)	1,933,006.83	-	-	-	1,933,006.83
9/4/2005		0%	0.00						0.09322	0.07138	228,100.00	114,050.00	13,262.06	5,077.57	108,000.00	(99,815.51)	1,833,191.32	-	-	-	1,833,191.32
9/5/2005		0%	0.00						0.09342	0.06910	228,100.00	114,050.00	13,290.72	4,915.42	108,000.00	(99,624.70)	1,733,566.61	-	-	-	1,733,566.61
9/6/2005		0%	0.00						0.09362	0.06679	228,100.00	114,050.00	13,319.38	4,751.17	108,000.00	(99,431.78)	1,634,134.83	-	-	-	1,634,134.83
9/7/2005		0%	0.00						0.09383	0.06445	228,100.00	114,050.00	13,348.05	4,584.84	108,000.00	(99,236.79)	1,534,898.04	-	-	-	1,534,898.04
9/8/2005		0%	0.00						0.09403	0.06209	228,100.00	114,050.00	13,376.71	4,416.49	108,000.00	(99,039.78)	1,435,858.26	-	-	-	1,435,858.26
9/9/2005		0%	0.00						0.09423	0.05969	228,100.00	114,050.00	13,405.38	4,246.18	108,000.00	(98,840.81)	1,337,017.45	-	-	-	1,337,017.45
9/10/2005		0%	0.00						0.09443	0.05727	228,100.00	114,050.00	13,434.04	4,073.95	108,000.00	(98,639.91)	1,238,377.54	-	-	-	1,238,377.54
9/11/2005		0%	0.00						0.09463	0.05483	228,100.00	114,050.00	13,462.70	3,899.85	108,000.00	(98,437.15)	1,139,940.39	-	-	-	1,139,940.39
9/12/2005		0%	0.00						0.09483	0.05235	228,100.00	114,050.00	13,491.37	3,723.94	108,000.00	(98,232.57)	1,041,707.82	-	-	-	1,041,707.82
9/13/2005		0%	0.00						0.09503	0.04985	228,100.00	114,050.00	13,520.03	3,546.27	108,000.00	(98,026.24)	943,681.58	-	-	-	943,681.58
9/14/2005		0%	0.00						0.09524	0.04733	228,100.00	114,050.00	13,548.70	3,366.88	108,000.00	(97,818.19)	845,863.39	-	-	-	845,863.39
9/15/2005		0%	0.00						0.09544	0.04479	228,100.00	114,050.00	13,577.36	3,185.84	108,000.00	(97,608.48)	748,254.91	-	-	-	748,254.91
9/16/2005		0%	0.00						0.09564	0.04222	228,100.00	114,050.00	13,606.02	3,003.19	108,000.00	(97,397.17)	650,857.74	-	-	-	650,857.74
9/17/2005		0%	0.00						0.09453	0.03963	228,100.00	114,050.00	13,447.81	2,819.00	108,000.00	(97,371.18)	553,486.56	-	-	-	553,486.56
9/18/2005		0%	0.00						0.09341	0.03702	228,100.00	114,050.00	13,289.60	2,633.31	108,000.00	(97,343.70)	456,142.85	-	-	-	456,142.85
9/19/2005		0%	0.00						0.09210	0.03439	228,100.00	114,050.00	13,102.73	2,446.18	108,000.00	(97,343.45)	358,799.40	-	-	-	358,799.40
9/20/2005		0%	0.00						0.09079	0.03174	228,100.00	114,050.00	12,915.86	2,257.66	108,000.00	(97,341.81)	261,457.60	-	-	-	261,457.60
9/21/2005		0%	0.00						0.08947	0.02907	228,100.00	114,050.00	12,728.98	2,067.82	108,000.00	(97,338.84)	164,118.76	-	-	-	164,118.76
9/22/2005		0%	0.00						0.08816	0.02638	228,100.00	114,050.00	12,542.11	1,876.71	108,000.00	(97,334.60)	66,784.16	-	-	-	66,784.16
9/23/2005		0%	0.00						0.08685	0.02368	228,100.00	114,050.00	12,355.24	1,684.38	108,000.00	(97,329.14)	(30,544.97)	-	-	-	(30,544.97)
9/24/2005		0%	0.00						0.08553	0.02096	228,100.00	114,050.00	12,168.36	1,490.89	-	10,677.48	(19,867.50)	-	-	-	(19,867.50)
9/25/2005		0%	0.00						0.08422	0.01822	228,100.00	114,050.00	11,981.49	1,296.30	-	10,685.19	(9,182.30)	-	-	-	(9,182.30)
9/26/2005		0%	0.00						0.08291	0.01547	228,100.00	114,050.00	11,794.62	1,100.66	-	10,693.95	1,511.65	-	-	-	1,511.65
9/27/2005		0%	0.00						0.08159	0.01271	228,100.00	114,050.00	11,607.74	904.04	-	10,703.70	12,215.35	-	-	-	12,215.35
9/28/2005		0%	0.00						0.08028	0.00993	228,100.00	114,050.00	11,420.87	706.50	-	10,714.37	22,929.72	-	-	-	22,929.72
9/29/2005		0%	0.00						0.07897	0.00714	228,100.00	114,050.00	11,234.00	508.08	-	10,725.92	33,655.64	-	-	-	33,655.64
9/30/2005		0%	0.00						0.07765	0.00434	228,100.00	114,050.00	11,047.12	308.85	-	10,738.27	44,393.91	-	-	-	44,393.91
10/1/2005		0%	0.00						0.07634	0.00153	228,100.00	114,050.00	10,860.25	108.88	-	10,751.37	55,145.28	-	-	-	55,145.28
10/2/2005		0%	0.00						0.07502	0.00000	228,100.00	114,050.00	10,673.38	-	-	10,673.38	65,818.66	-	-	-	65,818.66
10/3/2005		0%	0.00						0.07371	0.00000	228,100.00	114,050.00	10,486.50	-		10,486.50	76,305.16	-	-	-	76,305.16
10/4/2005		0%	0.00						0.07240	0.00000	228,100.00	114,050.00	10,299.63	-		10,299.63	86,604.79	-	-	-	86,604.79
10/5/2005		0%	0.00						0.07108	0.00000	228,100.00	114,050.00	10,112.76	-		10,112.76	96,717.54	-	-	-	96,717.54
10/6/2005		0%	0.00						0.06977	0.00000	228,100.00	114,050.00	9,925.88	-		9,925.88	106,643.43	-	-	-	106,643.43
10/7/2005		0%	0.00						0.06846	0.00000	228,100.00	114,050.00	9,739.01	-		9,739.01	116,382.43	-	-	-	116,382.43
10/8/2005		0%	0.00						0.06714	0.00000	228,100.00	114,050.00	9,552.14	-		9,552.14	125,934.57	-	-	-	125,934.57
10/9/2005		0%	0.00						0.06583	0.00000	228,100.00	114,050.00	9,365.26	-		9,365.26	135,299.83	-	-	-	135,299.83
10/10/2005		0%	0.00						0.06452	0.00000	228,100.00	114,050.00	9,178.39	-		9,178.39	144,478.22	-	-	-	144,478.22
10/11/2005		0%	0.00						0.06320	0.00000	228,100.00	114,050.00	8,991.51	-		8,991.51	153,469.74	-	-	-	153,469.74
10/12/2005		0%	0.00						0.06189	0.00000	228,100.00	114,050.00	8,804.64	-		8,804.64	162,274.38	-	-	-	162,274.38
10/13/2005		0%	0.00						0.06058	0.00000	228,100.00	114,050.00	8,617.77	-		8,617.77	170,892.14	-	-	-	170,892.14
10/14/2005		0%	0.00						0.05926	0.00000	228,100.00	114,050.00	8,430.89	-		8,430.89	179,323.04	-	-	-	179,323.04
10/15/2005		0%	0.00						0.05795	0.00000	228,100.00	114,050.00	8,244.02	-		8,244.02	187,567.06	-	-	-	187,567.06
10/16/2005		0%	0.00						0.05663	0.00000	228,100.00	114,050.00	8,057.15	-		8,057.15	195,624.21	-	-	-	195,624.21
10/17/2005		0%	0.00						0.05532	0.00000	228,100.00	114,050.00	7,870.27	-		7,870.27	203,494.48	-	-	-	203,494.48
10/18/2005		0%	0.00						0.05397	0.00000	228,100.00	114,050.00	7,677.94	-		7,677.94	211,172.42	-	-	-	211,172.42
10/19/2005		0%	0.00						0.05393	0.00000	228,100.00	114,050.00	7,672.48	-		7,672.48	218,844.91	-	-	-	218,844.91
10/20/2005		0%	0.00						0.05389	0.00000	228,100.00	114,050.00	7,667.02	-		7,667.02	226,511.93	-	-	-	226,511.93
10/21/2005		0%	0.00						0.05385	0.00000	228,100.00	114,050.00	7,661.56	-		7,661.56	234,173.49	-	-	-	234,173.49
10/22/2005		0%	0.00						0.05382	0.00000	228,100.00	114,050.00	7,656.10	-		7,656.10	241,829.59	-	-	-	241,829.59
10/23/2005		0%	0.00						0.05378	0.00000	228,100.00	114,050.00	7,650.64	-		7,650.64	249,480.23	-	-	-	249,480.23
10/24/2005		0%	0.00						0.05374	0.00000	228,100.00	114,050.00	7,645.18	-		7,645.18	257,125.42	-	-	-	257,125.42
10/25/2005		0%	0.00						0.05370	0.00000	228,100.00	114,050.00	7,639.72	-		7,639.72	264,765.14	-	-	-	264,765.14
10/26/2005		0%	0.00						0.05366	0.00000	228,100.00	114,050.00	7,634.26	-		7,634.26	272,399.40	-	-	-	272,399.40
10/27/2005		0%	0.00						0.05362	0.00000	228,100.00	114,050.00	7,628.80	-		7,628.80	280,028.21	-	-	-	280,028.21
10/28/2005		0%	0.00						0.05359	0.00000	228,100.00	114,050.00	7,623.34	-		7,623.34	287,651.55	-	-	-	287,651.55
10/29/2005		0%	0.00						0.05355	0.00000	228,100.00	114,050.00	7,617.88	-		7,617.88	295,269.43	-	-	-	295,269.43

Appendix G
Water Balance Calculations
Nixon Fork Project

Nixon Fork-Water Balance

Revised - GC - 07272005, 081705
Revised - PCJ - 072005 - Format only 082605

Run-of-mine ore milled Oct. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2005

Days	Tonnes/day Dry Feed	Moisture %	Ore Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons Prec/Evap-land app	Process Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative	Total Net Gallons
10/30/2005		0%	0.00						0.05351	0.00000	228,100.00	114,050.00	7,612.42	-		7,612.42	302,881.86	-	-	-	302,881.86
10/31/2005		0%	0.00						0.05347	0.00000	228,100.00	114,050.00	7,606.96	-		7,606.96	310,488.82	-	-	-	310,488.82
11/1/2005		0%	0.00						0.05343	0.00000	228,100.00	114,050.00	7,601.50	-		7,601.50	318,090.33	-	-	-	318,090.33
11/2/2005		0%	0.00						0.05339	0.00000	228,100.00	114,050.00	7,596.04	-		7,596.04	325,686.37	-	-	-	325,686.37
11/3/2005		0%	0.00						0.05336	0.00000	228,100.00	114,050.00	7,590.58	-		7,590.58	333,276.95	-	-	-	333,276.95
11/4/2005		0%	0.00						0.05332	0.00000	228,100.00	114,050.00	7,585.12	-		7,585.12	340,862.08	-	-	-	340,862.08
11/5/2005		0%	0.00						0.05328	0.00000	228,100.00	114,050.00	7,579.67	-		7,579.67	348,441.74	-	-	-	348,441.74
11/6/2005		0%	0.00						0.05324	0.00000	228,100.00	114,050.00	7,574.21	-		7,574.21	356,015.95	-	-	-	356,015.95
11/7/2005		0%	0.00						0.05320	0.00000	228,100.00	114,050.00	7,568.75	-		7,568.75	363,584.70	-	-	-	363,584.70
11/8/2005		0%	0.00						0.05316	0.00000	228,100.00	114,050.00	7,563.29	-		7,563.29	371,147.98	-	-	-	371,147.98
11/9/2005		0%	0.00						0.05312	0.00000	228,100.00	114,050.00	7,557.83	-		7,557.83	378,705.81	-	-	-	378,705.81
11/10/2005		0%	0.00						0.05309	0.00000	228,100.00	114,050.00	7,552.37	-		7,552.37	386,258.17	-	-	-	386,258.17
11/11/2005		0%	0.00						0.05305	0.00000	228,100.00	114,050.00	7,546.91	-		7,546.91	393,805.08	-	-	-	393,805.08
11/12/2005		0%	0.00						0.05301	0.00000	228,100.00	114,050.00	7,541.45	-		7,541.45	401,346.53	-	-	-	401,346.53
11/13/2005		0%	0.00						0.05297	0.00000	228,100.00	114,050.00	7,535.99	-		7,535.99	408,882.51	-	-	-	408,882.51
11/14/2005		0%	0.00						0.05293	0.00000	228,100.00	114,050.00	7,530.53	-		7,530.53	416,413.04	-	-	-	416,413.04
11/15/2005		0%	0.00						0.05289	0.00000	228,100.00	114,050.00	7,525.07	-		7,525.07	423,938.11	-	-	-	423,938.11
11/16/2005		0%	0.00						0.05286	0.00000	228,100.00	114,050.00	7,519.61	-		7,519.61	431,457.72	-	-	-	431,457.72
11/17/2005		0%	0.00						0.05283	0.00000	228,100.00	114,050.00	7,515.89	-		7,515.89	438,973.60	-	-	-	438,973.60
11/18/2005		0%	0.00						0.05280	0.00000	228,100.00	114,050.00	7,512.16	-		7,512.16	446,485.76	-	-	-	446,485.76
11/19/2005		0%	0.00						0.05282	0.00000	228,100.00	114,050.00	7,513.90	-		7,513.90	453,999.66	-	-	-	453,999.66
11/20/2005		0%	0.00						0.05283	0.00000	228,100.00	114,050.00	7,515.64	-		7,515.64	461,515.30	-	-	-	461,515.30
11/21/2005		0%	0.00						0.05284	0.00000	228,100.00	114,050.00	7,517.37	-		7,517.37	469,032.67	-	-	-	469,032.67
11/22/2005		0%	0.00						0.05285	0.00000	228,100.00	114,050.00	7,519.11	-		7,519.11	476,551.79	-	-	-	476,551.79
11/23/2005		0%	0.00						0.05287	0.00000	228,100.00	114,050.00	7,520.85	-		7,520.85	484,072.63	-	-	-	484,072.63
11/24/2005		0%	0.00						0.05288	0.00000	228,100.00	114,050.00	7,522.59	-		7,522.59	491,595.22	-	-	-	491,595.22
11/25/2005		0%	0.00						0.05289	0.00000	228,100.00	114,050.00	7,524.32	-		7,524.32	499,119.54	-	-	-	499,119.54
11/26/2005		0%	0.00						0.05290	0.00000	228,100.00	114,050.00	7,526.06	-		7,526.06	506,645.60	-	-	-	506,645.60
11/27/2005		0%	0.00						0.05291	0.00000	228,100.00	114,050.00	7,527.80	-		7,527.80	514,173.40	-	-	-	514,173.40
11/28/2005		0%	0.00						0.05293	0.00000	228,100.00	114,050.00	7,529.53	-		7,529.53	521,702.94	-	-	-	521,702.94
11/29/2005		0%	0.00						0.05294	0.00000	228,100.00	114,050.00	7,531.27	-		7,531.27	529,234.21	-	-	-	529,234.21
11/30/2005		0%	0.00						0.05295	0.00000	228,100.00	114,050.00	7,533.01	-		7,533.01	536,767.22	-	-	-	536,767.22
12/1/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05296	0.00000	228,100.00	114,050.00	7,534.75	-		7,534.75	544,301.96	(11)	(2,831.20)	(2,831.20)	541,470.76
12/2/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,536.48	-		7,536.48	551,838.45	(11)	(2,831.20)	(5,662.41)	546,176.04
12/3/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05299	0.00000	228,100.00	114,050.00	7,538.22	-		7,538.22	559,376.67	(11)	(2,831.20)	(8,493.61)	550,883.05
12/4/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05300	0.00000	228,100.00	114,050.00	7,539.96	-		7,539.96	566,916.62	(11)	(2,831.20)	(11,324.81)	555,591.81
12/5/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.69	-		7,541.69	574,458.32	(11)	(2,831.20)	(14,156.02)	560,302.30
12/6/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05302	0.00000	228,100.00	114,050.00	7,543.43	-		7,543.43	582,001.75	(11)	(2,831.20)	(16,987.22)	565,014.53
12/7/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05304	0.00000	228,100.00	114,050.00	7,545.17	-		7,545.17	589,546.92	(11)	(2,831.20)	(19,818.43)	569,728.49
12/8/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-		7,546.91	597,093.83	(11)	(2,831.20)	(22,649.63)	574,444.20
12/9/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05306	0.00000	228,100.00	114,050.00	7,548.64	-		7,548.64	604,642.47	(11)	(2,831.20)	(25,480.83)	579,161.64
12/10/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05307	0.00000	228,100.00	114,050.00	7,550.38	-		7,550.38	612,192.85	(11)	(2,831.20)	(28,312.04)	583,880.81
12/11/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05308	0.00000	228,100.00	114,050.00	7,552.12	-		7,552.12	619,744.97	(11)	(2,831.20)	(31,143.24)	588,601.73
12/12/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05310	0.00000	228,100.00	114,050.00	7,553.86	-		7,553.86	627,298.82	(11)	(2,831.20)	(33,974.44)	593,324.38
12/13/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05311	0.00000	228,100.00	114,050.00	7,555.59	-		7,555.59	634,854.42	(11)	(2,831.20)	(36,805.65)	598,048.77
12/14/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.33	-		7,557.33	642,411.75	(11)	(2,831.20)	(39,636.85)	602,774.89
12/15/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05313	0.00000	228,100.00	114,050.00	7,559.07	-		7,559.07	649,970.81	(11)	(2,831.20)	(42,468.06)	607,502.76
12/16/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05315	0.00000	228,100.00	114,050.00	7,560.80	-		7,560.80	657,531.62	(11)	(2,831.20)	(45,299.26)	612,232.36
12/17/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,562.54	-		7,562.54	665,094.16	(11)	(2,831.20)	(48,130.46)	616,963.70
12/18/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05262	0.00000	228,100.00	114,050.00	7,486.10	-		7,486.10	672,580.26	(11)	(2,831.20)	(50,961.67)	621,618.60
12/19/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05207	0.00000	228,100.00	114,050.00	7,407.93	-		7,407.93	679,988.19	(11)	(2,831.20)	(53,792.87)	626,195.32
12/20/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05152	0.00000	228,100.00	114,050.00	7,329.76	-		7,329.76	687,317.95	(11)	(2,831.20)	(56,624.07)	630,693.88
12/21/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05097	0.00000	228,100.00	114,050.00	7,251.58	-		7,251.58	694,569.53	(11)	(2,831.20)	(59,455.28)	635,114.25
12/22/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05042	0.00000	228,100.00	114,050.00	7,173.41	-		7,173.41	701,742.94	(11)	(2,831.20)	(62,286.48)	639,456.46
12/23/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04987	0.00000	228,100.00	114,050.00	7,095.23	-		7,095.23	708,838.17	(11)	(2,831.20)	(65,117.69)	643,720.49
12/24/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04932	0.00000	228,100.00	114,050.00	7,017.06	-		7,017.06	715,855.23	(11)	(2,831.20)	(67,948.89)	647,906.34
12/25/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04877	0.00000	228,100.00	114,050.00	6,938.89	-		6,938.89	722,794.12	(11)	(2,831.20)	(70,780.09)	652,014.03
12/26/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04822	0.00000	228,100.00	114,050.00	6,860.71	-		6,860.71	729,654.83	(11)	(2,831.20)	(73,611.30)	656,043.53
12/27/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04768	0.00000	228,100.00	114,050.00	6,782.54	-		6,782.54	736,437.37	(11)	(2,831.20)	(76,442.50)	659,994.87
12/28/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04713	0.00000	228,100.00	114,050.00	6,704.36	-		6,704.36	743,141.73	(11)	(2,831.20)	(79,273.70)	663,868.03
12/29/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04658	0.00000	228,100.00	114,050.00	6,626.19	-		6,626.19	749,767.92	(11)	(2,831.20)	(82,104.91)	667,663.01
12/30/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04603	0.00000	228,100.00	114,050.00	6,548.01	-		6,548.01	756,315.93	(11)	(2,831.20)	(84,936.11)	671,379.82
12/31/2005	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04548	0.00000	228,100.00	114,050.00	6,469.84	-		6,469.84	762,785.77	(11)	(2,831.20)	(87,767.32)	675,018.46
	4650		350.00		18.12		664.29						226,019	0.00	0.00				-87767.32		

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - June 1- Oct. 31 @ 350 tonnes per day

2006 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
																	675,018			
1/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05485	0.00000	228,100.00	114,050.00	7,803.01	-		7,803.01	682,821	(11)	(2,831.20)	679,990
1/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04518	0.00000	228,100.00	114,050.00	6,427.20	-		6,427.20	689,249	(11)	(2,831.20)	686,417
1/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04464	0.00000	228,100.00	114,050.00	6,351.39	-		6,351.39	695,600	(11)	(2,831.20)	692,769
1/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04411	0.00000	228,100.00	114,050.00	6,275.59	-		6,275.59	701,876	(11)	(2,831.20)	699,044
1/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04358	0.00000	228,100.00	114,050.00	6,199.78	-		6,199.78	708,075	(11)	(2,831.20)	705,244
1/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04305	0.00000	228,100.00	114,050.00	6,123.98	-		6,123.98	714,199	(11)	(2,831.20)	711,368
1/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04251	0.00000	228,100.00	114,050.00	6,048.17	-		6,048.17	720,248	(11)	(2,831.20)	717,416
1/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04198	0.00000	228,100.00	114,050.00	5,972.37	-		5,972.37	726,220	(11)	(2,831.20)	723,389
1/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04145	0.00000	228,100.00	114,050.00	5,896.56	-		5,896.56	732,117	(11)	(2,831.20)	729,285
1/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04091	0.00000	228,100.00	114,050.00	5,820.76	-		5,820.76	737,937	(11)	(2,831.20)	735,106
1/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04038	0.00000	228,100.00	114,050.00	5,744.95	-		5,744.95	743,682	(11)	(2,831.20)	740,851
1/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.00000	228,100.00	114,050.00	5,669.15	-		5,669.15	749,351	(11)	(2,831.20)	746,520
1/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03932	0.00000	228,100.00	114,050.00	5,593.34	-		5,593.34	754,945	(11)	(2,831.20)	752,114
1/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03878	0.00000	228,100.00	114,050.00	5,517.54	-		5,517.54	760,462	(11)	(2,831.20)	757,631
1/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03825	0.00000	228,100.00	114,050.00	5,441.73	-		5,441.73	765,904	(11)	(2,831.20)	763,073
1/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03772	0.00000	228,100.00	114,050.00	5,365.93	-		5,365.93	771,270	(11)	(2,831.20)	768,439
1/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03718	0.00000	228,100.00	114,050.00	5,290.12	-		5,290.12	776,560	(11)	(2,831.20)	773,729
1/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03665	0.00000	228,100.00	114,050.00	5,214.32	-		5,214.32	781,774	(11)	(2,831.20)	778,943
1/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03552	0.00000	228,100.00	114,050.00	5,052.87	-		5,052.87	786,827	(11)	(2,831.20)	783,996
1/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03545	0.00000	228,100.00	114,050.00	5,043.03	-		5,043.03	791,870	(11)	(2,831.20)	789,039
1/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03538	0.00000	228,100.00	114,050.00	5,033.19	-		5,033.19	796,903	(11)	(2,831.20)	794,072
1/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03531	0.00000	228,100.00	114,050.00	5,023.35	-		5,023.35	801,927	(11)	(2,831.20)	799,096
1/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03524	0.00000	228,100.00	114,050.00	5,013.51	-		5,013.51	806,940	(11)	(2,831.20)	804,109
1/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03517	0.00000	228,100.00	114,050.00	5,003.68	-		5,003.68	811,944	(11)	(2,831.20)	809,113
1/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03510	0.00000	228,100.00	114,050.00	4,993.84	-		4,993.84	816,938	(11)	(2,831.20)	814,107
1/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03503	0.00000	228,100.00	114,050.00	4,984.00	-		4,984.00	821,922	(11)	(2,831.20)	819,091
1/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03496	0.00000	228,100.00	114,050.00	4,974.16	-		4,974.16	826,896	(11)	(2,831.20)	824,065
1/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03489	0.00000	228,100.00	114,050.00	4,964.32	-		4,964.32	831,860	(11)	(2,831.20)	829,029
1/29/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03483	0.00000	228,100.00	114,050.00	4,954.49	-		4,954.49	836,815	(11)	(2,831.20)	833,984
1/30/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03476	0.00000	228,100.00	114,050.00	4,944.65	-		4,944.65	841,759	(11)	(2,831.20)	838,928
1/31/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03469	0.00000	228,100.00	114,050.00	4,934.81	-		4,934.81	846,694	(11)	(2,831.20)	843,863
2/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03462	0.00000	228,100.00	114,050.00	4,924.97	-		4,924.97	851,619	(11)	(2,831.20)	848,788
2/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03455	0.00000	228,100.00	114,050.00	4,915.13	-		4,915.13	856,534	(11)	(2,831.20)	853,703
2/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03448	0.00000	228,100.00	114,050.00	4,905.29	-		4,905.29	861,440	(11)	(2,831.20)	858,608
2/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03441	0.00000	228,100.00	114,050.00	4,895.46	-		4,895.46	866,335	(11)	(2,831.20)	863,504
2/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03434	0.00000	228,100.00	114,050.00	4,885.62	-		4,885.62	871,221	(11)	(2,831.20)	868,390
2/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03427	0.00000	228,100.00	114,050.00	4,875.78	-		4,875.78	876,097	(11)	(2,831.20)	873,265
2/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03420	0.00000	228,100.00	114,050.00	4,865.94	-		4,865.94	880,962	(11)	(2,831.20)	878,131
2/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03413	0.00000	228,100.00	114,050.00	4,856.10	-		4,856.10	885,819	(11)	(2,831.20)	882,987
2/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03407	0.00000	228,100.00	114,050.00	4,846.26	-		4,846.26	890,665	(11)	(2,831.20)	887,834
2/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03400	0.00000	228,100.00	114,050.00	4,836.43	-		4,836.43	895,501	(11)	(2,831.20)	892,670
2/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03393	0.00000	228,100.00	114,050.00	4,826.59	-		4,826.59	900,328	(11)	(2,831.20)	897,497
2/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03386	0.00000	228,100.00	114,050.00	4,816.75	-		4,816.75	905,145	(11)	(2,831.20)	902,313
2/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,806.91	-		4,806.91	909,951	(11)	(2,831.20)	907,120
2/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,797.07	-		4,797.07	914,749	(11)	(2,831.20)	911,917
2/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03365	0.00000	228,100.00	114,050.00	4,787.24	-		4,787.24	919,536	(11)	(2,831.20)	916,705
2/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,807.71	-		4,807.71	924,344	(11)	(2,831.20)	921,512
2/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03394	0.00000	228,100.00	114,050.00	4,828.18	-		4,828.18	929,172	(11)	(2,831.20)	926,340
2/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03408	0.00000	228,100.00	114,050.00	4,848.66	-		4,848.66	934,020	(11)	(2,831.20)	931,189
2/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03423	0.00000	228,100.00	114,050.00	4,869.13	-		4,869.13	938,889	(11)	(2,831.20)	936,058
2/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03444	0.00000	228,100.00	114,050.00	4,899.44	-		4,899.44	943,789	(11)	(2,831.20)	940,958
2/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03465	0.00000	228,100.00	114,050.00	4,929.76	-		4,929.76	948,719	(11)	(2,831.20)	945,887
2/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03486	0.00000	228,100.00	114,050.00	4,960.07	-		4,960.07	953,679	(11)	(2,831.20)	950,848
2/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03508	0.00000	228,100.00	114,050.00	4,990.38	-		4,990.38	958,669	(11)	(2,831.20)	955,838
2/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03529	0.00000	228,100.00	114,050.00	5,020.69	-		5,020.69	963,690	(11)	(2,831.20)	960,859
2/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03550	0.00000	228,100.00	114,050.00	5,051.01	-		5,051.01	968,741	(11)	(2,831.20)	965,910
2/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03572	0.00000	228,100.00	114,050.00	5,081.32	-		5,081.32	973,822	(11)	(2,831.20)	970,991
2/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03593	0.00000	228,100.00	114,050.00	5,111.63	-		5,111.63	978,934	(11)	(2,831.20)	976,103
2/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03614	0.00000	228,100.00	114,050.00	5,141.94	-		5,141.94	984,076	(11)	(2,831.20)	981,245
3/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.00000	228,100.00	114,050.00	5,202.57	-		5,202.57	989,278	(11)	(2,831.20)	986,447
3/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03678	0.00000	228,100.00	114,050.00	5,232.88	-		5,232.88	994,511	(11)	(2,831.20)	991,680
3/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03700	0.00000	228,100.00	114,050.00	5,263.19	-		5,263.19	999,774	(11)	(2,831.20)	996,943
3/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03721	0.00000	228,100.00	114,050.00	5,293.51	-		5,293.51	1,005,068	(11)	(2,831.20)	1,002,237
3/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03742	0.00000	228,100.00	114,050.00	5,323.82	-		5,323.82	1,010,392	(11)	(2,831.20)	1,007,561
3/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03763	0.00000	228,100.00	114,050.00	5,354.13	-		5,354.13	1,015,746	(11)	(2,831.20)	1,012,915
3/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03785	0.00000	228,100.00	114,050.00	5,384.44	-		5,384.44	1,021,130	(11)	(2,831.20)	1,018,299
3/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03806	0.00000	228,100.00	114,050.00	5,414.76	-		5,414.76	1,026,545	(11)	(2,831.20)	1,023,714
3/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03827	0.00000	228,100.00	114,050.00	5,445.07	-		5,445.07	1,031,990	(11)	(2,831.20)	1,029,159
3/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03849	0.00000	228,100.00	114,050.00	5,475.38	-		5,475.38	1,037,465	(11)	(2,831.20)	1,034,634
3/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03870	0.00000	228,100.00	114,050.00	5,505.69	-		5,505.69	1,042,971	(11)	(2,831.20)	1,040,140
3/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.00000	228,100.00	114,050.00	5,536.01	-		5,536.01	1,048,507	(11)	(2,831.20)	1,045,676
3/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03913	0.00000	228,100.00	114,050.00	5,566.32	-		5,566.32	1,054,074	(11)	(2,831.20)	1,051,242
3/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03934	0.00000	228,100.00	114,050.00	5,596.63	-		5,596.63	1,059,670	(11)	(2,831.20)	1,056,839
3/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03955	0.00000	228,100.00	114,050.00	5,626.94	-		5,626.94	1,065,297	(11)	(2,831.20)	1,062,466
3/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03977	0.00000	228,100.00	114,050.00	5,657.26	-		5,657.26	1,070,954	(11)	(2,831.20)	1,068,123
3/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03998	0.00000	228,100.00	114,050.00	5,687.57	-		5,687.57	1,076,642	(11)	(2,831.20)	1,073,811
3/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03965	0.00000	228,100.00	114,050.00	5,641.13	-		5,641.13	1,082,283	(11)	(2,831.20)	1,079,452
3/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03911	0.00000	228,100.00	114,050.00	5,564.39	-		5,564.39	1,087,847	(11)	(2,831.20)	1,085,016
3/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03857	0.00000	228,100.00	114,050.00	5,487.64	-		5,487.64	1,093,335	(11)	(2,831.20)	1,090,504
3/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03803	0.00000	228,100.00	114,050.00	5,410.89	-		5,410.89	1,098,746	(11)	(2,831.20)	1,095,915
3/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03749	0.00000	228,100.00	114,050.00	5,334.14	-		5,334.14	1,104,080	(11)	(2,831.20)	1,101,249
3/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03695	0.00000	228,100.00	114,050.00	5,257.40	-		5,257.40	1,109,337	(11)	(2,831.20)	1,106,506
3/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03642	0.00000	228,100.00	114,050.00	5,180.65	-		5,180.65	1,114,518	(11)	(2,831.20)	1,111,687
3/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03588	0.00000	228,100.00	114,050.00	5,103.90	-		5,103.90	1,119,622	(11)	(2,831.20)	1,116,791
3/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03534	0.00000	228,100.00	114,050.00	5,027.16	-		5,027.16	1,124,649	(11)	(2,831.20)	1,121,818
3/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03480	0.00000	228,100.00	114,050.00	4,950.41	-		4,950.41	1,129,600	(11)	(2,831.20)	1,126,768

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - June 1- Oct. 31 @ 350 tonnes per day

2006 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
3/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03426	0.00000	228,100.00	114,050.00	4,873.66	-		4,873.66	1,134,473	(11)	(2,831.20)	1,131,642
3/29/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,796.91	-		4,796.91	1,139,270	(11)	(2,831.20)	1,136,439
3/30/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03318	0.00000	228,100.00	114,050.00	4,720.17	-		4,720.17	1,143,990	(11)	(2,831.20)	1,141,159
3/31/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03264	0.00000	228,100.00	114,050.00	4,643.42	-		4,643.42	1,148,634	(11)	(2,831.20)	1,145,803
4/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03210	0.00000	228,100.00	114,050.00	4,566.67	-		4,566.67	1,153,200	(11)	(2,831.20)	1,150,369
4/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03156	0.00000	228,100.00	114,050.00	4,489.93	-		4,489.93	1,157,690	(11)	(2,831.20)	1,154,859
4/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03102	0.00000	228,100.00	114,050.00	4,413.18	-		4,413.18	1,162,104	(11)	(2,831.20)	1,159,272
4/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03048	0.00000	228,100.00	114,050.00	4,336.43	-		4,336.43	1,166,440	(11)	(2,831.20)	1,163,609
4/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02994	0.00000	228,100.00	114,050.00	4,259.68	-		4,259.68	1,170,700	(11)	(2,831.20)	1,167,868
4/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02940	0.00000	228,100.00	114,050.00	4,182.94	-		4,182.94	1,174,883	(11)	(2,831.20)	1,172,051
4/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.00000	228,100.00	114,050.00	4,106.19	-		4,106.19	1,178,989	(11)	(2,831.20)	1,176,158
4/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02832	0.00000	228,100.00	114,050.00	4,029.44	-		4,029.44	1,183,018	(11)	(2,831.20)	1,180,187
4/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02778	0.00000	228,100.00	114,050.00	3,952.70	-		3,952.70	1,186,971	(11)	(2,831.20)	1,184,140
4/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02724	0.00000	228,100.00	114,050.00	3,875.95	-		3,875.95	1,190,847	(11)	(2,831.20)	1,188,016
4/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02671	0.00000	228,100.00	114,050.00	3,799.20	-		3,799.20	1,194,646	(11)	(2,831.20)	1,191,815
4/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02617	0.00000	228,100.00	114,050.00	3,722.45	-		3,722.45	1,198,369	(11)	(2,831.20)	1,195,537
4/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02563	0.00000	228,100.00	114,050.00	3,645.71	-		3,645.71	1,202,014	(11)	(2,831.20)	1,199,183
4/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02509	0.00000	228,100.00	114,050.00	3,568.96	-		3,568.96	1,205,583	(11)	(2,831.20)	1,202,752
4/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02455	0.00000	228,100.00	114,050.00	3,492.21	-		3,492.21	1,209,075	(11)	(2,831.20)	1,206,244
4/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02401	0.00000	228,100.00	114,050.00	3,415.47	-		3,415.47	1,212,491	(11)	(2,831.20)	1,209,660
4/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02385	0.00000	228,100.00	114,050.00	3,393.13	-		3,393.13	1,215,884	(11)	(2,831.20)	1,213,053
4/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02369	0.00000	228,100.00	114,050.00	3,370.79	-		3,370.79	1,219,255	(11)	(2,831.20)	1,216,424
4/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02408	0.00000	228,100.00	114,050.00	3,425.21	-		3,425.21	1,222,680	(11)	(2,831.20)	1,219,849
4/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02446	0.00000	228,100.00	114,050.00	3,479.62	-		3,479.62	1,226,160	(11)	(2,831.20)	1,223,328
4/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02484	0.00000	228,100.00	114,050.00	3,534.03	-		3,534.03	1,229,694	(11)	(2,831.20)	1,226,862
4/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02522	0.00000	228,100.00	114,050.00	3,588.44	-		3,588.44	1,233,282	(11)	(2,831.20)	1,230,451
4/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02561	0.00000	228,100.00	114,050.00	3,642.85	-		3,642.85	1,236,925	(11)	(2,831.20)	1,234,094
4/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02599	0.00012	228,100.00	114,050.00	3,697.26	8.63		3,688.64	1,240,614	(11)	(2,831.20)	1,237,782
4/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02637	0.00294	228,100.00	114,050.00	3,751.68	208.96		3,542.72	1,244,156	(11)	(2,831.20)	1,241,325
4/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02675	0.00574	228,100.00	114,050.00	3,806.09	408.56		3,397.52	1,247,554	(11)	(2,831.20)	1,244,723
4/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02714	0.00854	228,100.00	114,050.00	3,860.50	607.39		3,253.11	1,250,807	(11)	(2,831.20)	1,247,976
4/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02752	0.01132	228,100.00	114,050.00	3,914.91	805.38		3,109.53	1,253,916	(11)	(2,831.20)	1,251,085
4/29/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02790	0.01409	228,100.00	114,050.00	3,969.32	1,002.47		2,966.85	1,256,883	(11)	(2,831.20)	1,254,052
4/30/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02828	0.01685	228,100.00	114,050.00	4,023.73	1,198.61		2,825.13	1,259,708	(11)	(2,831.20)	1,256,877
5/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.01959	228,100.00	114,050.00	4,106.18	1,393.73		2,712.45	1,262,421	(11)	(2,831.20)	1,259,590
5/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02923	0.02232	228,100.00	114,050.00	4,158.94	1,587.77		2,571.17	1,264,992	(11)	(2,831.20)	1,262,161
5/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02960	0.02503	228,100.00	114,050.00	4,211.70	1,780.69		2,431.01	1,267,423	(11)	(2,831.20)	1,264,592
5/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02998	0.02773	228,100.00	114,050.00	4,264.47	1,972.42		2,292.05	1,269,715	(11)	(2,831.20)	1,266,884
5/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03035	0.03041	228,100.00	114,050.00	4,317.23	2,162.90		2,154.32	1,271,869	(11)	(2,831.20)	1,269,038
5/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03072	0.03307	228,100.00	114,050.00	4,369.99	2,352.09		2,017.90	1,273,887	(11)	(2,831.20)	1,271,056
5/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03109	0.03571	228,100.00	114,050.00	4,422.75	2,539.92		1,882.83	1,275,770	(11)	(2,831.20)	1,272,939
5/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03146	0.03833	228,100.00	114,050.00	4,475.52	2,726.34		1,749.18	1,277,519	(11)	(2,831.20)	1,274,688
5/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03183	0.04093	228,100.00	114,050.00	4,528.28	2,911.29		1,616.99	1,279,136	(11)	(2,831.20)	1,276,305
5/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03220	0.04351	228,100.00	114,050.00	4,581.04	3,094.71		1,486.33	1,280,623	(11)	(2,831.20)	1,277,791
5/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03257	0.04606	228,100.00	114,050.00	4,633.80	3,276.56		1,357.24	1,281,980	(11)	(2,831.20)	1,279,149
5/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03294	0.04860	228,100.00	114,050.00	4,686.57	3,456.79		1,229.78	1,283,210	(11)	(2,831.20)	1,280,378
5/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03331	0.05111	228,100.00	114,050.00	4,739.33	3,635.32		1,104.01	1,284,314	(11)	(2,831.20)	1,281,483
5/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03368	0.05359	228,100.00	114,050.00	4,792.09	3,812.12		979.97	1,285,294	(11)	(2,831.20)	1,282,462
5/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05605	228,100.00	114,050.00	4,844.86	3,987.13		857.72	1,286,151	(11)	(2,831.20)	1,283,320
5/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05849	228,100.00	114,050.00	4,844.86	4,160.30		684.55	1,286,836	(11)	(2,831.20)	1,284,005
5/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03443	0.06089	228,100.00	114,050.00	4,897.62	4,331.58		566.04	1,287,402	(11)	(2,831.20)	1,284,571
5/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03527	0.06328	228,100.00	114,050.00	5,016.98	4,500.92		516.07	1,287,918	(11)	(2,831.20)	1,285,087
5/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03610	0.06563	228,100.00	114,050.00	5,136.35	4,668.26		468.09	1,288,386	(11)	(2,831.20)	1,285,555
5/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.06795	228,100.00	114,050.00	5,202.95	4,833.56		369.39	1,288,756	(11)	(2,831.20)	1,285,924
5/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03704	0.07025	228,100.00	114,050.00	5,269.55	4,996.76		272.78	1,289,028	(11)	(2,831.20)	1,286,197
5/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03751	0.07251	228,100.00	114,050.00	5,336.15	5,157.83		178.32	1,289,207	(11)	(2,831.20)	1,286,375
5/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03798	0.07474	228,100.00	114,050.00	5,402.75	5,316.71		86.04	1,289,293	(11)	(2,831.20)	1,286,461
5/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03844	0.07695	228,100.00	114,050.00	5,469.35	5,473.35		(4.01)	1,289,289	(11)	(2,831.20)	1,286,457
5/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.07912	228,100.00	114,050.00	5,535.95	5,627.72		(91.77)	1,289,197	(11)	(2,831.20)	1,286,366
5/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03938	0.08125	228,100.00	114,050.00	5,602.55	5,779.75		(177.20)	1,289,020	(11)	(2,831.20)	1,286,188
5/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.08336	228,100.00	114,050.00	5,669.15	5,929.42		(260.27)	1,288,759	(11)	(2,831.20)	1,285,928
5/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04032	0.08543	228,100.00	114,050.00	5,735.75	6,076.66		(340.91)	1,288,419	(11)	(2,831.20)	1,285,587
5/29/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04079	0.08746	228,100.00	114,050.00	5,802.35	6,221.45		(419.10)	1,287,999	(11)	(2,831.20)	1,285,168
5/30/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04125	0.08946	228,100.00	114,050.00	5,868.95	6,363.73		(494.79)	1,287,505	(11)	(2,831.20)	1,284,673
5/31/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04172	0.09143	228,100.00	114,050.00	5,935.55	6,503.47		(567.92)	1,286,937	(11)	(2,831.20)	1,284,105
6/1/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04219	0.09336	228,100.00	114,050.00	6,002.15	6,640.63	108,000	(108,638.48)	1,178,298	(3)	(700.56)	1,177,598
6/2/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04289	0.09525	228,100.00	114,050.00	6,102.05	6,775.15	108,000	(108,673.10)	1,069,625	(3)	(700.56)	1,068,925
6/3/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04337	0.09710	228,100.00	114,050.00	6,170.73	6,907.01	108,000	(108,736.28)	960,889	(3)	(700.56)	960,188
6/4/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04386	0.09892	228,100.00	114,050.00	6,239.41	7,036.16	108,000	(108,796.75)	852,092	(3)	(700.56)	851,392
6/5/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04434	0.10069	228,100.00	114,050.00	6,308.09	7,162.57	108,000	(108,854.47)	743,238	(3)	(700.56)	742,537
6/6/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04482	0.10243	228,100.00	114,050.00	6,376.78	7,286.19	108,000	(108,909.42)	634,328	(3)	(700.56)	633,628
6/7/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04531	0.10413	228,100.00	114,050.00	6,445.46	7,407.00	108,000	(108,961.54)	525,367	(3)	(700.56)	524,666
6/8/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04579	0.10579	228,100.00	114,050.00	6,514.14	7,524.95	108,000	(109,010.81)	416,356	(3)	(700.56)	415,655
6/9/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04627	0.10741	228,100.00	114,050.00	6,582.82	7,640.02	108,000	(109,057.19)	307,299	(3)	(700.56)	306,598
6/10/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04675	0.10898	228,100.00	114,050.00	6,651.50	7,752.16	108,000	(109,100.65)	198,198	(3)	(700.56)	197,497
6/11/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04724	0.11052	228,100.00	114,050.00	6,720.18	7,861.34	108,000	(109,141.15)	89,057	(3)	(700.56)	88,356
6/12/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04772	0.11201	228,100.00	114,050.00	6,788.87	7,967.53	108,000	(109,178.67)	(20,122)	(3)	(700.56)	(20,822)
6/13/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04820	0.11346	228,100.00	114,050.00	6,857.55	8,070.71	-	(1,213.16)	(21,335)	(3)	(700.56)	(22,036)
6/14/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04869	0.11487	228,100.00	114,050.00	6,926.23	8,170.83	-	(1,244.60)	(22,580)	(3)	(700.56)	(23,280)
6/15/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04917	0.11623	228,100.00	114,050.00	6,994.91	8,267.87	-	(1,272.96)	(23,853)	(3)	(700.56)	(24,553)
6/16/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04965	0.11755	228,100.00	114,050.00	7,063.59	8,361.81	-	(1,298.21)	(25,151)	(3)	(700.56)	(25,851)
6/17/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05147	0.11883	228,100.00	114,050.00	7,322.31	8,452.60	-	(1,130.29)	(26,281)	(3)	(700.56)	(26,982)

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - June 1- Oct. 31 @ 350 tonnes per day

2006 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
6/18/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05329	0.12006	228,100.00	114,050.00	7,581.03	8,540.23	-	(959.20)	(27,240)	(3)	(700.56)	(27,941)
6/19/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05462	0.12125	228,100.00	114,050.00	7,771.07	8,624.67	-	(853.61)	(28,094)	(3)	(700.56)	(28,794)
6/20/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05596	0.12239	228,100.00	114,050.00	7,961.11	8,705.90	-	(744.79)	(28,839)	(3)	(700.56)	(29,539)
6/21/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05730	0.12349	228,100.00	114,050.00	8,151.14	8,783.89	-	(632.74)	(29,471)	(3)	(700.56)	(30,172)
6/22/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05863	0.12454	228,100.00	114,050.00	8,341.18	8,858.61	-	(517.43)	(29,989)	(3)	(700.56)	(30,689)
6/23/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05997	0.12554	228,100.00	114,050.00	8,531.22	8,930.05	-	(398.83)	(30,388)	(3)	(700.56)	(31,088)
6/24/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06130	0.12650	228,100.00	114,050.00	8,721.26	8,998.19	-	(276.93)	(30,665)	(3)	(700.56)	(31,365)
6/25/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06264	0.12741	228,100.00	114,050.00	8,911.29	9,062.99	-	(151.70)	(30,816)	(3)	(700.56)	(31,517)
6/26/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06397	0.12827	228,100.00	114,050.00	9,101.33	9,124.46	-	(23.13)	(30,839)	(3)	(700.56)	(31,540)
6/27/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06531	0.12909	228,100.00	114,050.00	9,291.37	9,182.56	-	108.81	(30,731)	(3)	(700.56)	(31,431)
6/28/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06665	0.12986	228,100.00	114,050.00	9,481.41	9,237.28	-	244.13	(30,486)	(3)	(700.56)	(31,187)
6/29/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06798	0.13058	228,100.00	114,050.00	9,671.44	9,288.60	-	382.84	(30,104)	(3)	(700.56)	(30,804)
6/30/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06932	0.13126	228,100.00	114,050.00	9,861.48	9,336.51	-	524.97	(29,579)	(3)	(700.56)	(30,279)
7/1/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07065	0.13188	228,100.00	114,050.00	10,051.52	9,381.00	-	670.52	(28,908)	(3)	(700.56)	(29,609)
7/2/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07199	0.13246	228,100.00	114,050.00	10,241.56	9,422.04	-	819.51	(28,089)	(3)	(700.56)	(28,789)
7/3/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07333	0.13299	228,100.00	114,050.00	10,431.59	9,459.64	-	971.95	(27,117)	(3)	(700.56)	(27,817)
7/4/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07466	0.13347	228,100.00	114,050.00	10,621.63	9,493.77	-	1,127.86	(25,989)	(3)	(700.56)	(26,689)
7/5/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07600	0.13390	228,100.00	114,050.00	10,811.67	9,524.43	-	1,287.24	(24,702)	(3)	(700.56)	(25,402)
7/6/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07733	0.13428	228,100.00	114,050.00	11,001.71	9,551.61	-	1,450.10	(23,251)	(3)	(700.56)	(23,952)
7/7/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07867	0.13461	228,100.00	114,050.00	11,191.74	9,575.30	-	1,616.45	(21,635)	(3)	(700.56)	(22,336)
7/8/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08000	0.13490	228,100.00	114,050.00	11,381.78	9,595.49	-	1,786.29	(19,849)	(3)	(700.56)	(20,549)
7/9/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08134	0.13513	228,100.00	114,050.00	11,571.82	9,612.18	-	1,959.64	(17,889)	(3)	(700.56)	(18,590)
7/10/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08268	0.13532	228,100.00	114,050.00	11,761.86	9,625.36	-	2,136.50	(15,753)	(3)	(700.56)	(16,453)
7/11/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08401	0.13545	228,100.00	114,050.00	11,951.90	9,635.02	-	2,316.87	(13,436)	(3)	(700.56)	(14,136)
7/12/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08535	0.13554	228,100.00	114,050.00	12,141.93	9,641.18	-	2,500.75	(10,935)	(3)	(700.56)	(11,636)
7/13/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08668	0.13558	228,100.00	114,050.00	12,331.97	9,643.82	-	2,688.15	(8,247)	(3)	(700.56)	(8,947)
7/14/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08802	0.13556	228,100.00	114,050.00	12,522.01	9,642.94	-	2,879.07	(5,368)	(3)	(700.56)	(6,068)
7/15/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08935	0.13550	228,100.00	114,050.00	12,712.05	9,638.54	-	3,073.50	(2,294)	(3)	(700.56)	(2,995)
7/16/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09069	0.13539	228,100.00	114,050.00	12,902.08	9,630.63	-	3,271.45	977	(3)	(700.56)	277
7/17/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09203	0.13523	228,100.00	114,050.00	13,092.12	9,619.20	-	3,472.92	4,450	(3)	(700.56)	3,750
7/18/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09324	0.13502	228,100.00	114,050.00	13,265.41	9,604.27	-	3,661.14	8,111	(3)	(700.56)	7,411
7/19/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09313	0.13476	228,100.00	114,050.00	13,248.66	9,585.83	-	3,662.83	11,774	(3)	(700.56)	11,074
7/20/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09301	0.13445	228,100.00	114,050.00	13,231.90	9,563.89	-	3,668.01	15,442	(3)	(700.56)	14,742
7/21/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09289	0.13409	228,100.00	114,050.00	13,215.15	9,538.46	-	3,676.70	19,119	(3)	(700.56)	18,418
7/22/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09277	0.13369	228,100.00	114,050.00	13,198.40	9,509.54	-	3,688.86	22,808	(3)	(700.56)	22,107
7/23/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09266	0.13323	228,100.00	114,050.00	13,181.65	9,477.14	-	3,704.51	26,512	(3)	(700.56)	25,812
7/24/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09254	0.13273	228,100.00	114,050.00	13,164.90	9,441.27	-	3,723.62	30,236	(3)	(700.56)	29,535
7/25/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09242	0.13218	228,100.00	114,050.00	13,148.15	9,401.95	-	3,746.19	33,982	(3)	(700.56)	33,281
7/26/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09230	0.13157	228,100.00	114,050.00	13,131.39	9,359.19	-	3,772.21	37,754	(3)	(700.56)	37,054
7/27/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09218	0.13092	228,100.00	114,050.00	13,114.64	9,312.99	-	3,801.66	41,556	(3)	(700.56)	40,855
7/28/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09207	0.13023	228,100.00	114,050.00	13,097.89	9,263.37	-	3,834.52	45,390	(3)	(700.56)	44,690
7/29/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09195	0.12948	228,100.00	114,050.00	13,081.14	9,210.34	-	3,870.80	49,261	(3)	(700.56)	48,561
7/30/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09183	0.12869	228,100.00	114,050.00	13,064.39	9,153.93	-	3,910.46	53,172	(3)	(700.56)	52,471
7/31/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09171	0.12785	228,100.00	114,050.00	13,047.64	9,094.15	-	3,953.49	57,125	(3)	(700.56)	56,425
8/1/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09160	0.12696	228,100.00	114,050.00	13,030.88	9,031.01	-	3,999.88	61,125	(3)	(700.56)	60,424
8/2/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09148	0.12603	228,100.00	114,050.00	13,014.13	8,964.53	-	4,049.60	65,175	(3)	(700.56)	64,474
8/3/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09136	0.12504	228,100.00	114,050.00	12,997.38	8,894.74	-	4,102.64	69,277	(3)	(700.56)	68,577
8/4/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09124	0.12402	228,100.00	114,050.00	12,980.63	8,821.66	-	4,158.97	73,436	(3)	(700.56)	72,736
8/5/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09112	0.12294	228,100.00	114,050.00	12,963.88	8,745.30	-	4,218.58	77,655	(3)	(700.56)	76,954
8/6/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09101	0.12182	228,100.00	114,050.00	12,947.13	8,665.69	-	4,281.44	81,936	(3)	(700.56)	81,236
8/7/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09089	0.12066	228,100.00	114,050.00	12,930.37	8,582.85	-	4,347.52	86,284	(3)	(700.56)	85,583
8/8/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09077	0.11945	228,100.00	114,050.00	12,913.62	8,496.81	-	4,416.81	90,701	(3)	(700.56)	90,000
8/9/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09065	0.11820	228,100.00	114,050.00	12,896.87	8,407.60	-	4,489.27	95,190	(3)	(700.56)	94,489
8/10/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09054	0.11690	228,100.00	114,050.00	12,880.12	8,315.23	-	4,564.89	99,755	(3)	(700.56)	99,054
8/11/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09042	0.11556	228,100.00	114,050.00	12,863.37	8,219.74	-	4,643.63	104,398	(3)	(700.56)	103,698
8/12/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09030	0.11417	228,100.00	114,050.00	12,846.62	8,121.15	-	4,725.47	109,124	(3)	(700.56)	108,423
8/13/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09018	0.11274	228,100.00	114,050.00	12,829.87	8,019.50	-	4,810.37	113,934	(3)	(700.56)	113,234
8/14/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09007	0.11127	228,100.00	114,050.00	12,813.11	7,914.81	-	4,898.30	118,832	(3)	(700.56)	118,132
8/15/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08995	0.10975	228,100.00	114,050.00	12,796.36	7,807.12	-	4,989.24	123,822	(3)	(700.56)	123,121
8/16/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08983	0.10820	228,100.00	114,050.00	12,779.61	7,696.45	-	5,083.16	128,905	(3)	(700.56)	128,204
8/17/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08971	0.10660	228,100.00	114,050.00	12,762.86	7,582.85	-	5,180.01	134,085	(3)	(700.56)	133,384
8/18/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08980	0.10496	228,100.00	114,050.00	12,774.77	7,466.33	-	5,308.44	139,393	(3)	(700.56)	138,693
8/19/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09000	0.10329	228,100.00	114,050.00	12,803.43	7,346.95	-	5,456.48	144,850	(3)	(700.56)	144,149
8/20/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09020	0.10157	228,100.00	114,050.00	12,832.10	7,224.73	-	5,607.37	150,457	(3)	(700.56)	149,757
8/21/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09040	0.09981	228,100.00	114,050.00	12,860.76	7,099.71	-	5,761.05	156,218	(3)	(700.56)	155,518
8/22/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09060	0.09801	228,100.00	114,050.00	12,889.43	6,971.92	-	5,917.50	162,136	(3)	(700.56)	161,435
8/23/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09080	0.09618	228,100.00	114,050.00	12,918.09	6,841.41	-	6,076.68	168,212	(3)	(700.56)	167,512
8/24/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09100	0.09431	228,100.00	114,050.00	12,946.75	6,708.22	-	6,238.54	174,451	(3)	(700.56)	173,750
8/25/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09121	0.09240	228,100.00	114,050.00	12,975.42	6,572.37	-	6,403.04	180,854	(3)	(700.56)	180,153
8/26/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09141	0.09045	228,100.00	114,050.00	13,004.08	6,433.92	-	6,570.16	187,424	(3)	(700.56)	186,724
8/27/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09161	0.08847	228,100.00	114,050.00	13,032.75	6,292.91	-	6,739.84	194,164	(3)	(700.56)	193,463
8/28/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09181	0.08645	228,100.00	114,050.00	13,061.41	6,149.37	-	6,912.04	201,076	(3)	(700.56)	200,375
8/29/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09201	0.08440	228,100.00	114,050.00	13,090.07	6,003.34	-	7,086.73	208,163	(3)	(700.56)	207,462
8/30/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09221	0.08231	228,100.00	114,050.00	13,118.74	5,854.88	-	7,263.85	215,427	(3)	(700.56)	214,726
8/31/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09241	0.08019	228,100.00	114,050.00	13,147.40	5,704.03	-	7,443.37	222,870	(3)	(700.56)	222,169
9/1/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09262	0.07803	228,100.00	114,050.00	13,176.06	5,550.82	-	7,625.24	230,495	(3)	(700.56)	229,795
9/2/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09282	0.07585	228,100.00	114,050.00	13,204.73	5,395.31	-	7,809.42	238,305	(3)	(700.56)	237,604
9/3/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09302	0.07363	228,100.00	114,050.00	13,233.39	5,237.55	-	7,995.85	246,301	(3)	(700.56)	245,600
9/4/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09322	0.07138	228,100.00	114,050.00	13,262.06	5,077.57	-	8,184.49	254,485	(3)	(700.56)	253,784
9/5/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09342	0.06910	228,100.00	114,050.00	13,290.72	4,915.42	-	8,375.30	262,860	(3)	(700.56)	262,160
9/6/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09362	0.06679	228,100.00	114,050.00	13,319.38	4,751.17	-	8,568.22	271,429	(3)	(700.56)	270,728
9/7/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09383	0.06445	228,100.00	114,050.00	13,348.05	4,584.84	-	8,763.21	280,192	(3)	(700.56)	279,491

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - June 1- Oct. 31 @ 350 tonnes per day

2006 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
9/8/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09403	0.06209	228,100.00	114,050.00	13,376.71	4,416.49	-	8,960.22	289,152	(3)	(700.56)	288,451
9/9/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09423	0.05969	228,100.00	114,050.00	13,405.38	4,246.18	-	9,159.19	298,311	(3)	(700.56)	297,611
9/10/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09443	0.05727	228,100.00	114,050.00	13,434.04	4,073.95	-	9,360.09	307,671	(3)	(700.56)	306,971
9/11/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09463	0.05483	228,100.00	114,050.00	13,462.70	3,899.85	-	9,562.85	317,234	(3)	(700.56)	316,534
9/12/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09483	0.05235	228,100.00	114,050.00	13,491.37	3,723.94	-	9,767.43	327,001	(3)	(700.56)	326,301
9/13/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09503	0.04985	228,100.00	114,050.00	13,520.03	3,546.27	-	9,973.76	336,975	(3)	(700.56)	336,275
9/14/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09524	0.04733	228,100.00	114,050.00	13,548.70	3,366.88	-	10,181.81	347,157	(3)	(700.56)	346,457
9/15/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09544	0.04479	228,100.00	114,050.00	13,577.36	3,185.84	-	10,391.52	357,549	(3)	(700.56)	356,848
9/16/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09564	0.04222	228,100.00	114,050.00	13,606.02	3,003.19		10,602.83	368,151	(3)	(700.56)	367,451
9/17/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09453	0.03963	228,100.00	114,050.00	13,447.81	2,819.00		10,628.82	378,780	(3)	(700.56)	378,080
9/18/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09341	0.03702	228,100.00	114,050.00	13,289.60	2,633.31		10,656.30	389,437	(3)	(700.56)	388,736
9/19/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09210	0.03439	228,100.00	114,050.00	13,102.73	2,446.18		10,656.55	400,093	(3)	(700.56)	399,393
9/20/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09079	0.03174	228,100.00	114,050.00	12,915.86	2,257.66		10,658.19	410,751	(3)	(700.56)	410,051
9/21/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08947	0.02907	228,100.00	114,050.00	12,728.98	2,067.82		10,661.16	421,412	(3)	(700.56)	420,712
9/22/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08816	0.02638	228,100.00	114,050.00	12,542.11	1,876.71		10,665.40	432,078	(3)	(700.56)	431,377
9/23/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08685	0.02368	228,100.00	114,050.00	12,355.24	1,684.38		10,670.86	442,749	(3)	(700.56)	442,048
9/24/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08553	0.02096	228,100.00	114,050.00	12,168.36	1,490.89		10,677.48	453,426	(3)	(700.56)	452,726
9/25/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08422	0.01822	228,100.00	114,050.00	11,981.49	1,296.30		10,685.19	464,111	(3)	(700.56)	463,411
9/26/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08291	0.01547	228,100.00	114,050.00	11,794.62	1,100.66		10,693.95	474,805	(3)	(700.56)	474,105
9/27/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08159	0.01271	228,100.00	114,050.00	11,607.74	904.04		10,703.70	485,509	(3)	(700.56)	484,808
9/28/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08028	0.00993	228,100.00	114,050.00	11,420.87	706.50		10,714.37	496,223	(3)	(700.56)	495,523
9/29/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07897	0.00714	228,100.00	114,050.00	11,234.00	508.08		10,725.92	506,949	(3)	(700.56)	506,249
9/30/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07765	0.00434	228,100.00	114,050.00	11,047.12	308.85		10,738.27	517,688	(3)	(700.56)	516,987
10/1/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07634	0.00153	228,100.00	114,050.00	10,860.25	108.88		10,751.37	528,439	(3)	(700.56)	527,738
10/2/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07502	0.00000	228,100.00	114,050.00	10,673.38	-		10,673.38	539,112	(3)	(700.56)	538,412
10/3/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07371	0.00000	228,100.00	114,050.00	10,486.50	-		10,486.50	549,599	(3)	(700.56)	548,898
10/4/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07240	0.00000	228,100.00	114,050.00	10,299.63	-		10,299.63	559,898	(3)	(700.56)	559,198
10/5/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07108	0.00000	228,100.00	114,050.00	10,112.76	-		10,112.76	570,011	(3)	(700.56)	569,311
10/6/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06977	0.00000	228,100.00	114,050.00	9,925.88	-		9,925.88	579,937	(3)	(700.56)	579,237
10/7/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06846	0.00000	228,100.00	114,050.00	9,739.01	-		9,739.01	589,676	(3)	(700.56)	588,976
10/8/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06714	0.00000	228,100.00	114,050.00	9,552.14	-		9,552.14	599,228	(3)	(700.56)	598,528
10/9/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06583	0.00000	228,100.00	114,050.00	9,365.26	-		9,365.26	608,594	(3)	(700.56)	607,893
10/10/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06452	0.00000	228,100.00	114,050.00	9,178.39	-		9,178.39	617,772	(3)	(700.56)	617,071
10/11/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06320	0.00000	228,100.00	114,050.00	8,991.51	-		8,991.51	626,763	(3)	(700.56)	626,063
10/12/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06189	0.00000	228,100.00	114,050.00	8,804.64	-		8,804.64	635,568	(3)	(700.56)	634,867
10/13/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06058	0.00000	228,100.00	114,050.00	8,617.77	-		8,617.77	644,186	(3)	(700.56)	643,485
10/14/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05926	0.00000	228,100.00	114,050.00	8,430.89	-		8,430.89	652,617	(3)	(700.56)	651,916
10/15/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05795	0.00000	228,100.00	114,050.00	8,244.02	-		8,244.02	660,861	(3)	(700.56)	660,160
10/16/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05663	0.00000	228,100.00	114,050.00	8,057.15	-		8,057.15	668,918	(3)	(700.56)	668,217
10/17/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05532	0.00000	228,100.00	114,050.00	7,870.27	-		7,870.27	676,788	(3)	(700.56)	676,088
10/18/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05397	0.00000	228,100.00	114,050.00	7,677.94	-		7,677.94	684,466	(3)	(700.56)	683,766
10/19/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05393	0.00000	228,100.00	114,050.00	7,672.48	-		7,672.48	692,139	(3)	(700.56)	691,438
10/20/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05389	0.00000	228,100.00	114,050.00	7,667.02	-		7,667.02	699,806	(3)	(700.56)	699,105
10/21/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05385	0.00000	228,100.00	114,050.00	7,661.56	-		7,661.56	707,467	(3)	(700.56)	706,767
10/22/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05382	0.00000	228,100.00	114,050.00	7,656.10	-		7,656.10	715,123	(3)	(700.56)	714,423
10/23/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05378	0.00000	228,100.00	114,050.00	7,650.64	-		7,650.64	722,774	(3)	(700.56)	722,073
10/24/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05374	0.00000	228,100.00	114,050.00	7,645.18	-		7,645.18	730,419	(3)	(700.56)	729,719
10/25/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05370	0.00000	228,100.00	114,050.00	7,639.72	-		7,639.72	738,059	(3)	(700.56)	737,358
10/26/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05366	0.00000	228,100.00	114,050.00	7,634.26	-		7,634.26	745,693	(3)	(700.56)	744,993
10/27/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05362	0.00000	228,100.00	114,050.00	7,628.80	-		7,628.80	753,322	(3)	(700.56)	752,621
10/28/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05359	0.00000	228,100.00	114,050.00	7,623.34	-		7,623.34	760,945	(3)	(700.56)	760,245
10/29/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05355	0.00000	228,100.00	114,050.00	7,617.88	-		7,617.88	768,563	(3)	(700.56)	767,863
10/30/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05351	0.00000	228,100.00	114,050.00	7,612.42	-		7,612.42	776,176	(3)	(700.56)	775,475
10/31/2006	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05347	0.00000	228,100.00	114,050.00	7,606.96	-		7,606.96	783,783	(3)	(700.56)	783,082
11/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05343	0.00000	228,100.00	114,050.00	7,601.50	-		7,601.50	791,384	(11)	(2,831.20)	788,553
11/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05339	0.00000	228,100.00	114,050.00	7,596.04	-		7,596.04	798,980	(11)	(2,831.20)	796,149
11/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05336	0.00000	228,100.00	114,050.00	7,590.58	-		7,590.58	806,571	(11)	(2,831.20)	803,739
11/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05332	0.00000	228,100.00	114,050.00	7,585.12	-		7,585.12	814,156	(11)	(2,831.20)	811,325
11/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05328	0.00000	228,100.00	114,050.00	7,579.67	-		7,579.67	821,735	(11)	(2,831.20)	818,904
11/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05324	0.00000	228,100.00	114,050.00	7,574.21	-		7,574.21	829,310	(11)	(2,831.20)	826,478
11/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05320	0.00000	228,100.00	114,050.00	7,568.75	-		7,568.75	836,878	(11)	(2,831.20)	834,047
11/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,563.29	-		7,563.29	844,442	(11)	(2,831.20)	841,610
11/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.83	-		7,557.83	851,999	(11)	(2,831.20)	849,168
11/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05309	0.00000	228,100.00	114,050.00	7,552.37	-		7,552.37	859,552	(11)	(2,831.20)	856,721
11/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-		7,546.91	867,099	(11)	(2,831.20)	864,268
11/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.45	-		7,541.45	874,640	(11)	(2,831.20)	871,809
11/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,535.99	-		7,535.99	882,176	(11)	(2,831.20)	879,345
11/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,530.53	-		7,530.53	889,707	(11)	(2,831.20)	886,876
11/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,525.07	-		7,525.07	897,232	(11)	(2,831.20)	894,401
11/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05286	0.00000	228,100.00	114,050.00	7,519.61	-		7,519.61	904,751	(11)	(2,831.20)	901,920
11/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.89	-		7,515.89	912,267	(11)	(2,831.20)	909,436
11/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05280	0.00000	228,100.00	114,050.00	7,512.16	-		7,512.16	919,779	(11)	(2,831.20)	916,948
11/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05282	0.00000	228,100.00	114,050.00	7,513.90	-		7,513.90	927,293	(11)	(2,831.20)	924,462
11/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.64	-		7,515.64	934,809	(11)	(2,831.20)	931,978
11/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05284	0.00000	228,100.00	114,050.00	7,517.37	-		7,517.37	942,326	(11)	(2,831.20)	939,495
11/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05285	0.00000	228,100.00	114,050.00	7,519.11	-		7,519.11	949,845	(11)	(2,831.20)	947,014
11/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05287	0.00000	228,100.00	114,050.00	7,520.85	-		7,520.85	957,366	(11)	(2,831.20)	954,535
11/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05288	0.00000	228,100.00	114,050.00	7,522.59	-		7,522.59	964,889	(11)	(2,831.20)	962,058
11/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,524.32	-		7,524.32	972,413	(11)	(2,831.20)	969,582
11/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05290	0.00000	228,100.00	114,050.00	7,526.06	-		7,526.06	979,939	(11)	(2,831.20)	977,108
11/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05291	0.00000	228,100.00	114,050.00	7,527.80	-		7,527.80	987,467	(11)	(2,831.20)	984,636
11/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,529.53	-		7,529.53	994,997	(11)	(2,831.20)	992,165

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - June 1- Oct. 31 @ 350 tonnes per day

2006 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
11/29/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05294	0.00000	228,100.00	114,050.00	7,531.27	-		7,531.27	1,002,528	(11)	(2,831.20)	999,697
11/30/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05295	0.00000	228,100.00	114,050.00	7,533.01	-		7,533.01	1,010,061	(11)	(2,831.20)	1,007,230
12/1/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05296	0.00000	228,100.00	114,050.00	7,534.75	-		7,534.75	1,017,596	(11)	(2,831.20)	1,014,764
12/2/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,536.48	-		7,536.48	1,025,132	(11)	(2,831.20)	1,022,301
12/3/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05299	0.00000	228,100.00	114,050.00	7,538.22	-		7,538.22	1,032,670	(11)	(2,831.20)	1,029,839
12/4/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05300	0.00000	228,100.00	114,050.00	7,539.96	-		7,539.96	1,040,210	(11)	(2,831.20)	1,037,379
12/5/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.69	-		7,541.69	1,047,752	(11)	(2,831.20)	1,044,921
12/6/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05302	0.00000	228,100.00	114,050.00	7,543.43	-		7,543.43	1,055,295	(11)	(2,831.20)	1,052,464
12/7/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05304	0.00000	228,100.00	114,050.00	7,545.17	-		7,545.17	1,062,841	(11)	(2,831.20)	1,060,009
12/8/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-		7,546.91	1,070,388	(11)	(2,831.20)	1,067,556
12/9/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05306	0.00000	228,100.00	114,050.00	7,548.64	-		7,548.64	1,077,936	(11)	(2,831.20)	1,075,105
12/10/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05307	0.00000	228,100.00	114,050.00	7,550.38	-		7,550.38	1,085,487	(11)	(2,831.20)	1,082,655
12/11/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05308	0.00000	228,100.00	114,050.00	7,552.12	-		7,552.12	1,093,039	(11)	(2,831.20)	1,090,207
12/12/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05310	0.00000	228,100.00	114,050.00	7,553.86	-		7,553.86	1,100,593	(11)	(2,831.20)	1,097,761
12/13/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05311	0.00000	228,100.00	114,050.00	7,555.59	-		7,555.59	1,108,148	(11)	(2,831.20)	1,105,317
12/14/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.33	-		7,557.33	1,115,705	(11)	(2,831.20)	1,112,874
12/15/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05313	0.00000	228,100.00	114,050.00	7,559.07	-		7,559.07	1,123,264	(11)	(2,831.20)	1,120,433
12/16/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05315	0.00000	228,100.00	114,050.00	7,560.80	-		7,560.80	1,130,825	(11)	(2,831.20)	1,127,994
12/17/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,562.54	-		7,562.54	1,138,388	(11)	(2,831.20)	1,135,557
12/18/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05262	0.00000	228,100.00	114,050.00	7,486.10	-		7,486.10	1,145,874	(11)	(2,831.20)	1,143,043
12/19/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05207	0.00000	228,100.00	114,050.00	7,407.93	-		7,407.93	1,153,282	(11)	(2,831.20)	1,150,451
12/20/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05152	0.00000	228,100.00	114,050.00	7,329.76	-		7,329.76	1,160,612	(11)	(2,831.20)	1,157,780
12/21/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05097	0.00000	228,100.00	114,050.00	7,251.58	-		7,251.58	1,167,863	(11)	(2,831.20)	1,165,032
12/22/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05042	0.00000	228,100.00	114,050.00	7,173.41	-		7,173.41	1,175,037	(11)	(2,831.20)	1,172,205
12/23/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04987	0.00000	228,100.00	114,050.00	7,095.23	-		7,095.23	1,182,132	(11)	(2,831.20)	1,179,301
12/24/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04932	0.00000	228,100.00	114,050.00	7,017.06	-		7,017.06	1,189,149	(11)	(2,831.20)	1,186,318
12/25/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04877	0.00000	228,100.00	114,050.00	6,938.89	-		6,938.89	1,196,088	(11)	(2,831.20)	1,193,257
12/26/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04822	0.00000	228,100.00	114,050.00	6,860.71	-		6,860.71	1,202,949	(11)	(2,831.20)	1,200,117
12/27/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04768	0.00000	228,100.00	114,050.00	6,782.54	-		6,782.54	1,209,731	(11)	(2,831.20)	1,206,900
12/28/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04713	0.00000	228,100.00	114,050.00	6,704.36	-		6,704.36	1,216,435	(11)	(2,831.20)	1,213,604
12/29/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04658	0.00000	228,100.00	114,050.00	6,626.19	-		6,626.19	1,223,062	(11)	(2,831.20)	1,220,230
12/30/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04603	0.00000	228,100.00	114,050.00	6,548.01	-		6,548.01	1,229,610	(11)	(2,831.20)	1,226,778
12/31/2006	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04548	0.00000	228,100.00	114,050.00	6,469.84	-		6,469.84	1,236,079	(11)	(2,831.20)	1,233,248
	108300																			
			1704.84		88.25		3235.71	-1619.12					742789.50	130871.25				-1619.12		
			13183.47		89.42		13500.00	-405.95					1659154.38	866308.58	1,296,000			-405.95		
			688.71		35.65		1307.14	-654.08					452296.95	0.00				-654.08		

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - May 1 - Oct. 31@ 350 tonnes per day

2007 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
																	1,233,248			
1/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05485	0.00000	228,100.00	114,050.00	7,803.01	-		7,803.01	1,241,051	(11)	(2,831.20)	1,238,220
1/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04518	0.00000	228,100.00	114,050.00	6,427.20	-		6,427.20	1,247,478	(11)	(2,831.20)	1,244,647
1/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04464	0.00000	228,100.00	114,050.00	6,351.39	-		6,351.39	1,253,830	(11)	(2,831.20)	1,250,999
1/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04411	0.00000	228,100.00	114,050.00	6,275.59	-		6,275.59	1,260,105	(11)	(2,831.20)	1,257,274
1/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04358	0.00000	228,100.00	114,050.00	6,199.78	-		6,199.78	1,266,305	(11)	(2,831.20)	1,263,474
1/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04305	0.00000	228,100.00	114,050.00	6,123.98	-		6,123.98	1,272,429	(11)	(2,831.20)	1,269,598
1/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04251	0.00000	228,100.00	114,050.00	6,048.17	-		6,048.17	1,278,477	(11)	(2,831.20)	1,275,646
1/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04198	0.00000	228,100.00	114,050.00	5,972.37	-		5,972.37	1,284,450	(11)	(2,831.20)	1,281,619
1/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04145	0.00000	228,100.00	114,050.00	5,896.56	-		5,896.56	1,290,346	(11)	(2,831.20)	1,287,515
1/10/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04091	0.00000	228,100.00	114,050.00	5,820.76	-		5,820.76	1,296,167	(11)	(2,831.20)	1,293,336
1/11/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04038	0.00000	228,100.00	114,050.00	5,744.95	-		5,744.95	1,301,912	(11)	(2,831.20)	1,299,081
1/12/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.00000	228,100.00	114,050.00	5,669.15	-		5,669.15	1,307,581	(11)	(2,831.20)	1,304,750
1/13/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03932	0.00000	228,100.00	114,050.00	5,593.34	-		5,593.34	1,313,175	(11)	(2,831.20)	1,310,343
1/14/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03878	0.00000	228,100.00	114,050.00	5,517.54	-		5,517.54	1,318,692	(11)	(2,831.20)	1,315,861
1/15/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03825	0.00000	228,100.00	114,050.00	5,441.73	-		5,441.73	1,324,134	(11)	(2,831.20)	1,321,303
1/16/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03772	0.00000	228,100.00	114,050.00	5,365.93	-		5,365.93	1,329,500	(11)	(2,831.20)	1,326,669
1/17/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03718	0.00000	228,100.00	114,050.00	5,290.12	-		5,290.12	1,334,790	(11)	(2,831.20)	1,331,959
1/18/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03665	0.00000	228,100.00	114,050.00	5,214.32	-		5,214.32	1,340,004	(11)	(2,831.20)	1,337,173
1/19/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03552	0.00000	228,100.00	114,050.00	5,052.87	-		5,052.87	1,345,057	(11)	(2,831.20)	1,342,226
1/20/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03545	0.00000	228,100.00	114,050.00	5,043.03	-		5,043.03	1,350,100	(11)	(2,831.20)	1,347,269
1/21/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03538	0.00000	228,100.00	114,050.00	5,033.19	-		5,033.19	1,355,133	(11)	(2,831.20)	1,352,302
1/22/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03531	0.00000	228,100.00	114,050.00	5,023.35	-		5,023.35	1,360,157	(11)	(2,831.20)	1,357,325
1/23/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03524	0.00000	228,100.00	114,050.00	5,013.51	-		5,013.51	1,365,170	(11)	(2,831.20)	1,362,339
1/24/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03517	0.00000	228,100.00	114,050.00	5,003.68	-		5,003.68	1,370,174	(11)	(2,831.20)	1,367,343
1/25/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03510	0.00000	228,100.00	114,050.00	4,993.84	-		4,993.84	1,375,168	(11)	(2,831.20)	1,372,336
1/26/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03503	0.00000	228,100.00	114,050.00	4,984.00	-		4,984.00	1,380,152	(11)	(2,831.20)	1,377,320
1/27/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03496	0.00000	228,100.00	114,050.00	4,974.16	-		4,974.16	1,385,126	(11)	(2,831.20)	1,382,295
1/28/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03489	0.00000	228,100.00	114,050.00	4,964.32	-		4,964.32	1,390,090	(11)	(2,831.20)	1,387,259
1/29/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03483	0.00000	228,100.00	114,050.00	4,954.49	-		4,954.49	1,395,045	(11)	(2,831.20)	1,392,213
1/30/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03476	0.00000	228,100.00	114,050.00	4,944.65	-		4,944.65	1,399,989	(11)	(2,831.20)	1,397,158
1/31/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03469	0.00000	228,100.00	114,050.00	4,934.81	-		4,934.81	1,404,924	(11)	(2,831.20)	1,402,093
2/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03462	0.00000	228,100.00	114,050.00	4,924.97	-		4,924.97	1,409,849	(11)	(2,831.20)	1,407,018
2/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03455	0.00000	228,100.00	114,050.00	4,915.13	-		4,915.13	1,414,764	(11)	(2,831.20)	1,411,933
2/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03448	0.00000	228,100.00	114,050.00	4,905.29	-		4,905.29	1,419,669	(11)	(2,831.20)	1,416,838
2/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03441	0.00000	228,100.00	114,050.00	4,895.46	-		4,895.46	1,424,565	(11)	(2,831.20)	1,421,734
2/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03434	0.00000	228,100.00	114,050.00	4,885.62	-		4,885.62	1,429,451	(11)	(2,831.20)	1,426,619
2/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03427	0.00000	228,100.00	114,050.00	4,875.78	-		4,875.78	1,434,326	(11)	(2,831.20)	1,431,495
2/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03420	0.00000	228,100.00	114,050.00	4,865.94	-		4,865.94	1,439,192	(11)	(2,831.20)	1,436,361
2/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03413	0.00000	228,100.00	114,050.00	4,856.10	-		4,856.10	1,444,048	(11)	(2,831.20)	1,441,217
2/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03407	0.00000	228,100.00	114,050.00	4,846.26	-		4,846.26	1,448,895	(11)	(2,831.20)	1,446,063
2/10/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03400	0.00000	228,100.00	114,050.00	4,836.43	-		4,836.43	1,453,731	(11)	(2,831.20)	1,450,900
2/11/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03393	0.00000	228,100.00	114,050.00	4,826.59	-		4,826.59	1,458,558	(11)	(2,831.20)	1,455,726
2/12/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03386	0.00000	228,100.00	114,050.00	4,816.75	-		4,816.75	1,463,374	(11)	(2,831.20)	1,460,543
2/13/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,806.91	-		4,806.91	1,468,181	(11)	(2,831.20)	1,465,350
2/14/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,797.07	-		4,797.07	1,472,978	(11)	(2,831.20)	1,470,147
2/15/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03365	0.00000	228,100.00	114,050.00	4,787.24	-		4,787.24	1,477,766	(11)	(2,831.20)	1,474,934
2/16/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,807.71	-		4,807.71	1,482,573	(11)	(2,831.20)	1,479,742
2/17/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03394	0.00000	228,100.00	114,050.00	4,828.18	-		4,828.18	1,487,401	(11)	(2,831.20)	1,484,570
2/18/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03408	0.00000	228,100.00	114,050.00	4,848.66	-		4,848.66	1,492,250	(11)	(2,831.20)	1,489,419
2/19/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03423	0.00000	228,100.00	114,050.00	4,869.13	-		4,869.13	1,497,119	(11)	(2,831.20)	1,494,288
2/20/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03444	0.00000	228,100.00	114,050.00	4,899.44	-		4,899.44	1,502,019	(11)	(2,831.20)	1,499,188
2/21/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03465	0.00000	228,100.00	114,050.00	4,929.76	-		4,929.76	1,506,948	(11)	(2,831.20)	1,504,117
2/22/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03486	0.00000	228,100.00	114,050.00	4,960.07	-		4,960.07	1,511,909	(11)	(2,831.20)	1,509,077
2/23/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03508	0.00000	228,100.00	114,050.00	4,990.38	-		4,990.38	1,516,899	(11)	(2,831.20)	1,514,068
2/24/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03529	0.00000	228,100.00	114,050.00	5,020.69	-		5,020.69	1,521,920	(11)	(2,831.20)	1,519,088
2/25/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03550	0.00000	228,100.00	114,050.00	5,051.01	-		5,051.01	1,526,971	(11)	(2,831.20)	1,524,139
2/26/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03572	0.00000	228,100.00	114,050.00	5,081.32	-		5,081.32	1,532,052	(11)	(2,831.20)	1,529,221
2/27/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03593	0.00000	228,100.00	114,050.00	5,111.63	-		5,111.63	1,537,164	(11)	(2,831.20)	1,534,332
2/28/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03614	0.00000	228,100.00	114,050.00	5,141.94	-		5,141.94	1,542,306	(11)	(2,831.20)	1,539,474
3/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.00000	228,100.00	114,050.00	5,202.57	-		5,202.57	1,547,508	(11)	(2,831.20)	1,544,677
3/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03678	0.00000	228,100.00	114,050.00	5,232.88	-		5,232.88	1,552,741	(11)	(2,831.20)	1,549,910
3/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03700	0.00000	228,100.00	114,050.00	5,263.19	-		5,263.19	1,558,004	(11)	(2,831.20)	1,555,173
3/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03721	0.00000	228,100.00	114,050.00	5,293.51	-		5,293.51	1,563,298	(11)	(2,831.20)	1,560,466
3/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03742	0.00000	228,100.00	114,050.00	5,323.82	-		5,323.82	1,568,621	(11)	(2,831.20)	1,565,790
3/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03763	0.00000	228,100.00	114,050.00	5,354.13	-		5,354.13	1,573,976	(11)	(2,831.20)	1,571,144
3/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03785	0.00000	228,100.00	114,050.00	5,384.44	-		5,384.44	1,579,360	(11)	(2,831.20)	1,576,529
3/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03806	0.00000	228,100.00	114,050.00	5,414.76	-		5,414.76	1,584,775	(11)	(2,831.20)	1,581,944
3/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03827	0.00000	228,100.00	114,050.00	5,445.07	-		5,445.07	1,590,220	(11)	(2,831.20)	1,587,389
3/10/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03849	0.00000	228,100.00	114,050.00	5,475.38	-		5,475.38	1,595,695	(11)	(2,831.20)	1,592,864
3/11/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03870	0.00000	228,100.00	114,050.00	5,505.69	-		5,505.69	1,601,201	(11)	(2,831.20)	1,598,370
3/12/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.00000	228,100.00	114,050.00	5,536.01	-		5,536.01	1,606,737	(11)	(2,831.20)	1,603,906
3/13/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03913	0.00000	228,100.00	114,050.00	5,566.32	-		5,566.32	1,612,303	(11)	(2,831.20)	1,609,472
3/14/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03934	0.00000	228,100.00	114,050.00	5,596.63	-		5,596.63	1,617,900	(11)	(2,831.20)	1,615,069
3/15/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03955	0.00000	228,100.00	114,050.00	5,626.94	-		5,626.94	1,623,527	(11)	(2,831.20)	1,620,696
3/16/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03977	0.00000	228,100.00	114,050.00	5,657.26	-		5,657.26	1,629,184	(11)	(2,831.20)	1,626,353
3/17/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03998	0.00000	228,100.00	114,050.00	5,687.57	-		5,687.57	1,634,872	(11)	(2,831.20)	1,632,040
3/18/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03965	0.00000	228,100.00	114,050.00	5,641.13	-		5,641.13	1,640,513	(11)	(2,831.20)	1,637,682
3/19/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03911	0.00000	228,100.00	114,050.00	5,564.39	-		5,564.39	1,646,077	(11)	(2,831.20)	1,643,246
3/20/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03857	0.00000	228,100.00	114,050.00	5,487.64	-		5,487.64	1,651,565	(11)	(2,831.20)	1,648,734
3/21/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03803	0.00000	228,100.00	114,050.00	5,410.89	-		5,410.89	1,656,976	(11)	(2,831.20)	1,654,145
3/22/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03749	0.00000	228,100.00	114,050.00	5,334.14	-		5,334.14	1,662,310	(11)	(2,831.20)	1,659,479
3/23/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03695	0.00000	228,100.00	114,050.00	5,257.40	-		5,257.40	1,667,567	(11)	(2,831.20)	1,664,736
3/24/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03642	0.00000	228,100.00	114,050.00	5,180.65	-		5,180.65	1,672,748	(11)	(2,831.20)	1,669,917
3/25/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03588	0.00000	228,100.00	114,050.00	5,103.90	-		5,103.90	1,677,852	(11)	(2,831.20)	1,675,021
3/26/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03534	0.00000	228,100.00	114,050.00	5,027.16	-		5,027.16	1,682,879	(11)	(2,831.20)	1,680,048
3/27/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03480	0.00000	228,100.00	114,050.00	4,950.41	-		4,950.41	1,687,829	(11)	(2,831.20)	1,684,998

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - May 1 - Oct. 31@ 350 tonnes per day

2007 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
3/28/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03426	0.00000	228,100.00	114,050.00	4,873.66	-		4,873.66	1,692,703	(11)	(2,831.20)	1,689,872
3/29/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,796.91	-		4,796.91	1,697,500	(11)	(2,831.20)	1,694,669
3/30/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03318	0.00000	228,100.00	114,050.00	4,720.17	-		4,720.17	1,702,220	(11)	(2,831.20)	1,699,389
3/31/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03264	0.00000	228,100.00	114,050.00	4,643.42	-		4,643.42	1,706,864	(11)	(2,831.20)	1,704,032
4/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03210	0.00000	228,100.00	114,050.00	4,566.67	-		4,566.67	1,711,430	(11)	(2,831.20)	1,708,599
4/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03156	0.00000	228,100.00	114,050.00	4,489.93	-		4,489.93	1,715,920	(11)	(2,831.20)	1,713,089
4/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03102	0.00000	228,100.00	114,050.00	4,413.18	-		4,413.18	1,720,333	(11)	(2,831.20)	1,717,502
4/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03048	0.00000	228,100.00	114,050.00	4,336.43	-		4,336.43	1,724,670	(11)	(2,831.20)	1,721,839
4/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02994	0.00000	228,100.00	114,050.00	4,259.68	-		4,259.68	1,728,929	(11)	(2,831.20)	1,726,098
4/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02940	0.00000	228,100.00	114,050.00	4,182.94	-		4,182.94	1,733,112	(11)	(2,831.20)	1,730,281
4/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.00000	228,100.00	114,050.00	4,106.19	-		4,106.19	1,737,219	(11)	(2,831.20)	1,734,387
4/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02832	0.00000	228,100.00	114,050.00	4,029.44	-		4,029.44	1,741,248	(11)	(2,831.20)	1,738,417
4/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02778	0.00000	228,100.00	114,050.00	3,952.70	-		3,952.70	1,745,201	(11)	(2,831.20)	1,742,370
4/10/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02724	0.00000	228,100.00	114,050.00	3,875.95	-		3,875.95	1,749,077	(11)	(2,831.20)	1,746,245
4/11/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02671	0.00000	228,100.00	114,050.00	3,799.20	-		3,799.20	1,752,876	(11)	(2,831.20)	1,750,045
4/12/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02617	0.00000	228,100.00	114,050.00	3,722.45	-		3,722.45	1,756,598	(11)	(2,831.20)	1,753,767
4/13/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02563	0.00000	228,100.00	114,050.00	3,645.71	-		3,645.71	1,760,244	(11)	(2,831.20)	1,757,413
4/14/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02509	0.00000	228,100.00	114,050.00	3,568.96	-		3,568.96	1,763,813	(11)	(2,831.20)	1,760,982
4/15/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02455	0.00000	228,100.00	114,050.00	3,492.21	-		3,492.21	1,767,305	(11)	(2,831.20)	1,764,474
4/16/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02401	0.00000	228,100.00	114,050.00	3,415.47	-		3,415.47	1,770,721	(11)	(2,831.20)	1,767,889
4/17/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02385	0.00000	228,100.00	114,050.00	3,393.13	-		3,393.13	1,774,114	(11)	(2,831.20)	1,771,283
4/18/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02369	0.00000	228,100.00	114,050.00	3,370.79	-		3,370.79	1,777,485	(11)	(2,831.20)	1,774,653
4/19/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02408	0.00000	228,100.00	114,050.00	3,425.21	-		3,425.21	1,780,910	(11)	(2,831.20)	1,778,079
4/20/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02446	0.00000	228,100.00	114,050.00	3,479.62	-		3,479.62	1,784,389	(11)	(2,831.20)	1,781,558
4/21/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02484	0.00000	228,100.00	114,050.00	3,534.03	-		3,534.03	1,787,923	(11)	(2,831.20)	1,785,092
4/22/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02522	0.00000	228,100.00	114,050.00	3,588.44	-		3,588.44	1,791,512	(11)	(2,831.20)	1,788,681
4/23/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02561	0.00000	228,100.00	114,050.00	3,642.85	-		3,642.85	1,795,155	(11)	(2,831.20)	1,792,324
4/24/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02599	0.00012	228,100.00	114,050.00	3,697.26	8.63		3,688.64	1,798,843	(11)	(2,831.20)	1,796,012
4/25/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02637	0.00294	228,100.00	114,050.00	3,751.68	208.96		3,542.72	1,802,386	(11)	(2,831.20)	1,799,555
4/26/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02675	0.00574	228,100.00	114,050.00	3,806.09	408.56		3,397.52	1,805,784	(11)	(2,831.20)	1,802,952
4/27/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02714	0.00854	228,100.00	114,050.00	3,860.50	607.39		3,253.11	1,809,037	(11)	(2,831.20)	1,806,206
4/28/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02752	0.01132	228,100.00	114,050.00	3,914.91	805.38		3,109.53	1,812,146	(11)	(2,831.20)	1,809,315
4/29/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02790	0.01409	228,100.00	114,050.00	3,969.32	1,002.47		2,966.85	1,815,113	(11)	(2,831.20)	1,812,282
4/30/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02828	0.01685	228,100.00	114,050.00	4,023.73	1,198.61		2,825.13	1,817,938	(11)	(2,831.20)	1,815,107
5/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.01959	228,100.00	114,050.00	4,106.18	1,393.73		2,712.45	1,820,651	(11)	(2,831.20)	1,817,819
5/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02923	0.02232	228,100.00	114,050.00	4,158.94	1,587.77		2,571.17	1,823,222	(11)	(2,831.20)	1,820,391
5/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02960	0.02503	228,100.00	114,050.00	4,211.70	1,780.69		2,431.01	1,825,653	(11)	(2,831.20)	1,822,822
5/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02998	0.02773	228,100.00	114,050.00	4,264.47	1,972.42		2,292.05	1,827,945	(11)	(2,831.20)	1,825,114
5/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03035	0.03041	228,100.00	114,050.00	4,317.23	2,162.90		2,154.32	1,830,099	(11)	(2,831.20)	1,827,268
5/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03072	0.03307	228,100.00	114,050.00	4,369.99	2,352.09		2,017.90	1,832,117	(11)	(2,831.20)	1,829,286
5/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03109	0.03571	228,100.00	114,050.00	4,422.75	2,539.92		1,882.83	1,834,000	(11)	(2,831.20)	1,831,169
5/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03146	0.03833	228,100.00	114,050.00	4,475.52	2,726.34		1,749.18	1,835,749	(11)	(2,831.20)	1,832,918
5/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03183	0.04093	228,100.00	114,050.00	4,528.28	2,911.29		1,616.99	1,837,366	(11)	(2,831.20)	1,834,535
5/10/2007	150	7%	11.29	12%	0.6	15%	26.47	-15.8	0.03220	0.04351	228,100.00	114,050.00	4,581.04	3,094.71		1,486.33	1,838,852	(16)	(4,162.49)	1,834,690
5/11/2007	150	7%	11.29	12%	0.6	15%	26.47	-15.8	0.03257	0.04606	228,100.00	114,050.00	4,633.80	3,276.56		1,357.24	1,840,210	(16)	(4,162.49)	1,836,047
5/12/2007	150	7%	11.29	12%	0.6	15%	26.47	-15.8	0.03294	0.04860	228,100.00	114,050.00	4,686.57	3,456.79		1,229.78	1,841,439	(16)	(4,162.49)	1,837,277
5/13/2007	150	7%	11.29	12%	0.6	15%	26.47	-15.8	0.03331	0.05111	228,100.00	114,050.00	4,739.33	3,635.32		1,104.01	1,842,543	(16)	(4,162.49)	1,838,381
5/14/2007	150	7%	11.29	12%	0.6	15%	26.47	-15.8	0.03368	0.05359	228,100.00	114,050.00	4,792.09	3,812.12		979.97	1,843,523	(16)	(4,162.49)	1,839,361
5/15/2007	150	7%	11.29	12%	0.6	15%	26.47	-15.8	0.03406	0.05605	228,100.00	114,050.00	4,844.86	3,987.13	108,000.00	(107,142.28)	1,736,381	(16)	(4,162.49)	1,732,219
5/16/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03406	0.05849	228,100.00	114,050.00	4,844.86	4,160.30	108,000.00	(107,315.45)	1,629,066	(3)	(700.56)	1,628,365
5/17/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03443	0.06089	228,100.00	114,050.00	4,897.62	4,331.58	108,000.00	(107,433.96)	1,521,632	(3)	(700.56)	1,520,931
5/18/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03527	0.06328	228,100.00	114,050.00	5,016.98	4,500.92	108,000.00	(107,483.93)	1,414,148	(3)	(700.56)	1,413,447
5/19/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03610	0.06563	228,100.00	114,050.00	5,136.35	4,668.26	108,000.00	(107,531.91)	1,306,616	(3)	(700.56)	1,305,915
5/20/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03657	0.06795	228,100.00	114,050.00	5,202.95	4,833.56	108,000.00	(107,630.61)	1,198,985	(3)	(700.56)	1,198,285
5/21/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03704	0.07025	228,100.00	114,050.00	5,269.55	4,996.76	108,000.00	(107,727.22)	1,091,258	(3)	(700.56)	1,090,558
5/22/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03751	0.07251	228,100.00	114,050.00	5,336.15	5,157.83	108,000.00	(107,821.68)	983,436	(3)	(700.56)	982,736
5/23/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03798	0.07474	228,100.00	114,050.00	5,402.75	5,316.71	108,000.00	(107,913.96)	875,522	(3)	(700.56)	874,822
5/24/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03844	0.07695	228,100.00	114,050.00	5,469.35	5,473.35	108,000.00	(108,004.01)	767,518	(3)	(700.56)	766,818
5/25/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03891	0.07912	228,100.00	114,050.00	5,535.95	5,627.72	108,000.00	(108,091.77)	659,427	(3)	(700.56)	658,726
5/26/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03938	0.08125	228,100.00	114,050.00	5,602.55	5,779.75	108,000.00	(108,177.20)	551,249	(3)	(700.56)	550,549
5/27/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.03985	0.08336	228,100.00	114,050.00	5,669.15	5,929.42	108,000.00	(108,260.27)	442,989	(3)	(700.56)	442,289
5/28/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04032	0.08543	228,100.00	114,050.00	5,735.75	6,076.66	108,000.00	(108,340.91)	334,648	(3)	(700.56)	333,948
5/29/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04079	0.08746	228,100.00	114,050.00	5,802.35	6,221.45	108,000.00	(108,419.10)	226,229	(3)	(700.56)	225,529
5/30/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04125	0.08946	228,100.00	114,050.00	5,868.95	6,363.73	108,000.00	(108,494.79)	117,734	(3)	(700.56)	117,034
5/31/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04172	0.09143	228,100.00	114,050.00	5,935.55	6,503.47	108,000.00	(108,567.92)	9,166	(3)	(700.56)	8,466
6/1/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04219	0.09336	228,100.00	114,050.00	6,002.15	6,640.63	-	(638.48)	8,528	(3)	(700.56)	7,827
6/2/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04289	0.09525	228,100.00	114,050.00	6,102.05	6,775.15	-	(673.10)	7,855	(3)	(700.56)	7,154
6/3/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04337	0.09710	228,100.00	114,050.00	6,170.73	6,907.01	-	(736.28)	7,119	(3)	(700.56)	6,418
6/4/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04386	0.09892	228,100.00	114,050.00	6,239.41	7,036.16	-	(796.75)	6,322	(3)	(700.56)	5,621
6/5/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04434	0.10069	228,100.00	114,050.00	6,308.09	7,162.57	-	(854.47)	5,467	(3)	(700.56)	4,767
6/6/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04482	0.10243	228,100.00	114,050.00	6,376.78	7,286.19	-	(909.42)	4,558	(3)	(700.56)	3,857
6/7/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04531	0.10413	228,100.00	114,050.00	6,445.46	7,407.00	-	(961.54)	3,596	(3)	(700.56)	2,896
6/8/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04579	0.10579	228,100.00	114,050.00	6,514.14	7,524.95	-	(1,010.81)	2,586	(3)	(700.56)	1,885
6/9/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04627	0.10741	228,100.00	114,050.00	6,582.82	7,640.02	-	(1,057.19)	1,528	(3)	(700.56)	828
6/10/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04675	0.10898	228,100.00	114,050.00	6,651.50	7,752.16	-	(1,100.65)	428	(3)	(700.56)	(273)
6/11/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04724	0.11052	228,100.00	114,050.00	6,720.18	7,861.34	-	(1,141.15)	(713)	(3)	(700.56)	(1,414)
6/12/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04772	0.11201	228,100.00	114,050.00	6,788.87	7,967.53	-	(1,178.67)	(1,892)	(3)	(700.56)	(2,593)
6/13/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04820	0.11346	228,100.00	114,050.00	6,857.55	8,070.71	-	(1,213.16)	(3,105)	(3)	(700.56)	(3,806)
6/14/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04869	0.11487	228,100.00	114,050.00	6,926.23	8,170.83	-	(1,244.60)	(4,350)	(3)	(700.56)	(5,050)
6/15/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04917	0.11623	228,100.00	114,050.00	6,994.91	8,267.87	-	(1,272.96)	(5,623)	(3)	(700.56)	(6,323)
6/16/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.04965	0.11755	228,100.00	114,050.00	7,063.59	8,361.81	-	(1,298.21)	(6,921)	(3)	(700.56)	(7,622)
6/17/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05147	0.11883	228,100.00	114,050.00	7,322.31	8,452.60	-	(1,130.29)	(8,051)	(3)	(700.56)	(8,752)

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - May 1 - Oct. 31@ 350 tonnes per day

2007 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
6/18/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05329	0.12006	228,100.00	114,050.00	7,581.03	8,540.23	-	(959.20)	(9,010)	(3)	(700.56)	(9,711)
6/19/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05462	0.12125	228,100.00	114,050.00	7,771.07	8,624.67	-	(853.61)	(9,864)	(3)	(700.56)	(10,565)
6/20/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05596	0.12239	228,100.00	114,050.00	7,961.11	8,705.90	-	(744.79)	(10,609)	(3)	(700.56)	(11,309)
6/21/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05730	0.12349	228,100.00	114,050.00	8,151.14	8,783.89	-	(632.74)	(11,242)	(3)	(700.56)	(11,942)
6/22/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05863	0.12454	228,100.00	114,050.00	8,341.18	8,858.61	-	(517.43)	(11,759)	(3)	(700.56)	(12,460)
6/23/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05997	0.12554	228,100.00	114,050.00	8,531.22	8,930.05	-	(398.83)	(12,158)	(3)	(700.56)	(12,858)
6/24/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06130	0.12650	228,100.00	114,050.00	8,721.26	8,998.19	-	(276.93)	(12,435)	(3)	(700.56)	(13,135)
6/25/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06264	0.12741	228,100.00	114,050.00	8,911.29	9,062.99	-	(151.70)	(12,586)	(3)	(700.56)	(13,287)
6/26/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06397	0.12827	228,100.00	114,050.00	9,101.33	9,124.46	-	(23.13)	(12,610)	(3)	(700.56)	(13,310)
6/27/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06531	0.12909	228,100.00	114,050.00	9,291.37	9,182.56	-	108.81	(12,501)	(3)	(700.56)	(13,201)
6/28/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06665	0.12986	228,100.00	114,050.00	9,481.41	9,237.28	-	244.13	(12,257)	(3)	(700.56)	(12,957)
6/29/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06798	0.13058	228,100.00	114,050.00	9,671.44	9,288.60	-	382.84	(11,874)	(3)	(700.56)	(12,574)
6/30/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06932	0.13126	228,100.00	114,050.00	9,861.48	9,336.51	-	524.97	(11,349)	(3)	(700.56)	(12,049)
7/1/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07065	0.13188	228,100.00	114,050.00	10,051.52	9,381.00	-	670.52	(10,678)	(3)	(700.56)	(11,379)
7/2/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07199	0.13246	228,100.00	114,050.00	10,241.56	9,422.04	-	819.51	(9,859)	(3)	(700.56)	(10,559)
7/3/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07333	0.13299	228,100.00	114,050.00	10,431.59	9,459.64	-	971.95	(8,887)	(3)	(700.56)	(9,587)
7/4/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07466	0.13347	228,100.00	114,050.00	10,621.63	9,493.77	-	1,127.86	(7,759)	(3)	(700.56)	(8,460)
7/5/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07600	0.13390	228,100.00	114,050.00	10,811.67	9,524.43	-	1,287.24	(6,472)	(3)	(700.56)	(7,172)
7/6/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07733	0.13428	228,100.00	114,050.00	11,001.71	9,551.61	-	1,450.10	(5,022)	(3)	(700.56)	(5,722)
7/7/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07867	0.13461	228,100.00	114,050.00	11,191.74	9,575.30	-	1,616.45	(3,405)	(3)	(700.56)	(4,106)
7/8/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08000	0.13490	228,100.00	114,050.00	11,381.78	9,595.49	-	1,786.29	(1,619)	(3)	(700.56)	(2,319)
7/9/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08134	0.13513	228,100.00	114,050.00	11,571.82	9,612.18	-	1,959.64	341	(3)	(700.56)	(360)
7/10/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08268	0.13532	228,100.00	114,050.00	11,761.86	9,625.36	-	2,136.50	2,477	(3)	(700.56)	1,777
7/11/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08401	0.13545	228,100.00	114,050.00	11,951.90	9,635.02	-	2,316.87	4,794	(3)	(700.56)	4,094
7/12/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08535	0.13554	228,100.00	114,050.00	12,141.93	9,641.18	-	2,500.75	7,295	(3)	(700.56)	6,594
7/13/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08668	0.13558	228,100.00	114,050.00	12,331.97	9,643.82	-	2,688.15	9,983	(3)	(700.56)	9,282
7/14/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08802	0.13556	228,100.00	114,050.00	12,522.01	9,642.94	-	2,879.07	12,862	(3)	(700.56)	12,161
7/15/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08935	0.13550	228,100.00	114,050.00	12,712.05	9,638.54	-	3,073.50	15,936	(3)	(700.56)	15,235
7/16/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09069	0.13539	228,100.00	114,050.00	12,902.08	9,630.63	-	3,271.45	19,207	(3)	(700.56)	18,506
7/17/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09203	0.13523	228,100.00	114,050.00	13,092.12	9,619.20	-	3,472.92	22,680	(3)	(700.56)	21,979
7/18/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09324	0.13502	228,100.00	114,050.00	13,265.41	9,604.27	-	3,661.14	26,341	(3)	(700.56)	25,641
7/19/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09313	0.13476	228,100.00	114,050.00	13,248.66	9,585.83	-	3,662.83	30,004	(3)	(700.56)	29,303
7/20/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09301	0.13445	228,100.00	114,050.00	13,231.90	9,563.89	-	3,668.01	33,672	(3)	(700.56)	32,971
7/21/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09289	0.13409	228,100.00	114,050.00	13,215.15	9,538.46	-	3,676.70	37,349	(3)	(700.56)	36,648
7/22/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09277	0.13369	228,100.00	114,050.00	13,198.40	9,509.54	-	3,688.86	41,037	(3)	(700.56)	40,337
7/23/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09266	0.13323	228,100.00	114,050.00	13,181.65	9,477.14	-	3,704.51	44,742	(3)	(700.56)	44,041
7/24/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09254	0.13273	228,100.00	114,050.00	13,164.90	9,441.27	-	3,723.62	48,466	(3)	(700.56)	47,765
7/25/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09242	0.13218	228,100.00	114,050.00	13,148.15	9,401.95	-	3,746.19	52,212	(3)	(700.56)	51,511
7/26/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09230	0.13157	228,100.00	114,050.00	13,131.39	9,359.19	-	3,772.21	55,984	(3)	(700.56)	55,283
7/27/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09218	0.13092	228,100.00	114,050.00	13,114.64	9,312.99	-	3,801.66	59,786	(3)	(700.56)	59,085
7/28/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09207	0.13023	228,100.00	114,050.00	13,097.89	9,263.37	-	3,834.52	63,620	(3)	(700.56)	62,920
7/29/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09195	0.12948	228,100.00	114,050.00	13,081.14	9,210.34	-	3,870.80	67,491	(3)	(700.56)	66,790
7/30/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09183	0.12869	228,100.00	114,050.00	13,064.39	9,153.93	-	3,910.46	71,401	(3)	(700.56)	70,701
7/31/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09171	0.12785	228,100.00	114,050.00	13,047.64	9,094.15	-	3,953.49	75,355	(3)	(700.56)	74,654
8/1/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09160	0.12696	228,100.00	114,050.00	13,030.88	9,031.01	-	3,999.88	79,355	(3)	(700.56)	78,654
8/2/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09148	0.12603	228,100.00	114,050.00	13,014.13	8,964.53	-	4,049.60	83,404	(3)	(700.56)	82,704
8/3/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09136	0.12504	228,100.00	114,050.00	12,997.38	8,894.74	-	4,102.64	87,507	(3)	(700.56)	86,806
8/4/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09124	0.12402	228,100.00	114,050.00	12,980.63	8,821.66	-	4,158.97	91,666	(3)	(700.56)	90,965
8/5/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09112	0.12294	228,100.00	114,050.00	12,963.88	8,745.30	-	4,218.58	95,885	(3)	(700.56)	95,184
8/6/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09101	0.12182	228,100.00	114,050.00	12,947.13	8,665.69	-	4,281.44	100,166	(3)	(700.56)	99,465
8/7/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09089	0.12066	228,100.00	114,050.00	12,930.37	8,582.85	-	4,347.52	104,514	(3)	(700.56)	103,813
8/8/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09077	0.11945	228,100.00	114,050.00	12,913.62	8,496.81	-	4,416.81	108,930	(3)	(700.56)	108,230
8/9/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09065	0.11820	228,100.00	114,050.00	12,896.87	8,407.60	-	4,489.27	113,420	(3)	(700.56)	112,719
8/10/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09054	0.11690	228,100.00	114,050.00	12,880.12	8,315.23	-	4,564.89	117,985	(3)	(700.56)	117,284
8/11/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09042	0.11556	228,100.00	114,050.00	12,863.37	8,219.74	-	4,643.63	122,628	(3)	(700.56)	121,928
8/12/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09030	0.11417	228,100.00	114,050.00	12,846.62	8,121.15	-	4,725.47	127,354	(3)	(700.56)	126,653
8/13/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09018	0.11274	228,100.00	114,050.00	12,829.87	8,019.50	-	4,810.37	132,164	(3)	(700.56)	131,463
8/14/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09007	0.11127	228,100.00	114,050.00	12,813.11	7,914.81	-	4,898.30	137,062	(3)	(700.56)	136,362
8/15/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08995	0.10975	228,100.00	114,050.00	12,796.36	7,807.12	-	4,989.24	142,052	(3)	(700.56)	141,351
8/16/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08983	0.10820	228,100.00	114,050.00	12,779.61	7,696.45	-	5,083.16	147,135	(3)	(700.56)	146,434
8/17/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08971	0.10660	228,100.00	114,050.00	12,762.86	7,582.85	-	5,180.01	152,315	(3)	(700.56)	151,614
8/18/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08980	0.10496	228,100.00	114,050.00	12,774.77	7,466.33	-	5,308.44	157,623	(3)	(700.56)	156,923
8/19/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09000	0.10329	228,100.00	114,050.00	12,803.43	7,346.95	-	5,456.48	163,080	(3)	(700.56)	162,379
8/20/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09020	0.10157	228,100.00	114,050.00	12,832.10	7,224.73	-	5,607.37	168,687	(3)	(700.56)	167,986
8/21/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09040	0.09981	228,100.00	114,050.00	12,860.76	7,099.71	-	5,761.05	174,448	(3)	(700.56)	173,747
8/22/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09060	0.09801	228,100.00	114,050.00	12,889.43	6,971.92	-	5,917.50	180,366	(3)	(700.56)	179,665
8/23/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09080	0.09618	228,100.00	114,050.00	12,918.09	6,841.41	-	6,076.68	186,442	(3)	(700.56)	185,742
8/24/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09100	0.09431	228,100.00	114,050.00	12,946.75	6,708.22	-	6,238.54	192,681	(3)	(700.56)	191,980
8/25/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09121	0.09240	228,100.00	114,050.00	12,975.42	6,572.37	-	6,403.04	199,084	(3)	(700.56)	198,383
8/26/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09141	0.09045	228,100.00	114,050.00	13,004.08	6,433.92	-	6,570.16	205,654	(3)	(700.56)	204,953
8/27/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09161	0.08847	228,100.00	114,050.00	13,032.75	6,292.91	-	6,739.84	212,394	(3)	(700.56)	211,693
8/28/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09181	0.08645	228,100.00	114,050.00	13,061.41	6,149.37	-	6,912.04	219,306	(3)	(700.56)	218,605
8/29/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09201	0.08440	228,100.00	114,050.00	13,090.07	6,003.34	-	7,086.73	226,393	(3)	(700.56)	225,692
8/30/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09221	0.08231	228,100.00	114,050.00	13,118.74	5,854.88	-	7,263.85	233,656	(3)	(700.56)	232,956
8/31/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09241	0.08019	228,100.00	114,050.00	13,147.40	5,704.03	-	7,443.37	241,100	(3)	(700.56)	240,399
9/1/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09262	0.07803	228,100.00	114,050.00	13,176.06	5,550.82	-	7,625.24	248,725	(3)	(700.56)	248,024
9/2/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09282	0.07585	228,100.00	114,050.00	13,204.73	5,395.31	-	7,809.42	256,534	(3)	(700.56)	255,834
9/3/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09302	0.07363	228,100.00	114,050.00	13,233.39	5,237.55	-	7,995.85	264,530	(3)	(700.56)	263,830
9/4/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09322	0.07138	228,100.00	114,050.00	13,262.06	5,077.57	-	8,184.49	272,715	(3)	(700.56)	272,014
9/5/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09342	0.06910	228,100.00	114,050.00	13,290.72	4,915.42	-	8,375.30	281,090	(3)	(700.56)	280,390
9/6/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09362	0.06679	228,100.00	114,050.00	13,319.38	4,751.17	-	8,568.22	289,658	(3)	(700.56)	288,958
9/7/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09383	0.06445	228,100.00	114,050.00	13,348.05	4,584.84	-	8,763.21	298,422	(3)	(700.56)	297,721

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - May 1 - Oct. 31@ 350 tonnes per day

2007 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
9/8/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09403	0.06209	228,100.00	114,050.00	13,376.71	4,416.49	-	8,960.22	307,382	(3)	(700.56)	306,681
9/9/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09423	0.05969	228,100.00	114,050.00	13,405.38	4,246.18	-	9,159.19	316,541	(3)	(700.56)	315,840
9/10/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09443	0.05727	228,100.00	114,050.00	13,434.04	4,073.95	-	9,360.09	325,901	(3)	(700.56)	325,200
9/11/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09463	0.05483	228,100.00	114,050.00	13,462.70	3,899.85	-	9,562.85	335,464	(3)	(700.56)	334,763
9/12/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09483	0.05235	228,100.00	114,050.00	13,491.37	3,723.94	-	9,767.43	345,231	(3)	(700.56)	344,531
9/13/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09503	0.04985	228,100.00	114,050.00	13,520.03	3,546.27	-	9,973.76	355,205	(3)	(700.56)	354,504
9/14/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09524	0.04733	228,100.00	114,050.00	13,548.70	3,366.88	-	10,181.81	365,387	(3)	(700.56)	364,686
9/15/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09544	0.04479	228,100.00	114,050.00	13,577.36	3,185.84	-	10,391.52	375,778	(3)	(700.56)	375,078
9/16/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09564	0.04222	228,100.00	114,050.00	13,606.02	3,003.19	108,000.00	(97,397.17)	278,381	(3)	(700.56)	277,681
9/17/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09453	0.03963	228,100.00	114,050.00	13,447.81	2,819.00	108,000.00	(97,371.18)	181,010	(3)	(700.56)	180,309
9/18/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09341	0.03702	228,100.00	114,050.00	13,289.60	2,633.31	108,000.00	(97,343.70)	83,666	(3)	(700.56)	82,966
9/19/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09210	0.03439	228,100.00	114,050.00	13,102.73	2,446.18	108,000.00	(97,343.45)	(13,677)	(3)	(700.56)	(14,378)
9/20/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.09079	0.03174	228,100.00	114,050.00	12,915.86	2,257.66	-	10,658.19	(3,019)	(3)	(700.56)	(3,719)
9/21/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08947	0.02907	228,100.00	114,050.00	12,728.98	2,067.82	-	10,661.16	7,642	(3)	(700.56)	6,942
9/22/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08816	0.02638	228,100.00	114,050.00	12,542.11	1,876.71	-	10,665.40	18,308	(3)	(700.56)	17,607
9/23/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08685	0.02368	228,100.00	114,050.00	12,355.24	1,684.38	-	10,670.86	28,978	(3)	(700.56)	28,278
9/24/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08553	0.02096	228,100.00	114,050.00	12,168.36	1,490.89	-	10,677.48	39,656	(3)	(700.56)	38,955
9/25/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08422	0.01822	228,100.00	114,050.00	11,981.49	1,296.30	-	10,685.19	50,341	(3)	(700.56)	49,641
9/26/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08291	0.01547	228,100.00	114,050.00	11,794.62	1,100.66	-	10,693.95	61,035	(3)	(700.56)	60,335
9/27/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08159	0.01271	228,100.00	114,050.00	11,607.74	904.04	-	10,703.70	71,739	(3)	(700.56)	71,038
9/28/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.08028	0.00993	228,100.00	114,050.00	11,420.87	706.50	-	10,714.37	82,453	(3)	(700.56)	81,753
9/29/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07897	0.00714	228,100.00	114,050.00	11,234.00	508.08	-	10,725.92	93,179	(3)	(700.56)	92,479
9/30/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07765	0.00434	228,100.00	114,050.00	11,047.12	308.85	-	10,738.27	103,917	(3)	(700.56)	103,217
10/1/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07634	0.00153	228,100.00	114,050.00	10,860.25	108.88	-	10,751.37	114,669	(3)	(700.56)	113,968
10/2/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07502	0.00000	228,100.00	114,050.00	10,673.38	-	-	10,673.38	125,342	(3)	(700.56)	124,642
10/3/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07371	0.00000	228,100.00	114,050.00	10,486.50	-	-	10,486.50	135,829	(3)	(700.56)	135,128
10/4/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07240	0.00000	228,100.00	114,050.00	10,299.63	-	-	10,299.63	146,128	(3)	(700.56)	145,428
10/5/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.07108	0.00000	228,100.00	114,050.00	10,112.76	-	-	10,112.76	156,241	(3)	(700.56)	155,540
10/6/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06977	0.00000	228,100.00	114,050.00	9,925.88	-	-	9,925.88	166,167	(3)	(700.56)	165,466
10/7/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06846	0.00000	228,100.00	114,050.00	9,739.01	-	-	9,739.01	175,906	(3)	(700.56)	175,205
10/8/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06714	0.00000	228,100.00	114,050.00	9,552.14	-	-	9,552.14	185,458	(3)	(700.56)	184,757
10/9/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06583	0.00000	228,100.00	114,050.00	9,365.26	-	-	9,365.26	194,823	(3)	(700.56)	194,123
10/10/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06452	0.00000	228,100.00	114,050.00	9,178.39	-	-	9,178.39	204,002	(3)	(700.56)	203,301
10/11/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06320	0.00000	228,100.00	114,050.00	8,991.51	-	-	8,991.51	212,993	(3)	(700.56)	212,293
10/12/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06189	0.00000	228,100.00	114,050.00	8,804.64	-	-	8,804.64	221,798	(3)	(700.56)	221,097
10/13/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.06058	0.00000	228,100.00	114,050.00	8,617.77	-	-	8,617.77	230,416	(3)	(700.56)	229,715
10/14/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05926	0.00000	228,100.00	114,050.00	8,430.89	-	-	8,430.89	238,847	(3)	(700.56)	238,146
10/15/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05795	0.00000	228,100.00	114,050.00	8,244.02	-	-	8,244.02	247,091	(3)	(700.56)	246,390
10/16/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05663	0.00000	228,100.00	114,050.00	8,057.15	-	-	8,057.15	255,148	(3)	(700.56)	254,447
10/17/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05532	0.00000	228,100.00	114,050.00	7,870.27	-	-	7,870.27	263,018	(3)	(700.56)	262,317
10/18/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05397	0.00000	228,100.00	114,050.00	7,677.94	-	-	7,677.94	270,696	(3)	(700.56)	269,995
10/19/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05393	0.00000	228,100.00	114,050.00	7,672.48	-	-	7,672.48	278,368	(3)	(700.56)	277,668
10/20/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05389	0.00000	228,100.00	114,050.00	7,667.02	-	-	7,667.02	286,035	(3)	(700.56)	285,335
10/21/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05385	0.00000	228,100.00	114,050.00	7,661.56	-	-	7,661.56	293,697	(3)	(700.56)	292,996
10/22/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05382	0.00000	228,100.00	114,050.00	7,656.10	-	-	7,656.10	301,353	(3)	(700.56)	300,653
10/23/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05378	0.00000	228,100.00	114,050.00	7,650.64	-	-	7,650.64	309,004	(3)	(700.56)	308,303
10/24/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05374	0.00000	228,100.00	114,050.00	7,645.18	-	-	7,645.18	316,649	(3)	(700.56)	315,948
10/25/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05370	0.00000	228,100.00	114,050.00	7,639.72	-	-	7,639.72	324,289	(3)	(700.56)	323,588
10/26/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05366	0.00000	228,100.00	114,050.00	7,634.26	-	-	7,634.26	331,923	(3)	(700.56)	331,222
10/27/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05362	0.00000	228,100.00	114,050.00	7,628.80	-	-	7,628.80	339,552	(3)	(700.56)	338,851
10/28/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05359	0.00000	228,100.00	114,050.00	7,623.34	-	-	7,623.34	347,175	(3)	(700.56)	346,474
10/29/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05355	0.00000	228,100.00	114,050.00	7,617.88	-	-	7,617.88	354,793	(3)	(700.56)	354,092
10/30/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05351	0.00000	228,100.00	114,050.00	7,612.42	-	-	7,612.42	362,405	(3)	(700.56)	361,705
10/31/2007	500	15%	86.17	12%	0.6	15%	88.24	-2.7	0.05347	0.00000	228,100.00	114,050.00	7,606.96	-	-	7,606.96	370,012	(3)	(700.56)	369,312
11/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05343	0.00000	228,100.00	114,050.00	7,601.50	-	-	7,601.50	377,614	(11)	(2,831.20)	374,783
11/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05339	0.00000	228,100.00	114,050.00	7,596.04	-	-	7,596.04	385,210	(11)	(2,831.20)	382,379
11/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05336	0.00000	228,100.00	114,050.00	7,590.58	-	-	7,590.58	392,800	(11)	(2,831.20)	389,969
11/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05332	0.00000	228,100.00	114,050.00	7,585.12	-	-	7,585.12	400,386	(11)	(2,831.20)	397,554
11/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05328	0.00000	228,100.00	114,050.00	7,579.67	-	-	7,579.67	407,965	(11)	(2,831.20)	405,134
11/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05324	0.00000	228,100.00	114,050.00	7,574.21	-	-	7,574.21	415,539	(11)	(2,831.20)	412,708
11/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05320	0.00000	228,100.00	114,050.00	7,568.75	-	-	7,568.75	423,108	(11)	(2,831.20)	420,277
11/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,563.29	-	-	7,563.29	430,671	(11)	(2,831.20)	427,840
11/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.83	-	-	7,557.83	438,229	(11)	(2,831.20)	435,398
11/10/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05309	0.00000	228,100.00	114,050.00	7,552.37	-	-	7,552.37	445,782	(11)	(2,831.20)	442,950
11/11/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-	-	7,546.91	453,329	(11)	(2,831.20)	450,497
11/12/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.45	-	-	7,541.45	460,870	(11)	(2,831.20)	458,039
11/13/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,535.99	-	-	7,535.99	468,406	(11)	(2,831.20)	465,575
11/14/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,530.53	-	-	7,530.53	475,937	(11)	(2,831.20)	473,105
11/15/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,525.07	-	-	7,525.07	483,462	(11)	(2,831.20)	480,630
11/16/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05286	0.00000	228,100.00	114,050.00	7,519.61	-	-	7,519.61	490,981	(11)	(2,831.20)	488,150
11/17/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.89	-	-	7,515.89	498,497	(11)	(2,831.20)	495,666
11/18/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05280	0.00000	228,100.00	114,050.00	7,512.16	-	-	7,512.16	506,009	(11)	(2,831.20)	503,178
11/19/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05282	0.00000	228,100.00	114,050.00	7,513.90	-	-	7,513.90	513,523	(11)	(2,831.20)	510,692
11/20/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.64	-	-	7,515.64	521,039	(11)	(2,831.20)	518,208
11/21/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05284	0.00000	228,100.00	114,050.00	7,517.37	-	-	7,517.37	528,556	(11)	(2,831.20)	525,725
11/22/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05285	0.00000	228,100.00	114,050.00	7,519.11	-	-	7,519.11	536,075	(11)	(2,831.20)	533,244
11/23/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05287	0.00000	228,100.00	114,050.00	7,520.85	-	-	7,520.85	543,596	(11)	(2,831.20)	540,765
11/24/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05288	0.00000	228,100.00	114,050.00	7,522.59	-	-	7,522.59	551,119	(11)	(2,831.20)	548,287
11/25/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,524.32	-	-	7,524.32	558,643	(11)	(2,831.20)	555,812
11/26/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05290	0.00000	228,100.00	114,050.00	7,526.06	-	-	7,526.06	566,169	(11)	(2,831.20)	563,338
11/27/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05291	0.00000	228,100.00	114,050.00	7,527.80	-	-	7,527.80	573,697	(11)	(2,831.20)	570,866
11/28/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,529.53	-	-	7,529.53	581,226	(11)	(2,831.20)	578,395

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - May 1 - Oct. 31@ 350 tonnes per day

2007 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
11/29/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05294	0.00000	228,100.00	114,050.00	7,531.27	-	-	7,531.27	588,758	(11)	(2,831.20)	585,926
11/30/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05295	0.00000	228,100.00	114,050.00	7,533.01	-	-	7,533.01	596,291	(11)	(2,831.20)	593,459
12/1/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05296	0.00000	228,100.00	114,050.00	7,534.75	-	-	7,534.75	603,825	(11)	(2,831.20)	600,994
12/2/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,536.48	-	-	7,536.48	611,362	(11)	(2,831.20)	608,531
12/3/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05299	0.00000	228,100.00	114,050.00	7,538.22	-	-	7,538.22	618,900	(11)	(2,831.20)	616,069
12/4/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05300	0.00000	228,100.00	114,050.00	7,539.96	-	-	7,539.96	626,440	(11)	(2,831.20)	623,609
12/5/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.69	-	-	7,541.69	633,982	(11)	(2,831.20)	631,151
12/6/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05302	0.00000	228,100.00	114,050.00	7,543.43	-	-	7,543.43	641,525	(11)	(2,831.20)	638,694
12/7/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05304	0.00000	228,100.00	114,050.00	7,545.17	-	-	7,545.17	649,070	(11)	(2,831.20)	646,239
12/8/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-	-	7,546.91	656,617	(11)	(2,831.20)	653,786
12/9/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05306	0.00000	228,100.00	114,050.00	7,548.64	-	-	7,548.64	664,166	(11)	(2,831.20)	661,335
12/10/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05307	0.00000	228,100.00	114,050.00	7,550.38	-	-	7,550.38	671,716	(11)	(2,831.20)	668,885
12/11/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05308	0.00000	228,100.00	114,050.00	7,552.12	-	-	7,552.12	679,268	(11)	(2,831.20)	676,437
12/12/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05310	0.00000	228,100.00	114,050.00	7,553.86	-	-	7,553.86	686,822	(11)	(2,831.20)	683,991
12/13/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05311	0.00000	228,100.00	114,050.00	7,555.59	-	-	7,555.59	694,378	(11)	(2,831.20)	691,547
12/14/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.33	-	-	7,557.33	701,935	(11)	(2,831.20)	699,104
12/15/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05313	0.00000	228,100.00	114,050.00	7,559.07	-	-	7,559.07	709,494	(11)	(2,831.20)	706,663
12/16/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05315	0.00000	228,100.00	114,050.00	7,560.80	-	-	7,560.80	717,055	(11)	(2,831.20)	714,224
12/17/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,562.54	-	-	7,562.54	724,618	(11)	(2,831.20)	721,786
12/18/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05262	0.00000	228,100.00	114,050.00	7,486.10	-	-	7,486.10	732,104	(11)	(2,831.20)	729,273
12/19/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05207	0.00000	228,100.00	114,050.00	7,407.93	-	-	7,407.93	739,512	(11)	(2,831.20)	736,680
12/20/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05152	0.00000	228,100.00	114,050.00	7,329.76	-	-	7,329.76	746,841	(11)	(2,831.20)	744,010
12/21/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05097	0.00000	228,100.00	114,050.00	7,251.58	-	-	7,251.58	754,093	(11)	(2,831.20)	751,262
12/22/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05042	0.00000	228,100.00	114,050.00	7,173.41	-	-	7,173.41	761,266	(11)	(2,831.20)	758,435
12/23/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04987	0.00000	228,100.00	114,050.00	7,095.23	-	-	7,095.23	768,362	(11)	(2,831.20)	765,530
12/24/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04932	0.00000	228,100.00	114,050.00	7,017.06	-	-	7,017.06	775,379	(11)	(2,831.20)	772,547
12/25/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04877	0.00000	228,100.00	114,050.00	6,938.89	-	-	6,938.89	782,318	(11)	(2,831.20)	779,486
12/26/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04822	0.00000	228,100.00	114,050.00	6,860.71	-	-	6,860.71	789,178	(11)	(2,831.20)	786,347
12/27/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04768	0.00000	228,100.00	114,050.00	6,782.54	-	-	6,782.54	795,961	(11)	(2,831.20)	793,130
12/28/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04713	0.00000	228,100.00	114,050.00	6,704.36	-	-	6,704.36	802,665	(11)	(2,831.20)	799,834
12/29/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04658	0.00000	228,100.00	114,050.00	6,626.19	-	-	6,626.19	809,291	(11)	(2,831.20)	806,460
12/30/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04603	0.00000	228,100.00	114,050.00	6,548.01	-	-	6,548.01	815,839	(11)	(2,831.20)	813,008
12/31/2007	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04548	0.00000	228,100.00	114,050.00	6,469.84	-	-	6,469.84	822,309	(11)	(2,831.20)	819,478
	113900																			
			2902.86		88.25		4334.87						742789.50	130871.25				-1520.26	-401409.19	
			#######		89.42		13500.00						1659154.38	866308.58	2268000.00			-405.95	-107185.52	
			688.71		35.65		1307.14						452296.95	0.00				-654.08	-172703.43	

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day

2008 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
																	819,478			
1/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05485	0.00000	228,100.00	114,050.00	7,803.01	-	-	7,803.01	827,281	(11)	(2,831.20)	824,450
1/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04518	0.00000	228,100.00	114,050.00	6,427.20	-	-	6,427.20	833,708	(11)	(2,831.20)	830,877
1/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04464	0.00000	228,100.00	114,050.00	6,351.39	-	-	6,351.39	840,060	(11)	(2,831.20)	837,228
1/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04411	0.00000	228,100.00	114,050.00	6,275.59	-	-	6,275.59	846,335	(11)	(2,831.20)	843,504
1/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04358	0.00000	228,100.00	114,050.00	6,199.78	-	-	6,199.78	852,535	(11)	(2,831.20)	849,704
1/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04305	0.00000	228,100.00	114,050.00	6,123.98	-	-	6,123.98	858,659	(11)	(2,831.20)	855,828
1/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04251	0.00000	228,100.00	114,050.00	6,048.17	-	-	6,048.17	864,707	(11)	(2,831.20)	861,876
1/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04198	0.00000	228,100.00	114,050.00	5,972.37	-	-	5,972.37	870,680	(11)	(2,831.20)	867,848
1/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04145	0.00000	228,100.00	114,050.00	5,896.56	-	-	5,896.56	876,576	(11)	(2,831.20)	873,745
1/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04091	0.00000	228,100.00	114,050.00	5,820.76	-	-	5,820.76	882,397	(11)	(2,831.20)	879,566
1/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04038	0.00000	228,100.00	114,050.00	5,744.95	-	-	5,744.95	888,142	(11)	(2,831.20)	885,311
1/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.00000	228,100.00	114,050.00	5,669.15	-	-	5,669.15	893,811	(11)	(2,831.20)	890,980
1/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03932	0.00000	228,100.00	114,050.00	5,593.34	-	-	5,593.34	899,404	(11)	(2,831.20)	896,573
1/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03878	0.00000	228,100.00	114,050.00	5,517.54	-	-	5,517.54	904,922	(11)	(2,831.20)	902,091
1/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03825	0.00000	228,100.00	114,050.00	5,441.73	-	-	5,441.73	910,364	(11)	(2,831.20)	907,532
1/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03772	0.00000	228,100.00	114,050.00	5,365.93	-	-	5,365.93	915,730	(11)	(2,831.20)	912,898
1/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03718	0.00000	228,100.00	114,050.00	5,290.12	-	-	5,290.12	921,020	(11)	(2,831.20)	918,188
1/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03665	0.00000	228,100.00	114,050.00	5,214.32	-	-	5,214.32	926,234	(11)	(2,831.20)	923,403
1/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03552	0.00000	228,100.00	114,050.00	5,052.87	-	-	5,052.87	931,287	(11)	(2,831.20)	928,456
1/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03545	0.00000	228,100.00	114,050.00	5,043.03	-	-	5,043.03	936,330	(11)	(2,831.20)	933,499
1/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03538	0.00000	228,100.00	114,050.00	5,033.19	-	-	5,033.19	941,363	(11)	(2,831.20)	938,532
1/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03531	0.00000	228,100.00	114,050.00	5,023.35	-	-	5,023.35	946,386	(11)	(2,831.20)	943,555
1/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03524	0.00000	228,100.00	114,050.00	5,013.51	-	-	5,013.51	951,400	(11)	(2,831.20)	948,569
1/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03517	0.00000	228,100.00	114,050.00	5,003.68	-	-	5,003.68	956,404	(11)	(2,831.20)	953,572
1/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03510	0.00000	228,100.00	114,050.00	4,993.84	-	-	4,993.84	961,397	(11)	(2,831.20)	958,566
1/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03503	0.00000	228,100.00	114,050.00	4,984.00	-	-	4,984.00	966,381	(11)	(2,831.20)	963,550
1/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03496	0.00000	228,100.00	114,050.00	4,974.16	-	-	4,974.16	971,356	(11)	(2,831.20)	968,524
1/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03489	0.00000	228,100.00	114,050.00	4,964.32	-	-	4,964.32	976,320	(11)	(2,831.20)	973,489
1/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03483	0.00000	228,100.00	114,050.00	4,954.49	-	-	4,954.49	981,274	(11)	(2,831.20)	978,443
1/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03476	0.00000	228,100.00	114,050.00	4,944.65	-	-	4,944.65	986,219	(11)	(2,831.20)	983,388
1/31/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03469	0.00000	228,100.00	114,050.00	4,934.81	-	-	4,934.81	991,154	(11)	(2,831.20)	988,323
2/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03462	0.00000	228,100.00	114,050.00	4,924.97	-	-	4,924.97	996,079	(11)	(2,831.20)	993,248
2/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03455	0.00000	228,100.00	114,050.00	4,915.13	-	-	4,915.13	1,000,994	(11)	(2,831.20)	998,163
2/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03448	0.00000	228,100.00	114,050.00	4,905.29	-	-	4,905.29	1,005,899	(11)	(2,831.20)	1,003,068
2/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03441	0.00000	228,100.00	114,050.00	4,895.46	-	-	4,895.46	1,010,795	(11)	(2,831.20)	1,007,963
2/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03434	0.00000	228,100.00	114,050.00	4,885.62	-	-	4,885.62	1,015,680	(11)	(2,831.20)	1,012,849
2/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03427	0.00000	228,100.00	114,050.00	4,875.78	-	-	4,875.78	1,020,556	(11)	(2,831.20)	1,017,725
2/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03420	0.00000	228,100.00	114,050.00	4,865.94	-	-	4,865.94	1,025,422	(11)	(2,831.20)	1,022,591
2/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03413	0.00000	228,100.00	114,050.00	4,856.10	-	-	4,856.10	1,030,278	(11)	(2,831.20)	1,027,447
2/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03407	0.00000	228,100.00	114,050.00	4,846.26	-	-	4,846.26	1,035,124	(11)	(2,831.20)	1,032,293
2/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03400	0.00000	228,100.00	114,050.00	4,836.43	-	-	4,836.43	1,039,961	(11)	(2,831.20)	1,037,130
2/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03393	0.00000	228,100.00	114,050.00	4,826.59	-	-	4,826.59	1,044,787	(11)	(2,831.20)	1,041,956
2/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03386	0.00000	228,100.00	114,050.00	4,816.75	-	-	4,816.75	1,049,604	(11)	(2,831.20)	1,046,773
2/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,806.91	-	-	4,806.91	1,054,411	(11)	(2,831.20)	1,051,580
2/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,797.07	-	-	4,797.07	1,059,208	(11)	(2,831.20)	1,056,377
2/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03365	0.00000	228,100.00	114,050.00	4,787.24	-	-	4,787.24	1,063,995	(11)	(2,831.20)	1,061,164
2/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,807.71	-	-	4,807.71	1,068,803	(11)	(2,831.20)	1,065,972
2/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03394	0.00000	228,100.00	114,050.00	4,828.18	-	-	4,828.18	1,073,631	(11)	(2,831.20)	1,070,800
2/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03408	0.00000	228,100.00	114,050.00	4,848.66	-	-	4,848.66	1,078,480	(11)	(2,831.20)	1,075,649
2/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03423	0.00000	228,100.00	114,050.00	4,869.13	-	-	4,869.13	1,083,349	(11)	(2,831.20)	1,080,518
2/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03444	0.00000	228,100.00	114,050.00	4,899.44	-	-	4,899.44	1,088,249	(11)	(2,831.20)	1,085,417
2/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03465	0.00000	228,100.00	114,050.00	4,929.76	-	-	4,929.76	1,093,178	(11)	(2,831.20)	1,090,347
2/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03486	0.00000	228,100.00	114,050.00	4,960.07	-	-	4,960.07	1,098,138	(11)	(2,831.20)	1,095,307
2/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03508	0.00000	228,100.00	114,050.00	4,990.38	-	-	4,990.38	1,103,129	(11)	(2,831.20)	1,100,298
2/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03529	0.00000	228,100.00	114,050.00	5,020.69	-	-	5,020.69	1,108,149	(11)	(2,831.20)	1,105,318
2/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03550	0.00000	228,100.00	114,050.00	5,051.01	-	-	5,051.01	1,113,200	(11)	(2,831.20)	1,110,369
2/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03572	0.00000	228,100.00	114,050.00	5,081.32	-	-	5,081.32	1,118,282	(11)	(2,831.20)	1,115,451
2/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03593	0.00000	228,100.00	114,050.00	5,111.63	-	-	5,111.63	1,123,393	(11)	(2,831.20)	1,120,562
2/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03614	0.00000	228,100.00	114,050.00	5,141.94	-	-	5,141.94	1,128,535	(11)	(2,831.20)	1,125,704
2/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03636	0.00000	228,100.00	114,050.00	5,172.26	-	-	5,172.26	1,133,708	(11)	(2,831.20)	1,130,876
3/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.00000	228,100.00	114,050.00	5,202.57	-	-	5,202.57	1,138,910	(11)	(2,831.20)	1,136,079
3/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03678	0.00000	228,100.00	114,050.00	5,232.88	-	-	5,232.88	1,144,143	(11)	(2,831.20)	1,141,312
3/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03700	0.00000	228,100.00	114,050.00	5,263.19	-	-	5,263.19	1,149,406	(11)	(2,831.20)	1,146,575
3/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03721	0.00000	228,100.00	114,050.00	5,293.51	-	-	5,293.51	1,154,700	(11)	(2,831.20)	1,151,869
3/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03742	0.00000	228,100.00	114,050.00	5,323.82	-	-	5,323.82	1,160,024	(11)	(2,831.20)	1,157,192
3/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03763	0.00000	228,100.00	114,050.00	5,354.13	-	-	5,354.13	1,165,378	(11)	(2,831.20)	1,162,546
3/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03785	0.00000	228,100.00	114,050.00	5,384.44	-	-	5,384.44	1,170,762	(11)	(2,831.20)	1,167,931
3/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03806	0.00000	228,100.00	114,050.00	5,414.76	-	-	5,414.76	1,176,177	(11)	(2,831.20)	1,173,346
3/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03827	0.00000	228,100.00	114,050.00	5,445.07	-	-	5,445.07	1,181,622	(11)	(2,831.20)	1,178,791
3/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03849	0.00000	228,100.00	114,050.00	5,475.38	-	-	5,475.38	1,187,097	(11)	(2,831.20)	1,184,266
3/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03870	0.00000	228,100.00	114,050.00	5,505.69	-	-	5,505.69	1,192,603	(11)	(2,831.20)	1,189,772
3/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.00000	228,100.00	114,050.00	5,536.01	-	-	5,536.01	1,198,139	(11)	(2,831.20)	1,195,308
3/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03913	0.00000	228,100.00	114,050.00	5,566.32	-	-	5,566.32	1,203,705	(11)	(2,831.20)	1,200,874
3/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03934	0.00000	228,100.00	114,050.00	5,596.63	-	-	5,596.63	1,209,302	(11)	(2,831.20)	1,206,471
3/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03955	0.00000	228,100.00	114,050.00	5,626.94	-	-	5,626.94	1,214,929	(11)	(2,831.20)	1,212,098
3/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03977	0.00000	228,100.00	114,050.00	5,657.26	-	-	5,657.26	1,220,586	(11)	(2,831.20)	1,217,755
3/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03998	0.00000	228,100.00	114,050.00	5,687.57	-	-	5,687.57	1,226,274	(11)	(2,831.20)	1,223,443
3/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03965	0.00000	228,100.00	114,050.00	5,641.13	-	-	5,641.13	1,231,915	(11)	(2,831.20)	1,229,084
3/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03911	0.00000	228,100.00	114,050.00	5,564.39	-	-	5,564.39	1,237,479	(11)	(2,831.20)	1,234,648
3/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03857	0.00000	228,100.00	114,050.00	5,487.64	-	-	5,487.64	1,242,967	(11)	(2,831.20)	1,240,136
3/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03803	0.00000	228,100.00	114,050.00	5,410.89	-	-	5,410.89	1,248,378	(11)	(2,831.20)	1,245,547
3/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03749	0.00000	228,100.00	114,050.00	5,334.14	-	-	5,334.14	1,253,712	(11)	(2,831.20)	1,250,881
3/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03695	0.00000	228,100.00	114,050.00	5,257.40	-	-	5,257.40	1,258,969	(11)	(2,831.20)	1,256,138
3/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03642	0.00000	228,100.00	114,050.00	5,180.65	-	-	5,180.65	1,264,150	(11)	(2,831.20)	1,261,319
3/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03588	0.00000	228,100.00	114,050.00	5,103.90	-	-	5,103.90	1,269,254	(11)	(2,831.20)	1,266,423
3/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03534	0.00000	228,100.00	114,050.00	5,027.16	-	-	5,027.16	1,274,281	(11)	(2,831.20)	1,271,450

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day

2008 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
3/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03480	0.00000	228,100.00	114,050.00	4,950.41	-	-	4,950.41	1,279,231	(11)	(2,831.20)	1,276,400
3/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03426	0.00000	228,100.00	114,050.00	4,873.66	-	-	4,873.66	1,284,105	(11)	(2,831.20)	1,281,274
3/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,796.91	-	-	4,796.91	1,288,902	(11)	(2,831.20)	1,286,071
3/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03318	0.00000	228,100.00	114,050.00	4,720.17	-	-	4,720.17	1,293,622	(11)	(2,831.20)	1,290,791
3/31/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03264	0.00000	228,100.00	114,050.00	4,643.42	-	-	4,643.42	1,298,266	(11)	(2,831.20)	1,295,434
4/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03210	0.00000	228,100.00	114,050.00	4,566.67	-	-	4,566.67	1,302,832	(11)	(2,831.20)	1,300,001
4/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03156	0.00000	228,100.00	114,050.00	4,489.93	-	-	4,489.93	1,307,322	(11)	(2,831.20)	1,304,491
4/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03102	0.00000	228,100.00	114,050.00	4,413.18	-	-	4,413.18	1,311,735	(11)	(2,831.20)	1,308,904
4/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03048	0.00000	228,100.00	114,050.00	4,336.43	-	-	4,336.43	1,316,072	(11)	(2,831.20)	1,313,241
4/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02994	0.00000	228,100.00	114,050.00	4,259.68	-	-	4,259.68	1,320,331	(11)	(2,831.20)	1,317,500
4/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02940	0.00000	228,100.00	114,050.00	4,182.94	-	-	4,182.94	1,324,514	(11)	(2,831.20)	1,321,683
4/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.00000	228,100.00	114,050.00	4,106.19	-	-	4,106.19	1,328,621	(11)	(2,831.20)	1,325,789
4/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02832	0.00000	228,100.00	114,050.00	4,029.44	-	-	4,029.44	1,332,650	(11)	(2,831.20)	1,329,819
4/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02778	0.00000	228,100.00	114,050.00	3,952.70	-	-	3,952.70	1,336,603	(11)	(2,831.20)	1,333,772
4/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02724	0.00000	228,100.00	114,050.00	3,875.95	-	-	3,875.95	1,340,479	(11)	(2,831.20)	1,337,648
4/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02671	0.00000	228,100.00	114,050.00	3,799.20	-	-	3,799.20	1,344,278	(11)	(2,831.20)	1,341,447
4/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02617	0.00000	228,100.00	114,050.00	3,722.45	-	-	3,722.45	1,348,000	(11)	(2,831.20)	1,345,169
4/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02563	0.00000	228,100.00	114,050.00	3,645.71	-	-	3,645.71	1,351,646	(11)	(2,831.20)	1,348,815
4/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02509	0.00000	228,100.00	114,050.00	3,568.96	-	-	3,568.96	1,355,215	(11)	(2,831.20)	1,352,384
4/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02455	0.00000	228,100.00	114,050.00	3,492.21	-	-	3,492.21	1,358,707	(11)	(2,831.20)	1,355,876
4/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02401	0.00000	228,100.00	114,050.00	3,415.47	-	-	3,415.47	1,362,123	(11)	(2,831.20)	1,359,292
4/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02385	0.00000	228,100.00	114,050.00	3,393.13	-	-	3,393.13	1,365,516	(11)	(2,831.20)	1,362,685
4/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02369	0.00000	228,100.00	114,050.00	3,370.79	-	-	3,370.79	1,368,887	(11)	(2,831.20)	1,366,055
4/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02408	0.00000	228,100.00	114,050.00	3,425.21	-	-	3,425.21	1,372,312	(11)	(2,831.20)	1,369,481
4/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02446	0.00000	228,100.00	114,050.00	3,479.62	-	-	3,479.62	1,375,791	(11)	(2,831.20)	1,372,960
4/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02484	0.00000	228,100.00	114,050.00	3,534.03	-	-	3,534.03	1,379,325	(11)	(2,831.20)	1,376,494
4/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02522	0.00000	228,100.00	114,050.00	3,588.44	-	-	3,588.44	1,382,914	(11)	(2,831.20)	1,380,083
4/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02561	0.00000	228,100.00	114,050.00	3,642.85	-	-	3,642.85	1,386,557	(11)	(2,831.20)	1,383,726
4/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02599	0.00012	228,100.00	114,050.00	3,697.26	8.63	-	3,688.64	1,390,245	(11)	(2,831.20)	1,387,414
4/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02637	0.00294	228,100.00	114,050.00	3,751.68	208.96	-	3,542.72	1,393,788	(11)	(2,831.20)	1,390,957
4/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02675	0.00574	228,100.00	114,050.00	3,806.09	408.56	-	3,397.52	1,397,186	(11)	(2,831.20)	1,394,354
4/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02714	0.00854	228,100.00	114,050.00	3,860.50	607.39	-	3,253.11	1,400,439	(11)	(2,831.20)	1,397,608
4/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02752	0.01132	228,100.00	114,050.00	3,914.91	805.38	-	3,109.53	1,403,548	(11)	(2,831.20)	1,400,717
4/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02790	0.01409	228,100.00	114,050.00	3,969.32	1,002.47	-	2,966.85	1,406,515	(11)	(2,831.20)	1,403,684
4/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02828	0.01685	228,100.00	114,050.00	4,023.73	1,198.61	-	2,825.13	1,409,340	(11)	(2,831.20)	1,406,509
5/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.01959	228,100.00	114,050.00	4,106.18	1,393.73	-	2,712.45	1,412,053	(11)	(2,831.20)	1,409,222
5/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02923	0.02232	228,100.00	114,050.00	4,158.94	1,587.77	-	2,571.17	1,414,624	(11)	(2,831.20)	1,411,793
5/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02960	0.02503	228,100.00	114,050.00	4,211.70	1,780.69	-	2,431.01	1,417,055	(11)	(2,831.20)	1,414,224
5/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02998	0.02773	228,100.00	114,050.00	4,264.47	1,972.42	-	2,292.05	1,419,347	(11)	(2,831.20)	1,416,516
5/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03035	0.03041	228,100.00	114,050.00	4,317.23	2,162.90	-	2,154.32	1,421,501	(11)	(2,831.20)	1,418,670
5/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03072	0.03307	228,100.00	114,050.00	4,369.99	2,352.09	-	2,017.90	1,423,519	(11)	(2,831.20)	1,420,688
5/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03109	0.03571	228,100.00	114,050.00	4,422.75	2,539.92	-	1,882.83	1,425,402	(11)	(2,831.20)	1,422,571
5/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03146	0.03833	228,100.00	114,050.00	4,475.52	2,726.34	-	1,749.18	1,427,151	(11)	(2,831.20)	1,424,320
5/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03183	0.04093	228,100.00	114,050.00	4,528.28	2,911.29	-	1,616.99	1,428,768	(11)	(2,831.20)	1,425,937
5/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03220	0.04351	228,100.00	114,050.00	4,581.04	3,094.71	-	1,486.33	1,430,255	(11)	(2,831.20)	1,427,423
5/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03257	0.04606	228,100.00	114,050.00	4,633.80	3,276.56	-	1,357.24	1,431,612	(11)	(2,831.20)	1,428,781
5/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03294	0.04860	228,100.00	114,050.00	4,686.57	3,456.79	-	1,229.78	1,432,842	(11)	(2,831.20)	1,430,010
5/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03331	0.05111	228,100.00	114,050.00	4,739.33	3,635.32	-	1,104.01	1,433,946	(11)	(2,831.20)	1,431,114
5/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03368	0.05359	228,100.00	114,050.00	4,792.09	3,812.12	-	979.97	1,434,926	(11)	(2,831.20)	1,432,094
5/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05605	228,100.00	114,050.00	4,844.86	3,987.13	-	857.72	1,435,783	(11)	(2,831.20)	1,432,952
5/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05849	228,100.00	114,050.00	4,844.86	4,160.30	108,000.00	(107,315.45)	1,328,468	(11)	(2,831.20)	1,325,637
5/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03443	0.06089	228,100.00	114,050.00	4,897.62	4,331.58	108,000.00	(107,433.96)	1,221,034	(11)	(2,831.20)	1,218,203
5/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03527	0.06328	228,100.00	114,050.00	5,016.98	4,500.92	108,000.00	(107,483.93)	1,113,550	(11)	(2,831.20)	1,110,719
5/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03610	0.06563	228,100.00	114,050.00	5,136.35	4,668.26	108,000.00	(107,531.91)	1,006,018	(11)	(2,831.20)	1,003,187
5/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.06795	228,100.00	114,050.00	5,202.95	4,833.56	108,000.00	(107,630.61)	898,387	(11)	(2,831.20)	895,556
5/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03704	0.07025	228,100.00	114,050.00	5,269.55	4,996.76	108,000.00	(107,727.22)	790,660	(11)	(2,831.20)	787,829
5/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03751	0.07251	228,100.00	114,050.00	5,336.15	5,157.83	108,000.00	(107,821.68)	682,838	(11)	(2,831.20)	680,007
5/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03798	0.07474	228,100.00	114,050.00	5,402.75	5,316.71	108,000.00	(107,913.96)	574,925	(11)	(2,831.20)	572,093
5/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03844	0.07695	228,100.00	114,050.00	5,469.35	5,473.35	108,000.00	(108,004.01)	466,921	(11)	(2,831.20)	464,089
5/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.07912	228,100.00	114,050.00	5,535.95	5,627.72	108,000.00	(108,091.77)	358,829	(11)	(2,831.20)	355,998
5/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03938	0.08125	228,100.00	114,050.00	5,602.55	5,779.75	108,000.00	(108,177.20)	250,652	(11)	(2,831.20)	247,820
5/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.08336	228,100.00	114,050.00	5,669.15	5,929.42	108,000.00	(108,260.27)	142,391	(11)	(2,831.20)	139,560
5/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04032	0.08543	228,100.00	114,050.00	5,735.75	6,076.66	108,000.00	(108,340.91)	34,050	(11)	(2,831.20)	31,219
5/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04079	0.08746	228,100.00	114,050.00	5,802.35	6,221.45	-	(419.10)	33,631	(11)	(2,831.20)	30,800
5/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04125	0.08946	228,100.00	114,050.00	5,868.95	6,363.73	-	(494.79)	33,136	(11)	(2,831.20)	30,305
5/31/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04172	0.09143	228,100.00	114,050.00	5,935.55	6,503.47	-	(567.92)	32,569	(11)	(2,831.20)	29,737
6/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04219	0.09336	228,100.00	114,050.00	6,002.15	6,640.63	-	(638.48)	31,930	(11)	(2,831.20)	29,099
6/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04289	0.09525	228,100.00	114,050.00	6,102.05	6,775.15	-	(673.10)	31,257	(11)	(2,831.20)	28,426
6/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04337	0.09710	228,100.00	114,050.00	6,170.73	6,907.01	-	(736.28)	30,521	(11)	(2,831.20)	27,689
6/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04386	0.09892	228,100.00	114,050.00	6,239.41	7,036.16	-	(796.75)	29,724	(11)	(2,831.20)	26,893
6/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04434	0.10069	228,100.00	114,050.00	6,308.09	7,162.57	-	(854.47)	28,869	(11)	(2,831.20)	26,038
6/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04482	0.10243	228,100.00	114,050.00	6,376.78	7,286.19	-	(909.42)	27,960	(11)	(2,831.20)	25,129
6/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04531	0.10413	228,100.00	114,050.00	6,445.46	7,407.00	-	(961.54)	26,999	(11)	(2,831.20)	24,167
6/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04579	0.10579	228,100.00	114,050.00	6,514.14	7,524.95	-	(1,010.81)	25,988	(11)	(2,831.20)	23,156
6/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04627	0.10741	228,100.00	114,050.00	6,582.82	7,640.02	-	(1,057.19)	24,931	(11)	(2,831.20)	22,099
6/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04675	0.10898	228,100.00	114,050.00	6,651.50	7,752.16	-	(1,100.65)	23,830	(11)	(2,831.20)	20,999
6/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04724	0.11052	228,100.00	114,050.00	6,720.18	7,861.34	-	(1,141.15)	22,689	(11)	(2,831.20)	19,857
6/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04772	0.11201	228,100.00	114,050.00	6,788.87	7,967.53	-	(1,178.67)	21,510	(11)	(2,831.20)	18,679
6/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04820	0.11346	228,100.00	114,050.00	6,857.55	8,070.71	-	(1,213.16)	20,297	(11)	(2,831.20)	17,466
6/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04869	0.11487	228,100.00	114,050.00	6,926.23	8,170.83	-	(1,244.60)	19,052	(11)	(2,831.20)	16,221
6/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04917	0.11623	228,100.00	114,050.00	6,994.91	8,267.87	-	(1,272.96)	17,779	(11)	(2,831.20)	14,948
6/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04965	0.11755	228,100.00	114,050.00	7,063.59	8,361.81	-	(1,298.21)	16,481	(11)	(2,831.20)	13,650

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day

2008 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
6/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05147	0.11883	228,100.00	114,050.00	7,322.31	8,452.60	-	(1,130.29)	15,351	(11)	(2,831.20)	12,520
6/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05329	0.12006	228,100.00	114,050.00	7,581.03	8,540.23	-	(959.20)	14,392	(11)	(2,831.20)	11,560
6/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05462	0.12125	228,100.00	114,050.00	7,771.07	8,624.67	-	(853.61)	13,538	(11)	(2,831.20)	10,707
6/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05596	0.12239	228,100.00	114,050.00	7,961.11	8,705.90	-	(744.79)	12,793	(11)	(2,831.20)	9,962
6/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05730	0.12349	228,100.00	114,050.00	8,151.14	8,783.89	-	(632.74)	12,160	(11)	(2,831.20)	9,329
6/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05863	0.12454	228,100.00	114,050.00	8,341.18	8,858.61	-	(517.43)	11,643	(11)	(2,831.20)	8,812
6/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05997	0.12554	228,100.00	114,050.00	8,531.22	8,930.05	-	(398.83)	11,244	(11)	(2,831.20)	8,413
6/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06130	0.12650	228,100.00	114,050.00	8,721.26	8,998.19	-	(276.93)	10,967	(11)	(2,831.20)	8,136
6/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06264	0.12741	228,100.00	114,050.00	8,911.29	9,062.99	-	(151.70)	10,816	(11)	(2,831.20)	7,984
6/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06397	0.12827	228,100.00	114,050.00	9,101.33	9,124.46	-	(23.13)	10,792	(11)	(2,831.20)	7,961
6/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06531	0.12909	228,100.00	114,050.00	9,291.37	9,182.56	-	108.81	10,901	(11)	(2,831.20)	8,070
6/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06665	0.12986	228,100.00	114,050.00	9,481.41	9,237.28	-	244.13	11,145	(11)	(2,831.20)	8,314
6/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06798	0.13058	228,100.00	114,050.00	9,671.44	9,288.60	-	382.84	11,528	(11)	(2,831.20)	8,697
6/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06932	0.13126	228,100.00	114,050.00	9,861.48	9,336.51	-	524.97	12,053	(11)	(2,831.20)	9,222
7/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07065	0.13188	228,100.00	114,050.00	10,051.52	9,381.00	-	670.52	12,724	(11)	(2,831.20)	9,892
7/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07199	0.13246	228,100.00	114,050.00	10,241.56	9,422.04	-	819.51	13,543	(11)	(2,831.20)	10,712
7/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07333	0.13299	228,100.00	114,050.00	10,431.59	9,459.64	-	971.95	14,515	(11)	(2,831.20)	11,684
7/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07466	0.13347	228,100.00	114,050.00	10,621.63	9,493.77	-	1,127.86	15,643	(11)	(2,831.20)	12,812
7/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07600	0.13390	228,100.00	114,050.00	10,811.67	9,524.43	-	1,287.24	16,930	(11)	(2,831.20)	14,099
7/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07733	0.13428	228,100.00	114,050.00	11,001.71	9,551.61	-	1,450.10	18,380	(11)	(2,831.20)	15,549
7/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07867	0.13461	228,100.00	114,050.00	11,191.74	9,575.30	-	1,616.45	19,997	(11)	(2,831.20)	17,166
7/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08000	0.13490	228,100.00	114,050.00	11,381.78	9,595.49	-	1,786.29	21,783	(11)	(2,831.20)	18,952
7/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08134	0.13513	228,100.00	114,050.00	11,571.82	9,612.18	-	1,959.64	23,743	(11)	(2,831.20)	20,912
7/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08268	0.13532	228,100.00	114,050.00	11,761.86	9,625.36	-	2,136.50	25,879	(11)	(2,831.20)	23,048
7/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08401	0.13545	228,100.00	114,050.00	11,951.90	9,635.02	-	2,316.87	28,196	(11)	(2,831.20)	25,365
7/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08535	0.13554	228,100.00	114,050.00	12,141.93	9,641.18	-	2,500.75	30,697	(11)	(2,831.20)	27,866
7/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08668	0.13558	228,100.00	114,050.00	12,331.97	9,643.82	-	2,688.15	33,385	(11)	(2,831.20)	30,554
7/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08802	0.13556	228,100.00	114,050.00	12,522.01	9,642.94	-	2,879.07	36,264	(11)	(2,831.20)	33,433
7/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08935	0.13550	228,100.00	114,050.00	12,712.05	9,638.54	-	3,073.50	39,338	(11)	(2,831.20)	36,506
7/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09069	0.13539	228,100.00	114,050.00	12,902.08	9,630.63	-	3,271.45	42,609	(11)	(2,831.20)	39,778
7/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09203	0.13523	228,100.00	114,050.00	13,092.12	9,619.20	-	3,472.92	46,082	(11)	(2,831.20)	43,251
7/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09324	0.13502	228,100.00	114,050.00	13,265.41	9,604.27	-	3,661.14	49,743	(11)	(2,831.20)	46,912
7/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09313	0.13476	228,100.00	114,050.00	13,248.66	9,585.83	-	3,662.83	53,406	(11)	(2,831.20)	50,575
7/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09301	0.13445	228,100.00	114,050.00	13,231.90	9,563.89	-	3,668.01	57,074	(11)	(2,831.20)	54,243
7/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09289	0.13409	228,100.00	114,050.00	13,215.15	9,538.46	-	3,676.70	60,751	(11)	(2,831.20)	57,919
7/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09277	0.13369	228,100.00	114,050.00	13,198.40	9,509.54	-	3,688.86	64,440	(11)	(2,831.20)	61,608
7/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09266	0.13323	228,100.00	114,050.00	13,181.65	9,477.14	-	3,704.51	68,144	(11)	(2,831.20)	65,313
7/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09254	0.13273	228,100.00	114,050.00	13,164.90	9,441.27	-	3,723.62	71,868	(11)	(2,831.20)	69,036
7/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09242	0.13218	228,100.00	114,050.00	13,148.15	9,401.95	-	3,746.19	75,614	(11)	(2,831.20)	72,783
7/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09230	0.13157	228,100.00	114,050.00	13,131.39	9,359.19	-	3,772.21	79,386	(11)	(2,831.20)	76,555
7/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09218	0.13092	228,100.00	114,050.00	13,114.64	9,312.99	-	3,801.66	83,188	(11)	(2,831.20)	80,357
7/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09207	0.13023	228,100.00	114,050.00	13,097.89	9,263.37	-	3,834.52	87,022	(11)	(2,831.20)	84,191
7/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09195	0.12948	228,100.00	114,050.00	13,081.14	9,210.34	-	3,870.80	90,893	(11)	(2,831.20)	88,062
7/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09183	0.12869	228,100.00	114,050.00	13,064.39	9,153.93	-	3,910.46	94,803	(11)	(2,831.20)	91,972
7/31/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09171	0.12785	228,100.00	114,050.00	13,047.64	9,094.15	-	3,953.49	98,757	(11)	(2,831.20)	95,926
8/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09160	0.12696	228,100.00	114,050.00	13,030.88	9,031.01	-	3,999.88	102,757	(11)	(2,831.20)	99,926
8/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09148	0.12603	228,100.00	114,050.00	13,014.13	8,964.53		4,049.60	106,806	(11)	(2,831.20)	103,975
8/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09136	0.12504	228,100.00	114,050.00	12,997.38	8,894.74		4,102.64	110,909	(11)	(2,831.20)	108,078
8/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09124	0.12402	228,100.00	114,050.00	12,980.63	8,821.66		4,158.97	115,068	(11)	(2,831.20)	112,237
8/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09112	0.12294	228,100.00	114,050.00	12,963.88	8,745.30		4,218.58	119,287	(11)	(2,831.20)	116,455
8/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09101	0.12182	228,100.00	114,050.00	12,947.13	8,665.69		4,281.44	123,568	(11)	(2,831.20)	120,737
8/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09089	0.12066	228,100.00	114,050.00	12,930.37	8,582.85		4,347.52	127,916	(11)	(2,831.20)	125,084
8/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09077	0.11945	228,100.00	114,050.00	12,913.62	8,496.81		4,416.81	132,332	(11)	(2,831.20)	129,501
8/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09065	0.11820	228,100.00	114,050.00	12,896.87	8,407.60		4,489.27	136,822	(11)	(2,831.20)	133,990
8/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09054	0.11690	228,100.00	114,050.00	12,880.12	8,315.23		4,564.89	141,387	(11)	(2,831.20)	138,555
8/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09042	0.11556	228,100.00	114,050.00	12,863.37	8,219.74		4,643.63	146,030	(11)	(2,831.20)	143,199
8/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09030	0.11417	228,100.00	114,050.00	12,846.62	8,121.15		4,725.47	150,756	(11)	(2,831.20)	147,924
8/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09018	0.11274	228,100.00	114,050.00	12,829.87	8,019.50		4,810.37	155,566	(11)	(2,831.20)	152,735
8/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09007	0.11127	228,100.00	114,050.00	12,813.11	7,914.81		4,898.30	160,464	(11)	(2,831.20)	157,633
8/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08995	0.10975	228,100.00	114,050.00	12,796.36	7,807.12		4,989.24	165,454	(11)	(2,831.20)	162,622
8/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08983	0.10820	228,100.00	114,050.00	12,779.61	7,696.45		5,083.16	170,537	(11)	(2,831.20)	167,706
8/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08971	0.10660	228,100.00	114,050.00	12,762.86	7,582.85		5,180.01	175,717	(11)	(2,831.20)	172,886
8/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08980	0.10496	228,100.00	114,050.00	12,774.77	7,466.33		5,308.44	181,025	(11)	(2,831.20)	178,194
8/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09000	0.10329	228,100.00	114,050.00	12,803.43	7,346.95		5,456.48	186,482	(11)	(2,831.20)	183,650
8/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09020	0.10157	228,100.00	114,050.00	12,832.10	7,224.73		5,607.37	192,089	(11)	(2,831.20)	189,258
8/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09040	0.09981	228,100.00	114,050.00	12,860.76	7,099.71		5,761.05	197,850	(11)	(2,831.20)	195,019
8/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09060	0.09801	228,100.00	114,050.00	12,889.43	6,971.92		5,917.50	203,768	(11)	(2,831.20)	200,936
8/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09080	0.09618	228,100.00	114,050.00	12,918.09	6,841.41		6,076.68	209,844	(11)	(2,831.20)	207,013
8/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09100	0.09431	228,100.00	114,050.00	12,946.75	6,708.22		6,238.54	216,083	(11)	(2,831.20)	213,252
8/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09121	0.09240	228,100.00	114,050.00	12,975.42	6,572.37		6,403.04	222,486	(11)	(2,831.20)	219,655
8/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09141	0.09045	228,100.00	114,050.00	13,004.08	6,433.92		6,570.16	229,056	(11)	(2,831.20)	226,225
8/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09161	0.08847	228,100.00	114,050.00	13,032.75	6,292.91		6,739.84	235,796	(11)	(2,831.20)	232,965
8/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09181	0.08645	228,100.00	114,050.00	13,061.41	6,149.37		6,912.04	242,708	(11)	(2,831.20)	239,877
8/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09201	0.08440	228,100.00	114,050.00	13,090.07	6,003.34		7,086.73	249,795	(11)	(2,831.20)	246,963
8/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09221	0.08231	228,100.00	114,050.00	13,118.74	5,854.88		7,263.85	257,058	(11)	(2,831.20)	254,227
8/31/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09241	0.08019	228,100.00	114,050.00	13,147.40	5,704.03		7,443.37	264,502	(11)	(2,831.20)	261,671
9/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09262	0.07803	228,100.00	114,050.00	13,176.06	5,550.82		7,625.24	272,127	(11)	(2,831.20)	269,296
9/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09282	0.07585	228,100.00	114,050.00	13,204.73	5,395.31		7,809.42	279,936	(11)	(2,831.20)	277,105
9/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09302	0.07363	228,100.00	114,050.00	13,233.39	5,237.55		7,995.85	287,932	(11)	(2,831.20)	285,101
9/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09322	0.07138	228,100.00	114,050.00	13,262.06	5,077.57		8,184.49	296,117	(11)	(2,831.20)	293,286
9/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09342	0.06910	228,100.00	114,050.00	13,290.72	4,915.42		8,375.30	304,492	(11)	(2,831.20)	301,661
9/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09362	0.06679	228,100.00	114,050.00	13,319.38	4,751.17		8,568.22	313,060	(11)	(2,831.20)	310,229

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day

2008 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
9/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09383	0.06445	228,100.00	114,050.00	13,348.05	4,584.84		8,763.21	321,824	(11)	(2,831.20)	318,992
9/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09403	0.06209	228,100.00	114,050.00	13,376.71	4,416.49		8,960.22	330,784	(11)	(2,831.20)	327,953
9/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09423	0.05969	228,100.00	114,050.00	13,405.38	4,246.18		9,159.19	339,943	(11)	(2,831.20)	337,112
9/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09443	0.05727	228,100.00	114,050.00	13,434.04	4,073.95		9,360.09	349,303	(11)	(2,831.20)	346,472
9/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09463	0.05483	228,100.00	114,050.00	13,462.70	3,899.85		9,562.85	358,866	(11)	(2,831.20)	356,035
9/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09483	0.05235	228,100.00	114,050.00	13,491.37	3,723.94		9,767.43	368,633	(11)	(2,831.20)	365,802
9/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09503	0.04985	228,100.00	114,050.00	13,520.03	3,546.27		9,973.76	378,607	(11)	(2,831.20)	375,776
9/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09524	0.04733	228,100.00	114,050.00	13,548.70	3,366.88		10,181.81	388,789	(11)	(2,831.20)	385,958
9/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09544	0.04479	228,100.00	114,050.00	13,577.36	3,185.84		10,391.52	399,180	(11)	(2,831.20)	396,349
9/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09564	0.04222	228,100.00	114,050.00	13,606.02	3,003.19		10,602.83	409,783	(11)	(2,831.20)	406,952
9/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09453	0.03963	228,100.00	114,050.00	13,447.81	2,819.00		10,628.82	420,412	(11)	(2,831.20)	417,581
9/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09341	0.03702	228,100.00	114,050.00	13,289.60	2,633.31		10,656.30	431,068	(11)	(2,831.20)	428,237
9/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09210	0.03439	228,100.00	114,050.00	13,102.73	2,446.18		10,656.55	441,725	(11)	(2,831.20)	438,894
9/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09079	0.03174	228,100.00	114,050.00	12,915.86	2,257.66		10,658.19	452,383	(11)	(2,831.20)	449,552
9/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08947	0.02907	228,100.00	114,050.00	12,728.98	2,067.82		10,661.16	463,044	(11)	(2,831.20)	460,213
9/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08816	0.02638	228,100.00	114,050.00	12,542.11	1,876.71		10,665.40	473,710	(11)	(2,831.20)	470,878
9/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08685	0.02368	228,100.00	114,050.00	12,355.24	1,684.38		10,670.86	484,381	(11)	(2,831.20)	481,549
9/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08553	0.02096	228,100.00	114,050.00	12,168.36	1,490.89		10,677.48	495,058	(11)	(2,831.20)	492,227
9/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08422	0.01822	228,100.00	114,050.00	11,981.49	1,296.30		10,685.19	505,743	(11)	(2,831.20)	502,912
9/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08291	0.01547	228,100.00	114,050.00	11,794.62	1,100.66		10,693.95	516,437	(11)	(2,831.20)	513,606
9/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08159	0.01271	228,100.00	114,050.00	11,607.74	904.04		10,703.70	527,141	(11)	(2,831.20)	524,310
9/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08028	0.00993	228,100.00	114,050.00	11,420.87	706.50		10,714.37	537,855	(11)	(2,831.20)	535,024
9/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07897	0.00714	228,100.00	114,050.00	11,234.00	508.08		10,725.92	548,581	(11)	(2,831.20)	545,750
9/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07765	0.00434	228,100.00	114,050.00	11,047.12	308.85		10,738.27	559,319	(11)	(2,831.20)	556,488
10/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07634	0.00153	228,100.00	114,050.00	10,860.25	108.88		10,751.37	570,071	(11)	(2,831.20)	567,240
10/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07502	0.00000	228,100.00	114,050.00	10,673.38	-		10,673.38	580,744	(11)	(2,831.20)	577,913
10/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07371	0.00000	228,100.00	114,050.00	10,486.50	-		10,486.50	591,231	(11)	(2,831.20)	588,399
10/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07240	0.00000	228,100.00	114,050.00	10,299.63	-		10,299.63	601,530	(11)	(2,831.20)	598,699
10/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07108	0.00000	228,100.00	114,050.00	10,112.76	-		10,112.76	611,643	(11)	(2,831.20)	608,812
10/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06977	0.00000	228,100.00	114,050.00	9,925.88	-		9,925.88	621,569	(11)	(2,831.20)	618,738
10/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06846	0.00000	228,100.00	114,050.00	9,739.01	-		9,739.01	631,308	(11)	(2,831.20)	628,477
10/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06714	0.00000	228,100.00	114,050.00	9,552.14	-		9,552.14	640,860	(11)	(2,831.20)	638,029
10/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06583	0.00000	228,100.00	114,050.00	9,365.26	-		9,365.26	650,225	(11)	(2,831.20)	647,394
10/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06452	0.00000	228,100.00	114,050.00	9,178.39	-		9,178.39	659,404	(11)	(2,831.20)	656,573
10/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06320	0.00000	228,100.00	114,050.00	8,991.51	-		8,991.51	668,395	(11)	(2,831.20)	665,564
10/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06189	0.00000	228,100.00	114,050.00	8,804.64	-		8,804.64	677,200	(11)	(2,831.20)	674,369
10/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06058	0.00000	228,100.00	114,050.00	8,617.77	-		8,617.77	685,818	(11)	(2,831.20)	682,986
10/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05926	0.00000	228,100.00	114,050.00	8,430.89	-		8,430.89	694,249	(11)	(2,831.20)	691,417
10/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05795	0.00000	228,100.00	114,050.00	8,244.02	-		8,244.02	702,493	(11)	(2,831.20)	699,661
10/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05663	0.00000	228,100.00	114,050.00	8,057.15	-		8,057.15	710,550	(11)	(2,831.20)	707,719
10/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05532	0.00000	228,100.00	114,050.00	7,870.27	-		7,870.27	718,420	(11)	(2,831.20)	715,589
10/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05397	0.00000	228,100.00	114,050.00	7,677.94	-		7,677.94	726,098	(11)	(2,831.20)	723,267
10/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05393	0.00000	228,100.00	114,050.00	7,672.48	-		7,672.48	733,770	(11)	(2,831.20)	730,939
10/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05389	0.00000	228,100.00	114,050.00	7,667.02	-		7,667.02	741,437	(11)	(2,831.20)	738,606
10/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05385	0.00000	228,100.00	114,050.00	7,661.56	-		7,661.56	749,099	(11)	(2,831.20)	746,268
10/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05382	0.00000	228,100.00	114,050.00	7,656.10	-		7,656.10	756,755	(11)	(2,831.20)	753,924
10/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05378	0.00000	228,100.00	114,050.00	7,650.64	-		7,650.64	764,406	(11)	(2,831.20)	761,575
10/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05374	0.00000	228,100.00	114,050.00	7,645.18	-		7,645.18	772,051	(11)	(2,831.20)	769,220
10/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05370	0.00000	228,100.00	114,050.00	7,639.72	-		7,639.72	779,691	(11)	(2,831.20)	776,859
10/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05366	0.00000	228,100.00	114,050.00	7,634.26	-		7,634.26	787,325	(11)	(2,831.20)	784,494
10/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05362	0.00000	228,100.00	114,050.00	7,628.80	-		7,628.80	794,954	(11)	(2,831.20)	792,123
10/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05359	0.00000	228,100.00	114,050.00	7,623.34	-		7,623.34	802,577	(11)	(2,831.20)	799,746
10/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05355	0.00000	228,100.00	114,050.00	7,617.88	-		7,617.88	810,195	(11)	(2,831.20)	807,364
10/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05351	0.00000	228,100.00	114,050.00	7,612.42	-		7,612.42	817,807	(11)	(2,831.20)	814,976
10/31/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05347	0.00000	228,100.00	114,050.00	7,606.96	-		7,606.96	825,414	(11)	(2,831.20)	822,583
11/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05343	0.00000	228,100.00	114,050.00	7,601.50	-		7,601.50	833,016	(11)	(2,831.20)	830,185
11/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05339	0.00000	228,100.00	114,050.00	7,596.04	-		7,596.04	840,612	(11)	(2,831.20)	837,781
11/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05336	0.00000	228,100.00	114,050.00	7,590.58	-		7,590.58	848,202	(11)	(2,831.20)	845,371
11/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05332	0.00000	228,100.00	114,050.00	7,585.12	-		7,585.12	855,788	(11)	(2,831.20)	852,956
11/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05328	0.00000	228,100.00	114,050.00	7,579.67	-		7,579.67	863,367	(11)	(2,831.20)	860,536
11/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05324	0.00000	228,100.00	114,050.00	7,574.21	-		7,574.21	870,941	(11)	(2,831.20)	868,110
11/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05320	0.00000	228,100.00	114,050.00	7,568.75	-		7,568.75	878,510	(11)	(2,831.20)	875,679
11/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,563.29	-		7,563.29	886,073	(11)	(2,831.20)	883,242
11/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.83	-		7,557.83	893,631	(11)	(2,831.20)	890,800
11/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05309	0.00000	228,100.00	114,050.00	7,552.37	-		7,552.37	901,184	(11)	(2,831.20)	898,352
11/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-		7,546.91	908,731	(11)	(2,831.20)	905,899
11/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.45	-		7,541.45	916,272	(11)	(2,831.20)	913,441
11/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,535.99	-		7,535.99	923,808	(11)	(2,831.20)	920,977
11/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,530.53	-		7,530.53	931,339	(11)	(2,831.20)	928,507
11/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,525.07	-		7,525.07	938,864	(11)	(2,831.20)	936,032
11/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05286	0.00000	228,100.00	114,050.00	7,519.61	-		7,519.61	946,383	(11)	(2,831.20)	943,552
11/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.89	-		7,515.89	953,899	(11)	(2,831.20)	951,068
11/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05280	0.00000	228,100.00	114,050.00	7,512.16	-		7,512.16	961,411	(11)	(2,831.20)	958,580
11/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05282	0.00000	228,100.00	114,050.00	7,513.90	-		7,513.90	968,925	(11)	(2,831.20)	966,094
11/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.64	-		7,515.64	976,441	(11)	(2,831.20)	973,610
11/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05284	0.00000	228,100.00	114,050.00	7,517.37	-		7,517.37	983,958	(11)	(2,831.20)	981,127
11/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05285	0.00000	228,100.00	114,050.00	7,519.11	-		7,519.11	991,477	(11)	(2,831.20)	988,646
11/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05287	0.00000	228,100.00	114,050.00	7,520.85	-		7,520.85	998,998	(11)	(2,831.20)	996,167
11/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05288	0.00000	228,100.00	114,050.00	7,522.59	-		7,522.59	1,006,521	(11)	(2,831.20)	1,003,690
11/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,524.32	-		7,524.32	1,014,045	(11)	(2,831.20)	1,011,214
11/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05290	0.00000	228,100.00	114,050.00	7,526.06	-		7,526.06	1,021,571	(11)	(2,831.20)	1,018,740
11/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05291	0.00000	228,100.00	114,050.00	7,527.80	-		7,527.80	1,029,099	(11)	(2,831.20)	1,026,268

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day

2008 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
11/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,529.53	-		7,529.53	1,036,628	(11)	(2,831.20)	1,033,797
11/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05294	0.00000	228,100.00	114,050.00	7,531.27	-		7,531.27	1,044,160	(11)	(2,831.20)	1,041,329
11/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05295	0.00000	228,100.00	114,050.00	7,533.01	-		7,533.01	1,051,693	(11)	(2,831.20)	1,048,862
12/1/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05296	0.00000	228,100.00	114,050.00	7,534.75	-		7,534.75	1,059,227	(11)	(2,831.20)	1,056,396
12/2/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,536.48	-		7,536.48	1,066,764	(11)	(2,831.20)	1,063,933
12/3/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05299	0.00000	228,100.00	114,050.00	7,538.22	-		7,538.22	1,074,302	(11)	(2,831.20)	1,071,471
12/4/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05300	0.00000	228,100.00	114,050.00	7,539.96	-		7,539.96	1,081,842	(11)	(2,831.20)	1,079,011
12/5/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.69	-		7,541.69	1,089,384	(11)	(2,831.20)	1,086,553
12/6/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05302	0.00000	228,100.00	114,050.00	7,543.43	-		7,543.43	1,096,927	(11)	(2,831.20)	1,094,096
12/7/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05304	0.00000	228,100.00	114,050.00	7,545.17	-		7,545.17	1,104,472	(11)	(2,831.20)	1,101,641
12/8/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-		7,546.91	1,112,019	(11)	(2,831.20)	1,109,188
12/9/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05306	0.00000	228,100.00	114,050.00	7,548.64	-		7,548.64	1,119,568	(11)	(2,831.20)	1,116,737
12/10/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05307	0.00000	228,100.00	114,050.00	7,550.38	-		7,550.38	1,127,118	(11)	(2,831.20)	1,124,287
12/11/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05308	0.00000	228,100.00	114,050.00	7,552.12	-		7,552.12	1,134,670	(11)	(2,831.20)	1,131,839
12/12/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05310	0.00000	228,100.00	114,050.00	7,553.86	-		7,553.86	1,142,224	(11)	(2,831.20)	1,139,393
12/13/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05311	0.00000	228,100.00	114,050.00	7,555.59	-		7,555.59	1,149,780	(11)	(2,831.20)	1,146,949
12/14/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.33	-		7,557.33	1,157,337	(11)	(2,831.20)	1,154,506
12/15/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05313	0.00000	228,100.00	114,050.00	7,559.07	-		7,559.07	1,164,896	(11)	(2,831.20)	1,162,065
12/16/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05315	0.00000	228,100.00	114,050.00	7,560.80	-		7,560.80	1,172,457	(11)	(2,831.20)	1,169,626
12/17/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,562.54	-		7,562.54	1,180,020	(11)	(2,831.20)	1,177,188
12/18/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05262	0.00000	228,100.00	114,050.00	7,486.10	-		7,486.10	1,187,506	(11)	(2,831.20)	1,184,675
12/19/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05207	0.00000	228,100.00	114,050.00	7,407.93	-		7,407.93	1,194,914	(11)	(2,831.20)	1,192,083
12/20/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05152	0.00000	228,100.00	114,050.00	7,329.76	-		7,329.76	1,202,243	(11)	(2,831.20)	1,199,412
12/21/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05097	0.00000	228,100.00	114,050.00	7,251.58	-		7,251.58	1,209,495	(11)	(2,831.20)	1,206,664
12/22/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05042	0.00000	228,100.00	114,050.00	7,173.41	-		7,173.41	1,216,668	(11)	(2,831.20)	1,213,837
12/23/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04987	0.00000	228,100.00	114,050.00	7,095.23	-		7,095.23	1,223,764	(11)	(2,831.20)	1,220,932
12/24/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04932	0.00000	228,100.00	114,050.00	7,017.06	-		7,017.06	1,230,781	(11)	(2,831.20)	1,227,950
12/25/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04877	0.00000	228,100.00	114,050.00	6,938.89	-		6,938.89	1,237,720	(11)	(2,831.20)	1,234,888
12/26/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04822	0.00000	228,100.00	114,050.00	6,860.71	-		6,860.71	1,244,580	(11)	(2,831.20)	1,241,749
12/27/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04768	0.00000	228,100.00	114,050.00	6,782.54	-		6,782.54	1,251,363	(11)	(2,831.20)	1,248,532
12/28/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04713	0.00000	228,100.00	114,050.00	6,704.36	-		6,704.36	1,258,067	(11)	(2,831.20)	1,255,236
12/29/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04658	0.00000	228,100.00	114,050.00	6,626.19	-		6,626.19	1,264,693	(11)	(2,831.20)	1,261,862
12/30/2008	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04603	0.00000	228,100.00	114,050.00	6,548.01	-		6,548.01	1,271,241	(11)	(2,831.20)	1,268,410
			1704.84		88.25		3235.71						742026.20	124367.78		-786341.58				
			1727.42		89.42		3278.57						1657482.97	872812.06	1404000.00	784670.91				
			688.71		35.65		1307.14						453434.08	0.00		453434.08				

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2009 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
																	1,268,410			
1/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05485	0.00000	228,100.00	114,050.00	7,803.01	-	-	7,803.01	1,276,213	(11)	(2,831.20)	1,273,382
1/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04518	0.00000	228,100.00	114,050.00	6,427.20	-	-	6,427.20	1,282,640	(11)	(2,831.20)	1,279,809
1/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04464	0.00000	228,100.00	114,050.00	6,351.39	-	-	6,351.39	1,288,992	(11)	(2,831.20)	1,286,161
1/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04411	0.00000	228,100.00	114,050.00	6,275.59	-	-	6,275.59	1,295,267	(11)	(2,831.20)	1,292,436
1/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04358	0.00000	228,100.00	114,050.00	6,199.78	-	-	6,199.78	1,301,467	(11)	(2,831.20)	1,298,636
1/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04305	0.00000	228,100.00	114,050.00	6,123.98	-	-	6,123.98	1,307,591	(11)	(2,831.20)	1,304,760
1/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04251	0.00000	228,100.00	114,050.00	6,048.17	-	-	6,048.17	1,313,639	(11)	(2,831.20)	1,310,808
1/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04198	0.00000	228,100.00	114,050.00	5,972.37	-	-	5,972.37	1,319,612	(11)	(2,831.20)	1,316,781
1/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04145	0.00000	228,100.00	114,050.00	5,896.56	-	-	5,896.56	1,325,508	(11)	(2,831.20)	1,322,677
1/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04091	0.00000	228,100.00	114,050.00	5,820.76	-	-	5,820.76	1,331,329	(11)	(2,831.20)	1,328,498
1/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04038	0.00000	228,100.00	114,050.00	5,744.95	-	-	5,744.95	1,337,074	(11)	(2,831.20)	1,334,243
1/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.00000	228,100.00	114,050.00	5,669.15	-	-	5,669.15	1,342,743	(11)	(2,831.20)	1,339,912
1/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03932	0.00000	228,100.00	114,050.00	5,593.34	-	-	5,593.34	1,348,337	(11)	(2,831.20)	1,345,505
1/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03878	0.00000	228,100.00	114,050.00	5,517.54	-	-	5,517.54	1,353,854	(11)	(2,831.20)	1,351,023
1/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03825	0.00000	228,100.00	114,050.00	5,441.73	-	-	5,441.73	1,359,296	(11)	(2,831.20)	1,356,465
1/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03772	0.00000	228,100.00	114,050.00	5,365.93	-	-	5,365.93	1,364,662	(11)	(2,831.20)	1,361,831
1/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03718	0.00000	228,100.00	114,050.00	5,290.12	-	-	5,290.12	1,369,952	(11)	(2,831.20)	1,367,121
1/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03665	0.00000	228,100.00	114,050.00	5,214.32	-	-	5,214.32	1,375,166	(11)	(2,831.20)	1,372,335
1/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03552	0.00000	228,100.00	114,050.00	5,052.87	-	-	5,052.87	1,380,219	(11)	(2,831.20)	1,377,388
1/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03545	0.00000	228,100.00	114,050.00	5,043.03	-	-	5,043.03	1,385,262	(11)	(2,831.20)	1,382,431
1/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03538	0.00000	228,100.00	114,050.00	5,033.19	-	-	5,033.19	1,390,295	(11)	(2,831.20)	1,387,464
1/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03531	0.00000	228,100.00	114,050.00	5,023.35	-	-	5,023.35	1,395,319	(11)	(2,831.20)	1,392,487
1/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03524	0.00000	228,100.00	114,050.00	5,013.51	-	-	5,013.51	1,400,332	(11)	(2,831.20)	1,397,501
1/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03517	0.00000	228,100.00	114,050.00	5,003.68	-	-	5,003.68	1,405,336	(11)	(2,831.20)	1,402,505
1/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03510	0.00000	228,100.00	114,050.00	4,993.84	-	-	4,993.84	1,410,330	(11)	(2,831.20)	1,407,498
1/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03503	0.00000	228,100.00	114,050.00	4,984.00	-	-	4,984.00	1,415,314	(11)	(2,831.20)	1,412,482
1/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03496	0.00000	228,100.00	114,050.00	4,974.16	-	-	4,974.16	1,420,288	(11)	(2,831.20)	1,417,457
1/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03489	0.00000	228,100.00	114,050.00	4,964.32	-	-	4,964.32	1,425,252	(11)	(2,831.20)	1,422,421
1/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03483	0.00000	228,100.00	114,050.00	4,954.49	-	-	4,954.49	1,430,207	(11)	(2,831.20)	1,427,375
1/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03476	0.00000	228,100.00	114,050.00	4,944.65	-	-	4,944.65	1,435,151	(11)	(2,831.20)	1,432,320
1/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03469	0.00000	228,100.00	114,050.00	4,934.81	-	-	4,934.81	1,440,086	(11)	(2,831.20)	1,437,255
2/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03462	0.00000	228,100.00	114,050.00	4,924.97	-	-	4,924.97	1,445,011	(11)	(2,831.20)	1,442,180
2/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03455	0.00000	228,100.00	114,050.00	4,915.13	-	-	4,915.13	1,449,926	(11)	(2,831.20)	1,447,095
2/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03448	0.00000	228,100.00	114,050.00	4,905.29	-	-	4,905.29	1,454,831	(11)	(2,831.20)	1,452,000
2/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03441	0.00000	228,100.00	114,050.00	4,895.46	-	-	4,895.46	1,459,727	(11)	(2,831.20)	1,456,896
2/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03434	0.00000	228,100.00	114,050.00	4,885.62	-	-	4,885.62	1,464,613	(11)	(2,831.20)	1,461,781
2/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03427	0.00000	228,100.00	114,050.00	4,875.78	-	-	4,875.78	1,469,488	(11)	(2,831.20)	1,466,657
2/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03420	0.00000	228,100.00	114,050.00	4,865.94	-	-	4,865.94	1,474,354	(11)	(2,831.20)	1,471,523
2/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03413	0.00000	228,100.00	114,050.00	4,856.10	-	-	4,856.10	1,479,210	(11)	(2,831.20)	1,476,379
2/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03407	0.00000	228,100.00	114,050.00	4,846.26	-	-	4,846.26	1,484,057	(11)	(2,831.20)	1,481,225
2/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03400	0.00000	228,100.00	114,050.00	4,836.43	-	-	4,836.43	1,488,893	(11)	(2,831.20)	1,486,062
2/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03393	0.00000	228,100.00	114,050.00	4,826.59	-	-	4,826.59	1,493,720	(11)	(2,831.20)	1,490,888
2/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03386	0.00000	228,100.00	114,050.00	4,816.75	-	-	4,816.75	1,498,536	(11)	(2,831.20)	1,495,705
2/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,806.91	-	-	4,806.91	1,503,343	(11)	(2,831.20)	1,500,512
2/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,797.07	-	-	4,797.07	1,508,140	(11)	(2,831.20)	1,505,309
2/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03365	0.00000	228,100.00	114,050.00	4,787.24	-	-	4,787.24	1,512,928	(11)	(2,831.20)	1,510,096
2/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,807.71	-	-	4,807.71	1,517,735	(11)	(2,831.20)	1,514,904
2/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03394	0.00000	228,100.00	114,050.00	4,828.18	-	-	4,828.18	1,522,563	(11)	(2,831.20)	1,519,732
2/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03408	0.00000	228,100.00	114,050.00	4,848.66	-	-	4,848.66	1,527,412	(11)	(2,831.20)	1,524,581
2/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03423	0.00000	228,100.00	114,050.00	4,869.13	-	-	4,869.13	1,532,281	(11)	(2,831.20)	1,529,450
2/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03444	0.00000	228,100.00	114,050.00	4,899.44	-	-	4,899.44	1,537,181	(11)	(2,831.20)	1,534,350
2/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03465	0.00000	228,100.00	114,050.00	4,929.76	-	-	4,929.76	1,542,110	(11)	(2,831.20)	1,539,279
2/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03486	0.00000	228,100.00	114,050.00	4,960.07	-	-	4,960.07	1,547,071	(11)	(2,831.20)	1,544,239
2/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03508	0.00000	228,100.00	114,050.00	4,990.38	-	-	4,990.38	1,552,061	(11)	(2,831.20)	1,549,230
2/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03529	0.00000	228,100.00	114,050.00	5,020.69	-	-	5,020.69	1,557,082	(11)	(2,831.20)	1,554,250
2/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03550	0.00000	228,100.00	114,050.00	5,051.01	-	-	5,051.01	1,562,133	(11)	(2,831.20)	1,559,301
2/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03572	0.00000	228,100.00	114,050.00	5,081.32	-	-	5,081.32	1,567,214	(11)	(2,831.20)	1,564,383
2/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03593	0.00000	228,100.00	114,050.00	5,111.63	-	-	5,111.63	1,572,326	(11)	(2,831.20)	1,569,494
2/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03614	0.00000	228,100.00	114,050.00	5,141.94	-	-	5,141.94	1,577,468	(11)	(2,831.20)	1,574,636
3/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03636	0.00000	228,100.00	114,050.00	5,172.26	-	-	5,172.26	1,582,640	(11)	(2,831.20)	1,579,809
3/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.00000	228,100.00	114,050.00	5,202.57	-	-	5,202.57	1,587,842	(11)	(2,831.20)	1,585,011
3/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03678	0.00000	228,100.00	114,050.00	5,232.88	-	-	5,232.88	1,593,075	(11)	(2,831.20)	1,590,244
3/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03700	0.00000	228,100.00	114,050.00	5,263.19	-	-	5,263.19	1,598,338	(11)	(2,831.20)	1,595,507
3/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03721	0.00000	228,100.00	114,050.00	5,293.51	-	-	5,293.51	1,603,632	(11)	(2,831.20)	1,600,801
3/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03742	0.00000	228,100.00	114,050.00	5,323.82	-	-	5,323.82	1,608,956	(11)	(2,831.20)	1,606,125
3/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03763	0.00000	228,100.00	114,050.00	5,354.13	-	-	5,354.13	1,614,310	(11)	(2,831.20)	1,611,479
3/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03785	0.00000	228,100.00	114,050.00	5,384.44	-	-	5,384.44	1,619,694	(11)	(2,831.20)	1,616,863
3/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03806	0.00000	228,100.00	114,050.00	5,414.76	-	-	5,414.76	1,625,109	(11)	(2,831.20)	1,622,278
3/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03827	0.00000	228,100.00	114,050.00	5,445.07	-	-	5,445.07	1,630,554	(11)	(2,831.20)	1,627,723
3/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03849	0.00000	228,100.00	114,050.00	5,475.38	-	-	5,475.38	1,636,030	(11)	(2,831.20)	1,633,198
3/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03870	0.00000	228,100.00	114,050.00	5,505.69	-	-	5,505.69	1,641,535	(11)	(2,831.20)	1,638,704
3/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.00000	228,100.00	114,050.00	5,536.01	-	-	5,536.01	1,647,071	(11)	(2,831.20)	1,644,240
3/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03913	0.00000	228,100.00	114,050.00	5,566.32	-	-	5,566.32	1,652,638	(11)	(2,831.20)	1,649,806
3/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03934	0.00000	228,100.00	114,050.00	5,596.63	-	-	5,596.63	1,658,234	(11)	(2,831.20)	1,655,403
3/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03955	0.00000	228,100.00	114,050.00	5,626.94	-	-	5,626.94	1,663,861	(11)	(2,831.20)	1,661,030
3/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03977	0.00000	228,100.00	114,050.00	5,657.26	-	-	5,657.26	1,669,518	(11)	(2,831.20)	1,666,687
3/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03998	0.00000	228,100.00	114,050.00	5,687.57	-	-	5,687.57	1,675,206	(11)	(2,831.20)	1,672,375
3/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03965	0.00000	228,100.00	114,050.00	5,641.13	-	-	5,641.13	1,680,847	(11)	(2,831.20)	1,678,016
3/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03911	0.00000	228,100.00	114,050.00	5,564.39	-	-	5,564.39	1,686,411	(11)	(2,831.20)	1,683,580
3/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03857	0.00000	228,100.00	114,050.00	5,487.64	-	-	5,487.64	1,691,899	(11)	(2,831.20)	1,689,068
3/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03803	0.00000	228,100.00	114,050.00	5,410.89	-	-	5,410.89	1,697,310	(11)	(2,831.20)	1,694,479
3/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03749	0.00000	228,100.00	114,050.00	5,334.14	-	-	5,334.14	1,702,644	(11)	(2,831.20)	1,699,813
3/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03695	0.00000	228,100.00	114,050.00	5,257.40	-	-	5,257.40	1,707,902	(11)	(2,831.20)	1,705,070
3/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03642	0.00000	228,100.00	114,050.00	5,180.65	-	-	5,180.65	1,713,082	(11)	(2,831.20)	1,710,251
3/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03588	0.00000	228,100.00	114,050.00	5,103.90	-	-	5,103.90	1,718,186	(11)	(2,831.20)	1,715,355
3/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03534	0.00000	228,100.00	114,050.00	5,027.16	-	-	5,027.16	1,723,213	(11)	(2,831.20)	1,720,382

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2009 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
3/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03480	0.00000	228,100.00	114,050.00	4,950.41	-	-	4,950.41	1,728,164	(11)	(2,831.20)	1,725,332
3/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03426	0.00000	228,100.00	114,050.00	4,873.66	-	-	4,873.66	1,733,037	(11)	(2,831.20)	1,730,206
3/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,796.91	-	-	4,796.91	1,737,834	(11)	(2,831.20)	1,735,003
3/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03318	0.00000	228,100.00	114,050.00	4,720.17	-	-	4,720.17	1,742,554	(11)	(2,831.20)	1,739,723
4/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03264	0.00000	228,100.00	114,050.00	4,643.42	-	-	4,643.42	1,747,198	(11)	(2,831.20)	1,744,367
4/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03210	0.00000	228,100.00	114,050.00	4,566.67	-	-	4,566.67	1,751,764	(11)	(2,831.20)	1,748,933
4/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03156	0.00000	228,100.00	114,050.00	4,489.93	-	-	4,489.93	1,756,254	(11)	(2,831.20)	1,753,423
4/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03102	0.00000	228,100.00	114,050.00	4,413.18	-	-	4,413.18	1,760,668	(11)	(2,831.20)	1,757,836
4/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03048	0.00000	228,100.00	114,050.00	4,336.43	-	-	4,336.43	1,765,004	(11)	(2,831.20)	1,762,173
4/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02994	0.00000	228,100.00	114,050.00	4,259.68	-	-	4,259.68	1,769,264	(11)	(2,831.20)	1,766,432
4/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02940	0.00000	228,100.00	114,050.00	4,182.94	-	-	4,182.94	1,773,447	(11)	(2,831.20)	1,770,615
4/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.00000	228,100.00	114,050.00	4,106.19	-	-	4,106.19	1,777,553	(11)	(2,831.20)	1,774,722
4/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02832	0.00000	228,100.00	114,050.00	4,029.44	-	-	4,029.44	1,781,582	(11)	(2,831.20)	1,778,751
4/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02778	0.00000	228,100.00	114,050.00	3,952.70	-	-	3,952.70	1,785,535	(11)	(2,831.20)	1,782,704
4/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02724	0.00000	228,100.00	114,050.00	3,875.95	-	-	3,875.95	1,789,411	(11)	(2,831.20)	1,786,580
4/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02671	0.00000	228,100.00	114,050.00	3,799.20	-	-	3,799.20	1,793,210	(11)	(2,831.20)	1,790,379
4/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02617	0.00000	228,100.00	114,050.00	3,722.45	-	-	3,722.45	1,796,933	(11)	(2,831.20)	1,794,101
4/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02563	0.00000	228,100.00	114,050.00	3,645.71	-	-	3,645.71	1,800,578	(11)	(2,831.20)	1,797,747
4/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02509	0.00000	228,100.00	114,050.00	3,568.96	-	-	3,568.96	1,804,147	(11)	(2,831.20)	1,801,316
4/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02455	0.00000	228,100.00	114,050.00	3,492.21	-	-	3,492.21	1,807,639	(11)	(2,831.20)	1,804,808
4/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02401	0.00000	228,100.00	114,050.00	3,415.47	-	-	3,415.47	1,811,055	(11)	(2,831.20)	1,808,224
4/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02385	0.00000	228,100.00	114,050.00	3,393.13	-	-	3,393.13	1,814,448	(11)	(2,831.20)	1,811,617
4/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02369	0.00000	228,100.00	114,050.00	3,370.79	-	-	3,370.79	1,817,819	(11)	(2,831.20)	1,814,988
4/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02408	0.00000	228,100.00	114,050.00	3,425.21	-	-	3,425.21	1,821,244	(11)	(2,831.20)	1,818,413
4/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02446	0.00000	228,100.00	114,050.00	3,479.62	-	-	3,479.62	1,824,724	(11)	(2,831.20)	1,821,892
4/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02484	0.00000	228,100.00	114,050.00	3,534.03	-	-	3,534.03	1,828,258	(11)	(2,831.20)	1,825,426
4/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02522	0.00000	228,100.00	114,050.00	3,588.44	-	-	3,588.44	1,831,846	(11)	(2,831.20)	1,829,015
4/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02561	0.00000	228,100.00	114,050.00	3,642.85	-	-	3,642.85	1,835,489	(11)	(2,831.20)	1,832,658
4/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02599	0.00012	228,100.00	114,050.00	3,697.26	8.63	-	3,688.64	1,839,178	(11)	(2,831.20)	1,836,346
4/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02637	0.00294	228,100.00	114,050.00	3,751.68	208.96	-	3,542.72	1,842,720	(11)	(2,831.20)	1,839,889
4/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02675	0.00574	228,100.00	114,050.00	3,806.09	408.56	-	3,397.52	1,846,118	(11)	(2,831.20)	1,843,287
4/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02714	0.00854	228,100.00	114,050.00	3,860.50	607.39	-	3,253.11	1,849,371	(11)	(2,831.20)	1,846,540
4/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02752	0.01132	228,100.00	114,050.00	3,914.91	805.38	-	3,109.53	1,852,481	(11)	(2,831.20)	1,849,649
4/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02790	0.01409	228,100.00	114,050.00	3,969.32	1,002.47	-	2,966.85	1,855,447	(11)	(2,831.20)	1,852,616
5/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02828	0.01685	228,100.00	114,050.00	4,023.73	1,198.61	-	2,825.13	1,858,272	(11)	(2,831.20)	1,855,441
5/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.01959	228,100.00	114,050.00	4,106.18	1,393.73	-	2,712.45	1,860,985	(11)	(2,831.20)	1,858,154
5/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02923	0.02232	228,100.00	114,050.00	4,158.94	1,587.77	-	2,571.17	1,863,556	(11)	(2,831.20)	1,860,725
5/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02960	0.02503	228,100.00	114,050.00	4,211.70	1,780.69	-	2,431.01	1,865,987	(11)	(2,831.20)	1,863,156
5/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02998	0.02773	228,100.00	114,050.00	4,264.47	1,972.42	-	2,292.05	1,868,279	(11)	(2,831.20)	1,865,448
5/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03035	0.03041	228,100.00	114,050.00	4,317.23	2,162.90	-	2,154.32	1,870,433	(11)	(2,831.20)	1,867,602
5/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03072	0.03307	228,100.00	114,050.00	4,369.99	2,352.09	-	2,017.90	1,872,451	(11)	(2,831.20)	1,869,620
5/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03109	0.03571	228,100.00	114,050.00	4,422.75	2,539.92	-	1,882.83	1,874,334	(11)	(2,831.20)	1,871,503
5/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03146	0.03833	228,100.00	114,050.00	4,475.52	2,726.34	-	1,749.18	1,876,083	(11)	(2,831.20)	1,873,252
5/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03183	0.04093	228,100.00	114,050.00	4,528.28	2,911.29	-	1,616.99	1,877,700	(11)	(2,831.20)	1,874,869
5/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03220	0.04351	228,100.00	114,050.00	4,581.04	3,094.71	-	1,486.33	1,879,187	(11)	(2,831.20)	1,876,356
5/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03257	0.04606	228,100.00	114,050.00	4,633.80	3,276.56	-	1,357.24	1,880,544	(11)	(2,831.20)	1,877,713
5/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03294	0.04860	228,100.00	114,050.00	4,686.57	3,456.79	-	1,229.78	1,881,774	(11)	(2,831.20)	1,878,943
5/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03331	0.05111	228,100.00	114,050.00	4,739.33	3,635.32	-	1,104.01	1,882,878	(11)	(2,831.20)	1,880,047
5/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03368	0.05359	228,100.00	114,050.00	4,792.09	3,812.12	-	979.97	1,883,858	(11)	(2,831.20)	1,881,027
5/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05605	228,100.00	114,050.00	4,844.86	3,987.13	-	857.72	1,884,715	(11)	(2,831.20)	1,881,884
5/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05849	228,100.00	114,050.00	4,844.86	4,160.30	-	684.55	1,885,400	(11)	(2,831.20)	1,882,569
5/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03443	0.06089	228,100.00	114,050.00	4,897.62	4,331.58	-	566.04	1,885,966	(11)	(2,831.20)	1,883,135
5/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03527	0.06328	228,100.00	114,050.00	5,016.98	4,500.92	-	516.07	1,886,482	(11)	(2,831.20)	1,883,651
5/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03610	0.06563	228,100.00	114,050.00	5,136.35	4,668.26	-	468.09	1,886,950	(11)	(2,831.20)	1,884,119
5/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.06795	228,100.00	114,050.00	5,202.95	4,833.56	-	369.39	1,887,320	(11)	(2,831.20)	1,884,488
5/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03704	0.07025	228,100.00	114,050.00	5,269.55	4,996.76	-	272.78	1,887,592	(11)	(2,831.20)	1,884,761
5/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03751	0.07251	228,100.00	114,050.00	5,336.15	5,157.83	-	178.32	1,887,771	(11)	(2,831.20)	1,884,939
5/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03798	0.07474	228,100.00	114,050.00	5,402.75	5,316.71	-	86.04	1,887,857	(11)	(2,831.20)	1,885,026
5/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03844	0.07695	228,100.00	114,050.00	5,469.35	5,473.35	-	(4.01)	1,887,853	(11)	(2,831.20)	1,885,022
5/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.07912	228,100.00	114,050.00	5,535.95	5,627.72	-	(91.77)	1,887,761	(11)	(2,831.20)	1,884,930
5/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03938	0.08125	228,100.00	114,050.00	5,602.55	5,779.75	-	(177.20)	1,887,584	(11)	(2,831.20)	1,884,753
5/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.08336	228,100.00	114,050.00	5,669.15	5,929.42	-	(260.27)	1,887,323	(11)	(2,831.20)	1,884,492
5/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04032	0.08543	228,100.00	114,050.00	5,735.75	6,076.66	-	(340.91)	1,886,983	(11)	(2,831.20)	1,884,151
5/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04079	0.08746	228,100.00	114,050.00	5,802.35	6,221.45	-	(419.10)	1,886,563	(11)	(2,831.20)	1,883,732
5/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04125	0.08946	228,100.00	114,050.00	5,868.95	6,363.73	-	(494.79)	1,886,069	(11)	(2,831.20)	1,883,237
6/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04172	0.09143	228,100.00	114,050.00	5,935.55	6,503.47	-	(567.92)	1,885,501	(11)	(2,831.20)	1,882,670
6/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04219	0.09336	228,100.00	114,050.00	6,002.15	6,640.63	-	(638.48)	1,884,862	(11)	(2,831.20)	1,882,031
6/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04289	0.09525	228,100.00	114,050.00	6,102.05	6,775.15	-	(673.10)	1,884,189	(11)	(2,831.20)	1,881,358
6/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04337	0.09710	228,100.00	114,050.00	6,170.73	6,907.01	-	(736.28)	1,883,453	(11)	(2,831.20)	1,880,622
6/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04386	0.09892	228,100.00	114,050.00	6,239.41	7,036.16	-	(796.75)	1,882,656	(11)	(2,831.20)	1,879,825
6/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04434	0.10069	228,100.00	114,050.00	6,308.09	7,162.57	-	(854.47)	1,881,802	(11)	(2,831.20)	1,878,970
6/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04482	0.10243	228,100.00	114,050.00	6,376.78	7,286.19	-	(909.42)	1,880,892	(11)	(2,831.20)	1,878,061
6/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04531	0.10413	228,100.00	114,050.00	6,445.46	7,407.00	-	(961.54)	1,879,931	(11)	(2,831.20)	1,877,100
6/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04579	0.10579	228,100.00	114,050.00	6,514.14	7,524.95	-	(1,010.81)	1,878,920	(11)	(2,831.20)	1,876,089
6/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04627	0.10741	228,100.00	114,050.00	6,582.82	7,640.02	-	(1,057.19)	1,877,863	(11)	(2,831.20)	1,875,032
6/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04675	0.10898	228,100.00	114,050.00	6,651.50	7,752.16	-	(1,100.65)	1,876,762	(11)	(2,831.20)	1,873,931
6/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04724	0.11052	228,100.00	114,050.00	6,720.18	7,861.34	-	(1,141.15)	1,875,621	(11)	(2,831.20)	1,872,790
6/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04772	0.11201	228,100.00	114,050.00	6,788.87	7,967.53	-	(1,178.67)	1,874,442	(11)	(2,831.20)	1,871,611
6/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04820	0.11346	228,100.00	114,050.00	6,857.55	8,070.71	-	(1,213.16)	1,873,229	(11)	(2,831.20)	1,870,398
6/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04869	0.11487	228,100.00	114,050.00	6,926.23	8,170.83	-	(1,244.60)	1,871,984	(11)	(2,831.20)	1,869,153
6/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04917	0.11623	228,100.00	114,050.00	6,994.91	8,267.87	-	(1,272.96)	1,870,712	(11)	(2,831.20)	1,867,880
6/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04965	0.11755	228,100.00	114,050.00	7,063.59	8,361.81	-	(1,298.21)	1,869,413	(11)	(2,831.20)	1,866,582

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2009 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
6/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05147	0.11883	228,100.00	114,050.00	7,322.31	8,452.60	-	(1,130.29)	1,868,283	(11)	(2,831.20)	1,865,452
6/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05329	0.12006	228,100.00	114,050.00	7,581.03	8,540.23	-	(959.20)	1,867,324	(11)	(2,831.20)	1,864,493
6/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05462	0.12125	228,100.00	114,050.00	7,771.07	8,624.67	-	(853.61)	1,866,470	(11)	(2,831.20)	1,863,639
6/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05596	0.12239	228,100.00	114,050.00	7,961.11	8,705.90	-	(744.79)	1,865,725	(11)	(2,831.20)	1,862,894
6/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05730	0.12349	228,100.00	114,050.00	8,151.14	8,783.89	-	(632.74)	1,865,093	(11)	(2,831.20)	1,862,261
6/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05863	0.12454	228,100.00	114,050.00	8,341.18	8,858.61	-	(517.43)	1,864,575	(11)	(2,831.20)	1,861,744
6/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05997	0.12554	228,100.00	114,050.00	8,531.22	8,930.05	-	(398.83)	1,864,176	(11)	(2,831.20)	1,861,345
6/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06130	0.12650	228,100.00	114,050.00	8,721.26	8,998.19	-	(276.93)	1,863,899	(11)	(2,831.20)	1,861,068
6/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06264	0.12741	228,100.00	114,050.00	8,911.29	9,062.99	-	(151.70)	1,863,748	(11)	(2,831.20)	1,860,917
6/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06397	0.12827	228,100.00	114,050.00	9,101.33	9,124.46	-	(23.13)	1,863,725	(11)	(2,831.20)	1,860,893
6/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06531	0.12909	228,100.00	114,050.00	9,291.37	9,182.56	-	108.81	1,863,833	(11)	(2,831.20)	1,861,002
6/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06665	0.12986	228,100.00	114,050.00	9,481.41	9,237.28	-	244.13	1,864,078	(11)	(2,831.20)	1,861,246
6/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06798	0.13058	228,100.00	114,050.00	9,671.44	9,288.60	-	382.84	1,864,460	(11)	(2,831.20)	1,861,629
7/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06932	0.13126	228,100.00	114,050.00	9,861.48	9,336.51	-	524.97	1,864,985	(11)	(2,831.20)	1,862,154
7/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07065	0.13188	228,100.00	114,050.00	10,051.52	9,381.00	-	670.52	1,865,656	(11)	(2,831.20)	1,862,825
7/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07199	0.13246	228,100.00	114,050.00	10,241.56	9,422.04	-	819.51	1,866,475	(11)	(2,831.20)	1,863,644
7/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07333	0.13299	228,100.00	114,050.00	10,431.59	9,459.64	-	971.95	1,867,447	(11)	(2,831.20)	1,864,616
7/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07466	0.13347	228,100.00	114,050.00	10,621.63	9,493.77	-	1,127.86	1,868,575	(11)	(2,831.20)	1,865,744
7/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07600	0.13390	228,100.00	114,050.00	10,811.67	9,524.43	-	1,287.24	1,869,862	(11)	(2,831.20)	1,867,031
7/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07733	0.13428	228,100.00	114,050.00	11,001.71	9,551.61	-	1,450.10	1,871,313	(11)	(2,831.20)	1,868,481
7/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07867	0.13461	228,100.00	114,050.00	11,191.74	9,575.30	-	1,616.45	1,872,929	(11)	(2,831.20)	1,870,098
7/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08000	0.13490	228,100.00	114,050.00	11,381.78	9,595.49	-	1,786.29	1,874,715	(11)	(2,831.20)	1,871,884
7/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08134	0.13513	228,100.00	114,050.00	11,571.82	9,612.18	-	1,959.64	1,876,675	(11)	(2,831.20)	1,873,844
7/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08268	0.13532	228,100.00	114,050.00	11,761.86	9,625.36	-	2,136.50	1,878,811	(11)	(2,831.20)	1,875,980
7/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08401	0.13545	228,100.00	114,050.00	11,951.90	9,635.02	-	2,316.87	1,881,128	(11)	(2,831.20)	1,878,297
7/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08535	0.13554	228,100.00	114,050.00	12,141.93	9,641.18	-	2,500.75	1,883,629	(11)	(2,831.20)	1,880,798
7/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08668	0.13558	228,100.00	114,050.00	12,331.97	9,643.82	-	2,688.15	1,886,317	(11)	(2,831.20)	1,883,486
7/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08802	0.13556	228,100.00	114,050.00	12,522.01	9,642.94	-	2,879.07	1,889,196	(11)	(2,831.20)	1,886,365
7/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08935	0.13550	228,100.00	114,050.00	12,712.05	9,638.54	-	3,073.50	1,892,270	(11)	(2,831.20)	1,889,439
7/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09069	0.13539	228,100.00	114,050.00	12,902.08	9,630.63	-	3,271.45	1,895,541	(11)	(2,831.20)	1,892,710
7/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09203	0.13523	228,100.00	114,050.00	13,092.12	9,619.20	-	3,472.92	1,899,014	(11)	(2,831.20)	1,896,183
7/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09324	0.13502	228,100.00	114,050.00	13,265.41	9,604.27	-	3,661.14	1,902,675	(11)	(2,831.20)	1,899,844
7/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09313	0.13476	228,100.00	114,050.00	13,248.66	9,585.83	-	3,662.83	1,906,338	(11)	(2,831.20)	1,903,507
7/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09301	0.13445	228,100.00	114,050.00	13,231.90	9,563.89	-	3,668.01	1,910,006	(11)	(2,831.20)	1,907,175
7/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09289	0.13409	228,100.00	114,050.00	13,215.15	9,538.46	-	3,676.70	1,913,683	(11)	(2,831.20)	1,910,852
7/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09277	0.13369	228,100.00	114,050.00	13,198.40	9,509.54	-	3,688.86	1,917,372	(11)	(2,831.20)	1,914,541
7/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09266	0.13323	228,100.00	114,050.00	13,181.65	9,477.14	-	3,704.51	1,921,076	(11)	(2,831.20)	1,918,245
7/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09254	0.13273	228,100.00	114,050.00	13,164.90	9,441.27	-	3,723.62	1,924,800	(11)	(2,831.20)	1,921,969
7/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09242	0.13218	228,100.00	114,050.00	13,148.15	9,401.95	-	3,746.19	1,928,546	(11)	(2,831.20)	1,925,715
7/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09230	0.13157	228,100.00	114,050.00	13,131.39	9,359.19	-	3,772.21	1,932,318	(11)	(2,831.20)	1,929,487
7/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09218	0.13092	228,100.00	114,050.00	13,114.64	9,312.99	-	3,801.66	1,936,120	(11)	(2,831.20)	1,933,289
7/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09207	0.13023	228,100.00	114,050.00	13,097.89	9,263.37	-	3,834.52	1,939,954	(11)	(2,831.20)	1,937,123
7/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09195	0.12948	228,100.00	114,050.00	13,081.14	9,210.34	-	3,870.80	1,943,825	(11)	(2,831.20)	1,940,994
7/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09183	0.12869	228,100.00	114,050.00	13,064.39	9,153.93	-	3,910.46	1,947,736	(11)	(2,831.20)	1,944,904
8/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09171	0.12785	228,100.00	114,050.00	13,047.64	9,094.15	-	3,953.49	1,951,689	(11)	(2,831.20)	1,948,858
8/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09160	0.12696	228,100.00	114,050.00	13,030.88	9,031.01	-	3,999.88	1,955,689	(11)	(2,831.20)	1,952,858
8/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09148	0.12603	228,100.00	114,050.00	13,014.13	8,964.53	-	4,049.60	1,959,739	(11)	(2,831.20)	1,956,907
8/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09136	0.12504	228,100.00	114,050.00	12,997.38	8,894.74	-	4,102.64	1,963,841	(11)	(2,831.20)	1,961,010
8/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09124	0.12402	228,100.00	114,050.00	12,980.63	8,821.66	-	4,158.97	1,968,000	(11)	(2,831.20)	1,965,169
8/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09112	0.12294	228,100.00	114,050.00	12,963.88	8,745.30	-	4,218.58	1,972,219	(11)	(2,831.20)	1,969,388
8/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09101	0.12182	228,100.00	114,050.00	12,947.13	8,665.69	-	4,281.44	1,976,500	(11)	(2,831.20)	1,973,669
8/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09089	0.12066	228,100.00	114,050.00	12,930.37	8,582.85	-	4,347.52	1,980,848	(11)	(2,831.20)	1,978,017
8/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09077	0.11945	228,100.00	114,050.00	12,913.62	8,496.81	-	4,416.81	1,985,265	(11)	(2,831.20)	1,982,433
8/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09065	0.11820	228,100.00	114,050.00	12,896.87	8,407.60	-	4,489.27	1,989,754	(11)	(2,831.20)	1,986,923
8/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09054	0.11690	228,100.00	114,050.00	12,880.12	8,315.23	-	4,564.89	1,994,319	(11)	(2,831.20)	1,991,488
8/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09042	0.11556	228,100.00	114,050.00	12,863.37	8,219.74	-	4,643.63	1,998,962	(11)	(2,831.20)	1,996,131
8/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09030	0.11417	228,100.00	114,050.00	12,846.62	8,121.15	-	4,725.47	2,003,688	(11)	(2,831.20)	2,000,857
8/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09018	0.11274	228,100.00	114,050.00	12,829.87	8,019.50	-	4,810.37	2,008,498	(11)	(2,831.20)	2,005,667
8/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09007	0.11127	228,100.00	114,050.00	12,813.11	7,914.81	-	4,898.30	2,013,397	(11)	(2,831.20)	2,010,565
8/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08995	0.10975	228,100.00	114,050.00	12,796.36	7,807.12	-	4,989.24	2,018,386	(11)	(2,831.20)	2,015,555
8/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08983	0.10820	228,100.00	114,050.00	12,779.61	7,696.45	-	5,083.16	2,023,469	(11)	(2,831.20)	2,020,638
8/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08971	0.10660	228,100.00	114,050.00	12,762.86	7,582.85	-	5,180.01	2,028,649	(11)	(2,831.20)	2,025,818
8/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08980	0.10496	228,100.00	114,050.00	12,774.77	7,466.33	-	5,308.44	2,033,957	(11)	(2,831.20)	2,031,126
8/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09000	0.10329	228,100.00	114,050.00	12,803.43	7,346.95	-	5,456.48	2,039,414	(11)	(2,831.20)	2,036,583
8/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09020	0.10157	228,100.00	114,050.00	12,832.10	7,224.73	-	5,607.37	2,045,021	(11)	(2,831.20)	2,042,190
8/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09040	0.09981	228,100.00	114,050.00	12,860.76	7,099.71	-	5,761.05	2,050,782	(11)	(2,831.20)	2,047,951
8/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09060	0.09801	228,100.00	114,050.00	12,889.43	6,971.92	-	5,917.50	2,056,700	(11)	(2,831.20)	2,053,869
8/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09080	0.09618	228,100.00	114,050.00	12,918.09	6,841.41	-	6,076.68	2,062,776	(11)	(2,831.20)	2,059,945
8/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09100	0.09431	228,100.00	114,050.00	12,946.75	6,708.22	-	6,238.54	2,069,015	(11)	(2,831.20)	2,066,184
8/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09121	0.09240	228,100.00	114,050.00	12,975.42	6,572.37	-	6,403.04	2,075,418	(11)	(2,831.20)	2,072,587
8/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09141	0.09045	228,100.00	114,050.00	13,004.08	6,433.92	-	6,570.16	2,081,988	(11)	(2,831.20)	2,079,157
8/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09161	0.08847	228,100.00	114,050.00	13,032.75	6,292.91	-	6,739.84	2,088,728	(11)	(2,831.20)	2,085,897
8/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09181	0.08645	228,100.00	114,050.00	13,061.41	6,149.37	-	6,912.04	2,095,640	(11)	(2,831.20)	2,092,809
8/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09201	0.08440	228,100.00	114,050.00	13,090.07	6,003.34	-	7,086.73	2,102,727	(11)	(2,831.20)	2,099,896
8/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09221	0.08231	228,100.00	114,050.00	13,118.74	5,854.88	-	7,263.85	2,109,991	(11)	(2,831.20)	2,107,159
9/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09241	0.08019	228,100.00	114,050.00	13,147.40	5,704.03	108,000.00	(100,556.63)	2,009,434	(11)	(2,831.20)	2,006,603
9/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09262	0.07803	228,100.00	114,050.00	13,176.06	5,550.82	108,000.00	(100,374.76)	1,909,059	(11)	(2,831.20)	1,906,228
9/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09282	0.07585	228,100.00	114,050.00	13,204.73	5,395.31	108,000.00	(100,190.58)	1,808,869	(11)	(2,831.20)	1,806,038
9/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09302	0.07363	228,100.00	114,050.00	13,233.39	5,237.55	108,000.00	(100,004.15)	1,708,865	(11)	(2,831.20)	1,706,033
9/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09322	0.07138	228,100.00	114,050.00	13,262.06	5,077.57	108,000.00	(99,815.51)	1,609,049	(11)	(2,831.20)	1,606,218
9/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09342	0.06910	228,100.00	114,050.00	13,290.72	4,915.42	108,000.00	(99,624.70)	1,509,424	(11)	(2,831.20)	1,506,593
9/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09362	0.06679	228,100.00	114,050.00	13,319.38	4,751.17	108,000.00	(99,431.78)	1,409,993	(11)	(2,831.20)	1,407,161

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2009 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
9/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09383	0.06445	228,100.00	114,050.00	13,348.05	4,584.84	108,000.00	(99,236.79)	1,310,756	(11)	(2,831.20)	1,307,925
9/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09403	0.06209	228,100.00	114,050.00	13,376.71	4,416.49	108,000.00	(99,039.78)	1,211,716	(11)	(2,831.20)	1,208,885
9/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09423	0.05969	228,100.00	114,050.00	13,405.38	4,246.18	108,000.00	(98,840.81)	1,112,875	(11)	(2,831.20)	1,110,044
9/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09443	0.05727	228,100.00	114,050.00	13,434.04	4,073.95	108,000.00	(98,639.91)	1,014,235	(11)	(2,831.20)	1,011,404
9/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09463	0.05483	228,100.00	114,050.00	13,462.70	3,899.85	108,000.00	(98,437.15)	915,798	(11)	(2,831.20)	912,967
9/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09483	0.05235	228,100.00	114,050.00	13,491.37	3,723.94	108,000.00	(98,232.57)	817,566	(11)	(2,831.20)	814,734
9/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09503	0.04985	228,100.00	114,050.00	13,520.03	3,546.27	108,000.00	(98,026.24)	719,539	(11)	(2,831.20)	716,708
9/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09524	0.04733	228,100.00	114,050.00	13,548.70	3,366.88	108,000.00	(97,818.19)	621,721	(11)	(2,831.20)	618,890
9/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09544	0.04479	228,100.00	114,050.00	13,577.36	3,185.84	108,000.00	(97,608.48)	524,113	(11)	(2,831.20)	521,281
9/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09564	0.04222	228,100.00	114,050.00	13,606.02	3,003.19	108,000.00	(97,397.17)	426,715	(11)	(2,831.20)	423,884
9/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09453	0.03963	228,100.00	114,050.00	13,447.81	2,819.00	108,000.00	(97,371.18)	329,344	(11)	(2,831.20)	326,513
9/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09341	0.03702	228,100.00	114,050.00	13,289.60	2,633.31	108,000.00	(97,343.70)	232,001	(11)	(2,831.20)	229,169
9/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09210	0.03439	228,100.00	114,050.00	13,102.73	2,446.18	108,000.00	(97,343.45)	134,657	(11)	(2,831.20)	131,826
9/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09079	0.03174	228,100.00	114,050.00	12,915.86	2,257.66	108,000.00	(97,341.81)	37,315	(11)	(2,831.20)	34,484
9/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08947	0.02907	228,100.00	114,050.00	12,728.98	2,067.82	-	10,661.16	47,976	(11)	(2,831.20)	45,145
9/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08816	0.02638	228,100.00	114,050.00	12,542.11	1,876.71	-	10,665.40	58,642	(11)	(2,831.20)	55,811
9/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08685	0.02368	228,100.00	114,050.00	12,355.24	1,684.38	-	10,670.86	69,313	(11)	(2,831.20)	66,482
9/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08553	0.02096	228,100.00	114,050.00	12,168.36	1,490.89	-	10,677.48	79,990	(11)	(2,831.20)	77,159
9/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08422	0.01822	228,100.00	114,050.00	11,981.49	1,296.30	-	10,685.19	90,675	(11)	(2,831.20)	87,844
9/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08291	0.01547	228,100.00	114,050.00	11,794.62	1,100.66	-	10,693.95	101,369	(11)	(2,831.20)	98,538
9/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08159	0.01271	228,100.00	114,050.00	11,607.74	904.04	-	10,703.70	112,073	(11)	(2,831.20)	109,242
9/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08028	0.00993	228,100.00	114,050.00	11,420.87	706.50	-	10,714.37	122,787	(11)	(2,831.20)	119,956
9/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07897	0.00714	228,100.00	114,050.00	11,234.00	508.08	-	10,725.92	133,513	(11)	(2,831.20)	130,682
10/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07765	0.00434	228,100.00	114,050.00	11,047.12	308.85	-	10,738.27	144,252	(11)	(2,831.20)	141,420
10/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07634	0.00153	228,100.00	114,050.00	10,860.25	108.88	-	10,751.37	155,003	(11)	(2,831.20)	152,172
10/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07502	0.00000	228,100.00	114,050.00	10,673.38	-	-	10,673.38	165,676	(11)	(2,831.20)	162,845
10/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07371	0.00000	228,100.00	114,050.00	10,486.50	-	-	10,486.50	176,163	(11)	(2,831.20)	173,332
10/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07240	0.00000	228,100.00	114,050.00	10,299.63	-	-	10,299.63	186,463	(11)	(2,831.20)	183,631
10/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07108	0.00000	228,100.00	114,050.00	10,112.76	-	-	10,112.76	196,575	(11)	(2,831.20)	193,744
10/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06977	0.00000	228,100.00	114,050.00	9,925.88	-	-	9,925.88	206,501	(11)	(2,831.20)	203,670
10/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06846	0.00000	228,100.00	114,050.00	9,739.01	-	-	9,739.01	216,240	(11)	(2,831.20)	213,409
10/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06714	0.00000	228,100.00	114,050.00	9,552.14	-	-	9,552.14	225,792	(11)	(2,831.20)	222,961
10/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06583	0.00000	228,100.00	114,050.00	9,365.26	-	-	9,365.26	235,158	(11)	(2,831.20)	232,326
10/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06452	0.00000	228,100.00	114,050.00	9,178.39	-	-	9,178.39	244,336	(11)	(2,831.20)	241,505
10/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06320	0.00000	228,100.00	114,050.00	8,991.51	-	-	8,991.51	253,327	(11)	(2,831.20)	250,496
10/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06189	0.00000	228,100.00	114,050.00	8,804.64	-	-	8,804.64	262,132	(11)	(2,831.20)	259,301
10/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06058	0.00000	228,100.00	114,050.00	8,617.77	-	-	8,617.77	270,750	(11)	(2,831.20)	267,919
10/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05926	0.00000	228,100.00	114,050.00	8,430.89	-	-	8,430.89	279,181	(11)	(2,831.20)	276,350
10/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05795	0.00000	228,100.00	114,050.00	8,244.02	-	-	8,244.02	287,425	(11)	(2,831.20)	284,594
10/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05663	0.00000	228,100.00	114,050.00	8,057.15	-	-	8,057.15	295,482	(11)	(2,831.20)	292,651
10/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05532	0.00000	228,100.00	114,050.00	7,870.27	-	-	7,870.27	303,352	(11)	(2,831.20)	300,521
10/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05397	0.00000	228,100.00	114,050.00	7,677.94	-	-	7,677.94	311,030	(11)	(2,831.20)	308,199
10/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05393	0.00000	228,100.00	114,050.00	7,672.48	-	-	7,672.48	318,703	(11)	(2,831.20)	315,871
10/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05389	0.00000	228,100.00	114,050.00	7,667.02	-	-	7,667.02	326,370	(11)	(2,831.20)	323,538
10/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05385	0.00000	228,100.00	114,050.00	7,661.56	-	-	7,661.56	334,031	(11)	(2,831.20)	331,200
10/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05382	0.00000	228,100.00	114,050.00	7,656.10	-	-	7,656.10	341,687	(11)	(2,831.20)	338,856
10/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05378	0.00000	228,100.00	114,050.00	7,650.64	-	-	7,650.64	349,338	(11)	(2,831.20)	346,507
10/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05374	0.00000	228,100.00	114,050.00	7,645.18	-	-	7,645.18	356,983	(11)	(2,831.20)	354,152
10/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05370	0.00000	228,100.00	114,050.00	7,639.72	-	-	7,639.72	364,623	(11)	(2,831.20)	361,792
10/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05366	0.00000	228,100.00	114,050.00	7,634.26	-	-	7,634.26	372,257	(11)	(2,831.20)	369,426
10/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05362	0.00000	228,100.00	114,050.00	7,628.80	-	-	7,628.80	379,886	(11)	(2,831.20)	377,055
10/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05359	0.00000	228,100.00	114,050.00	7,623.34	-	-	7,623.34	387,509	(11)	(2,831.20)	384,678
10/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05355	0.00000	228,100.00	114,050.00	7,617.88	-	-	7,617.88	395,127	(11)	(2,831.20)	392,296
10/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05351	0.00000	228,100.00	114,050.00	7,612.42	-	-	7,612.42	402,740	(11)	(2,831.20)	399,908
11/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05347	0.00000	228,100.00	114,050.00	7,606.96	-	-	7,606.96	410,347	(11)	(2,831.20)	407,515
11/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05343	0.00000	228,100.00	114,050.00	7,601.50	-	-	7,601.50	417,948	(11)	(2,831.20)	415,117
11/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05339	0.00000	228,100.00	114,050.00	7,596.04	-	-	7,596.04	425,544	(11)	(2,831.20)	422,713
11/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05336	0.00000	228,100.00	114,050.00	7,590.58	-	-	7,590.58	433,135	(11)	(2,831.20)	430,303
11/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05332	0.00000	228,100.00	114,050.00	7,585.12	-	-	7,585.12	440,720	(11)	(2,831.20)	437,889
11/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05328	0.00000	228,100.00	114,050.00	7,579.67	-	-	7,579.67	448,299	(11)	(2,831.20)	445,468
11/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05324	0.00000	228,100.00	114,050.00	7,574.21	-	-	7,574.21	455,874	(11)	(2,831.20)	453,042
11/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05320	0.00000	228,100.00	114,050.00	7,568.75	-	-	7,568.75	463,442	(11)	(2,831.20)	460,611
11/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,563.29	-	-	7,563.29	471,006	(11)	(2,831.20)	468,175
11/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.83	-	-	7,557.83	478,564	(11)	(2,831.20)	475,732
11/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05309	0.00000	228,100.00	114,050.00	7,552.37	-	-	7,552.37	486,116	(11)	(2,831.20)	483,285
11/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-	-	7,546.91	493,663	(11)	(2,831.20)	490,832
11/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.45	-	-	7,541.45	501,204	(11)	(2,831.20)	498,373
11/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,535.99	-	-	7,535.99	508,740	(11)	(2,831.20)	505,909
11/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,530.53	-	-	7,530.53	516,271	(11)	(2,831.20)	513,440
11/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,525.07	-	-	7,525.07	523,796	(11)	(2,831.20)	520,965
11/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05286	0.00000	228,100.00	114,050.00	7,519.61	-	-	7,519.61	531,315	(11)	(2,831.20)	528,484
11/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.89	-	-	7,515.89	538,831	(11)	(2,831.20)	536,000
11/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05280	0.00000	228,100.00	114,050.00	7,512.16	-	-	7,512.16	546,343	(11)	(2,831.20)	543,512
11/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05282	0.00000	228,100.00	114,050.00	7,513.90	-	-	7,513.90	553,857	(11)	(2,831.20)	551,026
11/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.64	-	-	7,515.64	561,373	(11)	(2,831.20)	558,542
11/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05284	0.00000	228,100.00	114,050.00	7,517.37	-	-	7,517.37	568,890	(11)	(2,831.20)	566,059
11/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05285	0.00000	228,100.00	114,050.00	7,519.11	-	-	7,519.11	576,410	(11)	(2,831.20)	573,578
11/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05287	0.00000	228,100.00	114,050.00	7,520.85	-	-	7,520.85	583,930	(11)	(2,831.20)	581,099
11/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05288	0.00000	228,100.00	114,050.00	7,522.59	-	-	7,522.59	591,453	(11)	(2,831.20)	588,622
11/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,524.32	-	-	7,524.32	598,977	(11)	(2,831.20)	596,146
11/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05290	0.00000	228,100.00	114,050.00	7,526.06	-	-	7,526.06	606,503	(11)	(2,831.20)	603,672
11/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05291	0.00000	228,100.00	114,050.00	7,527.80	-	-	7,527.80	614,031	(11)	(2,831.20)	611,200

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2009 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
11/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,529.53	-	-	7,529.53	621,561	(11)	(2,831.20)	618,729
11/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05294	0.00000	228,100.00	114,050.00	7,531.27	-	-	7,531.27	629,092	(11)	(2,831.20)	626,261
12/1/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05295	0.00000	228,100.00	114,050.00	7,533.01	-	-	7,533.01	636,625	(11)	(2,831.20)	633,794
12/2/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05296	0.00000	228,100.00	114,050.00	7,534.75	-	-	7,534.75	644,160	(11)	(2,831.20)	641,328
12/3/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,536.48	-	-	7,536.48	651,696	(11)	(2,831.20)	648,865
12/4/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05299	0.00000	228,100.00	114,050.00	7,538.22	-	-	7,538.22	659,234	(11)	(2,831.20)	656,403
12/5/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05300	0.00000	228,100.00	114,050.00	7,539.96	-	-	7,539.96	666,774	(11)	(2,831.20)	663,943
12/6/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.69	-	-	7,541.69	674,316	(11)	(2,831.20)	671,485
12/7/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05302	0.00000	228,100.00	114,050.00	7,543.43	-	-	7,543.43	681,859	(11)	(2,831.20)	679,028
12/8/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05304	0.00000	228,100.00	114,050.00	7,545.17	-	-	7,545.17	689,405	(11)	(2,831.20)	686,573
12/9/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-	-	7,546.91	696,952	(11)	(2,831.20)	694,120
12/10/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05306	0.00000	228,100.00	114,050.00	7,548.64	-	-	7,548.64	704,500	(11)	(2,831.20)	701,669
12/11/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05307	0.00000	228,100.00	114,050.00	7,550.38	-	-	7,550.38	712,051	(11)	(2,831.20)	709,219
12/12/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05308	0.00000	228,100.00	114,050.00	7,552.12	-	-	7,552.12	719,603	(11)	(2,831.20)	716,771
12/13/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05310	0.00000	228,100.00	114,050.00	7,553.86	-	-	7,553.86	727,157	(11)	(2,831.20)	724,325
12/14/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05311	0.00000	228,100.00	114,050.00	7,555.59	-	-	7,555.59	734,712	(11)	(2,831.20)	731,881
12/15/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.33	-	-	7,557.33	742,269	(11)	(2,831.20)	739,438
12/16/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05313	0.00000	228,100.00	114,050.00	7,559.07	-	-	7,559.07	749,829	(11)	(2,831.20)	746,997
12/17/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05315	0.00000	228,100.00	114,050.00	7,560.80	-	-	7,560.80	757,389	(11)	(2,831.20)	754,558
12/18/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,562.54	-	-	7,562.54	764,952	(11)	(2,831.20)	762,121
12/19/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05262	0.00000	228,100.00	114,050.00	7,486.10	-	-	7,486.10	772,438	(11)	(2,831.20)	769,607
12/20/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05207	0.00000	228,100.00	114,050.00	7,407.93	-	-	7,407.93	779,846	(11)	(2,831.20)	777,015
12/21/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05152	0.00000	228,100.00	114,050.00	7,329.76	-	-	7,329.76	787,176	(11)	(2,831.20)	784,344
12/22/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05097	0.00000	228,100.00	114,050.00	7,251.58	-	-	7,251.58	794,427	(11)	(2,831.20)	791,596
12/23/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05042	0.00000	228,100.00	114,050.00	7,173.41	-	-	7,173.41	801,601	(11)	(2,831.20)	798,769
12/24/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04987	0.00000	228,100.00	114,050.00	7,095.23	-	-	7,095.23	808,696	(11)	(2,831.20)	805,865
12/25/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04932	0.00000	228,100.00	114,050.00	7,017.06	-	-	7,017.06	815,713	(11)	(2,831.20)	812,882
12/26/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04877	0.00000	228,100.00	114,050.00	6,938.89	-	-	6,938.89	822,652	(11)	(2,831.20)	819,821
12/27/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04822	0.00000	228,100.00	114,050.00	6,860.71	-	-	6,860.71	829,513	(11)	(2,831.20)	826,681
12/28/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04768	0.00000	228,100.00	114,050.00	6,782.54	-	-	6,782.54	836,295	(11)	(2,831.20)	833,464
12/29/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04713	0.00000	228,100.00	114,050.00	6,704.36	-	-	6,704.36	842,999	(11)	(2,831.20)	840,168
12/30/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04658	0.00000	228,100.00	114,050.00	6,626.19	-	-	6,626.19	849,626	(11)	(2,831.20)	846,794
12/31/2009	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04603	0.00000	228,100.00	114,050.00	6,548.01	-	-	6,548.01	856,174	(11)	(2,831.20)	853,342
			1704.84		88.25		3235.71	-1619.12					742026.20	124367.78		617658.42			-427511.76	
			1727.42		89.42		3278.57	-1640.57					1657482.97	872812.06	2268000.00	-1483329.09			-433174.17	
			688.71		35.65		1307.14	-654.08					453434.08	0.00		453434.08			-172703.43	

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2010 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
																	853,342			
1/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05485	0.00000	228,100.00	114,050.00	7,803.01	-	-	7,803.01	861,145	(11)	(2,831.20)	858,314
1/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04518	0.00000	228,100.00	114,050.00	6,427.20	-	-	6,427.20	867,573	(11)	(2,831.20)	864,741
1/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04464	0.00000	228,100.00	114,050.00	6,351.39	-	-	6,351.39	873,924	(11)	(2,831.20)	871,093
1/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04411	0.00000	228,100.00	114,050.00	6,275.59	-	-	6,275.59	880,200	(11)	(2,831.20)	877,368
1/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04358	0.00000	228,100.00	114,050.00	6,199.78	-	-	6,199.78	886,399	(11)	(2,831.20)	883,568
1/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04305	0.00000	228,100.00	114,050.00	6,123.98	-	-	6,123.98	892,523	(11)	(2,831.20)	889,692
1/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04251	0.00000	228,100.00	114,050.00	6,048.17	-	-	6,048.17	898,572	(11)	(2,831.20)	895,740
1/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04198	0.00000	228,100.00	114,050.00	5,972.37	-	-	5,972.37	904,544	(11)	(2,831.20)	901,713
1/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04145	0.00000	228,100.00	114,050.00	5,896.56	-	-	5,896.56	910,441	(11)	(2,831.20)	907,609
1/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04091	0.00000	228,100.00	114,050.00	5,820.76	-	-	5,820.76	916,261	(11)	(2,831.20)	913,430
1/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04038	0.00000	228,100.00	114,050.00	5,744.95	-	-	5,744.95	922,006	(11)	(2,831.20)	919,175
1/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.00000	228,100.00	114,050.00	5,669.15	-	-	5,669.15	927,675	(11)	(2,831.20)	924,844
1/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03932	0.00000	228,100.00	114,050.00	5,593.34	-	-	5,593.34	933,269	(11)	(2,831.20)	930,438
1/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03878	0.00000	228,100.00	114,050.00	5,517.54	-	-	5,517.54	938,786	(11)	(2,831.20)	935,955
1/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03825	0.00000	228,100.00	114,050.00	5,441.73	-	-	5,441.73	944,228	(11)	(2,831.20)	941,397
1/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03772	0.00000	228,100.00	114,050.00	5,365.93	-	-	5,365.93	949,594	(11)	(2,831.20)	946,763
1/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03718	0.00000	228,100.00	114,050.00	5,290.12	-	-	5,290.12	954,884	(11)	(2,831.20)	952,053
1/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03665	0.00000	228,100.00	114,050.00	5,214.32	-	-	5,214.32	960,098	(11)	(2,831.20)	957,267
1/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03552	0.00000	228,100.00	114,050.00	5,052.87	-	-	5,052.87	965,151	(11)	(2,831.20)	962,320
1/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03545	0.00000	228,100.00	114,050.00	5,043.03	-	-	5,043.03	970,194	(11)	(2,831.20)	967,363
1/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03538	0.00000	228,100.00	114,050.00	5,033.19	-	-	5,033.19	975,227	(11)	(2,831.20)	972,396
1/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03531	0.00000	228,100.00	114,050.00	5,023.35	-	-	5,023.35	980,251	(11)	(2,831.20)	977,420
1/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03524	0.00000	228,100.00	114,050.00	5,013.51	-	-	5,013.51	985,264	(11)	(2,831.20)	982,433
1/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03517	0.00000	228,100.00	114,050.00	5,003.68	-	-	5,003.68	990,268	(11)	(2,831.20)	987,437
1/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03510	0.00000	228,100.00	114,050.00	4,993.84	-	-	4,993.84	995,262	(11)	(2,831.20)	992,431
1/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03503	0.00000	228,100.00	114,050.00	4,984.00	-	-	4,984.00	1,000,246	(11)	(2,831.20)	997,415
1/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03496	0.00000	228,100.00	114,050.00	4,974.16	-	-	4,974.16	1,005,220	(11)	(2,831.20)	1,002,389
1/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03489	0.00000	228,100.00	114,050.00	4,964.32	-	-	4,964.32	1,010,184	(11)	(2,831.20)	1,007,353
1/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03483	0.00000	228,100.00	114,050.00	4,954.49	-	-	4,954.49	1,015,139	(11)	(2,831.20)	1,012,308
1/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03476	0.00000	228,100.00	114,050.00	4,944.65	-	-	4,944.65	1,020,083	(11)	(2,831.20)	1,017,252
1/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03469	0.00000	228,100.00	114,050.00	4,934.81	-	-	4,934.81	1,025,018	(11)	(2,831.20)	1,022,187
2/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03462	0.00000	228,100.00	114,050.00	4,924.97	-	-	4,924.97	1,029,943	(11)	(2,831.20)	1,027,112
2/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03455	0.00000	228,100.00	114,050.00	4,915.13	-	-	4,915.13	1,034,858	(11)	(2,831.20)	1,032,027
2/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03448	0.00000	228,100.00	114,050.00	4,905.29	-	-	4,905.29	1,039,764	(11)	(2,831.20)	1,036,932
2/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03441	0.00000	228,100.00	114,050.00	4,895.46	-	-	4,895.46	1,044,659	(11)	(2,831.20)	1,041,828
2/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03434	0.00000	228,100.00	114,050.00	4,885.62	-	-	4,885.62	1,049,545	(11)	(2,831.20)	1,046,714
2/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03427	0.00000	228,100.00	114,050.00	4,875.78	-	-	4,875.78	1,054,421	(11)	(2,831.20)	1,051,589
2/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03420	0.00000	228,100.00	114,050.00	4,865.94	-	-	4,865.94	1,059,286	(11)	(2,831.20)	1,056,455
2/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03413	0.00000	228,100.00	114,050.00	4,856.10	-	-	4,856.10	1,064,143	(11)	(2,831.20)	1,061,311
2/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03407	0.00000	228,100.00	114,050.00	4,846.26	-	-	4,846.26	1,068,989	(11)	(2,831.20)	1,066,158
2/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03400	0.00000	228,100.00	114,050.00	4,836.43	-	-	4,836.43	1,073,825	(11)	(2,831.20)	1,070,994
2/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03393	0.00000	228,100.00	114,050.00	4,826.59	-	-	4,826.59	1,078,652	(11)	(2,831.20)	1,075,821
2/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03386	0.00000	228,100.00	114,050.00	4,816.75	-	-	4,816.75	1,083,469	(11)	(2,831.20)	1,080,637
2/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,806.91	-	-	4,806.91	1,088,275	(11)	(2,831.20)	1,085,444
2/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,797.07	-	-	4,797.07	1,093,073	(11)	(2,831.20)	1,090,241
2/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03365	0.00000	228,100.00	114,050.00	4,787.24	-	-	4,787.24	1,097,860	(11)	(2,831.20)	1,095,029
2/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03379	0.00000	228,100.00	114,050.00	4,807.71	-	-	4,807.71	1,102,668	(11)	(2,831.20)	1,099,836
2/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03394	0.00000	228,100.00	114,050.00	4,828.18	-	-	4,828.18	1,107,496	(11)	(2,831.20)	1,104,664
2/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03408	0.00000	228,100.00	114,050.00	4,848.66	-	-	4,848.66	1,112,344	(11)	(2,831.20)	1,109,513
2/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03423	0.00000	228,100.00	114,050.00	4,869.13	-	-	4,869.13	1,117,213	(11)	(2,831.20)	1,114,382
2/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03444	0.00000	228,100.00	114,050.00	4,899.44	-	-	4,899.44	1,122,113	(11)	(2,831.20)	1,119,282
2/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03465	0.00000	228,100.00	114,050.00	4,929.76	-	-	4,929.76	1,127,043	(11)	(2,831.20)	1,124,211
2/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03486	0.00000	228,100.00	114,050.00	4,960.07	-	-	4,960.07	1,132,003	(11)	(2,831.20)	1,129,172
2/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03508	0.00000	228,100.00	114,050.00	4,990.38	-	-	4,990.38	1,136,993	(11)	(2,831.20)	1,134,162
2/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03529	0.00000	228,100.00	114,050.00	5,020.69	-	-	5,020.69	1,142,014	(11)	(2,831.20)	1,139,183
2/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03550	0.00000	228,100.00	114,050.00	5,051.01	-	-	5,051.01	1,147,065	(11)	(2,831.20)	1,144,234
2/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03572	0.00000	228,100.00	114,050.00	5,081.32	-	-	5,081.32	1,152,146	(11)	(2,831.20)	1,149,315
2/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03593	0.00000	228,100.00	114,050.00	5,111.63	-	-	5,111.63	1,157,258	(11)	(2,831.20)	1,154,427
2/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03614	0.00000	228,100.00	114,050.00	5,141.94	-	-	5,141.94	1,162,400	(11)	(2,831.20)	1,159,569
3/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03636	0.00000	228,100.00	114,050.00	5,172.26	-	-	5,172.26	1,167,572	(11)	(2,831.20)	1,164,741
3/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.00000	228,100.00	114,050.00	5,202.57	-	-	5,202.57	1,172,775	(11)	(2,831.20)	1,169,943
3/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03678	0.00000	228,100.00	114,050.00	5,232.88	-	-	5,232.88	1,178,007	(11)	(2,831.20)	1,175,176
3/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03700	0.00000	228,100.00	114,050.00	5,263.19	-	-	5,263.19	1,183,271	(11)	(2,831.20)	1,180,439
3/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03721	0.00000	228,100.00	114,050.00	5,293.51	-	-	5,293.51	1,188,564	(11)	(2,831.20)	1,185,733
3/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03742	0.00000	228,100.00	114,050.00	5,323.82	-	-	5,323.82	1,193,888	(11)	(2,831.20)	1,191,057
3/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03763	0.00000	228,100.00	114,050.00	5,354.13	-	-	5,354.13	1,199,242	(11)	(2,831.20)	1,196,411
3/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03785	0.00000	228,100.00	114,050.00	5,384.44	-	-	5,384.44	1,204,627	(11)	(2,831.20)	1,201,795
3/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03806	0.00000	228,100.00	114,050.00	5,414.76	-	-	5,414.76	1,210,041	(11)	(2,831.20)	1,207,210
3/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03827	0.00000	228,100.00	114,050.00	5,445.07	-	-	5,445.07	1,215,486	(11)	(2,831.20)	1,212,655
3/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03849	0.00000	228,100.00	114,050.00	5,475.38	-	-	5,475.38	1,220,962	(11)	(2,831.20)	1,218,131
3/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03870	0.00000	228,100.00	114,050.00	5,505.69	-	-	5,505.69	1,226,467	(11)	(2,831.20)	1,223,636
3/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.00000	228,100.00	114,050.00	5,536.01	-	-	5,536.01	1,232,003	(11)	(2,831.20)	1,229,172
3/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03913	0.00000	228,100.00	114,050.00	5,566.32	-	-	5,566.32	1,237,570	(11)	(2,831.20)	1,234,739
3/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03934	0.00000	228,100.00	114,050.00	5,596.63	-	-	5,596.63	1,243,166	(11)	(2,831.20)	1,240,335
3/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03955	0.00000	228,100.00	114,050.00	5,626.94	-	-	5,626.94	1,248,793	(11)	(2,831.20)	1,245,962
3/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03977	0.00000	228,100.00	114,050.00	5,657.26	-	-	5,657.26	1,254,451	(11)	(2,831.20)	1,251,619
3/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03998	0.00000	228,100.00	114,050.00	5,687.57	-	-	5,687.57	1,260,138	(11)	(2,831.20)	1,257,307
3/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03965	0.00000	228,100.00	114,050.00	5,641.13	-	-	5,641.13	1,265,779	(11)	(2,831.20)	1,262,948
3/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03911	0.00000	228,100.00	114,050.00	5,564.39	-	-	5,564.39	1,271,344	(11)	(2,831.20)	1,268,512
3/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03857	0.00000	228,100.00	114,050.00	5,487.64	-	-	5,487.64	1,276,831	(11)	(2,831.20)	1,274,000
3/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03803	0.00000	228,100.00	114,050.00	5,410.89	-	-	5,410.89	1,282,242	(11)	(2,831.20)	1,279,411
3/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03749	0.00000	228,100.00	114,050.00	5,334.14	-	-	5,334.14	1,287,576	(11)	(2,831.20)	1,284,745
3/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03695	0.00000	228,100.00	114,050.00	5,257.40	-	-	5,257.40	1,292,834	(11)	(2,831.20)	1,290,003
3/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03642	0.00000	228,100.00	114,050.00	5,180.65	-	-	5,180.65	1,298,014	(11)	(2,831.20)	1,295,183
3/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03588	0.00000	228,100.00	114,050.00	5,103.90	-	-	5,103.90	1,303,118	(11)	(2,831.20)	1,300,287
3/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03534	0.00000	228,100.00	114,050.00	5,027.16	-	-	5,027.16	1,308,145	(11)	(2,831.20)	1,305,314

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2010 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
3/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03480	0.00000	228,100.00	114,050.00	4,950.41	-	-	4,950.41	1,313,096	(11)	(2,831.20)	1,310,265
3/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03426	0.00000	228,100.00	114,050.00	4,873.66	-	-	4,873.66	1,317,970	(11)	(2,831.20)	1,315,138
3/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03372	0.00000	228,100.00	114,050.00	4,796.91	-	-	4,796.91	1,322,766	(11)	(2,831.20)	1,319,935
3/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03318	0.00000	228,100.00	114,050.00	4,720.17	-	-	4,720.17	1,327,487	(11)	(2,831.20)	1,324,655
4/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03264	0.00000	228,100.00	114,050.00	4,643.42	-	-	4,643.42	1,332,130	(11)	(2,831.20)	1,329,299
4/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03210	0.00000	228,100.00	114,050.00	4,566.67	-	-	4,566.67	1,336,697	(11)	(2,831.20)	1,333,865
4/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03156	0.00000	228,100.00	114,050.00	4,489.93	-	-	4,489.93	1,341,187	(11)	(2,831.20)	1,338,355
4/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03102	0.00000	228,100.00	114,050.00	4,413.18	-	-	4,413.18	1,345,600	(11)	(2,831.20)	1,342,769
4/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03048	0.00000	228,100.00	114,050.00	4,336.43	-	-	4,336.43	1,349,936	(11)	(2,831.20)	1,347,105
4/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02994	0.00000	228,100.00	114,050.00	4,259.68	-	-	4,259.68	1,354,196	(11)	(2,831.20)	1,351,365
4/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02940	0.00000	228,100.00	114,050.00	4,182.94	-	-	4,182.94	1,358,379	(11)	(2,831.20)	1,355,548
4/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.00000	228,100.00	114,050.00	4,106.19	-	-	4,106.19	1,362,485	(11)	(2,831.20)	1,359,654
4/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02832	0.00000	228,100.00	114,050.00	4,029.44	-	-	4,029.44	1,366,514	(11)	(2,831.20)	1,363,683
4/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02778	0.00000	228,100.00	114,050.00	3,952.70	-	-	3,952.70	1,370,467	(11)	(2,831.20)	1,367,636
4/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02724	0.00000	228,100.00	114,050.00	3,875.95	-	-	3,875.95	1,374,343	(11)	(2,831.20)	1,371,512
4/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02671	0.00000	228,100.00	114,050.00	3,799.20	-	-	3,799.20	1,378,142	(11)	(2,831.20)	1,375,311
4/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02617	0.00000	228,100.00	114,050.00	3,722.45	-	-	3,722.45	1,381,865	(11)	(2,831.20)	1,379,034
4/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02563	0.00000	228,100.00	114,050.00	3,645.71	-	-	3,645.71	1,385,510	(11)	(2,831.20)	1,382,679
4/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02509	0.00000	228,100.00	114,050.00	3,568.96	-	-	3,568.96	1,389,079	(11)	(2,831.20)	1,386,248
4/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02455	0.00000	228,100.00	114,050.00	3,492.21	-	-	3,492.21	1,392,572	(11)	(2,831.20)	1,389,740
4/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02401	0.00000	228,100.00	114,050.00	3,415.47	-	-	3,415.47	1,395,987	(11)	(2,831.20)	1,393,156
4/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02385	0.00000	228,100.00	114,050.00	3,393.13	-	-	3,393.13	1,399,380	(11)	(2,831.20)	1,396,549
4/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02369	0.00000	228,100.00	114,050.00	3,370.79	-	-	3,370.79	1,402,751	(11)	(2,831.20)	1,399,920
4/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02408	0.00000	228,100.00	114,050.00	3,425.21	-	-	3,425.21	1,406,176	(11)	(2,831.20)	1,403,345
4/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02446	0.00000	228,100.00	114,050.00	3,479.62	-	-	3,479.62	1,409,656	(11)	(2,831.20)	1,406,825
4/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02484	0.00000	228,100.00	114,050.00	3,534.03	-	-	3,534.03	1,413,190	(11)	(2,831.20)	1,410,359
4/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02522	0.00000	228,100.00	114,050.00	3,588.44	-	-	3,588.44	1,416,778	(11)	(2,831.20)	1,413,947
4/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02561	0.00000	228,100.00	114,050.00	3,642.85	-	-	3,642.85	1,420,421	(11)	(2,831.20)	1,417,590
4/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02599	0.00012	228,100.00	114,050.00	3,697.26	8.63	-	3,688.64	1,424,110	(11)	(2,831.20)	1,421,279
4/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02637	0.00294	228,100.00	114,050.00	3,751.68	208.96	-	3,542.72	1,427,653	(11)	(2,831.20)	1,424,821
4/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02675	0.00574	228,100.00	114,050.00	3,806.09	408.56	-	3,397.52	1,431,050	(11)	(2,831.20)	1,428,219
4/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02714	0.00854	228,100.00	114,050.00	3,860.50	607.39	-	3,253.11	1,434,303	(11)	(2,831.20)	1,431,472
4/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02752	0.01132	228,100.00	114,050.00	3,914.91	805.38	-	3,109.53	1,437,413	(11)	(2,831.20)	1,434,582
4/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02790	0.01409	228,100.00	114,050.00	3,969.32	1,002.47	-	2,966.85	1,440,380	(11)	(2,831.20)	1,437,548
5/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02828	0.01685	228,100.00	114,050.00	4,023.73	1,198.61	-	2,825.13	1,443,205	(11)	(2,831.20)	1,440,373
5/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02886	0.01959	228,100.00	114,050.00	4,106.18	1,393.73	-	2,712.45	1,445,917	(11)	(2,831.20)	1,443,086
5/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02923	0.02232	228,100.00	114,050.00	4,158.94	1,587.77	-	2,571.17	1,448,488	(11)	(2,831.20)	1,445,657
5/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02960	0.02503	228,100.00	114,050.00	4,211.70	1,780.69	-	2,431.01	1,450,919	(11)	(2,831.20)	1,448,088
5/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.02998	0.02773	228,100.00	114,050.00	4,264.47	1,972.42	-	2,292.05	1,453,211	(11)	(2,831.20)	1,450,380
5/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03035	0.03041	228,100.00	114,050.00	4,317.23	2,162.90	-	2,154.32	1,455,366	(11)	(2,831.20)	1,452,534
5/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03072	0.03307	228,100.00	114,050.00	4,369.99	2,352.09	-	2,017.90	1,457,384	(11)	(2,831.20)	1,454,552
5/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03109	0.03571	228,100.00	114,050.00	4,422.75	2,539.92	-	1,882.83	1,459,266	(11)	(2,831.20)	1,456,435
5/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03146	0.03833	228,100.00	114,050.00	4,475.52	2,726.34	-	1,749.18	1,461,016	(11)	(2,831.20)	1,458,184
5/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03183	0.04093	228,100.00	114,050.00	4,528.28	2,911.29	-	1,616.99	1,462,633	(11)	(2,831.20)	1,459,801
5/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03220	0.04351	228,100.00	114,050.00	4,581.04	3,094.71	-	1,486.33	1,464,119	(11)	(2,831.20)	1,461,288
5/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03257	0.04606	228,100.00	114,050.00	4,633.80	3,276.56	-	1,357.24	1,465,476	(11)	(2,831.20)	1,462,645
5/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03294	0.04860	228,100.00	114,050.00	4,686.57	3,456.79	-	1,229.78	1,466,706	(11)	(2,831.20)	1,463,875
5/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03331	0.05111	228,100.00	114,050.00	4,739.33	3,635.32	-	1,104.01	1,467,810	(11)	(2,831.20)	1,464,979
5/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03368	0.05359	228,100.00	114,050.00	4,792.09	3,812.12	-	979.97	1,468,790	(11)	(2,831.20)	1,465,959
5/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05605	228,100.00	114,050.00	4,844.86	3,987.13	-	857.72	1,469,648	(11)	(2,831.20)	1,466,816
5/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03406	0.05849	228,100.00	114,050.00	4,844.86	4,160.30	-	684.55	1,470,332	(11)	(2,831.20)	1,467,501
5/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03443	0.06089	228,100.00	114,050.00	4,897.62	4,331.58	-	566.04	1,470,898	(11)	(2,831.20)	1,468,067
5/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03527	0.06328	228,100.00	114,050.00	5,016.98	4,500.92	-	516.07	1,471,414	(11)	(2,831.20)	1,468,583
5/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03610	0.06563	228,100.00	114,050.00	5,136.35	4,668.26	-	468.09	1,471,882	(11)	(2,831.20)	1,469,051
5/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03657	0.06795	228,100.00	114,050.00	5,202.95	4,833.56	-	369.39	1,472,252	(11)	(2,831.20)	1,469,421
5/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03704	0.07025	228,100.00	114,050.00	5,269.55	4,996.76	-	272.78	1,472,525	(11)	(2,831.20)	1,469,693
5/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03751	0.07251	228,100.00	114,050.00	5,336.15	5,157.83	-	178.32	1,472,703	(11)	(2,831.20)	1,469,872
5/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03798	0.07474	228,100.00	114,050.00	5,402.75	5,316.71	-	86.04	1,472,789	(11)	(2,831.20)	1,469,958
5/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03844	0.07695	228,100.00	114,050.00	5,469.35	5,473.35	-	(4.01)	1,472,785	(11)	(2,831.20)	1,469,954
5/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03891	0.07912	228,100.00	114,050.00	5,535.95	5,627.72	-	(91.77)	1,472,693	(11)	(2,831.20)	1,469,862
5/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03938	0.08125	228,100.00	114,050.00	5,602.55	5,779.75	-	(177.20)	1,472,516	(11)	(2,831.20)	1,469,685
5/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.03985	0.08336	228,100.00	114,050.00	5,669.15	5,929.42	-	(260.27)	1,472,256	(11)	(2,831.20)	1,469,424
5/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04032	0.08543	228,100.00	114,050.00	5,735.75	6,076.66	-	(340.91)	1,471,915	(11)	(2,831.20)	1,469,084
5/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04079	0.08746	228,100.00	114,050.00	5,802.35	6,221.45	-	(419.10)	1,471,496	(11)	(2,831.20)	1,468,664
5/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04125	0.08946	228,100.00	114,050.00	5,868.95	6,363.73	-	(494.79)	1,471,001	(11)	(2,831.20)	1,468,170
6/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04172	0.09143	228,100.00	114,050.00	5,935.55	6,503.47	-	(567.92)	1,470,433	(11)	(2,831.20)	1,467,602
6/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04219	0.09336	228,100.00	114,050.00	6,002.15	6,640.63	-	(638.48)	1,469,794	(11)	(2,831.20)	1,466,963
6/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04289	0.09525	228,100.00	114,050.00	6,102.05	6,775.15	-	(673.10)	1,469,121	(11)	(2,831.20)	1,466,290
6/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04337	0.09710	228,100.00	114,050.00	6,170.73	6,907.01	-	(736.28)	1,468,385	(11)	(2,831.20)	1,465,554
6/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04386	0.09892	228,100.00	114,050.00	6,239.41	7,036.16	-	(796.75)	1,467,588	(11)	(2,831.20)	1,464,757
6/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04434	0.10069	228,100.00	114,050.00	6,308.09	7,162.57	-	(854.47)	1,466,734	(11)	(2,831.20)	1,463,903
6/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04482	0.10243	228,100.00	114,050.00	6,376.78	7,286.19	-	(909.42)	1,465,824	(11)	(2,831.20)	1,462,993
6/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04531	0.10413	228,100.00	114,050.00	6,445.46	7,407.00	-	(961.54)	1,464,863	(11)	(2,831.20)	1,462,032
6/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04579	0.10579	228,100.00	114,050.00	6,514.14	7,524.95	-	(1,010.81)	1,463,852	(11)	(2,831.20)	1,461,021
6/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04627	0.10741	228,100.00	114,050.00	6,582.82	7,640.02	-	(1,057.19)	1,462,795	(11)	(2,831.20)	1,459,964
6/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04675	0.10898	228,100.00	114,050.00	6,651.50	7,752.16	-	(1,100.65)	1,461,694	(11)	(2,831.20)	1,458,863
6/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04724	0.11052	228,100.00	114,050.00	6,720.18	7,861.34	-	(1,141.15)	1,460,553	(11)	(2,831.20)	1,457,722
6/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04772	0.11201	228,100.00	114,050.00	6,788.87	7,967.53	-	(1,178.67)	1,459,374	(11)	(2,831.20)	1,456,543
6/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04820	0.11346	228,100.00	114,050.00	6,857.55	8,070.71	-	(1,213.16)	1,458,161	(11)	(2,831.20)	1,455,330
6/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04869	0.11487	228,100.00	114,050.00	6,926.23	8,170.83	-	(1,244.60)	1,456,917	(11)	(2,831.20)	1,454,085
6/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04917	0.11623	228,100.00	114,050.00	6,994.91	8,267.87	-	(1,272.96)	1,455,644	(11)	(2,831.20)	1,452,813
6/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04965	0.11755	228,100.00	114,050.00	7,063.59	8,361.81	-	(1,298.21)	1,454,346	(11)	(2,831.20)	1,451,514

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2010 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
6/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05147	0.11883	228,100.00	114,050.00	7,322.31	8,452.60	-	(1,130.29)	1,453,215	(11)	(2,831.20)	1,450,384
6/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05329	0.12006	228,100.00	114,050.00	7,581.03	8,540.23	-	(959.20)	1,452,256	(11)	(2,831.20)	1,449,425
6/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05462	0.12125	228,100.00	114,050.00	7,771.07	8,624.67	-	(853.61)	1,451,402	(11)	(2,831.20)	1,448,571
6/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05596	0.12239	228,100.00	114,050.00	7,961.11	8,705.90	-	(744.79)	1,450,658	(11)	(2,831.20)	1,447,826
6/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05730	0.12349	228,100.00	114,050.00	8,151.14	8,783.89	-	(632.74)	1,450,025	(11)	(2,831.20)	1,447,194
6/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05863	0.12454	228,100.00	114,050.00	8,341.18	8,858.61	-	(517.43)	1,449,507	(11)	(2,831.20)	1,446,676
6/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05997	0.12554	228,100.00	114,050.00	8,531.22	8,930.05	-	(398.83)	1,449,109	(11)	(2,831.20)	1,446,277
6/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06130	0.12650	228,100.00	114,050.00	8,721.26	8,998.19	-	(276.93)	1,448,832	(11)	(2,831.20)	1,446,000
6/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06264	0.12741	228,100.00	114,050.00	8,911.29	9,062.99	-	(151.70)	1,448,680	(11)	(2,831.20)	1,445,849
6/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06397	0.12827	228,100.00	114,050.00	9,101.33	9,124.46	-	(23.13)	1,448,657	(11)	(2,831.20)	1,445,826
6/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06531	0.12909	228,100.00	114,050.00	9,291.37	9,182.56	-	108.81	1,448,766	(11)	(2,831.20)	1,445,934
6/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06665	0.12986	228,100.00	114,050.00	9,481.41	9,237.28	-	244.13	1,449,010	(11)	(2,831.20)	1,446,179
6/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06798	0.13058	228,100.00	114,050.00	9,671.44	9,288.60	-	382.84	1,449,393	(11)	(2,831.20)	1,446,561
7/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06932	0.13126	228,100.00	114,050.00	9,861.48	9,336.51	-	524.97	1,449,918	(11)	(2,831.20)	1,447,086
7/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07065	0.13188	228,100.00	114,050.00	10,051.52	9,381.00	-	670.52	1,450,588	(11)	(2,831.20)	1,447,757
7/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07199	0.13246	228,100.00	114,050.00	10,241.56	9,422.04	-	819.51	1,451,408	(11)	(2,831.20)	1,448,576
7/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07333	0.13299	228,100.00	114,050.00	10,431.59	9,459.64	-	971.95	1,452,380	(11)	(2,831.20)	1,449,548
7/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07466	0.13347	228,100.00	114,050.00	10,621.63	9,493.77	-	1,127.86	1,453,507	(11)	(2,831.20)	1,450,676
7/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07600	0.13390	228,100.00	114,050.00	10,811.67	9,524.43	-	1,287.24	1,454,795	(11)	(2,831.20)	1,451,963
7/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07733	0.13428	228,100.00	114,050.00	11,001.71	9,551.61	-	1,450.10	1,456,245	(11)	(2,831.20)	1,453,414
7/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07867	0.13461	228,100.00	114,050.00	11,191.74	9,575.30	-	1,616.45	1,457,861	(11)	(2,831.20)	1,455,030
7/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08000	0.13490	228,100.00	114,050.00	11,381.78	9,595.49	-	1,786.29	1,459,648	(11)	(2,831.20)	1,456,816
7/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08134	0.13513	228,100.00	114,050.00	11,571.82	9,612.18	-	1,959.64	1,461,607	(11)	(2,831.20)	1,458,776
7/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08268	0.13532	228,100.00	114,050.00	11,761.86	9,625.36	-	2,136.50	1,463,744	(11)	(2,831.20)	1,460,912
7/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08401	0.13545	228,100.00	114,050.00	11,951.90	9,635.02	-	2,316.87	1,466,061	(11)	(2,831.20)	1,463,229
7/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08535	0.13554	228,100.00	114,050.00	12,141.93	9,641.18	-	2,500.75	1,468,561	(11)	(2,831.20)	1,465,730
7/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08668	0.13558	228,100.00	114,050.00	12,331.97	9,643.82	-	2,688.15	1,471,249	(11)	(2,831.20)	1,468,418
7/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08802	0.13556	228,100.00	114,050.00	12,522.01	9,642.94	-	2,879.07	1,474,129	(11)	(2,831.20)	1,471,297
7/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08935	0.13550	228,100.00	114,050.00	12,712.05	9,638.54	-	3,073.50	1,477,202	(11)	(2,831.20)	1,474,371
7/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09069	0.13539	228,100.00	114,050.00	12,902.08	9,630.63	-	3,271.45	1,480,473	(11)	(2,831.20)	1,477,642
7/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09203	0.13523	228,100.00	114,050.00	13,092.12	9,619.20	-	3,472.92	1,483,946	(11)	(2,831.20)	1,481,115
7/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09324	0.13502	228,100.00	114,050.00	13,265.41	9,604.27	-	3,661.14	1,487,608	(11)	(2,831.20)	1,484,776
7/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09313	0.13476	228,100.00	114,050.00	13,248.66	9,585.83	-	3,662.83	1,491,270	(11)	(2,831.20)	1,488,439
7/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09301	0.13445	228,100.00	114,050.00	13,231.90	9,563.89	-	3,668.01	1,494,938	(11)	(2,831.20)	1,492,107
7/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09289	0.13409	228,100.00	114,050.00	13,215.15	9,538.46	-	3,676.70	1,498,615	(11)	(2,831.20)	1,495,784
7/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09277	0.13369	228,100.00	114,050.00	13,198.40	9,509.54	-	3,688.86	1,502,304	(11)	(2,831.20)	1,499,473
7/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09266	0.13323	228,100.00	114,050.00	13,181.65	9,477.14	-	3,704.51	1,506,008	(11)	(2,831.20)	1,503,177
7/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09254	0.13273	228,100.00	114,050.00	13,164.90	9,441.27	-	3,723.62	1,509,732	(11)	(2,831.20)	1,506,901
7/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09242	0.13218	228,100.00	114,050.00	13,148.15	9,401.95	-	3,746.19	1,513,478	(11)	(2,831.20)	1,510,647
7/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09230	0.13157	228,100.00	114,050.00	13,131.39	9,359.19	-	3,772.21	1,517,250	(11)	(2,831.20)	1,514,419
7/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09218	0.13092	228,100.00	114,050.00	13,114.64	9,312.99	-	3,801.66	1,521,052	(11)	(2,831.20)	1,518,221
7/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09207	0.13023	228,100.00	114,050.00	13,097.89	9,263.37	-	3,834.52	1,524,887	(11)	(2,831.20)	1,522,055
7/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09195	0.12948	228,100.00	114,050.00	13,081.14	9,210.34	-	3,870.80	1,528,757	(11)	(2,831.20)	1,525,926
7/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09183	0.12869	228,100.00	114,050.00	13,064.39	9,153.93	-	3,910.46	1,532,668	(11)	(2,831.20)	1,529,837
8/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09171	0.12785	228,100.00	114,050.00	13,047.64	9,094.15	-	3,953.49	1,536,621	(11)	(2,831.20)	1,533,790
8/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09160	0.12696	228,100.00	114,050.00	13,030.88	9,031.01	-	3,999.88	1,540,621	(11)	(2,831.20)	1,537,790
8/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09148	0.12603	228,100.00	114,050.00	13,014.13	8,964.53	-	4,049.60	1,544,671	(11)	(2,831.20)	1,541,840
8/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09136	0.12504	228,100.00	114,050.00	12,997.38	8,894.74	-	4,102.64	1,548,774	(11)	(2,831.20)	1,545,942
8/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09124	0.12402	228,100.00	114,050.00	12,980.63	8,821.66	-	4,158.97	1,552,932	(11)	(2,831.20)	1,550,101
8/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09112	0.12294	228,100.00	114,050.00	12,963.88	8,745.30	-	4,218.58	1,557,151	(11)	(2,831.20)	1,554,320
8/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09101	0.12182	228,100.00	114,050.00	12,947.13	8,665.69	-	4,281.44	1,561,432	(11)	(2,831.20)	1,558,601
8/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09089	0.12066	228,100.00	114,050.00	12,930.37	8,582.85	-	4,347.52	1,565,780	(11)	(2,831.20)	1,562,949
8/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09077	0.11945	228,100.00	114,050.00	12,913.62	8,496.81	-	4,416.81	1,570,197	(11)	(2,831.20)	1,567,366
8/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09065	0.11820	228,100.00	114,050.00	12,896.87	8,407.60	-	4,489.27	1,574,686	(11)	(2,831.20)	1,571,855
8/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09054	0.11690	228,100.00	114,050.00	12,880.12	8,315.23	-	4,564.89	1,579,251	(11)	(2,831.20)	1,576,420
8/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09042	0.11556	228,100.00	114,050.00	12,863.37	8,219.74	-	4,643.63	1,583,895	(11)	(2,831.20)	1,581,063
8/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09030	0.11417	228,100.00	114,050.00	12,846.62	8,121.15	-	4,725.47	1,588,620	(11)	(2,831.20)	1,585,789
8/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09018	0.11274	228,100.00	114,050.00	12,829.87	8,019.50	-	4,810.37	1,593,430	(11)	(2,831.20)	1,590,599
8/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09007	0.11127	228,100.00	114,050.00	12,813.11	7,914.81	-	4,898.30	1,598,329	(11)	(2,831.20)	1,595,498
8/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08995	0.10975	228,100.00	114,050.00	12,796.36	7,807.12	-	4,989.24	1,603,318	(11)	(2,831.20)	1,600,487
8/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08983	0.10820	228,100.00	114,050.00	12,779.61	7,696.45	-	5,083.16	1,608,401	(11)	(2,831.20)	1,605,570
8/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08971	0.10660	228,100.00	114,050.00	12,762.86	7,582.85	-	5,180.01	1,613,581	(11)	(2,831.20)	1,610,750
8/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08980	0.10496	228,100.00	114,050.00	12,774.77	7,466.33	-	5,308.44	1,618,890	(11)	(2,831.20)	1,616,058
8/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09000	0.10329	228,100.00	114,050.00	12,803.43	7,346.95	-	5,456.48	1,624,346	(11)	(2,831.20)	1,621,515
8/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09020	0.10157	228,100.00	114,050.00	12,832.10	7,224.73	-	5,607.37	1,629,953	(11)	(2,831.20)	1,627,122
8/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09040	0.09981	228,100.00	114,050.00	12,860.76	7,099.71	-	5,761.05	1,635,715	(11)	(2,831.20)	1,632,883
8/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09060	0.09801	228,100.00	114,050.00	12,889.43	6,971.92	-	5,917.50	1,641,632	(11)	(2,831.20)	1,638,801
8/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09080	0.09618	228,100.00	114,050.00	12,918.09	6,841.41	-	6,076.68	1,647,709	(11)	(2,831.20)	1,644,877
8/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09100	0.09431	228,100.00	114,050.00	12,946.75	6,708.22	-	6,238.54	1,653,947	(11)	(2,831.20)	1,651,116
8/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09121	0.09240	228,100.00	114,050.00	12,975.42	6,572.37	-	6,403.04	1,660,350	(11)	(2,831.20)	1,657,519
8/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09141	0.09045	228,100.00	114,050.00	13,004.08	6,433.92	-	6,570.16	1,666,920	(11)	(2,831.20)	1,664,089
8/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09161	0.08847	228,100.00	114,050.00	13,032.75	6,292.91	-	6,739.84	1,673,660	(11)	(2,831.20)	1,670,829
8/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09181	0.08645	228,100.00	114,050.00	13,061.41	6,149.37	-	6,912.04	1,680,572	(11)	(2,831.20)	1,677,741
8/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09201	0.08440	228,100.00	114,050.00	13,090.07	6,003.34	-	7,086.73	1,687,659	(11)	(2,831.20)	1,684,828
8/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09221	0.08231	228,100.00	114,050.00	13,118.74	5,854.88	-	7,263.85	1,694,923	(11)	(2,831.20)	1,692,092
9/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09241	0.08019	228,100.00	114,050.00	13,147.40	5,704.03	-	7,443.37	1,702,366	(11)	(2,831.20)	1,699,535
9/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09262	0.07803	228,100.00	114,050.00	13,176.06	5,550.82	-	7,625.24	1,709,991	(11)	(2,831.20)	1,707,160
9/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09282	0.07585	228,100.00	114,050.00	13,204.73	5,395.31	-	7,809.42	1,717,801	(11)	(2,831.20)	1,714,970
9/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09302	0.07363	228,100.00	114,050.00	13,233.39	5,237.55	-	7,995.85	1,725,797	(11)	(2,831.20)	1,722,966
9/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09322	0.07138	228,100.00	114,050.00	13,262.06	5,077.57	-	8,184.49	1,733,981	(11)	(2,831.20)	1,731,150
9/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09342	0.06910	228,100.00	114,050.00	13,290.72	4,915.42	-	8,375.30	1,742,357	(11)	(2,831.20)	1,739,525
9/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09362	0.06679	228,100.00	114,050.00	13,319.38	4,751.17	-	8,568.22	1,750,925	(11)	(2,831.20)	1,748,094

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2010 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
9/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09383	0.06445	228,100.00	114,050.00	13,348.05	4,584.84	-	8,763.21	1,759,688	(11)	(2,831.20)	1,756,857
9/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09403	0.06209	228,100.00	114,050.00	13,376.71	4,416.49	-	8,960.22	1,768,648	(11)	(2,831.20)	1,765,817
9/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09423	0.05969	228,100.00	114,050.00	13,405.38	4,246.18	-	9,159.19	1,777,807	(11)	(2,831.20)	1,774,976
9/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09443	0.05727	228,100.00	114,050.00	13,434.04	4,073.95	-	9,360.09	1,787,167	(11)	(2,831.20)	1,784,336
9/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09463	0.05483	228,100.00	114,050.00	13,462.70	3,899.85	-	9,562.85	1,796,730	(11)	(2,831.20)	1,793,899
9/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09483	0.05235	228,100.00	114,050.00	13,491.37	3,723.94	-	9,767.43	1,806,498	(11)	(2,831.20)	1,803,667
9/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09503	0.04985	228,100.00	114,050.00	13,520.03	3,546.27	-	9,973.76	1,816,472	(11)	(2,831.20)	1,813,640
9/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09524	0.04733	228,100.00	114,050.00	13,548.70	3,366.88	108,000.00	(97,818.19)	1,718,653	(11)	(2,831.20)	1,715,822
9/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09544	0.04479	228,100.00	114,050.00	13,577.36	3,185.84	108,000.00	(97,608.48)	1,621,045	(11)	(2,831.20)	1,618,214
9/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09564	0.04222	228,100.00	114,050.00	13,606.02	3,003.19	108,000.00	(97,397.17)	1,523,648	(11)	(2,831.20)	1,520,816
9/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09453	0.03963	228,100.00	114,050.00	13,447.81	2,819.00	108,000.00	(97,371.18)	1,426,276	(11)	(2,831.20)	1,423,445
9/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09341	0.03702	228,100.00	114,050.00	13,289.60	2,633.31	108,000.00	(97,343.70)	1,328,933	(11)	(2,831.20)	1,326,102
9/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09210	0.03439	228,100.00	114,050.00	13,102.73	2,446.18	108,000.00	(97,343.45)	1,231,589	(11)	(2,831.20)	1,228,758
9/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.09079	0.03174	228,100.00	114,050.00	12,915.86	2,257.66	108,000.00	(97,341.81)	1,134,248	(11)	(2,831.20)	1,131,416
9/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08947	0.02907	228,100.00	114,050.00	12,728.98	2,067.82	108,000.00	(97,338.84)	1,036,909	(11)	(2,831.20)	1,034,077
9/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08816	0.02638	228,100.00	114,050.00	12,542.11	1,876.71	108,000.00	(97,334.60)	939,574	(11)	(2,831.20)	936,743
9/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08685	0.02368	228,100.00	114,050.00	12,355.24	1,684.38	108,000.00	(97,329.14)	842,245	(11)	(2,831.20)	839,414
9/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08553	0.02096	228,100.00	114,050.00	12,168.36	1,490.89	108,000.00	(97,322.52)	744,922	(11)	(2,831.20)	742,091
9/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08422	0.01822	228,100.00	114,050.00	11,981.49	1,296.30	108,000.00	(97,314.81)	647,608	(11)	(2,831.20)	644,776
9/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08291	0.01547	228,100.00	114,050.00	11,794.62	1,100.66	108,000.00	(97,306.05)	550,302	(11)	(2,831.20)	547,470
9/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08159	0.01271	228,100.00	114,050.00	11,607.74	904.04	108,000.00	(97,296.30)	453,005	(11)	(2,831.20)	450,174
9/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.08028	0.00993	228,100.00	114,050.00	11,420.87	706.50	108,000.00	(97,285.63)	355,720	(11)	(2,831.20)	352,888
9/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07897	0.00714	228,100.00	114,050.00	11,234.00	508.08	108,000.00	(97,274.08)	258,446	(11)	(2,831.20)	255,614
10/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07765	0.00434	228,100.00	114,050.00	11,047.12	308.85	108,000.00	(97,261.73)	161,184	(11)	(2,831.20)	158,353
10/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07634	0.00153	228,100.00	114,050.00	10,860.25	108.88	-	10,751.37	171,935	(11)	(2,831.20)	169,104
10/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07502	0.00000	228,100.00	114,050.00	10,673.38	-	-	10,673.38	182,609	(11)	(2,831.20)	179,777
10/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07371	0.00000	228,100.00	114,050.00	10,486.50	-	-	10,486.50	193,095	(11)	(2,831.20)	190,264
10/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07240	0.00000	228,100.00	114,050.00	10,299.63	-	-	10,299.63	203,395	(11)	(2,831.20)	200,564
10/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.07108	0.00000	228,100.00	114,050.00	10,112.76	-	-	10,112.76	213,507	(11)	(2,831.20)	210,676
10/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06977	0.00000	228,100.00	114,050.00	9,925.88	-	-	9,925.88	223,433	(11)	(2,831.20)	220,602
10/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06846	0.00000	228,100.00	114,050.00	9,739.01	-	-	9,739.01	233,172	(11)	(2,831.20)	230,341
10/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06714	0.00000	228,100.00	114,050.00	9,552.14	-	-	9,552.14	242,725	(11)	(2,831.20)	239,893
10/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06583	0.00000	228,100.00	114,050.00	9,365.26	-	-	9,365.26	252,090	(11)	(2,831.20)	249,259
10/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06452	0.00000	228,100.00	114,050.00	9,178.39	-	-	9,178.39	261,268	(11)	(2,831.20)	258,437
10/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06320	0.00000	228,100.00	114,050.00	8,991.51	-	-	8,991.51	270,260	(11)	(2,831.20)	267,428
10/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06189	0.00000	228,100.00	114,050.00	8,804.64	-	-	8,804.64	279,064	(11)	(2,831.20)	276,233
10/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.06058	0.00000	228,100.00	114,050.00	8,617.77	-	-	8,617.77	287,682	(11)	(2,831.20)	284,851
10/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05926	0.00000	228,100.00	114,050.00	8,430.89	-	-	8,430.89	296,113	(11)	(2,831.20)	293,282
10/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05795	0.00000	228,100.00	114,050.00	8,244.02	-	-	8,244.02	304,357	(11)	(2,831.20)	301,526
10/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05663	0.00000	228,100.00	114,050.00	8,057.15	-	-	8,057.15	312,414	(11)	(2,831.20)	309,583
10/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05532	0.00000	228,100.00	114,050.00	7,870.27	-	-	7,870.27	320,284	(11)	(2,831.20)	317,453
10/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05397	0.00000	228,100.00	114,050.00	7,677.94	-	-	7,677.94	327,962	(11)	(2,831.20)	325,131
10/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05393	0.00000	228,100.00	114,050.00	7,672.48	-	-	7,672.48	335,635	(11)	(2,831.20)	332,804
10/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05389	0.00000	228,100.00	114,050.00	7,667.02	-	-	7,667.02	343,302	(11)	(2,831.20)	340,471
10/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05385	0.00000	228,100.00	114,050.00	7,661.56	-	-	7,661.56	350,963	(11)	(2,831.20)	348,132
10/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05382	0.00000	228,100.00	114,050.00	7,656.10	-	-	7,656.10	358,620	(11)	(2,831.20)	355,788
10/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05378	0.00000	228,100.00	114,050.00	7,650.64	-	-	7,650.64	366,270	(11)	(2,831.20)	363,439
10/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05374	0.00000	228,100.00	114,050.00	7,645.18	-	-	7,645.18	373,915	(11)	(2,831.20)	371,084
10/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05370	0.00000	228,100.00	114,050.00	7,639.72	-	-	7,639.72	381,555	(11)	(2,831.20)	378,724
10/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05366	0.00000	228,100.00	114,050.00	7,634.26	-	-	7,634.26	389,189	(11)	(2,831.20)	386,358
10/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05362	0.00000	228,100.00	114,050.00	7,628.80	-	-	7,628.80	396,818	(11)	(2,831.20)	393,987
10/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05359	0.00000	228,100.00	114,050.00	7,623.34	-	-	7,623.34	404,441	(11)	(2,831.20)	401,610
10/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05355	0.00000	228,100.00	114,050.00	7,617.88	-	-	7,617.88	412,059	(11)	(2,831.20)	409,228
10/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05351	0.00000	228,100.00	114,050.00	7,612.42	-	-	7,612.42	419,672	(11)	(2,831.20)	416,841
11/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05347	0.00000	228,100.00	114,050.00	7,606.96	-	-	7,606.96	427,279	(11)	(2,831.20)	424,448
11/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05343	0.00000	228,100.00	114,050.00	7,601.50	-	-	7,601.50	434,880	(11)	(2,831.20)	432,049
11/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05339	0.00000	228,100.00	114,050.00	7,596.04	-	-	7,596.04	442,476	(11)	(2,831.20)	439,645
11/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05336	0.00000	228,100.00	114,050.00	7,590.58	-	-	7,590.58	450,067	(11)	(2,831.20)	447,236
11/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05332	0.00000	228,100.00	114,050.00	7,585.12	-	-	7,585.12	457,652	(11)	(2,831.20)	454,821
11/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05328	0.00000	228,100.00	114,050.00	7,579.67	-	-	7,579.67	465,232	(11)	(2,831.20)	462,400
11/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05324	0.00000	228,100.00	114,050.00	7,574.21	-	-	7,574.21	472,806	(11)	(2,831.20)	469,975
11/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05320	0.00000	228,100.00	114,050.00	7,568.75	-	-	7,568.75	480,375	(11)	(2,831.20)	477,543
11/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,563.29	-	-	7,563.29	487,938	(11)	(2,831.20)	485,107
11/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.83	-	-	7,557.83	495,496	(11)	(2,831.20)	492,665
11/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05309	0.00000	228,100.00	114,050.00	7,552.37	-	-	7,552.37	503,048	(11)	(2,831.20)	500,217
11/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-	-	7,546.91	510,595	(11)	(2,831.20)	507,764
11/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.45	-	-	7,541.45	518,136	(11)	(2,831.20)	515,305
11/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,535.99	-	-	7,535.99	525,672	(11)	(2,831.20)	522,841
11/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,530.53	-	-	7,530.53	533,203	(11)	(2,831.20)	530,372
11/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,525.07	-	-	7,525.07	540,728	(11)	(2,831.20)	537,897
11/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05286	0.00000	228,100.00	114,050.00	7,519.61	-	-	7,519.61	548,248	(11)	(2,831.20)	545,416
11/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.89	-	-	7,515.89	555,764	(11)	(2,831.20)	552,932
11/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05280	0.00000	228,100.00	114,050.00	7,512.16	-	-	7,512.16	563,276	(11)	(2,831.20)	560,444
11/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05282	0.00000	228,100.00	114,050.00	7,513.90	-	-	7,513.90	570,790	(11)	(2,831.20)	567,958
11/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05283	0.00000	228,100.00	114,050.00	7,515.64	-	-	7,515.64	578,305	(11)	(2,831.20)	575,474
11/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05284	0.00000	228,100.00	114,050.00	7,517.37	-	-	7,517.37	585,823	(11)	(2,831.20)	582,991
11/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05285	0.00000	228,100.00	114,050.00	7,519.11	-	-	7,519.11	593,342	(11)	(2,831.20)	590,511
11/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05287	0.00000	228,100.00	114,050.00	7,520.85	-	-	7,520.85	600,863	(11)	(2,831.20)	598,031
11/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05288	0.00000	228,100.00	114,050.00	7,522.59	-	-	7,522.59	608,385	(11)	(2,831.20)	605,554
11/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05289	0.00000	228,100.00	114,050.00	7,524.32	-	-	7,524.32	615,909	(11)	(2,831.20)	613,078
11/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05290	0.00000	228,100.00	114,050.00	7,526.06	-	-	7,526.06	623,436	(11)	(2,831.20)	620,604
11/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05291	0.00000	228,100.00	114,050.00	7,527.80	-	-	7,527.80	630,963	(11)	(2,831.20)	628,132

Appendix G
Water Balance Calculations
Nixon Fork Project

Run-of-mine ore milled Jan. 1 - Dec. 31 @ 150 tonnes per day
NGI Tailings milled - none

2010 Days	Tonnes/day Dry Feed	Moisture %	Water Tonnes	Copper Concentrate % Moisture	Water in Copper Concentrate Tonnes	Ore Filter Cake Moisture	Filter Cake Water Bleed Tonnes	Process Water Return Tonnes	Precipitation inches	Evaporation Inches	Area Ft2 Precipitation	Area Ft2 Evaporation	Precipitation Gallons	Evaporation Gallons	Land Application Gallons 100	Net Gallons	Cumulative Gallons	Fresh Water Additions Tonnes	Fresh Water Additions Gallons	Cumulative
11/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05293	0.00000	228,100.00	114,050.00	7,529.53	-	-	7,529.53	638,493	(11)	(2,831.20)	635,662
11/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05294	0.00000	228,100.00	114,050.00	7,531.27	-	-	7,531.27	646,024	(11)	(2,831.20)	643,193
12/1/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05295	0.00000	228,100.00	114,050.00	7,533.01	-	-	7,533.01	653,557	(11)	(2,831.20)	650,726
12/2/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05296	0.00000	228,100.00	114,050.00	7,534.75	-	-	7,534.75	661,092	(11)	(2,831.20)	658,261
12/3/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05297	0.00000	228,100.00	114,050.00	7,536.48	-	-	7,536.48	668,628	(11)	(2,831.20)	665,797
12/4/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05299	0.00000	228,100.00	114,050.00	7,538.22	-	-	7,538.22	676,167	(11)	(2,831.20)	673,335
12/5/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05300	0.00000	228,100.00	114,050.00	7,539.96	-	-	7,539.96	683,707	(11)	(2,831.20)	680,875
12/6/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05301	0.00000	228,100.00	114,050.00	7,541.69	-	-	7,541.69	691,248	(11)	(2,831.20)	688,417
12/7/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05302	0.00000	228,100.00	114,050.00	7,543.43	-	-	7,543.43	698,792	(11)	(2,831.20)	695,960
12/8/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05304	0.00000	228,100.00	114,050.00	7,545.17	-	-	7,545.17	706,337	(11)	(2,831.20)	703,506
12/9/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05305	0.00000	228,100.00	114,050.00	7,546.91	-	-	7,546.91	713,884	(11)	(2,831.20)	711,053
12/10/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05306	0.00000	228,100.00	114,050.00	7,548.64	-	-	7,548.64	721,432	(11)	(2,831.20)	718,601
12/11/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05307	0.00000	228,100.00	114,050.00	7,550.38	-	-	7,550.38	728,983	(11)	(2,831.20)	726,152
12/12/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05308	0.00000	228,100.00	114,050.00	7,552.12	-	-	7,552.12	736,535	(11)	(2,831.20)	733,704
12/13/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05310	0.00000	228,100.00	114,050.00	7,553.86	-	-	7,553.86	744,089	(11)	(2,831.20)	741,258
12/14/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05311	0.00000	228,100.00	114,050.00	7,555.59	-	-	7,555.59	751,644	(11)	(2,831.20)	748,813
12/15/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05312	0.00000	228,100.00	114,050.00	7,557.33	-	-	7,557.33	759,202	(11)	(2,831.20)	756,370
12/16/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05313	0.00000	228,100.00	114,050.00	7,559.07	-	-	7,559.07	766,761	(11)	(2,831.20)	763,930
12/17/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05315	0.00000	228,100.00	114,050.00	7,560.80	-	-	7,560.80	774,322	(11)	(2,831.20)	771,490
12/18/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05316	0.00000	228,100.00	114,050.00	7,562.54	-	-	7,562.54	781,884	(11)	(2,831.20)	779,053
12/19/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05262	0.00000	228,100.00	114,050.00	7,486.10	-	-	7,486.10	789,370	(11)	(2,831.20)	786,539
12/20/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05207	0.00000	228,100.00	114,050.00	7,407.93	-	-	7,407.93	796,778	(11)	(2,831.20)	793,947
12/21/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05152	0.00000	228,100.00	114,050.00	7,329.76	-	-	7,329.76	804,108	(11)	(2,831.20)	801,277
12/22/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05097	0.00000	228,100.00	114,050.00	7,251.58	-	-	7,251.58	811,359	(11)	(2,831.20)	808,528
12/23/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.05042	0.00000	228,100.00	114,050.00	7,173.41	-	-	7,173.41	818,533	(11)	(2,831.20)	815,702
12/24/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04987	0.00000	228,100.00	114,050.00	7,095.23	-	-	7,095.23	825,628	(11)	(2,831.20)	822,797
12/25/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04932	0.00000	228,100.00	114,050.00	7,017.06	-	-	7,017.06	832,645	(11)	(2,831.20)	829,814
12/26/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04877	0.00000	228,100.00	114,050.00	6,938.89	-	-	6,938.89	839,584	(11)	(2,831.20)	836,753
12/27/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04822	0.00000	228,100.00	114,050.00	6,860.71	-	-	6,860.71	846,445	(11)	(2,831.20)	843,614
12/28/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04768	0.00000	228,100.00	114,050.00	6,782.54	-	-	6,782.54	853,227	(11)	(2,831.20)	850,396
12/29/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04713	0.00000	228,100.00	114,050.00	6,704.36	-	-	6,704.36	859,932	(11)	(2,831.20)	857,100
12/30/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04658	0.00000	228,100.00	114,050.00	6,626.19	-	-	6,626.19	866,558	(11)	(2,831.20)	863,727
12/31/2010	150	7%	11.29	12%	0.6	15%	21.43	-10.7	0.04603	0.00000	228,100.00	114,050.00	6,548.01	-	-	6,548.01	873,106	(11)	(2,831.20)	870,275
			1704.84		88.25			-1619.12					742026.20	124367.78		617658.42		-1619.12	-427511.76	
			1727.42		89.42			-1640.57					1657482.97	872812.06	4536000.00	-1051329.09		-1640.57	-433174.17	
			688.71		35.65			-654.08					453434.08	0.00		453434.08		-654.08	-172703.43	

Appendix H

Processed Tailings and New Tailings MWMP Analysis

Golder Associates Inc.

1750 Abbott Road, Suite 200
Anchorage, AK USA 99507-3443
Telephone (907) 344-6001
Fax (907) 344-6011
www.golder.com

September 6, 2005

Our Ref.: 033-5632x003

Mystery Creek Resources, Inc.
221 East Street, Suite 200
Golden, Colorado 80401

Attention: Mr. Paul C. Jones, President

RE: PROCESSED TAILINGS AND NEW ORE TAILINGS METEORIC WATER MOBILITY PROCEDURE ANALYSIS NIXON FORK MINE, ALASKA

Dear Mr. Jones:

This letter presents the results of geochemical testing conducted on tailings samples that were generated from a bench scale mill process. The feed stock or material processed by the bench scale test originated from two sources. One source was the tailings that currently exist in the impoundment at the Nixon Fork Mine (Figure 1). The second feed stock was ore collected from the Crystal mine. The intent of this testing was to provide a preliminary assessment of the leaching characteristics of the tailings that resulted from the bench-scale mill testing.

Sample Collection

The existing tailings sample was collected from the tailings beach on the north side of the tailings impoundment by Mystery Creek Inc. mine personnel using a gas powered hand auger (Figure 1). The actual sample submitted for the bench scale mill test was a composite sample from 8 locations across the exposed tailings when the water level in the pond was relatively low.

The ore sample was taken by channel sampling the entire back (roof rock) in an open ore stope. This sample was thought representative of actual ore that would be mined and milled because it included all of the various rock types and grades in the stope on that level. Approximately 150 pounds of rock was collected and bagged and not processed in any manner at the site.

Sample Analysis

The tailings and ore samples were shipped to Phillips Enterprises laboratory in Golden, Colorado for bench-scale metallurgical testing. The resulting tailings were submitted to Evergreen Laboratories (Evergreen) for Meteoric Water Mobility Procedure (MWMP).

Geochemical Testing Results

MWMP results are presented in Table 1. Evergreen's analytical reports are provided as attachments to this letter. The parameters, pH, alakalinity, and bicarbonate results were not reported according to Evergreen because the measurement was either not taken or the data was simply lost.

The intent of MWMP analysis is to assess the potential for metal leaching from the Nixon Fork tailings. Metal concentrations in leachates generated by the MWMP tests were compared to the strictest water quality criterion promulgated by the State of Alaska (i.e., drinking water, stock water, irrigation water, or acute and chronic freshwater criteria). Exceedances are identified in Table 1 as bolded values. For hardness-dependent aquatic criteria, a surface water hardness of 235 mg/L (as $CaCO_3$) was assumed since the potential receiving water is groundwater. This hardness level is considered representative of site groundwater per the long-term pump tests conducted at the Nixon Fork Mine.

Comparison of leachate concentrations to regulatory criteria is considered an initial screening tool in the identification of potential constituents of concern. Although exceedances are highlighted in this report, it should not be inferred that such exceedances will therefore occur in seepage/runoff from a dry stack tailings impoundment. The results of leach tests are sensitive to the methodology used (e.g., solid to solution ratio, nature of the lixiviant). Therefore, although leach tests provide an estimation of which metals are most likely to leach from a particular material, leachate metal concentrations may exhibit some variability related to the specific test methodology used and may not be representative of field scale conditions. Actual surface water runoff and seepage quality will be affected by site-specific conditions (e.g. climate, hydrology, tailings pond configuration). Therefore, although MWMP testing results provide an indication of potential constituents of concern, they may not be indicative of future site concentrations, especially since the mill process has continued to develop since these samples were processed. Additional tailings monitoring will be conducted per the monitoring plan when the mill is operational.

Antimony, arsenic, cadmium, copper, cyanide (WAD), lead, selenium, and sulfate were all detected in MWMP leachates at levels above regulatory criteria in one or both samples samples.

Quality Assurance/Quality Control (QA/QC)

Golder Associates Inc. did not review the Evergreen laboratory reports for completeness or accuracy since limited QA/QC data was provided. In addition, each laboratory report attached was a result of pages pulled from larger reports and no attempt was made to evaluate the completeness of the partial report.

Summary

The results of testing conducted to date provide a preliminary assessment of the metal leaching potential of the tailings. However, the results from the MWMP depend entirely on the present disposition of the sample (e.g., is it unoxidized vs. oxidized; are oxidation products absent vs. present, etc.), and are not necessarily representative of leachate concentrations from the future tailings facility. Additional testing of the tailings would be required to further evaluate the leaching potential of the dry-stacked tailings.

A comparison of leachate qualities to state water quality criteria was conducted to provide context for the magnitude of leachate water quality concentrations and identify parameters of potential environmental concern. Inconsistency in MWMP results (i.e. lead, selenium and sulfate) suggest that there may be some difference between the existing tailings and ore that will cause some differences in the tailings generated by the two feed stocks to the mill. MWMP testing identified a number of constituents which may leach at elevated concentrations, specifically: antimony, arsenic, cadmium, copper, cyanide (WAD), lead, selenium, and sulfate.

Additional MWMP monitoring or more rigorous testing should be completed when the mill is in operation to better evaluate the leaching potential of various metals from the tailings that will be dry stacked or placed in the tailings impoundment.

Sincerely,

GOLDER ASSOCIATES INC.

Jan F. Deick
Senior Project Hydrogeologist

Thomas G. Krzewinski, P.E.
Principal and Senior Geotechnical Engineering Consultant

Attachments: Table 1 – Meteoric Water Modeling Procedure Results
Figure 1 – Tailings Impoundment
Evergreen Laboratory Reports (partial reports)

JFD/TGK/lcm

TABLE 1
METEORIC WATER MODELING PROCEDURE RESULTS
RE-PROCESSED TAILINGS AND NEW ORE TAILINGS
NIXON FORK MINE, ALASKA

Parameter	Strictest Potential Regulatory Criteria		Re-Processed Tailings (Sample T-31)		New Mined Ore Ore Tailings (Sample #3)	
pH	6.5 to 8.5	Aquatic	NA		NA	
Alkalinity	20 (minimum)	Aquatic	NA		NA	
Bicarbonate			NA		NA	
Aluminum	0.087 [a]	Aquatic	<0.020		<0.020	
Antimony	0.006	Drinking	**0.071**		**0.12**	
Arsenic	0.05 [e]	Drinking	**1.3**		**0.12**	
Barium	2	Drinking	0.018		0.016	
Beryllium	0.004	Drinking	<0.000093		<0.000093	
Bismuth			<0.00005		NA	
Boron	0.75	Irrigation	0.22		0.2	
Cadmium	0.00045 [b]	Aquatic	**0.0055**	J	**0.0019**	J
Calcium			13		4.6	
Chloride	230	Aquatic	14.5		19.6	
Chromium	0.1 [b,c]	Drinking Irrigation	<0.0056		<0.0056	
Cobalt	0.05	Irrigation	0.006		0.0021	J
Copper	0.018 [b]	Aquatic	**0.019**		**0.16**	
Cyanide WAD	0.0052	Aquatic	**0.019**	J	**0.0053**	J
Fluoride	1	Irrigation	0.53		0.56	
Iron	1	Aquatic	0.088		0.15	
Lead	0.0063 [b]	Aquatic	<0.0029		**0.0088**	J
Lithium	2.5	Irrigation	0.0028		0.0016	J
Magnesium			2.2		0.38	
Manganese	0.2	Irrigation	0.0022	J	0.0081	
Mercury	0.00077	Aquatic	0.00075		0.00035	
Molybdenum	0.01	Irrigation	0.0084		0.011	
Nickel	0.107 [b]	Aquatic	NA		0.0021	
Nitrate	10	Drinking	0.303	H	0.111	
Nitrite	1	Drinking	<0.023	H	0.137	
Phosphorous			0.064	J	0.027	J
Potassium			5.2		2.2	
Selenium	0.0046 [d]	Aquatic	**0.026**	J	<0.010	*
Silver	0.015 [b]	Aquatic	0.0049	J	<0.0036	
Sodium			450		85	
Strontium			0.057		0.014	
Sulfate	250 [f]	Drinking	**2,530**		50.4	
Thallium	0.002	Drinking	<0.018	*	<0.018	*
Tin			0.021	B	<0.0076	
Titanium			<0.0023		<0.0023	
Vanadium	0.1	Irrigation	<0.0029		<0.0029	
Zinc	0.269 [b]	Aquatic	0.035	B	0.023	

Notes: All concentrations reported as milligrams per liter.

NA - not applicable

Bolded cells identify exceedance of strictest regulatory criterion.

< = Concentration is less than Method Detection Limit (MDL) or Practical Quantitation Limit (Standard Reporting Limit) which ever is applied to he compound. The reporting limit was lowered to the MDL for some compounds.

[a] Criterion expressed as total recoverable concentration.

[b] Aquatic criterion is hardness dependent. A hardness of 235 mg/L as $CaCO_3$ is assumed.

[c] Drinking water criterion for total chromium is 0.1 mg/L. Aquatic chronic criteria for Cr(III) and Cr(VI) are 0.042 and 0.011 mg/L, respectively. Cr(III) criterion is hardness dependant (235 mg/L as CaCO3 assumed).

[d] Selenium criterion is based on the speciation of selenium.

[e] The arsenic maximum contaminant level (MCL) of 0.01 mg/L will become enforceable in January 2006.

[f] National Secondary Drinking Water Standards. Adopted by Alaska as enforceable standards (18 AAC 70.220).

Explanation of Data Qualifiers:

B = Analyze detected in the associated Method Blank, value not subtracted from result.

J = Value flagged as estimated by Golder Associates because the value is between the MDL and the PQL .

* = Reporting limit is higher than strictest regulatory standard.

H = Sample analyzed outside of holding time.

Whole Ore sample temperature upon arrival at Evergreen Analytical Laboratory = 21 °C.

Re-Processed Tailings sample temperature upon arrival at Evergreen Analytical Laboratory = 13 °C.

Golder Associates

Nixon Fork Mine
Near McGrath. Alaska

TITLE

Tailings Impoundment

DRAWN	JFD	DATE	September 2005	JOB NO.	033-5632x003
CHECKED	SLA	SCALE	Unknown	DWG. NO.	Figure 1.xls
REVIEWED	TGK	FILE NO.	T-31 MWMP Memo.xls	FIGURE NO.	1

Report page total including this page: 18

Evergreen
Analytical
Laboratory

November 11, 2004

Robert Phillips
Phillips Enterprises LLC
2501 Braun Drive
Golden, CO 80401

Lab Work Order: 04-8354
Client Project ID: 042004

Dear Robert Phillips:

Enclosed are the analytical results and invoice for the samples shown in the Laboratory Work Order Summary.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

Carl Smits
Technical Director of Chemical Analysis

Evergreen Analytical, Inc. 4036 Youngfield St. Wheat Ridge, CO 80033-3862 (303) 425-6021 FAX (303) 425-6854

01

WORK ORDER Summary Evergreen Analytical, Inc. 04-8354

Rpt To: Robert Phillips
Phillips Enterprises LLC
2501 Braun Drive
Golden, CO 80401
(303) 854-2037

Email To: phillips81@worldnet.att.net

11/5/04 3:31:11 PM

Client Project ID: 042004

QC Level: Level I+

Comments:

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Storage	Test Code	Test Name	Hold	MS	Date Due	Hold Time
04-8354-01A	MWMP #3	Water	11/5/04	11/5/04	C4	ANIONS_W *	Anions by IC	☐	☐	11/11/04	11/7/04
04-8354-01A	MWMP #3	Water	11/5/04	11/5/04	C4	F_W	Fluoride	☐	☐	11/11/04	12/3/04
04-8354-01B	MWMP #3	Water	11/5/04	11/5/04	C4	CN_TW	Total Cyanide	☐	☐	11/11/04	11/19/04
04-8354-01B	MWMP #3	Water	11/5/04	11/5/04	C4	CN_WAD	Weak Acid Dissociable Cyanide	☐	☐	11/11/04	11/19/04
04-8354-01C	MWMP #3	Water	11/5/04	11/5/04	C4	200.7_T *	200.7 Total Metals	☐	☐	11/11/04	5/4/05
04-8354-01C	MWMP #3	Water	11/5/04	11/5/04	C4	7470_WT	Mercury 7470 Total Water	☐	☐	11/11/04	12/3/04

Definitions: * - Test Code has a Select List

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Page 1 of 1

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

CLIENT INFORMATION

CLIENT Phillips Enterprises, LC
ADDRESS 2501 Brown Dr
CITY Golden STATE CO ZIP 80401
PHONE 303-954-2037 FAX _____ E-mail phillips81@worldnet.attnet

REPORT BY ☐ MAIL ☐ FAX ☒ EMAIL ☐ EDD
REPORT CHROMATOGRAMS ☐ YES ☒ NO
REPORT TO (Mr/Ms) R. Phillips
INVOICE TO Same
PROJECT I.D. 042004
P.O. # _____ EAL QUOTE # _____
Sampler: R J P (sign)

Report Results by: _____ (Date)*
Standard 2 working weeks ☐
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☒ 1 - 2 work days, 100%
☒ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Rush analysis subject to surcharge noted

NOTE: *Identify Known Hazards Below*

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1) Drinking Water or 2) Discharge Water or 3) Ground Water (circle one)	Soil / Solid / Air / Gas	Oil / Sludge / Wipe	TCLP VOA/BNA/Pest/Herb/Metals (circle)	VOA 624 (circle)	BNA 8270/625 (circle)	Pesticides 8081/8270/608 (circle)	Pest/PCBs 8081/8082/608 (circle)	PCB Screen 8082 mod.	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. (Gasoline)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	Oil & Grease 413.1	Oil & Grease 1664	TRPH 418.1	For Laboratory use only
MWMP #3	11/5/04	2:30	2				see attached LIST															O1
																						metals pH < 2
																						CN pH >12
Does this analysis involve property transfer			☐ Yes or ☒ No																			Sample Fraction

W.O.# 04-8353
B.O.F.# nc
C/S (O) nh / nh
C/S (I) nh / nh
Cooler Temp. °C 2°
Seals Present Y / N / NA
Seals Intact Y / N
Samples Pres Y / N / NA
Headspace Y / N / NA
By mo

Instructions:

** Important Note: See reverse side hereof for terms and conditions.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Robert J. Phillips	11/5/04 3:15 pm	[signature]	11/5/4 3:15				

Analytical Lists for Meteoric Water Mobility Procedure

(from the State of Nevada)

Item	Profile I	Profile II
pH	X	X
TDS	X	X
Total cyanide		X
WAD Cyanide	X	X
Alkalinity (total as $CaCO_3$)	X	X
Bicarb (HCO_3 as $CaCO_3$)	X	X
Sulfate	X	X
Boron	X	X
Ca	X	X
Mg	X	X
K	X	X
Na	X	X
Al	X	X
Sb	X	X
Be	X	X
Chloride	X	X
Fluoride	X	X
Ni	X	X
Nitrate (NO_3) as N)	X	X
Nitrite (NO_2) as N	X	X
Total N	calc	calc
As	X	X
Ba	X	X
Cd	X	X
Cr	X	X
Cu	X	X
Fe	X	X
Pb	X	X
Mn	X	X
Hg	X	X
Se	X	X
Ag	X	X
Tl	X	X
Zn	X	X
Bi		X
Co		X
Ga		X
Li		X
Mg		X
Mo		X
P		X
Sc		X
Sr		X
Sn		X
Ti		X
V		X

Evergreen Analytical, Inc. Date: *12-Nov-04*

Client Project ID: 042004
Lab Order: 04-8354

CASE NARRATIVE

SAMPLE RECEIVING

Sample(s) were hand delivered to the laboratory by the client.
Custody seals were not present.
The temperature of the sample(s) upon arrival was 21 °C.
Sample(s) were received in good condition, in the proper container, and within method specified holding times.
Sample(s) were preserved properly. NJO

QUALITY ASSURANCE

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program. CMS

CLIENT SERVICES

Not enough sample was submitted to do all the analyses. There are no other anomalies to report. AMU

GENERAL CHEMISTRY

There are no anomalies to report. MM

METALS ANALYSIS

There are no anomalies to report. WKH

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWMP #3 (whole ore Tailings JFB)
Client Project ID: 042004
Date Collected: 11/5/04
Date Received: 11/5/04

Lab Work Order: 04-8354
Lab Sample ID: 04-8354-01
Sample Matrix: Water

ANIONS BY IC

Method: E300

Prep Method:

Date Prepared: 11/5/04
Date Analyzed: 11/5/04

Method Blank: MB-R13535

Dilution Factor: 1
Lab Fraction ID: 04-8354-01A

Analytes	CAS Number	Result	LQL	Units
Chloride	16887-00-6	19.6	0.50	mg/L
Nitrite-N		0.137	0.076	mg/L
Nitrate-N		0.111	0.056	mg/L
Sulfate	14808-79-8	50.4	0.50	mg/L

Analyst

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 11/9/04

Evergreen Analytical, Inc.

Date: *09-Nov-04*

Work Order: 04-8354
Client Project ID: 042004

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_W

Sample ID: **LCS-R13535** SampType: **LCS** TestCode: **ANIONS_W** Run ID: **IC-DX300_041105A** Prep Date: **11/5/04** Units: **mg/L**
Batch ID: **R13535** TestNo: **E300** FileID: Analysis Date: **11/5/04** SeqNo: **253760**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.34	0.50	20	0	96.7	90	110	0	0		
Nitrite-N	6.559	0.076	6.09	0	108	90	110	0	0		
Nitrate-N	4.077	0.056	4.518	0	90.2	90	110	0	0		
Sulfate	28.97	0.50	30	0	96.6	90	110	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 11/9/04

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWMP #3
Client Project ID: 042004
Date Collected: 11/5/04
Date Received: 11/5/04

Lab Work Order: 04-8354
Lab Sample ID: 04-8354-01
Sample Matrix: Water

TOTAL CYANIDE

Method: SM4500-CN E **Prep Method:**

Date Prepared: 11/9/04 Lab File ID: 14 Dilution Factor: 1
Date Analyzed: 11/9/04 Method Blank: MBLK Lab Fraction ID: 04-8354-01B

Analytes	CAS Number	Result	LQL	Units
Total Cyanide		0.20	0.010	mg/L

WEAK ACID DISSOCIABLE CYANIDE

Method: SM4500-CN I **Prep Method:**

Date Prepared: 11/9/04 Lab File ID: 21 Dilution Factor: 1
Date Analyzed: 11/9/04 Method Blank: MBLK Lab Fraction ID: 04-8354-01B

Analytes	CAS Number	Result	LQL	Units
Weak Acid Dissociable Cyanide		U	0.010	mg/L

FLUORIDE

Method: SM 4500-F C **Prep Method:**

Date Prepared: 11/10/04 Lab File ID: 7 Dilution Factor: 1
Date Analyzed: 11/10/04 Method Blank: MBLK Lab Fraction ID: 04-8354-01A

Analytes	CAS Number	Result	LQL	Units
Fluoride	16984-48-8	0.56	0.40	mg/L

L.P. Music II
Analyst

Approved

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 11/11/04

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Evergreen Analytical, Inc.

Date: *11-Nov-04*

Work Order: 04-8354
Client Project ID: 042004

ANALYTICAL QC SUMMARY REPORT

TestCode: CN_TW

Sample ID: **MBLK** SampType: **MBLK** TestCode: **CN_TW** Run ID: **SPEC GEN 10_041109A** Prep Date: **11/9/04** Units: **mg/L**
Batch ID: **R13598** TestNo: **SM4500-CN E** FileID: **1** Analysis Date: **11/9/04** SeqNo: **255072**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Cyanide	U	0.010									

Sample ID: **LCS** SampType: **LCS** TestCode: **CN_TW** Run ID: **SPEC GEN 10_041109A** Prep Date: **11/9/04** Units: **mg/L**
Batch ID: **R13598** TestNo: **SM4500-CN E** FileID: **2** Analysis Date: **11/9/04** SeqNo: **255073**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Cyanide	0.1827	0.010	0.177	0	103	90	110	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 11/11/04

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Work Order: 04-8354
Client Project ID: 042004

ANALYTICAL QC SUMMARY REPORT

TestCode: F_W

Sample ID: **MBLK** SampType: **MBLK** TestCode: **F_W** Run ID: **F_041110A** Prep Date: **11/10/04** Units: **mg/L**
Batch ID: **R13625** TestNo: **SM 4500-F C** FileID: **1** Analysis Date: **11/10/04** SeqNo: **255553**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	0.02155	0.40									J

Sample ID: **LCS** SampType: **LCS** TestCode: **F_W** Run ID: **F_041110A** Prep Date: **11/10/04** Units: **mg/L**
Batch ID: **R13625** TestNo: **SM 4500-F C** FileID: **2** Analysis Date: **11/10/04** SeqNo: **255554**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	7.562	0.40	7.68	0.02155	98.5	90	110	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 11/11/04

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWMP #3
Client Project ID: 042004
Date Collected: 11/5/04
Date Received: 11/5/04

Lab Work Order: 04-8354
Lab Sample ID: 04-8354-01
Sample Matrix: Water

200.7 TOTAL METALS, WATER

Method: E200.7

Prep Method: E200.7/SW3010

Date Prepared: 11/8/04
Date Analyzed: 11/9/04

Lab File ID: 110804PM
Method Blank: MB-5922

Dilution Factor: 1
Lab Fraction ID: 04-8354-01C

Analytes	CAS Number	Result	LQL	Units
Aluminum	7429-90-5	U	0.030	mg/L
Antimony	7440-36-0	0.12	0.025	mg/L
Arsenic	7440-38-2	0.12	0.050	mg/L
Barium	7440-39-3	0.016	0.0010	mg/L
Beryllium	7440-41-7	U	0.00045	mg/L
Cadmium	7440-43-9	U	0.010	mg/L
Calcium	7440-70-2	4.6	0.39	mg/L
Chromium	7440-47-3	U	0.010	mg/L
Cobalt	7440-48-4	U	0.0050	mg/L
Copper	7440-50-8	0.16	0.0050	mg/L
Iron	7439-89-6	0.15	0.070	mg/L
Lead	7439-92-1	U	0.073	mg/L
Magnesium	7439-95-4	0.38	0.15	mg/L
Manganese	7439-96-5	0.0081	0.0050	mg/L
Molybdenum	7439-98-7	0.011	0.0050	mg/L
Nickel	7440-02-0	0.0021	0.0020	mg/L
Phosphorus	7723-14-0	U	0.10	mg/L
Potassium	7440-09-7	2.2	0.34	mg/L
Selenium	7782-49-2	U	0.10	mg/L
Silver	7440-22-4	U	0.010	mg/L
Sodium	7440-23-5	85	0.40	mg/L
Titanium	7440-32-6	U	0.0050	mg/L
Vanadium	7440-62-2	U	0.010	mg/L
Zinc	7440-66-6	0.023	0.020	mg/L

Analyst

Approved

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 11/11/04

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWMP #3
Client Project ID: 042004
Date Collected: 11/5/04
Date Received: 11/5/04

Lab Work Order: 04-8354
Lab Sample ID: 04-8354-01
Sample Matrix: Water

200.7 TOTAL METALS, WATER

Method: E200.7 — Prep Method: E200.7/SW3010

Date Prepared: 11/8/04 — Lab File ID: 110804PM — Dilution Factor: 1
Date Analyzed: 11/9/04 — Method Blank: MB-5922 — Lab Fraction ID: 04-8354-01C

Analytes	CAS Number	Result	LQL	Units
Boron	7440-42-8	0.20	0.020	mg/L
Thallium	7440-28-0	U	0.10	mg/L
Tin	7440-31-5	U	0.020	mg/L

Date Prepared: 11/8/04 — Lab File ID: 111004PM — Dilution Factor: 1
Date Analyzed: 11/11/04 — Method Blank: MB-5922 — Lab Fraction ID: 04-8354-01C

Analytes	CAS Number	Result	LQL	Units
Lithium	7439-93-2	U	0.0020	mg/L
Strontium	7440-24-6	0.014	0.00050	mg/L

MERCURY 7470 TOTAL

Method: SW7470 — Prep Method: E245.1

Date Prepared: 11/8/04 — Lab File ID: 04110902 — Dilution Factor: 1
Date Analyzed: 11/9/04 — Method Blank: MB-5923 — Lab Fraction ID: 04-8354-01C

Analytes	CAS Number	Result	LQL	Units
Mercury	7439-97-6	0.00035	0.00010	mg/L

Analyst — Approved

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL)

Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 11/11/04

Evergreen Analytical, Inc.

Date: *11-Nov-04*

Work Order: 04-8354
Client Project ID: 042004

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7_T

Sample ID: **MB-5922** SampType: **MBLK** TestCode: **200.7_T** Run ID: **ICP_041108A** Prep Date: **11/8/04** Units: **mg/L**
Batch ID: **5922** TestNo: **E200.7** FileID: **110804PM** Analysis Date: **11/9/04** SeqNo: **254679**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.030									
Antimony	U	0.025									
Arsenic	U	0.050									
Barium	U	0.0010									
Beryllium	U	0.00045									
Cadmium	U	0.010									
Calcium	U	0.39									
Chromium	U	0.010									
Cobalt	U	0.0050									
Copper	U	0.0050									
Iron	U	0.070									
Lead	U	0.073									
Magnesium	U	0.15									
Manganese	U	0.0050									
Molybdenum	U	0.0050									
Nickel	U	0.0020									
Phosphorus	U	0.10									
Potassium	U	0.34									
Selenium	U	0.10									
Silver	U	0.010									
Sodium	U	0.40									
Titanium	U	0.0050									
Vanadium	U	0.010									
Zinc	U	0.020									

Sample ID: **MB-5922** SampType: **MBLK** TestCode: **200.7_T** Run ID: **ICP_041108B** Prep Date: **11/8/04** Units: **mg/L**
Batch ID: **5922** TestNo: **E200.7** FileID: **110804PM** Analysis Date: **11/9/04** SeqNo: **254723**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	U	0.020									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 11/11/04

Work Order: 04-8354
Client Project ID: 042004

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7_T

Sample ID: MB-5922 | SampType: MBLK | TestCode: 200.7_T | Run ID: ICP_041108B | Prep Date: 11/8/04 | Units: mg/L
Batch ID: 5922 | TestNo: E200.7 | FileID: 110804PM | Analysis Date: 11/9/04 | SeqNo: 254723

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	U	0.10									
Tin	U	0.020									

Sample ID: MB-5922 | SampType: MBLK | TestCode: 200.7_T | Run ID: ICP_041110B | Prep Date: 11/8/04 | Units: mg/L
Batch ID: 5922 | TestNo: E200.7 | FileID: 111004PM | Analysis Date: 11/11/04 | SeqNo: 255759

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lithium	U	0.0020									
Strontium	U	0.00050									

Sample ID: LCS-5922 | SampType: LCS | TestCode: 200.7_T | Run ID: ICP_041108A | Prep Date: 11/8/04 | Units: mg/L
Batch ID: 5922 | TestNo: E200.7 | FileID: 110804PM | Analysis Date: 11/9/04 | SeqNo: 254681

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.759	0.030	2	0	87.9	63.37	125.91	0	0		
Antimony	0.8729	0.025	1	0	87.3	75	125	0	0		
Arsenic	1.605	0.050	2	0	80.2	65.15	131.99	0	0		
Barium	4.379	0.0010	5	0.0005	87.6	82.44	113.87	0	0		
Beryllium	0.03861	0.00045	0.05	0	77.2	75	125	0	0		
Cadmium	0.1782	0.010	0.2	0.00065	89.1	72.95	120.59	0	0		
Calcium	8.739	0.39	10	0.08075	87.4	75	125	0	0		
Chromium	1.732	0.010	2	0	86.6	73.47	117.5	0	0		
Cobalt	1.7	0.0050	2	0	85	75	125	0	0		
Copper	1.638	0.0050	2	0	81.9	78.23	114.57	0	0		
Iron	4.317	0.070	5	0	86.3	75.42	121.71	0	0		
Lead	1.775	0.073	2	0	88.7	61.87	125.78	0	0		
Magnesium	8.639	0.15	10	0	86.4	75	125	0	0		
Manganese	1.665	0.0050	2	0.00069	83.2	74.27	117.28	0	0		
Molybdenum	1.605	0.0050	2	0	80.3	75.52	118.28	0	0		
Nickel	1.616	0.0020	2	0	80.8	74.4	121.87	0	0		
Phosphorus	1.661	0.10	2	0.01088	83	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 11/11/04

Work Order: 04-8354
Client Project ID: 042004

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7_T

Sample ID: LCS-5922 | SampType: LCS | TestCode: 200.7_T | Run ID: ICP_041108A | Prep Date: 11/8/04 | Units: mg/L
Batch ID: 5922 | TestNo: E200.7 | FileID: 110804PM | Analysis Date: 11/9/04 | SeqNo: 254681

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	8.279	0.34	10	0	82.8	75	125	0	0		
Selenium	1.617	0.10	2	0	80.9	47.21	139.29	0	0		
Silver	0.172	0.010	0.2	0	86	60.34	112.99	0	0		
Sodium	8.674	0.40	10	0.3945	86.7	75	125	0	0		
Titanium	1.792	0.0050	2	0	89.6	75	125	0	0		
Vanadium	1.713	0.010	2	0	85.7	75	125	0	0		
Zinc	1.621	0.020	2	0.01317	81.1	50.95	140.1	0	0		

Sample ID: LCS-5922 | SampType: LCS | TestCode: 200.7_T | Run ID: ICP_041108B | Prep Date: 11/8/04 | Units: mg/L
Batch ID: 5922 | TestNo: E200.7 | FileID: 110804PM | Analysis Date: 11/9/04 | SeqNo: 254724

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	1.69	0.020	2	0.00368	84.5	75	125	0	0		
~~Thallium~~	~~3.453~~	~~0.10~~	~~4~~	~~0~~	~~86.3~~	~~75~~	~~125~~	~~0~~	~~0~~		
Tin	1.744	0.020	2	0	87.2	75	125	0	0		

Sample ID: LCS-5922 | SampType: LCS | TestCode: 200.7_T | Run ID: ICP_041110B | Prep Date: 11/8/04 | Units: mg/L
Batch ID: 5922 | TestNo: E200.7 | FileID: 111004PM | Analysis Date: 11/11/04 | SeqNo: 255762

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	0.8844	0.00050	1	0	88.4	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 11/11/04

Analytical Method Details
Nixon Fork Mine

Method	Analyte	Potential Water Quality Standards	Method Detection Limit	Method Reporting Limit or Practical Quanitation Limit	Units
Total Metals per EPA 200 Series Methods in Water					
EPA 200.7	Aluminum	0.087[c]	0.0120	0.0200	mg/l
EPA 200.8	Antimony	0.006[a]	0.000192	0.00100	mg/l
EPA 200.7	Arsenic	0.050[f,a]	0.00770	0.0500	mg/l
EPA 200.8	Cadmium	0.00019[c]	0.000029	0.000100	mg/l
EPA 200.7	Calcium		0.0360	0.100	mg/l
EPA 200.8	Total Chromium	0.05599[c]	0.0000520	0.00100	mg/l
EPA 200.8	Copper	0.00668[c]	0.000788	0.00200	mg/l
EPA 200.7	Iron	1	0.00643	0.100	mg/l
EPA 200.8	Lead	0.00173[c]	0.000224	0.00100	mg/l
EPA 200.7	Magnesium		0.0136	0.100	mg/l
EPA 200.8	Nickel	0.03892[c]	0.000376	0.00200	mg/l
EPA 200.8	Selenium	0.0046[c]	0.000876	0.00100	mg/l
EPA 200.8	Silver	0.01765[c]	0.0000566	0.00100	mg/l
EPA 200.8	Zinc	0.08838[c]	0.00150	0.00500	mg/l
Metals per EPA 6000/7000 Series Methods					
EPA 6020	Bismith		0.0000050	0.0050	mg/l
EPA 6020	Barium	2.0[a]	0.00016	0.010	mg/l
EPA 6020	Berylium	0.004	0.00022	0.010	mg/l
EPA 6020	Boron	0.75	0.00025	0.010	mg/l
EPA 6020	Calcium		0.018	0.10	mg/l
EPA 6020	Cobalt	0.05	0.00031	0.00	mg/l
EPA 6020	Copper	0.00668[c]	0.00034	0.010	mg/l
EPA 200.7	Lithium	2.5	<2.5	<2.5	mg/l
EPA 6020	Magnanese	0.2[b]	0.00018	0.0100	mg/l
EPA 6020	Magnesium		0.0060	0.10	mg/l
EPA 6020	Molybdenum	0.01	0.00013	0.010	mg/l
EPA 6020	Potasium		0.0030	0.10	mg/l
EPA 6020	Silicon		0.0060	0.10	mg/l
EPA 6020	Sodium		0.014	0.10	mg/l
EPA 6020	Thallium	0.002[a]	0.000066	0.010	mg/l
EPA 6020	Tin		0.00096	0.010	mg/l
EPA 6020	Titanium		0.00036	0.010	mg/l
EPA 6020	Uranium		0.000013	0.0050	mg/l
EPA 6020	Vanadium	0.1	0.00035	0.010	mg/l
SM 3500 or SW 7196	**Chromium, Hexavalent**	0.01	0.0002	0.02	mg/l

Evergreen
Analytical
Laboratory

October 29, 2004

Mr. Robert Phillips
Phillips Enterprises
2501 Braun Drive
Golden, CO 80401

Dear Mr. Phillips,

Please find enclosed the reports requested. Metals and Cyanide values have been reported down to the MDL. Values that are between the MDL and the Reporting Limit are flagged with a "j" indicating they are estimated values. The closer to the MDL, the lower the level of certainty in the value.

If you need further information, please let me know.

Sincerely,

Jim Travis
QA Officer

Evergreen Analytical, Inc. 4036 Youngfield St. Wheat Ridge, CO 80033-3862 (303) 425-6021 FAX (303) 425-6854

Evergreen Analytical, Inc. Date: *29-Oct-04*

Lab Order: 04-7481
Client Project ID 042004

CASE NARRATIVE

SAMPLE RECEIVING

Sample(s) were hand delivered to the laboratory by the client.
Custody seals were not present.
The temperature of the sample(s) upon arrival was 13 °C.
Sample(s) were received in good condition.
NO3/NO2 will be run out of hold as client was deciding what test to run due to inadequate volume.
Sample(s) were preserved properly. JD

QUALITY ASSURANCE

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14.

CLIENT SERVICES

The final list of analyses was verbally confirmed with the client. EKH

GENERAL CHEMISTRY

Anions: Samples were analyzed out of holding time for Nitrite & Nitrtate as the analyte list was only received after the holding time expired. MM
Samples 04-7481-01 and -02 both had high conductivity and needed diluting. This raised the Nitrite-N reporting limit for both samples and the Nitrate-N value for sample -02. The Nitrate-N and Nitrite-N values were run outside the 48 hour holding time for these parameters. JML
Cyanide : Samples were analyzed at a 10X dilution due to prior samples requiring large dilutions. This raised the reporting limit to 0.10mg/L. MM
Cyanide: Cyanide reports are being reissued reporting results down to the MDL. Please keep in mind that an MDL is a calculated number and a result near that number may not be very accurate.
There are no other anomalies to report. JT

METALS ANALYSIS

Samples 04-7481-01C and 04-7481-02C were analyzed for Bismuth and the results for both samples is below the Reporting Limit of 0.05 ug/mL for Bismuth. A trace of zinc (0.02892 mg/L) was measured in the method blank for the 200.7 total metals. The amount was not subtracted from the sample result and is reported in the Analytical QC Summary Report. There are no other anomalies to report. SS/MA

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWWP filtrate T-31
Client Project ID: 042004
Date Collected: 10/2/04
Date Received: 10/4/04

(Reprocessed Tailings) gfD

Lab Work Order: 04-7481
Lab Sample ID: 04-7481-01
Sample Matrix: Water

WEAK ACID DISSOCIABLE CYANIDE

Method: SM4500-CN I

Prep Method:

Date Prepared: 10/11/04
Date Analyzed: 10/11/04

Lab File ID: 93
Method Blank: MBLK

Dilution Factor: 10
Lab Fraction ID: 04-7481-01B

Analytes	CAS Number	Result	LQL	Units
Weak Acid Dissociable Cyanide		0.019 J	0.10	mg/L

Analyst

Approved

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL)

Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 10/29/04

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWWP filtrate T-31
Client Project ID: 042004
Date Collected: 10/2/04
Date Received: 10/4/04

Lab Work Order: 04-7481
Lab Sample ID: 04-7481-01
Sample Matrix: Water

200.7 TOTAL METALS, WATER

Method: E200.7

Prep Method: E200.7/SW3010

Date Prepared: 10/6/04
Date Analyzed: 10/6/04

Lab File ID: 100604PM
Method Blank: MB-5667

Dilution Factor: 1
Lab Fraction ID: 04-7481-01C

Analytes	CAS Number	Result	LQL	Units
Aluminum	7429-90-5	U	0.030	mg/L
Antimony	7440-36-0	0.071	0.025	mg/L
Arsenic	7440-38-2	1.3	0.050	mg/L
Barium	7440-39-3	0.018	0.0010	mg/L
Beryllium	7440-41-7	U	0.00045	mg/L
Cadmium	7440-43-9	0.0055 J	0.010	mg/L
Calcium	7440-70-2	13	0.39	mg/L
Chromium	7440-47-3	U	0.010	mg/L
Cobalt	7440-48-4	0.0060	0.0050	mg/L
Copper	7440-50-8	0.019	0.0050	mg/L
Iron	7439-89-6	0.088	0.070	mg/L
Lead	7439-92-1	U	0.073	mg/L
Magnesium	7439-95-4	2.2	0.15	mg/L
Manganese	7439-96-5	0.0022 J	0.0050	mg/L
Molybdenum	7439-98-7	0.0084	0.0050	mg/L
Phosphorus	7723-14-0	0.064 J	0.10	mg/L
Potassium	7440-09-7	5.2	0.34	mg/L
Selenium	7782-49-2	0.026 J	0.10	mg/L
Silver	7440-22-4	0.0049 J	0.010	mg/L
Sodium	7440-23-5	450	0.40	mg/L
Titanium	7440-32-6	U	0.0050	mg/L
Vanadium	7440-62-2	U	0.010	mg/L
Zinc	7440-66-6	0.035 B	0.020	mg/L

Analyst

Approved

Qualifiers:
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Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 10/29/04

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: MWWP filtrate T-31
Client Project ID: 042004
Date Collected: 10/2/04
Date Received: 10/4/04

Lab Work Order: 04-7481
Lab Sample ID: 04-7481-01
Sample Matrix: Water

200.7 TOTAL METALS, WATER

Method: E200.7 Prep Method: E200.7/SW3010

Date Prepared: 10/6/04 Lab File ID: 100704PM Dilution Factor: 1
Date Analyzed: 10/8/04 Method Blank: MB-5667 Lab Fraction ID: 04-7481-01C

Analytes	CAS Number	Result	LQL	Units
Boron	7440-42-8	0.22	0.020	mg/L
Thallium	7440-28-0	U	0.10	mg/L
Tin	7440-31-5	0.021 B	0.020	mg/L

Date Prepared: 10/6/04 Lab File ID: 100804PM Dilution Factor: 1
Date Analyzed: 10/9/04 Method Blank: MB-5667 Lab Fraction ID: 04-7481-01C

Analytes	CAS Number	Result	LQL	Units
Lithium	7439-93-2	0.0028	0.0020	mg/L
Strontium	7440-24-6	0.057	0.00050	mg/L

MERCURY 7470 TOTAL

Method: SW7470 Prep Method: E245.1

Date Prepared: 10/7/04 Lab File ID: 04100801 Dilution Factor: 1
Date Analyzed: 10/8/04 Method Blank: MB-5693 Lab Fraction ID: 04-7481-01C

Analytes	CAS Number	Result	LQL	Units
Mercury	7439-97-6	0.00075	0.00010	mg/L

Analyst Approved

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U - Compound analyzed for but not detected
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Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 10/29/04