Assessment Report

2008 Work Program
Soil and Rock Geochemistry, Trenching and Diamond Drilling

on the

PHOENIX & BLUEBELL PROPERTIES

Minnie Moore, Battle and Stemwinder Zones

BOUNDARY DISTRICT

NTS 82E/2

Lat: 49° 06' 00'' N Long: 118° 35' 00'' W
(at approximate centre of work)

Greenwood Mining Division
British Columbia, Canada

Prepared for:
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PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA L. J. CARON

September 12, 2008

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1.0 SUMMARY

Kettle River Resources Ltd. owns eight mineral properties in the historic Greenwood Mining Camp of Southern British Columbia, which cover in excess of 10,000 hectares. During the spring and summer of 2008, the company completed a program of excavator trenching and diamond drilling (14 holes, 2551 meters) on its Greenwood area properties. Limited prospecting, soil and rock sampling was also completed. The 2008 work program was primarily directed at 3 known areas of mineralization, the Minnie Moore showing on the Bluebell property, and the Battle and Stemwinder Zones on the Phoenix property.

Work by the company during 2007 resulted in the discovery of the Minnie Moore epithermal silver-gold showing. During 2007, soil geochemical and ground magnetometer surveys were completed in the vicinity of the showing, and excavator trenching and diamond drilling was done. The Minnie Moore vein was exposed on surface in two trenches. Where exposed it is a well-defined breccia vein, with a true width ranging up to 8.5 meters and with faulted contacts. The vein is comprised of intensely silicified Triassic Brooklyn Formation limestone and siltstone, that is cut and cemented by vuggy quartz and quartz-carbonate veinlets and breccia matrix. Sulfide content is low, only locally exceeding 5%, and consisting of pyrite, with lesser chalcopyrite, sphalerite, galena, tetrahedrite, and ruby silver. Representative trench samples across the vein returned values up to 1469 g/t Ag and 3.95 g/t Au over 4.2 meters.

In the fall of 2007, 10 diamond drill holes were drilled to test the Minnie Moore vein in the vicinity of the excavator trenches. Diamond drilling showed that the trenched zone is cut-off (offset?) by a 50 meter thick post-mineral sill, at a shallow depth below surface. Several zones of silicification and quartz-carbonate veining were intersected in the drilling at depth beneath the sill, however analytical results failed to return values of similar silver and gold tenor to those from trenching.

During 2008, the 2007 soil grid was extended at the Minnie Moore showing. Follow-up excavator trenching was done to test for the surface expression of the Minnie Moore to the south of the 2007 trench exposures, and to test soil geochemical anomalies from the 2007 and 2008 soil surveys. Five trenches, totalling 235 lineal meters, were dug in 2008. None of these trenches successfully intersected the Minnie Moore vein. Several narrow zones of epidote (+/- hematite, garnet, pyrite) skarn were intersected. Results were locally elevated within the skarn, but sub economic.

Holes KRR 08-1 to 08-5 were drilled at the Minnie Moore showing, to further explore for the at-depth extension of the Minnie Moore zone. Drilling also tested a strong multi-element soil geochemical anomaly southwest of the main showing. Epithermal style quartz stockwork breccia veining was intersected in hole KRR 08-1, at depth beneath the thick post-mineral sill, however analytical results were disappointing. A 5.3 meter intercept through the zone of veining graded 0.27 g/t Au and 77.3 g/t Ag. Within this interval, a 1.6 meter section returned 0.55 g/t Au and 178.5 g/t Ag. There were no results of note from the remaining Minnie Moore drill holes. The 2008 drilling at the Minnie Moore showing confirmed the structural complexity of the area and added information to assist in unravelling these complexities. At least three separate post-mineral fault sets, often with accompanying post-mineral dykes and sills, are known to occur.

Holes KRR 08-6 to 08-12 were drilled at the Battle Zone, to test an area of auriferous pyrite-quartz stockwork veinlets and multiple northwest-trending, shallow northeast dipping shear zones, seen on surface, in outcrop and in historic prospect pits, shafts and adits. Drilling was designed to test for both narrow high-grade shear veins and for lower grade, bulk tonnage mineralization resulting from stockwork veining or multiple close spaced shear zones. Numerous narrow semi-massive to massive pyrite (+/- chalcopyrite, quartz) veins and mineralized shear zones were intersected in the drill program.

Hole KRR 08-6, 08-7 and 08-8 tested the Bank of England shear zone, down dip from its exposure at the

Bank of England adit. Hole KRR 08-6 intersected a 7.3 meter interval of shearing, with pyrite (+/- quartz) veining. An average grade of 3.71 g/t Au, 8.27 g/t Ag and 1801 ppm Cu was returned across the 7.3 meter intercept, including a 0.4 meter interval which returned 14.0 g/t Au, 64 g/t Ag and 496 ppm Cu, and a separate 1.0 meter interval returning 8.8 g/t Au, 7.0 g/t Ag and 2417 ppm Cu. Hole KRR 08-8, a fan hole from the same set-up as hole KRR 08-6 intersected the same zone, with results of 1.62 g/t Au, 10.85 g/t Ag and 2349 ppm Cu over 12.7 meters, and including a 0.7 meter intercept grading 18.07 g/t Au, 183.7 g/t Ag and 3.36% Cu. The Bank of England shear zone is moderately oxidized where intersected in both holes KRR 08-6 and 08-8.

Drill holes KRR 08-9 and 08-10 were collared 160 meters southwest of holes KRR 08-6 to 08-8 and were designed to test auriferous sulfide veining exposed nearby in subcrop (from which samples had returned up to 14.97 g/t Au), and to follow-up on the results of a single 1991 drill hole by Battle Mountain Canada Inc., located approximately 30 meters to the west, which intersected several narrow pyrite veins with elevated gold values. Both KRR 08-9 and 08-10 intersected several narrow pyrite and quartz-pyrite veins and mineralized fault zones, with elevated gold values. The best results were a 0.4 meter intercept returning 5.4 g/t Au, 18.3 g/t Ag and 6070 ppm Cu in hole KRR 08-9 and an 8.62 meter intercept in hole KRR 08-10 which averaged 0.76 g/t Au, 1.15 g/t Ag and 401 ppm Cu (with a 0.5 meter sample within the interval returning 6.33 g/t Au, 14.7 g/t Ag and 4169 ppm Cu).

Holes KRR 08-11 and 08-12 were the southernmost holes drilled at the Battle Zone. They were drilled to test a shear zone that is exposed on surface in an old prospect shaft from which grab samples returned up to 185 g/t Au. The holes also tested a known zone of mineralization exposed along the powerline. Both holes intersected a highly oxidized, nearly flat-lying shear zone, with elevated, but low, gold values across the zone. Both holes also intersected several zones of mineralization lower in the holes. A 1.56 meter sample of pyritic sharpstone conglomerate in hole 08-11 returned 80.0 g/t Au and 8.6 g/t Ag. In hole KRR 08-12, a 9.55 meter intercept averaged 4.32 g/t Au, 2.42 g/t Ag and 561 ppm Cu. This intercept included a 0.8 meter semi-massive pyrite vein which assayed 50.30 g/t Au, 27.8 g/t Ag and 5493 ppm Cu. Due to drilling problems, hole 08-11 was terminated in a zone of stockwork quartz veinlets at a depth of 209.98 meters. The final sample in the drill hole, from 207.29 – 209.98 meters returned 1257.8 g/t Ag.

The final two drill holes of the program, holes KRR 08-13 and 08-14, targeted a series of sub-parallel northwest trending, moderate to steeply northeast dipping gold-bearing quartz-sulfide veins which were known from historic underground work at the Stemwinder and Brooklyn mines. Drilling established the depth to the regional, post-mineral Snowshoe fault, and provided information as to the down-dip potential for the Stemwinder veins. Hole KRR 08-13 intersected a series of semi-massive pyrite-chalcopyrite +/- quartz veins and breccia veins, within Brooklyn conglomerate and volcanics, in the hangingwall of the Snowshoe fault. The upper two veins intersected by drilling were massive pyrite-chalcopyrite veins, which in this hole returned only low gold values. The two deeper veins returned better gold values, to a maximum of 13.8 g/t Au, 39.4 g/t Ag and 5.26 % Cu over 1.0 meters from one zone. Hole KRR 08-14, a steeper hole from the same set-up as hole 08-13, intersected one mineralized zone in the hangingwall of the Snowshoe fault. The hole 08-14 intercept returned 6.85 g/t Au, 13.3 g/t Ag and 8130 ppm Cu over 2.85 meters.

Additional drilling is recommended at the Battle and Stemwinder zones, to follow-up on the results of the 2008 drill program. Prior to drilling further holes that attempt to locate the at-depth faulted offset of the Minnie Moore surface showing, drilling needs to be designed to better understand the complex post-vein faulting.

2.0 INTRODUCTION

Kettle River Resources Ltd. owns eight mineral properties in the Greenwood area of Southern British Columbia, namely the Phoenix, Phoenix tailings, Bluebell, Niagara, Rads, Tam O'Shanter, Haas Creek and Arcadia properties, as shown on Figure 1. This report summarizes the results of a program of prospecting, soil and rock sampling, excavator trenching and diamond drilling on the Phoenix and Bluebell properties which was carried out during the spring-summer of 2008. The 2008 work program was primarily directed at 3 known areas of mineralization, the recently discovered Minnie Moore showing on the Bluebell property, and the Battle and Stemwinder Zones on the Phoenix property.

Work completed was filed, for assessment purpose, onto claims that form part of the Bluebell and Phoenix properties, as well as onto claims that belong to the adjoining Arcadia and Niagara properties. This report contains background information on the Phoenix and Bluebell properties (on which the work was actually completed) only. The Phoenix and Bluebell properties are contiguous and have historically been treated as separate properties. Background information (access, claims, history, geology) contained within this report is given separately for the two properties. Much of this background information on these properties is taken verbatim from earlier reports by the author (Caron, 2007, 2008).

2.1 Phoenix Property: Location, Access and Description

The Phoenix property is centred about 13 kilometers northwest of Grand Forks, at latitude 49º 6' 45" N and longitude 118º 35' 10" W, on NTS 082E/2. Kettle River's Bluebell property adjoins the Phoenix property to the north, while the Arcadia property adjoins the claims to the west.

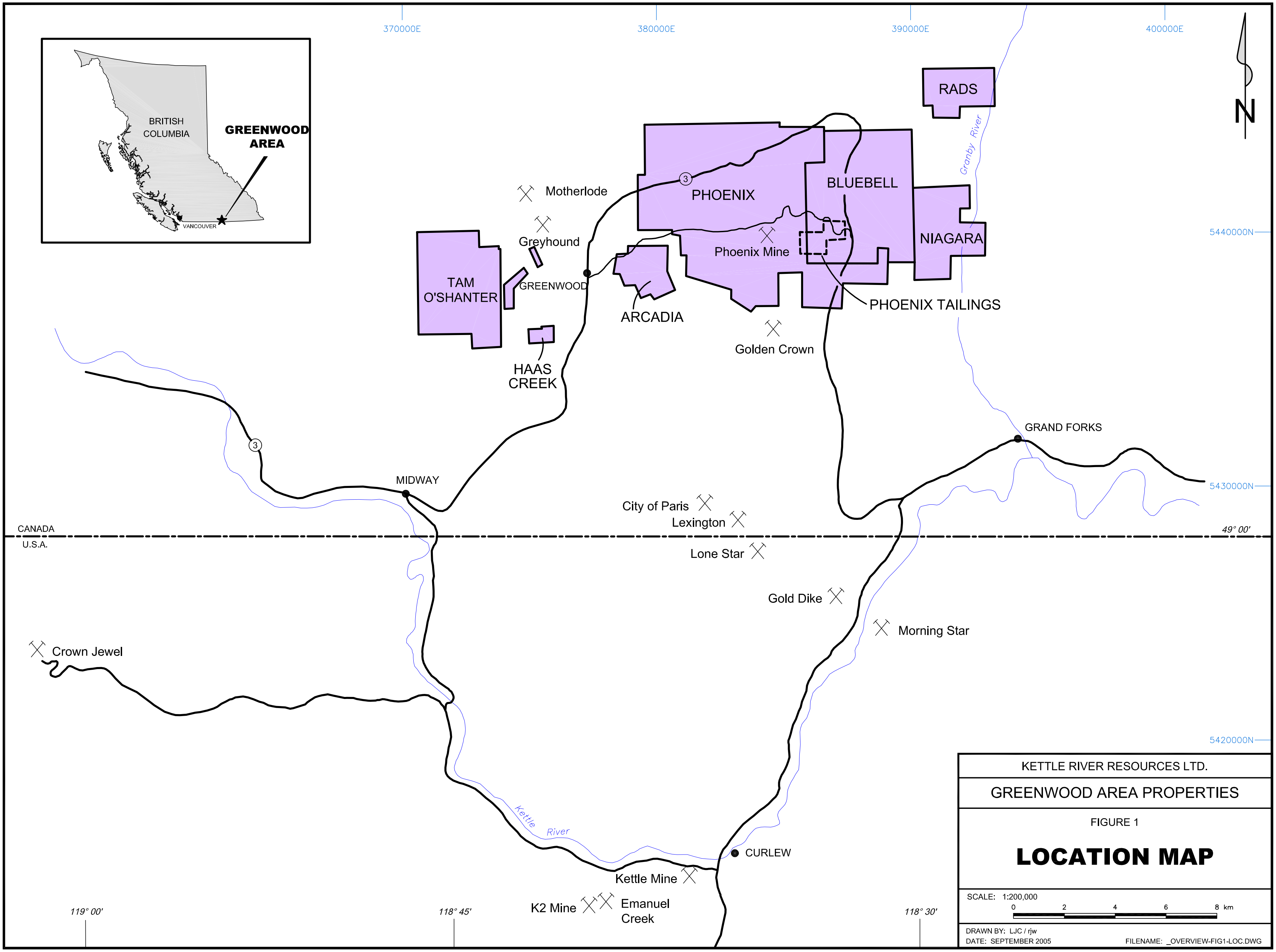
The property has excellent road access. Highway 3 passes through the northern and eastern parts of the claim block, while the Phoenix road, maintained year-round, provides good access through the centre of the claims. Numerous other old mining, logging and powerline access roads, and abandoned rail grades, provide further road access.

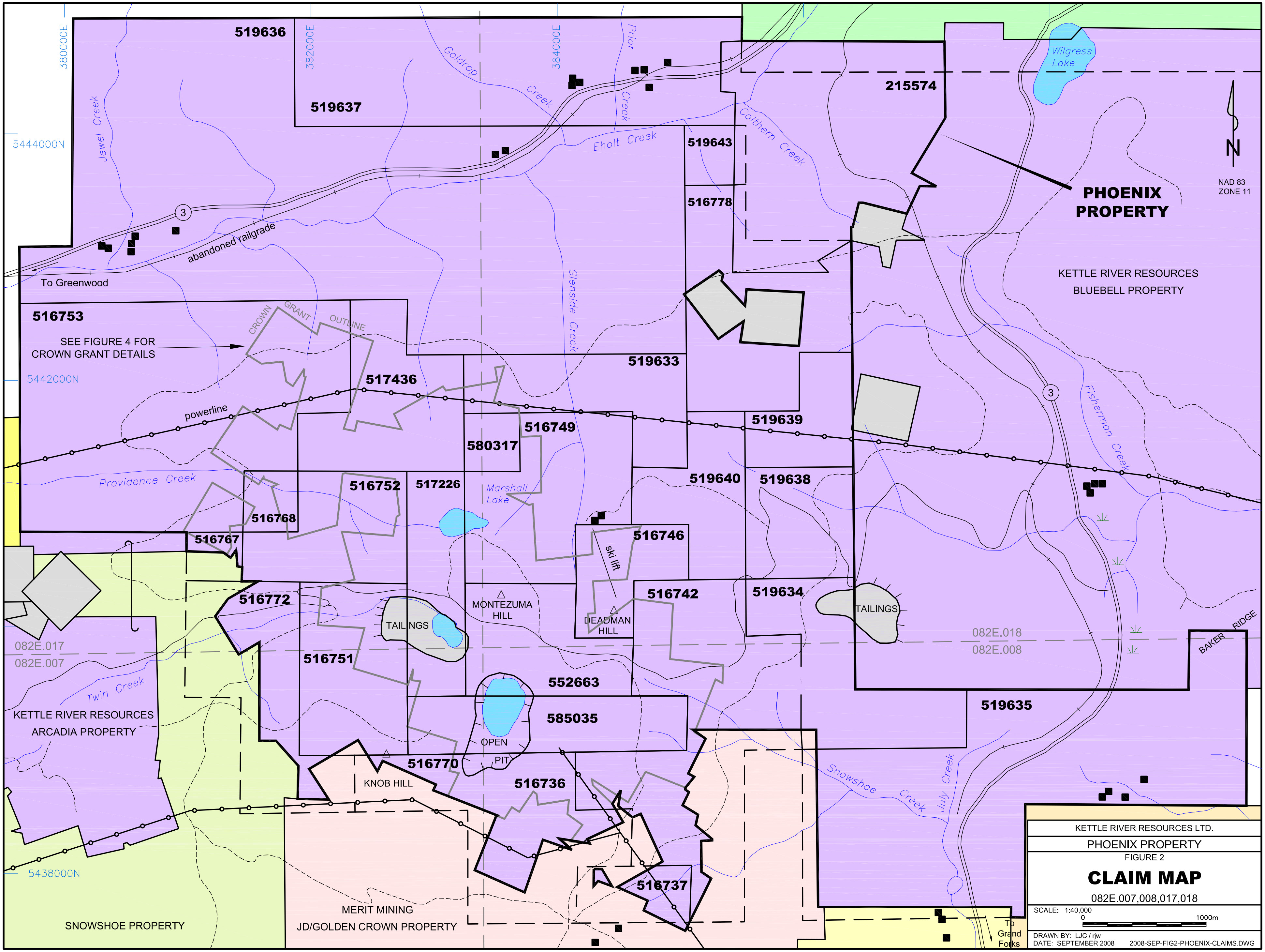
The Phoenix property covers approximately 4600 hectares on Mineral Titles map sheets 082E.007, 082E.008, 082E.017 and 082E.018. It includes the area in and around the past-producing Phoenix mine, from which in excess of 1 million ounces of gold was produced. The Phoenix mine operated from 1900-1919 and then again from 1956-1978. Total production during this time was 27 million tonnes, at an average grade of 0.9% Cu and 1.12 g/t Au.

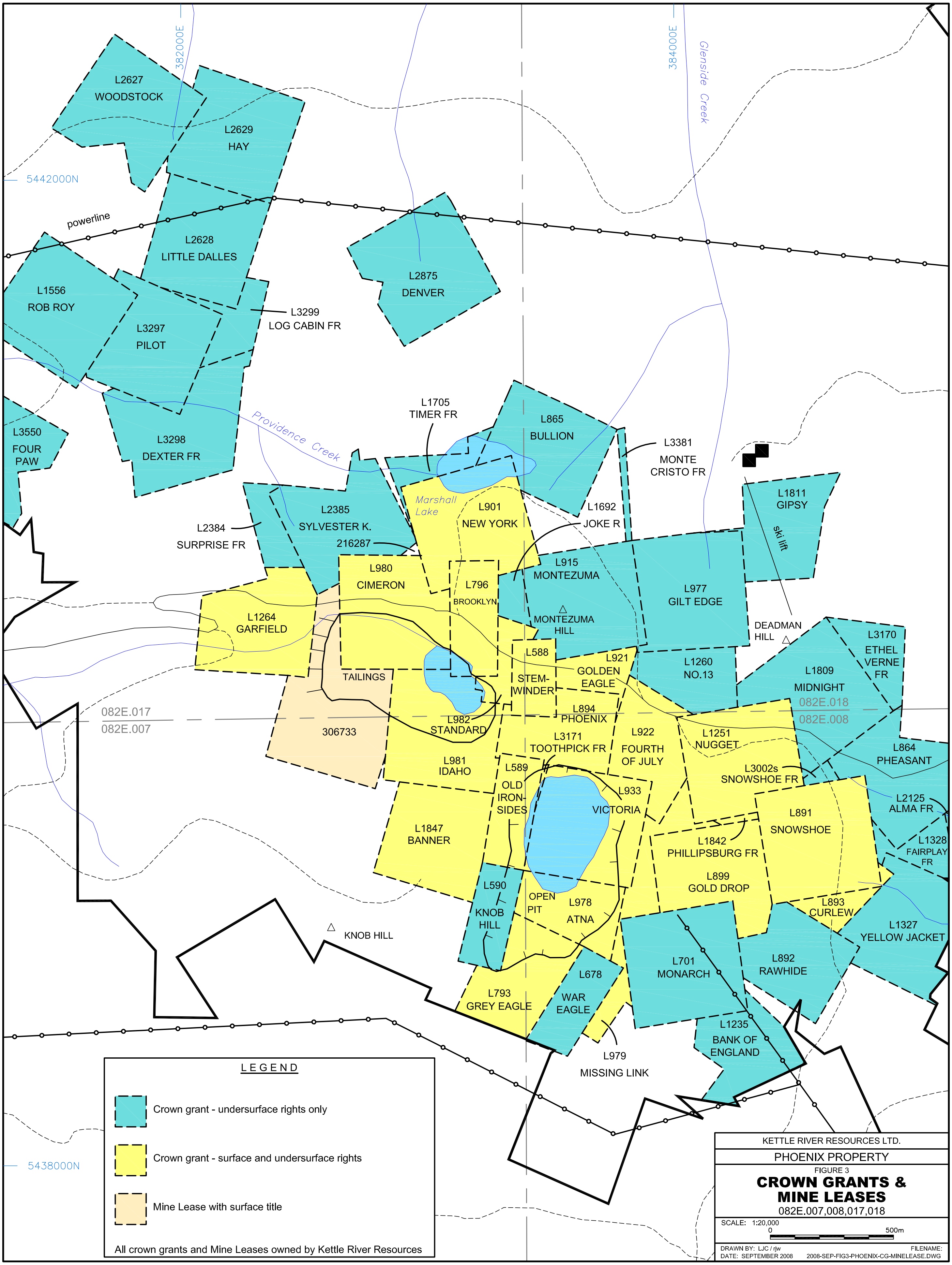
The property is comprised of 55 crown granted mineral claims, one 4-post mineral (legacy) claim, 1 Mine Lease and 25 MTO cell claims, all of which are 100% owned by Kettle River Resources. Claims are shown on Figure 2. A more detailed map showing the crown grants and Mine Lease is included as Figure 3.

Kettle River holds the under-surface rights to all 55 crown grants included within the property, as well as surface right to 22 of the crown grants, as shown on Figure 3. Kettle River Resources holds also surface title to lot SL2, DL. 2710, which covers the Tremblay tailings and straddles the boundary between the Phoenix and Bluebell properties. The remainder of the Phoenix property is largely underlain by crown land, but areas with privately owned surface title do occur in the extreme northern and eastern parts of the property, adjacent to Highway 3 in the Eholt and July Creek valleys.

Claim, crown grant and Mine Lease information is summarized below in Tables 1, 2 and 3.


370000E
380000E
390000E
400000E
N
BRITISH COLUMBIA
GREENWOOD AREA
VANCOUVER
RADS
PHOENIX
BLUEBELL
NIAGARA
Granby River
Motherlode
Greyhound
Phoenix Mine
TAM O'SHANTER
GREENWOOD
ARCADIA
PHOENIX TAILINGS
Golden Crown
HAAS CREEK
5440000N
GRAND FORKS
MIDWAY
5430000N
City of Paris
Lexington
CANADA
U.S.A.
49° 00'
Lone Star
Gold Dike
Morning Star
Crown Jewel
5420000N
Kettle River
CURLEW
Kettle Mine
K2 Mine
Emanuel Creek
119° 00'
118° 45'
118° 30'
KETTLE RIVER RESOURCES LTD.
GREENWOOD AREA PROPERTIES
FIGURE 1
LOCATION MAP
SCALE: 1:200,000
0 2 4 6 8 km
DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2005
FILENAME: _OVERVIEW-FIG1-LOC.DWG


519636
519637
215574
519643
516778
PHOENIX
PROPERTY
NAD 83
ZONE 11
N
KETTLE RIVER RESOURCES
BLUEBELL PROPERTY
To Greenwood
abandoned railgrade
516753
SEE FIGURE 4 FOR
CROWN GRANT DETAILS
CROWN GRANT OUTLINE
517436
519633
powerline
516749
580317
519639
519640
519638
516752
517226
516768
516767
516746
516742
519634
516772
TAILINGS
MONTEZUMA
HILL
DEADMAN
HILL
ski lift
516751
552663
585035
OPEN
PIT
516770
KNOB HILL
516736
516737
519635
082E.017
082E.007
082E.018
082E.008
BAKER RIDGE
KETTLE RIVER RESOURCES
ARCADIA PROPERTY
SNOWSHOE PROPERTY
MERIT MINING
JD/GOLDEN CROWN PROPERTY
To Grand Forks
380000E
382000E
384000E
5444000N
5442000N
5438000N
Jewel Creek
Goldrop Creek
Prior Creek
Eholt Creek
Coltharn Creek
Wilgress Lake
Glenside Creek
Providence Creek
Marshall Lake
Fisherman Creek
Twin Creek
Snowshoe Creek
July Creek
3
KETTLE RIVER RESOURCES LTD.
PHOENIX PROPERTY
FIGURE 2
CLAIM MAP
082E.007,008,017,018
SCALE: 1:40,000
0
1000m
DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2008
2008-SEP-FIG2-PHOENIX-CLAIMS.DWG



382000E
384000E
Glenside Creek
5442000N
5438000N
powerline
Providence Creek
Marshall Lake
L2627
WOODSTOCK
L2629
HAY
L2628
LITTLE DALLES
L1556
ROB ROY
L3297
PILOT
L3299
LOG CABIN FR
L2875
DENVER
L3550
FOUR PAW
L3298
DEXTER FR
L1705
TIMER FR
L865
BULLION
L3381
MONTE CRISTO FR
L2384
SURPRISE FR
L2385
SYLVESTER K.
216287
L901
NEW YORK
L1692
JOKE R
L1811
GIPSY
ski lift
L980
CIMERON
L796
BROOKLYN
L915
MONTEZUMA
L977
GILT EDGE
L1264
GARFIELD
MONTEZUMA HILL
DEADMAN HILL
L3170
ETHEL VERNE FR
L588
L921
GOLDEN EAGLE
L1260
NO.13
L1809
MIDNIGHT
TAILINGS
STEM-WINDER
L894
PHOENIX
082E.018
082E.008
082E.017
082E.007
L982
STANDARD
306733
L3171
TOOTHPICK FR
L922
FOURTH OF JULY
L1251
NUGGET
L864
PHEASANT
L981
IDAHO
L589
OLD IRON-SIDES
L933
VICTORIA
L3002s
SNOWSHOE FR
L2125
ALMA FR
L1847
BANNER
L891
SNOWSHOE
L1842
PHILLIPSBURG FR
L1328
FAIRPLAY FR
L899
GOLD DROP
L590
KNOB HILL
OPEN PIT
L978
ATNA
L893
CURLEW
L1327
YELLOW JACKET
KNOB HILL
L701
MONARCH
L892
RAWHIDE
L678
WAR EAGLE
L793
GREY EAGLE
L1235
BANK OF ENGLAND
L979
MISSING LINK
LEGEND
Crown grant - undersurface rights only
Crown grant - surface and undersurface rights
Mine Lease with surface title
All crown grants and Mine Leases owned by Kettle River Resources
KETTLE RIVER RESOURCES LTD.
PHOENIX PROPERTY
FIGURE 3
CROWN GRANTS & MINE LEASES
082E.007,008,017,018
SCALE: 1:20,000
0
500m
DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2008
FILENAME:
2008-SEP-FIG3-PHOENIX-CG-MINELEASE.DWG

Lot #	Crown Grant Name		Lot #	Crown Grant Name
L. 588	Stemwinder		L. 1257	Nugget
L. 589	Old Ironsides		L. 1260	No. 13
L. 590	Knob Hill		L. 1264	Garfield
L. 678	War Eagle		L. 1327	Yellow Jacket
L. 701	Monarch		L. 1328	Fairplay Fr.
L. 793	Grey Eagle		L. 1556	Rob Roy
L. 796	Brooklyn		L. 1692	Joker
L. 864	Pheasant		L. 1705	Timer Fr.
L. 865	Bullion		L. 1809	Midnight
L. 891	Snowshoe		L. 1811	Gipsy
L. 892	Rawhide		L. 1842	Phillipsburg Fr.
L. 893	Curlew		L. 1847	Banner
L. 894	Phoenix		L. 2125	Alma Fr.
L. 899	Gold Drop		L. 2384	Surprise Fr.
L. 901	New York		L. 2385	Sylvester K
L. 915	Montezuma		L. 2627	Woodstock
L. 921	Golden Eagle		L. 2628	Little Dalles
L. 922	Fourth of July		L. 2629	May
L. 933	Victoria		L. 2875	Denver
L. 977	Gilt Edge		L. 3002s	Snowshoe Fr.
L. 978	Aetna		L. 3170	Ethel Verne Fr.
L. 979	Missing Link		L. 3171	Toothpick Fr.
L. 980	Cimeron		L. 3297	Pilot
L. 981	Idaho		L. 3298	Dexter Fr.
L. 982	Standard		L. 3299	Log Cabin Fr.
L. 1024s	Aetna Fr.		L. 3381	Monte Cristo Fr.
L. 1235	Bank of England		L. 3550	Four Paw
L. 1252	Gold Drop Fr.			

Table 1 - Phoenix Property Crown Grants

Tenure #	AREA (Ha)	EXPIRY DATE*
215574	400.00	2017/Dec/30
516736	148.09	2017/Dec/30
516737	42.32	2017/Dec/30
516742	274.98	2017/Dec/30
516746	63.44	2017/Dec/30
516749	148.02	2017/Dec/30
516751	126.91	2017/Dec/30
516752	105.73	2017/Dec/30
516753	444.00	2017/Dec/30
516767	21.15	2017/Dec/30
516768	21.15	2017/Dec/30
516770	42.31	2017/Dec/30
516772	148.06	2017/Dec/30
516778	190.26	2017/Dec/30
517226	84.59	2017/Dec/30
517436	126.86	2017/Dec/30
519633	105.71	2017/Dec/30
519634	126.90	2017/Dec/30
519635	465.39	2017/Dec/30
519636	951.15	2017/Dec/30
519637	380.38	2017/Dec/30
519638	84.58	2017/Dec/30
519639	63.43	2017/Dec/30
519640	84.58	2017/Dec/30
519643	21.14	2017/Dec/30
552663	105.75	2017/Dec/30

* expiry dates listed are after filing this report

Table 2 - Phoenix Property Claim Information

Tenure #	AREA (Ha)	EXPIRY DATE
306733 (M098)	21.38	2008/Nov/21

Table 3 - Phoenix Property Mine Leases

2.2 Bluebell Property: Location, Access and Description

The Bluebell property is centred about 13 kilometers northwest of Grand Forks, on NTS 082E/2. Kettle River's Phoenix property adjoins the Bluebell property to the south, while the Niagara property adjoins the claims to the east.

The Bluebell property covers most of the historic Summit Mining Camp, including the past-producing Oro Denoro, Emma and B.C. mines, as well as numerous other mineral occurrences. It covers an area of approximately 2290 hectares on Mineral Titles map sheets 082E.007 and 082E.017 and is comprised of 20 crown granted mineral claims (to which the company holds under-surface rights only), two 4-post mineral claims and seven MTO cell claims. The property is 100% owned by Kettle River Resources, with no underlying agreements or royalties. The claims and crown grants are shown on Figure 4, and summarized below in Tables 4 and 5.

Lot #	Crown Grant Name		Lot #	Crown Grant Name
L. 464s	B.C. Fraction No.2		L. 949	Novelty Fraction
L. 465s	London No. 2 Fraction		L. 950	Vashti
L. 591	Emma		L. 986	Norton Fraction
L. 592	Jumbo		L. 1409	May
L. 593	Minnie Moore		L. 1506	R. Bell
L. 625	Cordick		L. 1553	Mountain View
L. 692	Oro Denoro		L. 1568	Mary B.
L. 794	Mountain Rose		L. 1691	Erwin
L. 863	Duplicate		L. 2136	Bluebell
L. 882	B.C.		L. 2114	Matabelle

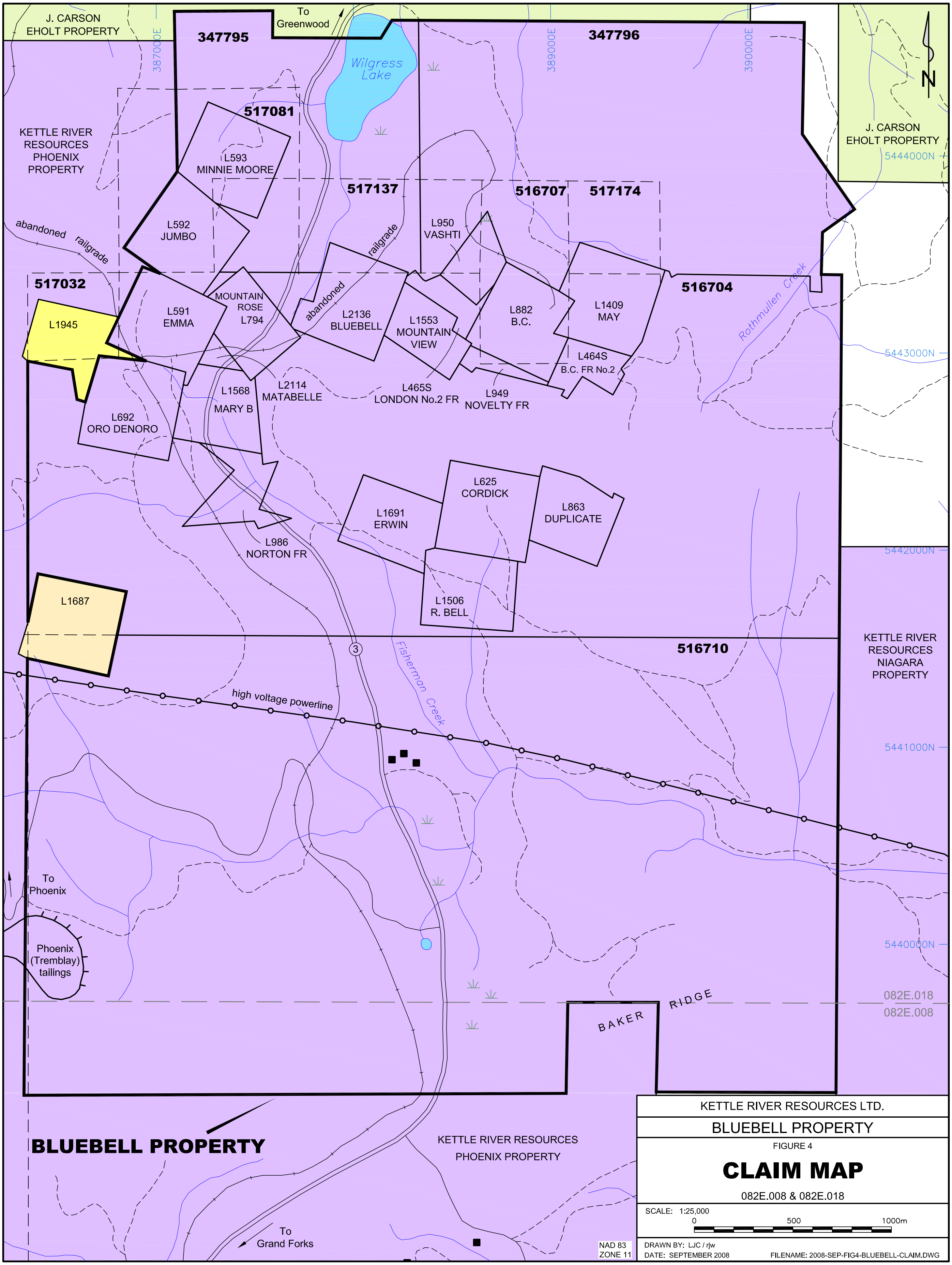
Table 4 - Bluebell Property Crown Grants

Tenure #	AREA (Ha)	EXPIRY DATE*
347795	225.0	2017/Dec/30
347796	375.0	2017/Dec/30
516704	739.87	2017/Dec/30
516707	42.27	2017/Dec/30
516710	930.46	2017/Dec/30
517032	21.14	2017/Dec/30
517081	63.40	2017/Dec/30
517137	42.27	2017/Dec/30
517174	21.14	2017/Dec/30

* expiry dates listed are after filing this report

Table 5 - Bluebell Property Claim Information

There is excellent road access to the property. Highway 3 passes through the claim block from north to south and the Phoenix road provides good access to the southwestern part of the property. A high tension powerline passes through the southern part of the property, in a generally east-west direction. Numerous powerline access roads and other secondary logging and mining exploration roads (including abandoned rail grades to the Oro Denoro, Emma and B.C. mines) provide further road access to the claims. The Thimble Mountain Trail, a moderately popular recreational trail for hikers and mountain bikers, passes through the



J. CARSON EHOLT PROPERTY
To Greenwood
347795
Wilgress Lake
347796
387000E
389000E
390000E
517081
KETTLE RIVER RESOURCES PHOENIX PROPERTY
L593 MINNIE MOORE
517137
516707
517174
J. CARSON EHOLT PROPERTY
5444000N
abandoned railgrade
L592 JUMBO
railgrade
L950 VASHTI
517032
MOUNTAIN ROSE L794
abandoned
516704
Rothmullen Creek
L1945
L591 EMMA
L2136 BLUEBELL
L1553 MOUNTAIN VIEW
L882 B.C.
L1409 MAY
L464S B.C. FR No.2
5443000N
L1568 MARY B
L2114 MATABELLE
L465S LONDON No.2 FR
L949 NOVELTY FR
L692 ORO DENORO
L625 CORDICK
L1691 ERWIN
L863 DUPLICATE
L986 NORTON FR
5442000N
L1687
L1506 R. BELL
3
Fisherman Creek
516710
KETTLE RIVER RESOURCES NIAGARA PROPERTY
high voltage powerline
5441000N
To Phoenix
Phoenix (Tremblay) tailings
5440000N
082E.018
082E.008
BAKER RIDGE
BLUEBELL PROPERTY
KETTLE RIVER RESOURCES PHOENIX PROPERTY
To Grand Forks
NAD 83 ZONE 11
KETTLE RIVER RESOURCES LTD.
BLUEBELL PROPERTY
FIGURE 4
CLAIM MAP
082E.008 & 082E.018
SCALE: 1:25,000
0
500
1000m
DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2008
FILENAME: 2008-SEP-FIG4-BLUEBELL-CLAIM.DWG
N

central portion of the property. One of the access points to the trail is at the B.C. Mine site while a second access point is approximately half a kilometer west of the R. Bell mine.

The majority of the Bluebell property is underlain by crown land, but areas with privately owned surface title do occur in the southern part of the claim block, adjoining Highway 3, and in the Wilgress Lake area. Kettle River Resources owns the surface land covering the Tremblay tailings in the southeastern part of the Bluebell property. A woodlot, operated by Darryl and Dawsha Hunt, covers a large area in the vicinity of the Oro Denoro and Emma mines.

2.3 Climate, Local Resources, Infrastructure & Physiography

As described above, access to the Phoenix and Bluebell properties is excellent. Local infrastructure is also very good. Highway 3 (the Southern Trans Provincial Highway) passes through the region, as do several major high-voltage powerlines and the Southern Crossing natural gas pipeline.

Limited services, including room, board and fuel, are available in the Greenwood (population < 1000). Grand Forks, located 40 kilometers east along Highway 3 from Greenwood, has a population of about 8,000 in the city and immediate surrounding area and is a more major supply centre. Most services needed for exploration are available in Grand Forks. The closest full-service airports are located in Kelowna, Penticton or Castlegar.

The topography of the area is generally moderate. On the Bluebell property, elevations range from about 1000 meters in the July Creek valley to about 1250 meters at the height of land north of Fisherman Creek, while on the Phoenix property they range from about 820 meters in the Eholt Creek valley to 1580 meters at the height of land on Knob Hill, just south of the former Phoenix mine.

Vegetation consists of moderate to open second growth mixed fir, pine and larch forest, with little undergrowth. Wetter areas on north slopes and in creek draws commonly have thick cedar forest. Portions of the region have been logged.

The climate is moderately dry, with hot summers and little rainfall. Snowfall is typically in the order of 1-2 meters. South slopes and areas at lower elevations are generally snow-free from early April to mid November, while the higher elevations are generally not free of snow until early May.

3.0 HISTORY

3.1 History of Exploration - Phoenix Property

The Phoenix property is a large property with a history of exploration and mining that dates back to the early-1890's when mineralization was discovered at what would become the Phoenix mine. By 1900, the city of Phoenix had been incorporated and full-scale production was underway at the mine(s). Mining continued at Phoenix, and intermittently at the nearby Snowshoe and Brooklyn mines, until 1919. Declining copper prices following the end of World War I, lower ore grades in the mines and a shortage of coal for the smelter in Grand Forks forced the Phoenix mine to close. Little work was done in the area until 1956, when the property was re-evaluated for its open-pit potential. A flotation mill was constructed on-site. Production began from the open-pit in 1959 and continued until 1978, by which time over 27 million tonnes at an average grade of 0.9% Cu and 1.1 g/t Au had been produced (including the early production).

Nineteen Minfile showings (including 6 past-producing mines) occur on the Phoenix property, as shown on Figure 5. Many of the Minfile occurrences describe showings that in early years were under separate ownership, but were subsequently acquired by Granby and became part of the Phoenix mine. Production data from the property is tabulated below in Table 6. Production data is reported separately for the Brooklyn-Idaho, Snowshoe, Rawhide and Phoenix properties in the early years when they were under separate ownership. After 1960, these properties were operated together by Granby as the Phoenix mine and production post-1960 is reported under the Phoenix property.

	Tonnes Mined	Au (gm)	Ag (gm)	Cu (kg)
Phoenix[1]				
1900-19	12,434,629	20,890,363	129,614,629	163,550,871
1920-42	47,107	191,407	842,144	554,753
1959-78	13,055,128	7,258,880	52,579,405	71,587,498
Total:	**25,536,864 tonnes @**	**1.1 g/t Au**	**7.2 g/t Ag**	**0.9% Cu**
Brooklyn-Idaho[2]				
1900	109	280		2,722
1904-08	258,737	640,007	3,136,856	3,257,737
1916-36	489	1,803	9,331	7,407
1937-40	30,827	208,297	257,315	264,629
1949	1,913	3,670	21,057	25,714
1960	821	933	6,096	8,631
Total:	**292,896 tonnes @**	**2.9 g/t Au**	**11.7 g/t Ag**	**1.2% Cu**
Rawhide[3]				
1904-1916	855,634	1,055,668	6,909,502	18,610,012
	855,634 tonnes @	**1.2 g/t Au**	**8.1 g/t Ag**	**2.2% Cu**
Snowshoe[4]				
1900-11	545,129	1,283,993	4,949,950	6,322,089
Total:	**545,129 tonnes @**	**2.4 g/t Au**	**9.1 g/t Ag**	**1.2% Cu**
Sylvester K[5]				
1989	5090			
Total:	**5,090 tonnes @**	**5.1 g/t Au**		
Marshall				
1967-75	370	15,210	17,635	
Total:	**370 tonnes @**	**41.1 g/t Au**	**47.7 g/t Ag**	

1. 1900-1919 production includes Gold Drop-Monarch
2. Includes Stemwinder production 1918-19, 1939,49. Production after 1960 is included with the Phoenix mine.
3. Production from the Rawhide after 1960 is included with the Phoenix mine
4. Production from 1957-64 is included with the Phoenix mine
5. Approximate gold grade reported (Seguin, 1989)

Table 6 - Phoenix Property Production Records

Only a brief summary of the early exploration and development history of the property is given below. Further details of the early history of the property are given by LeRoy (1912) and described in various Minister of Mines Annual Reports. A more detailed description of more recent work is included.

1891-1900	The first claims were recorded in the Phoenix area in 1891, and in 1896, the Miner-Graves syndicate (which became the Granby Consolidated Mining and Smelting, and Power Company) began development of the Old Ironsides - Knob Hill ore body. Construction of a smelter in Grand Forks was started, and in 1900 the first ore was shipped from Phoenix to the smelter. The City of Phoenix was incorporated the same year. Two railways (the CPR and the Great Northern) serviced the mines. Granby continued to operate the Phoenix mine until 1919. Although primarily an underground operation (in the early years), Phoenix was one of the early open pit mines in B.C. with 3 steam shovels and a large electric shovel mining from surface in addition to the underground work.
1900-04	Production began at the Snowshoe mine in 1900. The property was operated by Snowshoe Gold & Copper Mines, Limited.
1904-16	The Rawhide, Brooklyn and Idaho mines were all operated by the Dominion Copper Company (re-organized in 1908 to become the New Dominion Copper Company, with controlling interest held by the B.C. Copper Company). Until 1908, ore was shipped to the Dominion Copper Company smelter in Boundary Falls, and then after 1908, to the B.C. Copper Company's Greenwood smelter. A total of just over 250,000 tonnes at an average grade of 1.3% Cu and 2.5 g/t Au was mined from the Brooklyn-Idaho to the end of 1908. From 1904-1916, just over 850,000 tonnes averaging 2.2% Cu and 1.2 g/t Au was mined from the Rawhide.
1906-11	The Consolidated Mining and Smelting Company of Canada leased the Snowshoe mine in 1906, and continued to operate it until mine closure in 1911. By the end of 1911, the Snowshoe property had produced a total of almost 550,000 tonnes at an average grade of 1.2% Cu and 2.4 g/t Au. CM&S also worked on the War Eagle property during this time. A vertical shaft was sunk to a depth of 30 meters, and a 100 meter long cross-cut adit was driven. A gravity tram line was installed to transport ore to a railway spur near Hartford Junction. No production information is available for the War Eagle; this may be included with the Snowshoe production. Most of the Snowshoe ore was shipped to the Trail smelter, although some was smelted in Greenwood.
1913	Granby acquired the Snowshoe mine, but did not carry out any further mining here (until the second phase of work at the property from 1956-78).
1919	Granby closed the Phoenix mine in 1919, due to a drop in copper price following the end of the First World War, a decline in ore grades and a shortage of coking coal for the smelter furnaces (as a result of a strike in the Fernie coalfield). A total of over 12 million tonnes averaging 1.3% Cu and 1.7 g/t Au was produced from Phoenix during the years 1900 - 1919.
1930's-40's	W.E. McArthur purchased the Phoenix property from Granby and operated the mines on a small scale during the 1930's and 1940's. The majority of production during this period was from the Old Ironsides, Brooklyn and Idaho mines.
1938	The Marshall property was optioned by the Consolidated Mining and Smelting Company

and a program of diamond drilling (8 holes) and trenching was done. Twelve "veins" were reportedly found, including one which was said to be 2.4 meters wide and 100 meters long, averaging 8.2 g/t Au (Malcolm, 1945). The optioned was dropped the same year.

1951-53 Attwood Copper Mines optioned the Phoenix property in 1951, and over the next few years completed a program of geological mapping, geochemical and geophysical surveys as well as diamond drilling.

1955-78 In 1955, Granby re-acquired the Phoenix property from McArthur and re-evaluated the property for its open pit potential. By 1963, Granby had acquired the Snowshoe, Brooklyn-Idaho, Stemwinder and Rawhide mines, in addition to the historic Granby property. A flotation mill was built on-site and open pit production at Phoenix began in 1959 at a rate of 900 tons per day, was increased to 2000 tons per day in 1961 and further increased to 3000 tons per day in 1972. Granby terminated mining operations at Phoenix in 1976, and later dismantled and moved the Phoenix mill. Subsequent to the mine closure, Noranda purchased all of Granby's assets, including the Phoenix property.

Total production at Phoenix during the period 1900 - 1976 is reported at 27 million tonnes at a grade of 0.9% Cu and 1.12 g/t Au, from a number of different ore bodies (Church, 1986). This amounts to over 1 million ounces of gold production from the Phoenix deposit.

During the period of active mining at Phoenix in the 1960's and 1970's, extensive exploration was done on the property by Granby. Considerable diamond and percussion drilling was done in the vicinity of the mine and to a lesser extent, elsewhere on the property. Numerous IP surveys were also done in various parts of the property. No attempt has been made to document the many drill holes completed in the mine area (many of which relate to areas that were subsequently mined out). Voluminous records are on file in Kettle River's office that pertain to this work. A summary of drilling by Granby elsewhere on the property is given below. It is very likely that other holes were drilled which are not listed and which a more detailed review of Granby's data would reveal.

Paxton (1966) reports that two holes were drilled in 1966 to test a north-northeast trending chargeability anomaly in the vicinity of the proposed Twin Creek tailings area (prior to construction of the tailings dam). One hole intersected long sections of talc with disseminated pyrite.

In 1967 and 1968, a number of percussion holes tested the Gilt Edge area and a tabular zone of low-grade copper mineralization was identified. Several diamond drill holes were drilled to test the zone in 1969 and 1970, one of which returned assays of 0.23% Cu over 18 meters (Paxton, 1970).

In 1969, 3 diamond drill holes were drilled to test an IP anomaly about 300 meters west of the Lancashire Lass (the LG-2 area). One of the holes intersected a skarn zone in limestone, with "*a good deal of pyrite and pyrrhotite but practically no chalcopyrite.*" Gold grade is unknown. Granby recommended further drilling on this zone. An additional 3 holes were drilled to test IP anomalies in the LG-1 and LG-3 areas (Paxton, 1970). Drilling may also have been done to test IP anomalies on the West Pac grid.

1966-71 San Jacinto Explorations Ltd. acquired the Marshall and adjacent claims from Herb

Shear and completed a program of geological mapping, soil sampling, IP and trenching. Two zones of auriferous massive pyrite-pyrrhotite were discovered. In 1967 and 1968, several small shipments of sulfide material were made to the Cominco smelter in Trail (by San Jacinto and various lessees). Six shallow drill holes were done in 1969, and then in 1971, two additional shipments were made to the Trail smelter (Drummond, 1983).

1973-74 San Jacinto optioned the Marshall property to Highland Lode Mines Ltd. and a magnetometer survey was completed, as well as geological mapping, percussion drilling (on the Monte Cristo, Monte Carlo and Big Monte claims) and metallurgical testing. In 1974, a surface bulk sampling program was carried out on the Marshall Lake showings. It was reported that "*some 750 to 800 tons of material were moved of which 300 to 350 tons averaged between 1.0 and 1.5 oz/t gold and 0.5 oz/t silver with some zinc and copper values… One 8 to 10 ton lot assayed 7.3 oz/t gold, 5.43 oz/t silver and 4.56% copper*." An additional shipment of ore was made in 1975 (Britton, 1974; Drummond, 1983).

1980-83 Kettle River Resources optioned the Phoenix property from Noranda and began an exploration program to assess the property for gold mineralization. Geological mapping and rock sampling was done in the Brooklyn and Sylvester K areas in 1981 and 1982. A VLF-EM survey was also done, and follow-up backhoe trenching led to the discovery of the Sylvester K gold zone. Trenching exposed a zone of stratabound massive pyrite-pyrrhotite, averaging 3.5 meters in width, with an average grade of 10.3 g/t Au. A footwall stringer zone returned similar gold grades. Twenty-three diamond drill holes were drilled to test the Sylvester K zone. Drilling showed that the mineralized horizon was complexly faulted (Gilmour, 1981, 1982a,b; Stewart, 1986).

1984-87 Following the Sylvester K discovery, Noranda elected to participate in the Phoenix joint-venture, and became operator of the project. During 1984, an airborne geophysical survey was flown over the property and ground geophysics, geology and geochemistry was done to follow-up anomalous conductors. Four diamond drill holes were drilled in the Sylvester K - Brooklyn area in 1984, and an additional drill hole was done at the Brooklyn in 1985 (Keating and Bradish, 1984).

In 1987, Noranda completed one reverse circulation drill hole on the Wendy 13 claim, south of the Phoenix pit, to test for mineralization along gently dipping (Tertiary) shear zones, such as on the adjoining Crown (now Merit Mining's JD property) property. Anomalous gold values in drilling were associated with coarse grained pyrite-pyrrhotite in quartz-calcite vein material (Gill, 1987).

1985 In 1985, Kettle River Resources entered into an agreement with Canbec Resources Ltd. to earn a 60% interest in the Marshall-San Jacinto claims near Marshall Lake. Under an area of interest clause, these claims were included in the Noranda-Kettle River joint venture, with Noranda as the operator. A 1985 Kettle River news release reports that backhoe trenching and diamond drilling were done to test the Marshall zone. Details of this work are unknown.

1988-89 The Noranda-Kettle River joint venture granted Skylark Resources Ltd. the right to mine 250,000 tons of gold-bearing ore from the Sylvester K occurrence. Skylark completed a close spaced drill program and then commenced mining in January-February 1989. Ore was shipped to the Dankoe Mill near Keremeos for processing. The project was abandoned in March, 1989, after mining only 5,090 tonnes of ore (at an average grade of

5.1 g/t Au) (Seguin, 1989).

In 1988, Kettle River Resources acquired a 100% interest in the Canbec Marshall Lake claims, through a bankruptcy sale. These claims were included in the Phoenix property.

Detailed geological mapping was done in the Phoenix pit area as work towards a M.Sc. Thesis at Washington State University (Still, 1989).

1989-91 Kettle River Resources acquired 100% ownership to all of Noranda's claims, crown grants (surface and under surface) and Mine Leases in the Phoenix area.

1990-92 Battle Mountain (Canada) optioned the Phoenix property from Kettle River Resources in 1990, and completed a program of geological mapping, rock and soil sampling, and a ground magnetometer survey. Battle Mountain staked additional claims in the southeastern part of the property, which were subsequently transferred to Kettle River Resources. Battle Mountain's work followed a gold skarn model, similar to the then recently discovered Crown Jewel (Buckhorn Mountain) deposit. Most of Battle Mountain's work was concentrated within 2 to 3 kilometers of the Phoenix pit. In the spring of 1991, a 10 hole (960 meter) diamond drill program was completed. An IP survey was then completed and, in 1992, a further 9 holes (1364 meters) were drilled (Deighton et al, 1991; Leigh, 1991; Caron, 1992a,b; Roth, 1992).

1995-96 Kettle River Resources staked additional claims to cover open ground, including the Sunnyside showing in the northwestern part of the property.

1997 Echo Bay Minerals optioned the Phoenix property from Kettle River Resources, as part of a larger package of claims in the Greenwood area. Seven diamond drill holes were drilled in an attempt to locate the at-depth faulted offset of the Sylvester K zone. An additional 2 holes tested the northern strike extension of the zone, and one hole was drilled on the Marshall zone (Caron, 1997b; Rasmussen, 1997).

2002 Kettle River Resources completed a limited trenching program on the Phoenix marble occurrence.

2004 Access roads in the vicinity of the Phoenix mine were trenched and gated by Kettle River Resources, to address liability issues in the vicinity of the mine site. A GPS survey of claims was also done during 2004 (MacDonald and Klassen, 2004).

2005 Kettle River Resources staked MTO cell claims to cover crown grants within the Phoenix property, and converted legacy mineral claims to MTO cell claims.

2006 Kettle River Resources completed a program of prospecting and rock sampling on the Phoenix and Bluebell properties to explore for epithermal-style mineralization (Caron, 2006).

2007 Kettle River Resources completed a program of prospecting, soil and rock sampling, ground geophysics, excavator trenching and diamond drilling on the Bluebell and Phoenix properties, as summarized by Caron (2007, 2008). This work resulted in the discovery of the Minnie Moore showing on the Bluebell property, as well as the Battle zone on the Phoenix property.

3.2 History of Exploration: Bluebell Property

The Bluebell property has a similarly long history of exploration and mining, dating back to the mid-1890's when mineralization was discovered at the Emma, R. Bell, B.C., and Oro Denoro. Crown grants covering these and other showings, were issued in the late 1890's and early 1900's and considerable exploration and development work was done on many of the claims, and particularly at the Oro Denoro, Emma and B.C. mines, over the next 25 to 30 years. Thirteen Minfile showings (including 6 past-producing mines) occur on the Bluebell property, as shown on Figure 6. Production data from the property (compiled from Minfile) is tabulated below in Table 7.

	Tonnes Mined	Au (gm)	Ag (gm)	Cu (kg)
Emma[1]				
1901	590			
1902	7,662	5,972	113,744	67,088
1903	17,744	8,678	232,930	89,833
1904	37,077	26,749	331,713	180,184
1905	9,700	8,677	111,442	62,366
1906	14,107	10,730	129,637	133,152
1907	19,916	15,925	126,558	211,907
1908	477			954
1910	442			870
1911	10,387	10,295	72,688	94,384
1912	6,741	4,261	30,325	62,194
1916	14,405	13,001	129,606	155,303
1917	30,822	36,422	308,635	427,551
1918	18,700	23,918	232,588	267,848
1919	19,298	16,298	227,114	214,879
1920	16,393	14,059	205,840	185,189
1921	17,055	16,827	178,687	196,180
1927	22	31	373	466
Total:	**241,538 tonnes @**	**0.9 g/t Au**	**10.1 g/t Ag**	**1.0% Cu**
Oro Denoro				
1903	10,229	10,513	70,137	102,293
1904	15,799	21,274	144,847	240,371
1905	2,593	4,292	34,462	37,897
1906	8,146	12,192	93,340	116,473
1907	12,992	13,934	136,760	186,052
1908	52,807	41,305	335,757	770,824
1909	10,357	5,941	55,674	129,817
1910	10,407	6,656	77,633	102,991
1916	232	156	2,426	2,409
1917	220	187	2,333	1,490
Total:	**123,782 tonnes @**	**0.9 g/t Au**	**7.7 g/t Ag**	**1.4% Cu**
B.C. Mine				
1900	17,428	9,362	2,126,574	1,327,971
1901	42,471	20,715	2,905,673	1,646,419
1902	13,154		653,163	453,590
1903	16,119		805,817	544,366

1. 1905-1010 includes some production from the Mountain Rose

Table 7 - Bluebell Property Production Records cont …

	Tonnes Mined	Au (gm)	Ag (gm)	Cu (kg)
B.C. Mine, cont.				
1906	1,350	404	43,886	31,031
1907	1,529	529	48,738	29,265
1916	201	31	7,838	5,094
1917	612	31	20,963	16,195
1918	781		42,891	33,061
1919	109		6,221	4,536
1938	120	93	2,830	2,443
Total:	**93,874 tonnes @**	**0.3 g/t Au**	**71.0 g/t Ag**	**4.4% Cu**
Bluebell				
1938	23		933	422
1939	330	8,055	2,862	
Total:	**353 tonnes @**	**22.8 g/t Au**	**10.75 g/t Ag**	**0.1% Cu**
R. Bell				
1901	267		110,696	20,832
1918	20		2,053	450
Total:	**287 tonnes @**		**392.9 g/t Ag**	**7.4% Cu**
Cyclops				
1952	259			
Total:	**259 tonnes @**	**5.9% Zn**		

Table 7 - Bluebell Property Production Records, cont…

The early history of the property is summarized below, largely from descriptions in the Minfile occurrences and in the Minister of Mines Annual Reports. Additional details are available, particularly in the Minister of Mines Annual Reports, although they add little to an overall assessment of the property. More recent exploration work on the property is described in somewhat more detail, with specific references identified.

1894-99 Mineralization was discovered at the Emma, during railroad construction in 1894, and over the next few years crown grants were issued over most of the main showings in the Summit Camp. Considerable development work was done at the mines during this period and railroads were constructed to the Oro Denoro, Emma, B.C. and Bluebell mines.

1900-20 The period from 1900 - 1920 marked the height of mining activity in the Summit Camp, with the B.C., Emma and Oro Denoro mines all in full operation. A small amount of production is also noted from the Mountain Rose and R. Bell mines during this period.

For much of this time the B.C., Emma and Oro Denoro mines were all operated by the B.C. Copper Company, with ore shipped to the company's smelter in Greenwood for processing. Ore from the Emma was very low grade but was valuable because of its iron content and suitability as a flux in the smelter. A fire underground disrupted production from the Emma mine in 1912, but by 1916 the workings had been restored and production continued. In the latter years, the Consolidated Mining and Smelting Company operated the Emma mine.

1938-39 A small amount of production is reported from the Bluebell Mine.

1950-53 Silver Chief Mines carried out work on the Cyclops in 1950 and 1952. Work in 1950 including 488 meters of diamond drilling, then in 1952, an adit was driven about 40 meters and a short raise was completed to connect to the bottom of an old shaft. A shipment of 259 tonnes, at a grade of 5.9% Zn, was mined and processed in the Providence mill in Greenwood.

A series of percussion and diamond drill holes are reported to have been drilled north of the B.C. Mine (between 1953 and 1965) but details as to hole locations and results are uncertain. Considerable drilling is also reported east of the Emma Mine in this same time period (Hitchens, 1991).

1955-6 Noranda Mines Ltd. completed a program of geological mapping, geophysics and drilling. 17 holes (including 2 underground holes) were drilled at the Oro Denoro, 2 were drilled at the Swallow and 2 at the R. Bell (Weymark, 1966).

1957 Carswell (1957) completed a M.Sc. thesis entitled "The Geology and Ore Deposits of the Summit Camp, Boundary District, British Columbia" and examined, sampled and described many of the showings on the current Bluebell property.

1963-70 West Coast Resources Ltd. optioned the Oro Denoro and did ground magnetics, mapping, and drilled 29 surface and 17 underground holes. Kermeen (1966) examined the property on behalf of Granby and concluded that drilling to date had identified a resource of 274,000 tonnes grading 1.3% Cu, which he felt could be mined at a modest profit.

West Coast Resources had Weymark Engineering conduct a feasibility study of the deposit, based on the results of the drilling. Indicated reserves for the Oro Denoro were quoted 42.5 million tonnes @ 0.93% Cu, 0.8 g/t Au, and 11.0 g/t Ag (Weymark, 1966). **THIS ESTIMATES DOES NOT CONFORM TO 43-101 STANDARDS.** Furthermore, in 1983, a re-examination of drill core on which these results were based was completed. Regarding this re-examination of drill core, Rayner (1995) stated that:

> "*the observed core intersections in the box visually could not possibly have produced results as high as the quoted assay values shown in the log*".

Subsequent work by Dolmage Campbell and Associates further discredited the Weymark estimate, as described below. **THE ESTIMATE SHOULD BE REGARDED WITH THIS IN MIND.**

Furukawa Mining Co. Ltd. optioned the Oro Denoro from West Coast Resources and drilled an additional 42 vertical diamond drill holes to test the deposit. West Coast Resources Ltd then completed 120 meters of drifting at the Oro Denoro and commissioned a feasibility study by Dolmage, Campbell and Assoc. (1968), which stated that:

> *"In the first place, no applied geology was used in interpreting the results of the drilling and assaying, and secondly, no sensible method of calculation was made, all of the data was simply fed to a computer. Since the orientation and concentrations of drill holes (and assays) were without sensible relation to the geometry of the ore bodies involved, the computerization was not effective or suitable … Had some simple geological mapping and interpretation been done early in the 1964-66 drill program not as much drilling would have been necessary, the Furukawa program would not have been conducted in the manner it was and the expense of computerization would have been avoided."*

A drill indicated resource of 650,000 tonnes grading 0.85% Cu was identified by Dolmage, Campbell, however this still relied on assay data from drilling which Rayner (1995) has subsequently discredited. **THIS ESTIMATE DOES NOT CONFORM TO 43-101 STANDARDS**

AND SHOULD BE TREATED WITH CAUTION.

1966-69 A limited ground mag survey was done over the R. Bell and Cordick crown grants, by Bornite Mines Ltd. (Sullivan, 1966).

King Resources held the Rockland crown grant (now part of the Bluebell property) west of the Oro Denoro as part of the Stan-Rockland property. IP and mag surveys plus geological mapping, rock and soil sampling was completed.

Giant Explorations Limited did trenching, magnetometer and soil surveys at the Cyclops showing.

West Coast Resources completed an IP survey and did minor diamond drilling in the vicinity of the Emma during 1968 and 1969 (Finney, 1968a,b).

Granby completed an IP survey on the Pac claims, southeast of the R. Bell in 1966, and then drilled 9 diamond drill holes in 1968 to test IP anomalies (Paxton, 1966; Caron, 1996a).

1970-71 Reinsbakken (1970) completed geological mapping of the current Bluebell property, as part of a M.Sc. thesis entitled "Detailed Geological Mapping and Interpretation of the Grand Forks - Eholt Area, Boundary District, British Columbia"

Bayland Mines optioned the Tokyo claims (from Herman Hoehn) and carried out a small IP survey. A drill hole was reported to have returned 13.7 g/t Ag and 0.87% Cu over 7.6 meters (Minfile 082ESE257).

Jason Explorations did soil sampling, IP and hammer seismic on the Stan-Rockland claims.

Granby completed a soil geochem survey (Cu and Zn only) in the Pac area, and drilled a further 4 diamond and 7 percussion holes in this area.

1974-76 Granby Mining Corp optioned the Oro Denoro and completed mapping, ground geophysics, trenching and a percussion drill program. Test mining was done from an open pit at Oro Denoro and 123,400 tonnes of "mineralized rock" was taken to the Phoenix mill before the mining operation was abandoned.

Granby also drilled 15 short diamond drill holes west and south of the B.C. Mine. Intercepts of 2.74% Cu over 2.5 meters and 0.47% Cu over 5.5 meters were reported (Hitchens, 1991).

1979 New Frontier Petroleum optioned the Oro Denoro claims and completed a small amount of surface work and sampling of old workings.

1981-82 Kettle River Resources optioned the B.C. Mine and a number of adjacent claims. The old B.C. mine workings were dewatered to the 200-foot level. Geophysical and geochemical surveys were completed and a small amount of trenching was done.

1982-84 Kettle River merged their B.C. Mine claims with New Frontier's Oro Denoro claims to form the Bluebell joint venture (51% Kettle River, 49% New Frontier). A program of geological mapping, rock and soil geochemistry and geophysics (mag, VLF-EM, SP) was completed in 1983, which resulted in a new massive sulfide (pyrrhotite, pyrite, sphalerite) discovery east of the B.C. Mine near Rathmullen Creek. Trenching and very limited drilling was done to test the discovery. Limited trenching was also done on the Mountain View and Bluebell targets (Kyba and Daughtry, 1984).

In 1984, New Fronteir's interest in the joint venture was transferred to Bulkley Silver (51% Kettle River, 49% Bulkley Silver), and then in 1987 to Houston Metals Corp and Petro Mac Energy Inc.

1984-85 Noranda Exploration Company Limited held the Thim Group in the southeastern part of the current Bluebell property, in joint venture with Kettle River Resources (as part of a much larger land package including most of the current Phoenix property). Noranda completed a Dighem III airborne mag/EM survey over the claims. Two airborne EM anomalies were identified on the lower west facing slope of Thimble Mountain. Ground mag and Max Min EM survey was completed over the airborne anomalies, and three EM conductors were delineated. Two backhoe trenches and 8 test pits were dug in November 1985, to test the EM conductors. Trenching uncovered a dark grey to black siliceous pyritic breccia (the Thim breccia) (Keating and Mitchell, 1985).

1987 The Bluebell joint venture (Kettle River/Houston Metals Corp and Petro Mac Energy Inc.) granted an option to Skylark Resources Ltd. to earn a 51% interest in the property. Skylark completed soil and ground magnetometer surveys over a small grid on the Emma and Jumbo crown grants, and then drilled 6 NQ diamond drill holes (totalling 873 meters) to test anomalies on-strike of known mineralized zones. Skylark dropped their option on the property in March of 1988 (Burns, 1988).

1987 Imasco obtained a 6 month License of Occupation (issued by the Ministry of Forests and Lands under regulations then in effect) to drill test the Eholt limestone showing. There is no documentation that any work was completed on the showing.

1989 Polestar Exploration Inc. undertook a geostatistical study of the Oro Denoro deposit. Polestar's main interest in the Oro Denoro was for the garnet resource. Polestar felt that the economics of a garnet operation would require an open pit scenario where copper could be recovered at a profit to offset the cost of separating and cleaning a garnet concentrate. They concluded that such an operation was not viable (Giroux, 1989).

1990-91 In December 1990, Kettle River purchased all of Petro Mac Energy's interest in the Bluebell property, to hold 100% of the property. Battle Mountain (Canada) Inc. (who then held the Phoenix property under option from Kettle River) then completed a review of data on the property. Further work was recommended on 23 different targets (Kyba, 1990), but the claims were subsequently optioned to Canamax Resources.

Canamax completed a program of airborne geophysics, followed by a drill program in January and February 1991 to test airborne geophysical anomalies. Six diamond drill holes totalling 970 meters were drilled. Three of the drill holes tested airborne mag high anomalies (north and south of Wilgress Lake) for the possibility of magnetite rich skarn mineralization, without success. Two holes were drilled north of the B.C. Mine to test the on-strike continuation of mineralization and one hole was drilled just north of the Bluebell showing to test for mineralization along the limestone/volcanic contact. A program of geological mapping, rock and soil sampling was then done in the summer of 1991 (Johnson, 1991; Hitchens, 1991). Canamax dropped their option on the property late in 1991.

1992 Crownex Resouces Ltd. completed a small geochemical and geophysical program at the Tokyo showing, for Herman Hoehn. A rock sample was reported to have assayed 25.4 g/t Ag, 1.07 g/t Au and 1.0% Cu (Minfile 082ESE257).

1995-96 Kettle River Resources Ltd. completed a review of previous work on the Bluebell property, followed by geological mapping, soil and rock sampling programs over select targets (Rayner, 1995; Kyba 1996a,b; Caron 1996b). A new discovery was made in outcrop (high grade gold in silicified limestone), in follow-up to anomalous gold in soils near the old R. Bell mine workings. Several blast trenches were done on the newly discovered "Summit vein", followed by a 14 hole (1080 meter) diamond drill program (Caron, 1997a). During this period, additional claims were staked to cover open ground, including the former Rockland crown grant and the Tokyo showing.

1997 Echo Bay Minerals Co. optioned the Bluebell property from Kettle River Resources (as part of a larger land package) and completed a 23 hole (1476 meter) diamond drill program to test the R. Bell, Bluebell and North Emma showings (Rasmussen, 1997). Echo Bay dropped their option on the property late in 1997.

2004 Kettle River Resources completed a GPS survey of (former) located claims comprising the Bluebell property (Macdonald and Klassen, 2004).

2005 Kettle River Resources staked MTO cell claims to cover all of the crown grants within the Bluebell property, and converted most of the legacy mineral claims to MTO cell claims.

2006 Kettle River Resources completed a program of prospecting and rock sampling on the Phoenix and Bluebell properties to explore for epithermal-style mineralization (Caron, 2006).

2007 Kettle River Resources completed a program of prospecting, soil and rock sampling, ground geophysics and excavator trenching on the Bluebell and Phoenix properties, as summarized by Caron (2007). This work resulted in the discovery of the Minnie Moore showing on the Bluebell property, as well as the Battle zone on the Phoenix property. Follow-up work was done at the Minnie Moore showing in the fall of 2007, including soil sampling, additional excavator trenching and diamond drilling (10 holes totalling 1485 meters), as described by Caron (2008).

3.3 Summary of 2008 Work Program

The 2008 work program was carried out from May 3, 2008 to July 30, 2008 and consisted prospecting, rock sampling, grid work, soil sampling, excavator trenching and diamond drilling. A total of 217 man-days were spent on the 2008 work program, which was supervised by Linda Caron.

Prospecting and Rock Sampling

Rock Samples:	109
Work by:	Alfi Elden, Terry Pidwerbeski, Roger Kennedy
Dates:	May 8 – June 5, 2008
Submitted to:	International Plasma Laboratory Ltd., Richmond, B.C.
Analysis for:	Package 1302 (30 gm Au FA/AAS, multi-element ICP)

Grid Work and Soil Sampling

Minnie Moore grid extension	Cross lines:	50 meter spacing, UTM east-west lines
	Stations:	12.5 meter spacing
	Total line km:	2.29 km
	Type:	Chain/compass with flagging and tyvex tags
	Soil Samples:	193
	Dates:	May 3 – May 7, 2008
	Work by:	Alfi Elden, Roger Kennedy
	Submitted to:	Acme Analytical Laboratory, Vancouver, B.C.
	Analysis:	Au, multi-element ICP

Excavator Trenching

Number of Trenches:	5
Lineal Meters:	235
Type of Equipment:	Hitachi EX30
Equipment Contractor:	Lime Creek Logging Ltd, Grand Forks, B.C.
Dates:	May 26 – 28, 2007
Trench Mucking/Sampling:	Terry Pidwerbeski, Alfi Elden, Nicole Hecht
Geological Mapping:	Linda Caron
Trench Samples:	47
Submitted to:	International Plasma Laboratory Ltd., Richmond, B.C.
Analysis for:	Package 1302 (30 gm Au FA/AAS, multi-element ICP)

Diamond Drilling

Dates:	May 19 – July 17, 2008
Number of Holes:	14
Total Meters:	2551
Number of Samples:	748
Core Logging:	Jack Lucke, Linda Caron
Core Sampling:	Nicole Hecht
Drill Contractor:	More Core Drilling Services Ltd., Stewart, B.C.
Submitted to:	International Plasma Laboratory Ltd., Richmond, B.C.
Analysis for:	Package 1302 (30 gm Au FA/AAS, multi-element ICP)

4.0 GEOLOGY

4.1 Regional Geology

Numerous people have mapped portions of the Boundary District on a regional basis, including Massey (2006), Höy and Dunne (1997), Fyles (1984, 1990), Little (1957, 1961, 1983), Monger (1967), Church (1986), Parker and Calkins (1964), Muessig (1967) and Cheney and Rasmussen (1996). While different formational names have been used within different parts of the district, the geological setting is similar.

The Boundary District is situated within Quesnellia, a terrane that accreted to North America during the mid-Jurassic. Proterozoic to Paleozoic North American basement rocks are exposed in the Kettle and Okanogan metamorphic core complexes. These core complexes were uplifted during the Eocene, and are separated from the younger overlying rocks by low-angle normal (detachment) faults. The distribution of these younger rocks is largely controlled by a series of faults, including both Jurassic thrust faults (related to the accretionary event), and Tertiary extensional and detachment faults.

The oldest of the accreted rocks in the district are late Paleozoic volcanics and sediments. In the southern and central parts of the district, these rocks are separated into the Knob Hill Complex and overlying Attwood Groups. Rocks of the Knob Hill Complex are of dominantly volcanic affinity, and consist mainly of chert, greenstone and related intrusives, and serpentinite. The serpentinite bodies of the Knob Hill Complex represent parts of a disrupted ophiolite suite which have since been structurally emplaced along Jurassic thrust faults. Commonly, these serpentinite bodies have undergone Fe-carbonate alteration to listwanite, as a result of the thrusting event. Serpentinite is also commonly remobilised along later structures. Unconformably overlying the Knob Hill rocks are sediments and volcanics (largely argillite, siltstone, limestone and andesite) of the late Paleozoic Attwood Group.

The Paleozoic rocks are unconformably overlain by the Triassic Brooklyn Formation, represented largely by limestone, clastic sediments and pyroclastics. Both the skarn deposits and the more recently recognized stratabound gold-bearing volcanogenic magnetite-sulfide deposits which occur in the district are hosted within the Triassic rocks. Volcanic rocks overlie the limestone and clastic sediments of the Brooklyn Formation and may be part of the Brooklyn Formation, or may belong (in part) to the younger Jurassic Rossland Group. In the western part of the district, the Permo-Triassic rocks are undifferentiated at present and grouped together as the Anarchist Group.

At least four separate intrusive events are known regionally to cut the older rocks, including the Jurassic aged alkalic intrusives (i.e. Lexington porphyry, Rossland monzonite, Sappho alkalic complex), Triassic microdiorite related to the Brooklyn greenstones, Cretaceous-Jurassic Nelson intrusives, and Eocene Coryell (and Scatter Creek) dykes and stocks.

In the Greenwood area, Fyles (1990) has shown that the pre-Tertiary rocks form a series of thrust slices, which lie above a basement high-grade metamorphic complex. A total of at least five thrust slices are recognized, all dipping gently to the north, and marked in many places by bodies of serpentine. There is a strong spatial association between Jurassic thrust faults and gold mineralization in the area.

Eocene sediments and volcanics unconformably overlie the older rocks. The oldest of the Tertiary rocks are conglomerate and arkosic and tuffaceous sediments of the Eocene Kettle River Formation. These sediments are overlain by andesitic to trachytic lavas of the Eocene Marron Formation, and locally by rhyolite flows and tuffs (such as in the Franklin Camp). The Marron volcanics are in turn unconformably overlain by lake bed sediments, lahars and volcanics of the Eocene Klondike Mountain Formation. The Klondike Mountain Formation is largely missing in the Greenwood area.

Three Tertiary fault sets are recognized, an early gently east dipping set, a second set of low-angle west dipping, listric normal (detachment-type) faults, and a late, steep dipping, north to northeast trending set of right or left lateral or west side down normal faults (Fyles, 1990). Epithermal gold mineralization, related to Eocene structural activity, has been an important source of gold in the Boundary District.

The Tertiary rocks are preserved in the upper plates of low-angle listric normal (detachment-type) faults related to the uplifted metamorphic core complexes, in a series of local, fault-bounded grabens (i.e. Republic graben, Toroda graben) (Cheney and Rasmussen, 1996; Fyles, 1990). In the Greenwood area, a series of these low-angle faults occur (from east to west, the main low-angle faults are the Granby River, Thimble Mountain, Snowshoe, Bodie Mountain, Deadwood Ridge, Windfall Creek, and Copper Camp faults). These faults have taken a section of the Brooklyn stratigraphy and sliced it into a series of discrete blocks, each separated by a low-angle fault. For example, the Phoenix section is rooted by the Snowshoe fault. Overlying these rocks were rocks now exposed about 6 kilometers to the west in the Deadwood Camp. The Deadwood segment was in turn overlain by rocks now situated to the west above the Copper Camp fault. The low angle Tertiary faults have displaced pre-Tertiary mineralization (i.e. the Deadwood camp represents the top of the Phoenix deposit), however current thinking attributes at least some of the gold in the deposits to the low angle Tertiary faults that underlie them. Many smaller low angle detachment-type faults are recognized on a property scale, and are often marked by Eocene sills which mask rocks the underlying fault plate. Because the skarn and VMS/O deposits have a strong stratigraphic control, an understanding of both stratigraphy and structure is critical to exploration success.

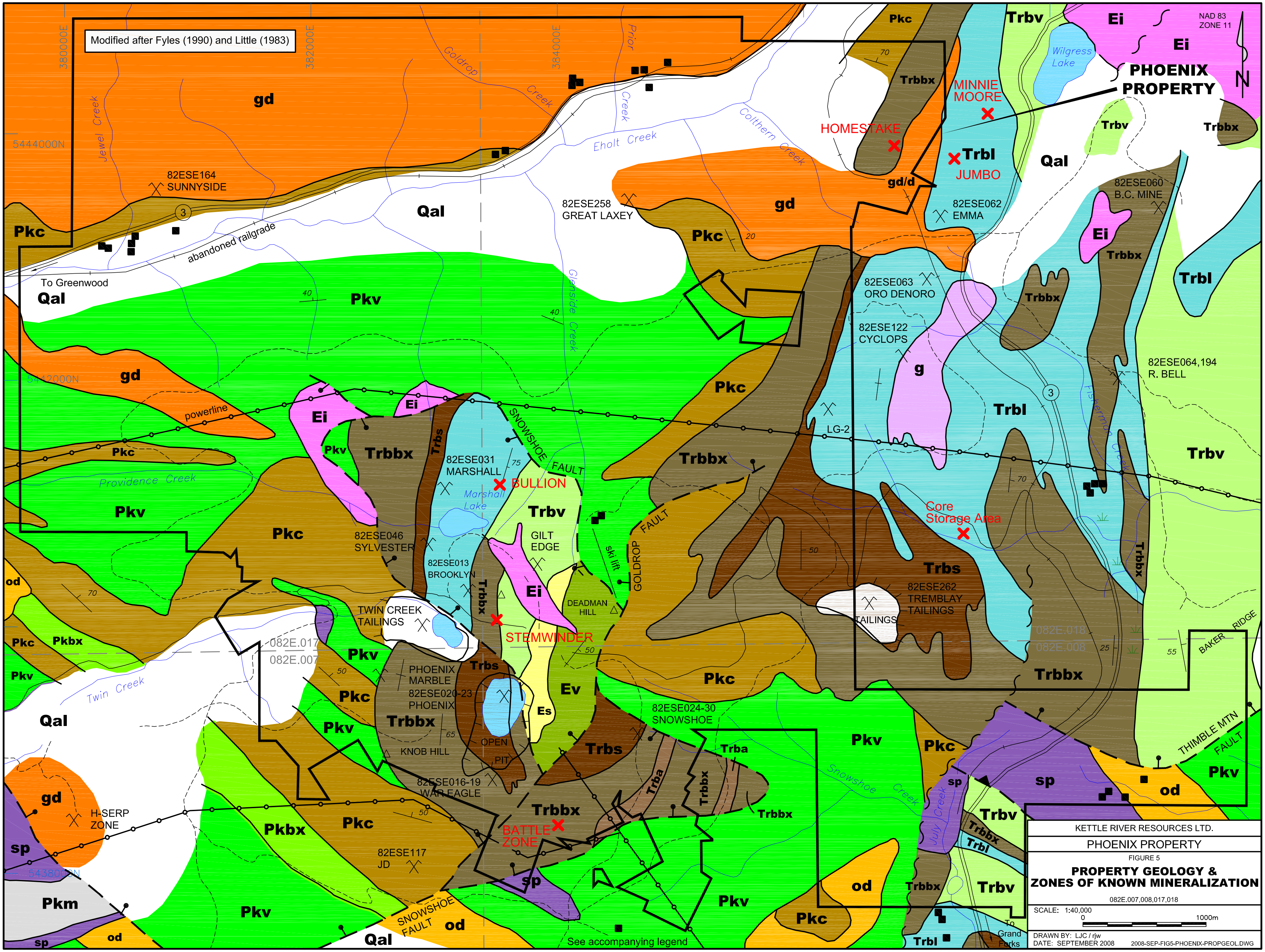
Most of the historical production and previous exploration in the Boundary District has been directed at gold or copper-gold/silver mineralization. The important gold and copper-gold deposits within the Boundary District can be broadly classified into six deposit types, including copper-gold or gold skarn deposits, gold-bearing volcanogenic magnetite-sulfide deposits (Lamefoot-type), mesothermal quartz veins with gold (+ silver, lead, zinc), epithermal quartz veins (and gold along Eocene structures), Jurassic alkalic intrusives related copper, gold, silver and/or PGE mineralization, and gold mineralization associated with serpentinite. Details and examples of each of these styles of mineralization are contained in Caron (2005) and are not repeated here.

4.2 Phoenix Property: Geology

The general geology of the Phoenix property is shown on Figure 5. A geological legend to accompany this (and other geology maps included later in this report) follows Figure 5. Numerous people have mapped the immediate Phoenix mine area in greater detail than that shown on the property geology map (i.e. Deighton et al, 1991; Still, 1989; Fyles, 1985; White, 1949; LeRoy, 1912). The reader is referred to these sources for a more detailed discussion of the geology and structure in the vicinity of the Phoenix mine.

The Phoenix property is underlain by chert and greenstone of the Knob Hill Complex. In the central portion of the property, a section of the Triassic Brooklyn Formation rests unconformably above the Knob Hill rocks and is separated from the older rocks by the Snowshoe Fault. The Brooklyn sequence is comprised of a basal section of chert pebble conglomerate (known locally as “sharpstone conglomerate”), which is overlain by tuffaceous sandstone and siltstone, then by massive limestone and finally by fragmental greenstone.

Regionally, stratiform volcanogenic massive sulfide/oxide mineralization occurs at the top of the sharpstone unit (above the tuffaceous siltstone), stratigraphically below massive Brooklyn limestone (i.e. the Lamefoot horizon). Most of the mineralization in the Phoenix area has historically been considered to be copper-


Modified after Fyles (1990) and Little (1983)
NAD 83
ZONE 11
N
PHOENIX PROPERTY
380000E
382000E
384000E
5444000N
5442000N
5438000N
082E.017
082E.007
082E.018
082E.008
Jewel Creek
Goldrop Creek
Prior Creek
Eholt Creek
Colthern Creek
Wilgress Lake
Glenside Creek
Providence Creek
Marshall Lake
Twin Creek
Snowshoe Creek
July Creek
Fisherman Creek
abandoned railgrade
powerline
ski lift
To Greenwood
To Grand Forks
82ESE164 SUNNYSIDE
82ESE258 GREAT LAXEY
82ESE062 EMMA
82ESE060 B.C. MINE
82ESE063 ORO DENORO
82ESE122 CYCLOPS
82ESE064,194 R. BELL
LG-2
82ESE031 MARSHALL
82ESE046 SYLVESTER
82ESE013 BROOKLYN
GILT EDGE
DEADMAN HILL
TWIN CREEK TAILINGS
PHOENIX MARBLE
82ESE020-23 PHOENIX
KNOB HILL
OPEN PIT
82ESE016-19 WAR EAGLE
82ESE024-30 SNOWSHOE
82ESE117 JD
82ESE262 TREMBLAY TAILINGS
TAILINGS
H-SERP ZONE
MINNIE MOORE
HOMESTAKE
JUMBO
BULLION
STEMWINDER
BATTLE ZONE
Core Storage Area
SNOWSHOE FAULT
GOLDROP FAULT
BAKER RIDGE
THIMBLE MTN FAULT
Qal
gd
gd/d
Pkc
Pkv
Pkbx
Pkm
Ei
Trbv
Trbl
Trbbx
Trbs
Trba
Ev
Es
g
od
sp
See accompanying legend
KETTLE RIVER RESOURCES LTD.
PHOENIX PROPERTY
FIGURE 5
PROPERTY GEOLOGY &
ZONES OF KNOWN MINERALIZATION
082E.007,008,017,018
SCALE: 1:40,000
0
1000m
DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2008
2008-SEP-FIG5-PHOENIX-PROPGEOL.DWG

GEOLOGICAL LEGEND

Qal Quaternary Alluvium

EOCENE

Ei Coryell Intrusions
Syenite, pulaskite, monzonite and diorite dykes, sills and intrusions.

Ev Marron Formation
Andesite and trachyte flows.

Es Kettle River Formation
Volcaniclastic and arkosic sediments.

CRETACEOUS and/or JURASSIC

gd / d Nelson Plutonic Complex
Granodiorite and diorite dykes and stocks.

g Gabbro

TRIASSIC BROOKLYN FORMATION

Trbv Brooklyn Volcanics
Fine grained, chloritic and locally calcareous greenstone. Locally grades to microdiorite.

Trbl Brooklyn Limestone
Massive white to grey limestone, locally well bedded. May be dark grey, carbonaceous limestone.
Also includes minor calcareous sandstone.

Trbs Brooklyn Sediments
Tuffaceous sandstone, siltstone and hornfels.

Trbbx Brooklyn Conglomerate
Chert breccia (sharpstone conglomerate), tuffaceous sandstone and polymictic (+limestone cobble) conglomerate.

Trba Brooklyn argillite and black siltstone

PERMIAN ATTWOOD GROUP

Paa Attwood Sediments
Black siltstone and phyllite, cherty siltstone, minor sandstone, conglomerate and greenstone.

Pal Attwood Limestone
Massive grey and white limestone, locally well bedded.

PERMIAN KNOB HILL COMPLEX

Pkc Knob Hill Chert
Chert plus minor argillite, siliceous greenstone.

Pkv Knob Hill Greenstone
May be siliceous and grade to Pkc.

Pkbx Knob Hill Chert Breccia and Conglomerate

Pkm Knob Hill Metamorphic Rocks
Chlorite schist, meta-intrusive, quartzite and chlorite-biotite schist.

od Old Diorite
Coarse to fine-grained hornblende diorite laced with feldspathic veinlets.

sp Serpentinite

Skarn	Quartz vein	Pit
Silicification	High angle fault	Adit
50 Strike/dip of bedding	Low angle detachment fault	Shaft
50 Strike/dip of foliation	Thrust fault	Trench
	Drill hole	Open stope

gold skarn-type mineralization. While there is unquestionably skarn gangue mineralogy at many of the known mineralized zones, current thinking now attributes much of mineralization within the skarns to a volcanogenic event that pre-dates the skarn alteration. An Eocene gold event is also recognized which post-dates the skarn alteration. Epithermal-type quartz veins are seen cross-cutting skarn alteration in the vicinity of the War Eagle. Eocene sediments are in fault contact with the Brooklyn rocks along the east side of the Phoenix pit. An epithermal quartz vein cuts both the skarn and Eocene sediments within this section of the pit. The Eocene sediments are overlain to the east by Eocene volcanics.

The Snowshoe fault, which underlies the Brooklyn rocks in the Phoenix mine area, is a low-angle, Eocene-aged, arcuate listric normal fault with top to the west movement (and perhaps a component of dextral strike-slip movement). All of the known mineralization in the Phoenix mine area (including the Phoenix, Stemwinder, Brooklyn and Snowshoe deposits, and the War Eagle, Sylvester K, Marshall and Gilt Edge showings) occurs within a (maximum 300 meter and typically in the order of 150 meter thick) panel of Brooklyn rocks in the hangingwall of the Snowshoe fault. There has been relatively little exploration on the property outside of this detached panel of Brooklyn stratigraphy.

The Snowshoe fault is one of a series of Eocene-aged detachment-type faults in the Greenwood area. As described in Section 4.1, these low-angle faults have taken a section of the Brooklyn stratigraphy and sliced it into a series of discrete blocks. In a general sense, the Brooklyn rocks in the Summit basin (in the eastern part of the Phoenix property and on the adjoining Bluebell property) represent rocks which were formerly beneath those currently exposed at Phoenix. The Phoenix section is rooted by the Snowshoe fault and represents the detached top of the Summit section. Overlying the Phoenix section were rocks now exposed about 6 kilometers to the west in the Deadwood Camp.

Many smaller low-angle detachment-type faults, sympathetic to the larger faults, are recognized on a property scale. These low-angle faults are often marked by Eocene sills (common on surface and at shallow depths) which mask rocks the underlying fault plate. The low-angle Tertiary faults have not only displaced pre-Tertiary mineralization, but in places they control gold mineralization.

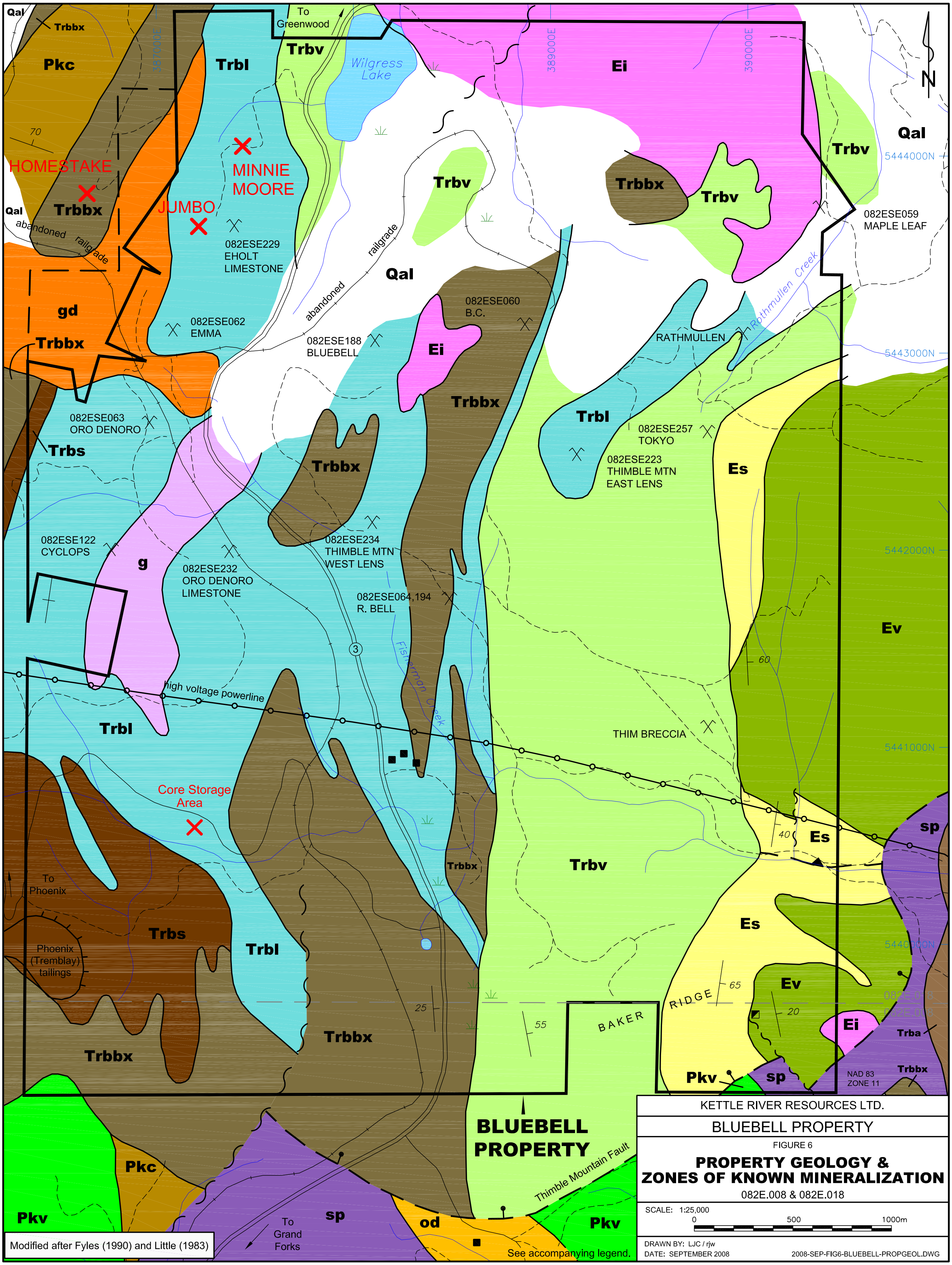
The entire Phoenix section is complexly faulted with a series of Tertiary faults of various attitudes, and as a result, it is difficult to identify pre-Tertiary structures. The older rocks (and pre-Tertiary mineralization) have been tilted in the Tertiary extensional event, so that deposits which were deposited horizontally are now moderate to steeply dipping. A large fold (the Phoenix syncline) has been postulated in the Phoenix area, with the U-shaped form of the Phoenix deposit outlining the hinge zone.

Nineteen Minfile showings (including 6 past-producing mines) occur on the property, as shown on Figure 5. Each of these showings is described in detail in Caron (2005). Areas of interest resulting from recent work programs on the property are also shown on Figure 5.

4.3 Bluebell Property: Geology

The general geology of the Bluebell property is shown on Figure 6. Numerous people have mapped the property in greater detail than that shown on Figure 6, including Carswell (1957), Reinsbakken (1970), Kyba and Daughtry (1984) and Hitchens (1991), however questions as to stratigraphy and structure still remain, as described below.

The property covers a large area of the Triassic Brooklyn Formation in an area referred to as the B.C. (or Summit) Basin. The B.C. Basin hosts the thickest sequence of Brooklyn rocks exposed in the Greenwood area. A number of significant mineral occurrences are located within the basin, in what has historically been known as the Summit Camp. The mineral occurrences include copper skarn-type deposits, such as the Oro Denoro, where mineralization has strong structural controls and cross-cuts stratigraphy, as well as a



KETTLE RIVER RESOURCES LTD.

BLUEBELL PROPERTY

FIGURE 6

PROPERTY GEOLOGY & ZONES OF KNOWN MINERALIZATION

082E.008 & 082E.018

SCALE: 1:25,000 — 0 500 1000m

DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2008
2008-SEP-FIG6-BLUEBELL-PROPGEOL.DWG

number of occurrences such as the Emma and B.C. Mine where massive sulfides/oxides (with high precious metal content) are stratabound and may be volcanogenic in origin. Stratabound mineralization also occurs at the Cyclops, Rathmullen and Lancashire Lass showings (the latter within but not part of the Bluebell property), among others.

The main lithologies on the property are massive limestone, chert pebble (sharpstone) conglomerate and fragmental volcanics (all belonging to the Brooklyn Formation) however there is considerable disagreement amongst previous workers as to the stratigraphic section. Kyba and Daughtry (1984) describe a simple section which youngs to the east. Peatfield (1978) and Reinsbakken (1970) believe that the stratigraphy has been folded, while Fyles (1990, 1992) believes that the sequence is faulted, with a series of discrete fault panels each with east-facing stratigraphy. The author favours this latter hypothesis, but detailed mapping is required to confirm it.

The Brooklyn rocks overlie Knob Hill chert (exposed west of the property) and are in turn overlain on the east by Eocene sediments and volcanics on Baker Ridge and Thimble Mountain. These Eocene rocks have an abrupt western boundary that may be faulted, with the rocks east of the fault uplifted (?).

A granodiorite intrusive (part of the Jurassic-Cretaceous Nelson suite and known locally as the Lion Creek granodiorite) occurs in the western part of the property, near the Oro Denoro mine. Copper skarn mineralization at the Oro Denoro is related to the Lion Creek granodiorite. A feldspar-hornblende porphyritic diorite occurs just west of the Emma mine (the Emma diorite) and a small body of fine grained, dark greenish-grey gabbro (the Cyclops gabbro) occurs east of the Oro Denoro mine, near the Cyclops zinc showing. The age of the gabbro is unknown, but it cross-cuts the Brooklyn stratigraphy and is in turn cut by Eocene dykes. Reinsbakken (1970) felt that both the Cyclops gabbro and Emma diorite were border phases of the Nelson suite.

Numerous Eocene syenite stocks, dykes and sills intrude the Brooklyn rocks, and often mark the position of Eocene structures. Exploration is hampered by these sills, which mask the rocks in the underlying fault panel.

Thirteen Minfile showings (including 6 past-producing mines) occur on the Bluebell property, as shown on Figure 6. Descriptions of these (and other) showings are included in Caron (2005). Areas of interest resulting from the recent work programs on the property are also shown on Figure 6.

5.0 PROSPECTING AND ROCK SAMPLING

During a review of historical information completed in the spring of 2008, three targets requiring ground follow-up were identified. Brief descriptions of the target areas are given below. A prospecting and rock sampling program was completed, to evaluate these areas. Work was done by Alfrieda Elden, Roger Kennedy and Terry Pidwerbeski, during the period May 8 – June 5, 2008.

109 rock samples were collected and submitted to International Plasma Laboratory Ltd. (iPL) in Richmond, B.C. multi-element ICP analysis and for gold analysis by FA-AAS (iPL's method P1302). Details of the analytical procedure are contained in Appendix 1. Samples were generally select grab samples collected from outcrop, subcrop or from the dumps of historic exploration pits or adits. Samples of float were occasionally collected. Rock sample locations are shown on Figures 7a – 7d. Sample descriptions, including UTM coordinates, sample type, and results for select elements are included in Appendix 2a. Results for Au and Ag are plotted on Figures 8a – 8d, while results for Cu, Pb and Zn are shown on Figures 9a – 9d. Complete analytical results are included in Appendix 4b. There were no significant results from the rock sampling and prospecting program.

5.1 Mullan – LG 2 Area **Figures 7a,c-d, 8a,c-d, 9a, c-d**

This area, underlain by Brooklyn limestone and sharpstone conglomerate and by Knob Hill chert and greenstone, covers the former Mullan, Balsam Fr. Hopewell, No. 16 and No. 18 crown grants. Granby completed a small IP survey near the eastern edge of this area in the late 1960's. Three diamond drill holes and 2 percussion drill holes were drilled to follow-up an IP chargeability anomaly. All of the holes were eastwards directed holes collared near the boundary of the Lancashire Lass crown grant, that were drilled test a zone of skarn mineralization in limestone. A resistivity anomaly was also identified by Granby's geophysical survey, which was not tested by their drilling. The Minister of Mines Annual Report for 1928 talks about considerable development work on the Balsam Fr. It also mentions "silicified limestone". An old Granby report on the Mullan crown grant, mentions a shaft with magnetite in chert. Because of the favorable geology, documented historical workings, untested resistivity anomaly and the fact that no gold soil data or detailed rock sampling information exists for this area, it was identified as a priority for prospecting follow-up.

The 2008 program was successful in locating numerous historic prospect pits, shafts and trenches. These historic workings generally test zones of increased sulfide mineralization or areas of weak skarn alteration, all of which were sampled. The Mullan magnetite zone was located and sampled. An area of drusy silica flooding and veinlets within sharpstone conglomerate was also identified and sampled. No significant results were returned from any rock samples collected in this target area.

5.2 SL-2 Area **Figures 7d, 8d, 9d**

A large area of Brooklyn limestone occurs north of the Tremblay tailings, on District Lot SL-2. Kettle River Resources' "Pastel Marble" occurrence is situated within this area. There has been little or no previous exploration in this area. Because of the recent successes elsewhere in the Greenwood area locating zones of epithermal quartz veining within Brooklyn limestone, this area was identified as a priority for prospecting follow-up. No areas of interest were identified by the 2008 program.

5.3 Cordick – Duplicate Area **Figures 7b, 8b, 9b**

A 1976 field map by Jim Paxton, entitled "Oro Denoro Grid, Rock Outcrop Map" shows notes quartz veining within Brooklyn limestone and greenstone, northeast of the R Bell mine. During the course of prospecting follow-up, weak epidote-pyrite skarn and poorly developed zones of quartz veining were located, as indicated on Paxton's map. A number of small historic prospect pits were also identified. Sampling from outcrop and from the dumps of historic workings failed to return any results of interest.

6.0 GRID WORK AND SOIL SAMPLING (Minnie Moore Area)

During the fall of 2007, a detailed grid was established in the vicinity of the Minnie Moore showing, to facilitate a soil geochemical and ground magnetometer survey. Details of the grid and results from the 2007 geochemical and geophysical surveys are described in Caron (2007, 2008). During 2008, the northernmost 15 cross lines on the 2007 grid were extended to the east, to the edge of disturbance from Highway 3, and soil samples were collected from the grid extension.

Crosslines were 50 meter spaced, hip chained and slope corrected lines, oriented UTM east-west (an azimuth of 89°). Lines were marked with orange flagging, with stations marked with orange and blue flagging, and with a tyvex tag on which the station number has been written. Station spacing was 12.5 meters. In total, 2.29 line kilometers of cross-lines were completed and 193 soil samples were collected.

Grid work and soil sampling was done by Alfi Elden and Roger Kennedy from May 3 – May 7, 2008. Soil samples were shipped to Acme Analytical Laboratory in Vancouver for preparation and analysis by Acme's Group 1DX method (Au + multi element ICP). Details of the analytical procedure are contained in Appendix 1 and complete analytical results are included in Appendix 4a. Results were merged with the 2007 soil samples (also analysed by Acme's method 1DX), and are shown for the combined data set, for select elements, on Figures 10a-j.

The 2008 grid extension failed to produce significant new areas of geochemical interest. A modest Ag-As-Cu-Sb-Se (+ Mo, Hg, Au, Pb, Zn) anomaly was detected on L 3800N, east of a limestone bluff and north of the Breyfogle showing. This anomaly was subsequently tested by excavator trenching (TR 08-2), as detailed in Section 7.0 of this report. A narrow zone of epidote-pyrite (+ chalcopyrite) skarn was intersected at the contact between Brooklyn limestone and fine grained diorite to granodiorite intrusive.

A single station gold anomaly (126 ppb Au) on L 4250 was examined and was dismissed as transported, on the basis of the deep till cover.

7.0 TRENCHING (Minnie Moore)

An excavator trenching program was done in the Minnie Moore area, from May 26-28, 2008. Five trenches, totalling 235 lineal meters, were dug, as shown on Figure 11. Program supervision, trench layout and geological mapping was done by Linda Caron. Trench mucking and sampling was completed by Terry Pidwerbeski, Alfi Elden and Nicole Hecht. Trench specifications are listed below in Table 8. Detailed trench maps, showing geology, sample locations and results are included as Figures 12a-c to 13a-c.

A Hitachi EX30 excavator, under contract from Lime Creek Logging of Grand Forks, B.C., was employed in the trenching program. The excavator was used to remove overburden to a solid bedrock surface. Trenches were then hand shoveled and swept clean before mapping and laying out for sampling. Depth of overburden was variable, from less than 1 meter to locally greater than 2.5 meters. Some backfilling was done during the May 2008 program, upon completion of mapping and sampling. All of the remaining trenches will be backfilled, reseeded, and any timber disturbed buried, or bucked and scattered during the fall of 2008.

In most cases, trench samples were continuous representative chip samples collected across the sample interval, using a hammer and chisel. Sample intervals ranged from 1.0 - 4.0 meters, at the discretion of the geologist. Shorter sample intervals were used in areas considered more favourable for mineralization. Sample weight was variable, depending on the sample interval, but typically ranged from 2 to 6 kilograms. Descriptions of all trench samples, with sample type and length indicated, are contained in Appendix 2b.

A total of 47 trench samples were collected. Samples were submitted to International Plasma Laboratory Ltd. (iPL) in Richmond, B.C. for multi-element ICP analysis and for gold analysis by FA-AAS (iPL's Package P1302). Details of the analytical method are contained in Appendix 1.

A quality control-quality assurance program was implemented by the company during the trenching program. Every 20th sample, a field duplicate sample was collected and an analytical standard and a blank sample were inserted into the sample sequence. Results for select elements are included with trench sample descriptions in Appendix 2b, and are shown (for Au, Ag, Cu, Pb, Zn) on Figures 12b-c to 13b-c. Complete analytical results are included in Appendix 4c.

	Trench Length (meters)	Average Width (meters)	Average Azimuth	Nad 83 UTM *		Samples	Description
				Easting	Northing		
TR 08-1	70	1.5	270	387410	5443850	44001-023	Test for MM zone, on-strike to south.
TR 08-2	52	1.5	080	387675	5443815	44024-037	Test multi-element soil anomaly on L3800N.
TR 08-3	31	1.5	080	387545	5443895	44038-043	Extend TR07-6 to west as part of E-W section.
TR 08-4	67	1.5	260	387480	5443880	44044-047	Complete E-W section to test for MM zone to south.
TR 08-5	15	1.5	030	387300	5443440	none	Test 321 ppb Au soil anomaly L3450N, 7300E.

* UTM's listed are for approximate centre of trench

Table 8 – 2008 Minnie Moore Trench Specifications

The 2008 trenching program was designed to test for the surface expression of the Minnie Moore, to the south of the 2007 trench exposures. The program also tested soil geochemical anomalies from the 2007-08 soil survey. As shown on Figure 11, trenches 08-1, 08-2, 07-6, 08-3 and 08-4 test a 320 meter long east-west near-continuous section, 100 – 150 meters south of the Minnie Moore vein exposure. None of these trenches successfully intersected the Minnie Moore vein. To the west of the section tested by the above trenches depth of overburden increases significantly and ground water level rises, so that excavator trenching is impractical.

Several narrow zones of weak epidote (+/- hematite, garnet) skarn within calcareous siltstone were intersected in trenches 08-1, 08-3 and 08-4, however results were typically uninteresting. The best result, from a 1.0 meter chip sample across a fault zone in trench 08-4, was 0.63 g/t Au, 25.2 g/t Ag and 6181 ppm Cu over 1.0 m.

In addition to forming part of this east-west section, Trench 08-2 tested a modest Ag-As-Cu-Sb-Se (+ Mo, Hg, Au, Pb, Zn) soil geochemical anomaly on L 3800N, east of a limestone bluff and north of the Breyfogle showing. A 7.0 meter wide zone of epidote-pyrite (+ chalcopyrite) skarn was intersected at the contact between Brooklyn limestone and fine grained diorite to granodiorite intrusive. Results were locally elevated within the skarn, but sub economic. Maximum values of 0.12 g/t Au (sample 44025), 104.1 g/t Ag (sample 44029) and 1700 ppm Cu (sample 44027) were returned.

Trench 08-5 was dug to test a single-station, 321 ppb Au soil anomaly at L3450N, 7300E. The trench dug through approximately 2 meters of overburden, before uncovering massive white unaltered, unmineralized crystalline limestone/marble. No samples were collected and no detailed map was prepared for this trench. Its location is shown on Figure 11.

8.0 DIAMOND DRILLING

A 14 hole (2551 meter) NQ2 diamond drill program was completed on the Phoenix and Bluebell properties in 2008. Drilling was done from May 19 – July 17, 2008, with reclamation of drill pads and roads completed in September 2008. More Core Drilling Services Ltd. of Stewart, B.C. was the contractor for drilling. Additional bulldozer support for drilling was provided by Lime Creek Logging of Grand Forks, B.C.

Three separate areas were tested by the 2008 drill program. Five holes were drilled at the Minnie Moore, 6 holes at the Battle Zone, and 2 holes at the Stemwinder. A low bed was used to mobilize the drill, cat and pump shack between these three areas. Water for drilling at the Minnie Moore was pumped from historic workings at the Swallow and/or Emma showings. At the Battle Zone, water for drilling was pumped from the Snowshoe pit, while at the Stemwinder it was pumped from Marshall Lake.

Drill hole specifications are listed below in Table 9. The casing has been pulled from all of the drill holes but all of the collar locations are marked with posts and metal tags indicating hole number, azimuth and dip. None of the drill collars have been surveyed. Collar locations listed in Table 9 were determined by handheld GPS. Elevations were established by a barometric altimeter, relative to a reference elevation of 1115 meters, at the Minnie Moore trenched vein exposure, and a reference elevation of 1413 meters at the Phoenix mill site.

Drill Hole	Area	UTM Easting	UTM Northing	Elev.	Azimuth	Dip	Depth	Start Date	Finish Date
				meters			meters		
KRR 08-1	Minnie Moore	387386	5444030	1123	90	-50	181.97	May 21/08	May 26/08
KRR 08-2	Minnie Moore	387361	5444030	1124	90	-50	191.11	May 26/08	May 29/08
KRR 08-3	Minnie Moore	387378	5444000	1130	90	-50	197.18	May 29/08	May 31/08
KRR 08-4	Minnie Moore	387435	5443950	1139	270	-45	279.47	June 2/08	June 5/08
KRR 08-5	Minnie Moore	387287	5443705	1163	280	-45	169.77	June 5/08	June 7/08
KRR 08-6	Battle Zone	384000	5438415	1452	210	-50	178.90	June 11/08	June 14/08
KRR 08-7	Battle Zone	384000	5438415	1452	210	-85	163.68	June 16/08	June 18/08
KRR 08-8	Battle Zone	384000	5438415	1452	240	-50	114.90	June 19/08	June 24/08
KRR 08-9	Battle Zone	383890	5438296	1469	210	-50	200.22	June 24/08	June 26/08
KRR 08-10	Battle Zone	383890	5438296	1469	210	-70	142.32	June 26/08	June 27/08
KRR 08-11	Battle Zone	383725	5438170	1500	210	-70	209.98	June 30/08	July 3/08
KRR 08-12	Battle Zone	383725	5438170	1500	-	-90	127.09	July 3/08	July 4/08
KRR 08-13	Stemwinder	383390	5440080	1459	220	-45	239.85	July 7/08	July 14/08
KRR 08-14	Stemwinder	383390	5440080	1459	220	-60	154.51	July 14/08	July 15/08

Table 9 – 2008 Drill Hole Specifications

Drill core was transported twice daily to Grand Forks, for logging and sampling in a rented core facility at 6851 14th Street. Core was "quick-logged" by Linda Caron, then logged in more detail, with geotechnical measurements and sample layout, by Jack Lucke. Intervals selected for sampling were sawn or split (depending on rock hardness) with half of the core submitted for sampling and half of the core retained for reference. Core sawing/splitting and sampling was completed by Nicole Hecht. Upon completion of sampling, drill core was transported to Kettle River Resources' core storage yard, located at 5440600N, 387150E on District Lot SL-2, 2.25 kilometers up the Phoenix road from the Highway 3 turn-off.

A total of 748 drill core samples were collected and shipped to International Plasma Laboratory Ltd. (iPL) in Richmond, B.C. multi-element ICP analysis and for gold analysis by FA-AAS (iPL's Package P1302). Samples returning greater than 1 g/t Au or greater than 100 g/t Ag were subsequently re-assayed by fire assay/gravimetric finish. Details of the analytical procedures are contained in Appendix 1.

Quality control measures were employed, including company inserted standards and blanks. Standard and blank samples were inserted at regular intervals and given sample numbers corresponding to the next consecutive number in the drill core sample sequence. Blank samples and standard samples were staggered, so that after 10 samples a blank was inserted, after another 10 samples a standard was inserted, etc., the result being that every sample number evenly divisible by 10 represents either a blank or a standard sample. In additional, a blank sample was inserted at the beginning of each drill hole, so that each sample shipment to the lab would begin with a blank sample and would provide a check against contamination from prior samples tested at the lab. Standard and blank samples are clearly identified on drill logs.

The standard samples consisted of approximately 30 grams of pulverized material of gold standard (PM 411), purchased from WCM Minerals of Vancouver, B.C. Reference information regarding the standard is contained in Appendix 4e.

Blank samples consisted of field-collected "blank" rocks, collected from an area of subcrop and talus of relatively homogeneous, un-weathered, un-altered and un-mineralized Eocene syenite. Blank samples prepared by the company consisted of several fist-sized pieces of the intrusive from this location. The primary purpose of the company-inserted blank sample was as an independent check on laboratory crushing procedures, specifically poor cleaning of crushing equipment between samples. Because this was the main purpose of the blank samples, a "raw" sample with low values for all elements of interest, but with a large standard deviation in these values resulting from natural variations in the rock, was considered preferable to a more homogenous blank sample that was previously crushed and blended.

Diamond drill logs are contained in Appendix 3. Complete analytical results for drill core samples are included in Appendix 4d and results for select elements are included in the drill logs (Appendix 3). Drill sections showing hole geology, sample locations and results for Au and Ag are included as Figures 14a,b to 17 a,b and 19a,b to 23a,b. An abbreviated geological legend is included on drill sections. An expanded geological legend is included on the Minnie Moore trench geology maps (Figures 12a, 13a).

8.1 Minnie Moore Showing **Figures 14a,b – 17a,b**

Holes KRR 08-1 to 08-5 were drilled at the Minnie Moore showing, to explore for the at-depth extension of the Minnie Moore zone beneath the thick post-mineral sill which was identified by the 2007 work program. Drilling also tested a strong multi-element soil geochemical anomaly southwest of the main showing. Epithermal style quartz stockwork breccia veining was intersected in hole KRR 08-1, at depth beneath the thick post-mineral sill and directly below the trenched surface exposure of the vein, however analytical results were disappointing. A 5.3 meter intercept through the zone of veining (106.0 - 111.3 m) graded 0.27 g/t Au and 77.3 g/t Ag. Within this interval, a 1.6 meter section returned 0.55 g/t Au and 178.5 g/t Ag. There were no results of note from the remaining Minnie Moore drill holes.

The 2008 drilling at the Minnie Moore showing confirmed the structural complexity of the area and added information to assist in unravelling these complexities. At least three separate post-mineral fault sets, often with accompanying post-mineral dykes and sills, are known to occur. Prior to drilling further holes designed to specifically target mineralization, additional drilling is needed to provide geological and structural information. In particular, several south directed drill holes are needed to provide information regarding offset along east-west trending, north-dipping post-mineral faults (such as those exposed in TR 07-2).

8.2 Battle Zone **Figures 18a,c – 22a,b**

Holes KRR 08-6 to 08-12 were drilled at the Battle Zone, to test an area of auriferous pyrite-quartz stockwork veinlets and multiple northwest-trending, shallow northeast dipping shear zones, seen on surface, in outcrop and in historic prospect pits, shafts and adits. The 7 holes were drilled from 3 set-ups, to test a 420 meter northeast-southwest section across the zone of mineralization. Drilling was designed to test for both narrow high-grade shear veins and for lower grade, bulk tonnage mineralization resulting from stockwork veining or multiple close spaced shear zones. Significant results from the 2008 drilling at the Battle Zone are summarized below in Table 10.

Hole	**From**	**To**	**Interval**	**Au**	**Ag**	**Cu**
	meters	**meters**	**meters**	**g/t**	**g/t**	**ppm**
KRR 08-6	15.30	17.70	2.40	4.01	1.47	259
	33.05	**40.35**	**7.30**	**3.71**	**8.27**	**1801**
		including	**0.40**	**14.00**	**64.00**	**496**
		and	**1.00**	**8.80**	**7.00**	**2417**
KRR 08-7	24.50	27.30	2.80	0.91	0.26	78
	38.00	40.19	2.19	0.30	0.70	1324
KRR 08-8	16.57	19.57	3.00	0.55	< 0.10	23
	38.57	**51.27**	**12.70**	**1.62**	**10.85**	**2349**
		including	**0.70**	**18.07**	**183.70**	**33576**
KRR 08-9	37.40	37.70	0.30	2.26	2.40	1443
	48.20	48.60	0.40	5.40	18.30	6070
	105.50	105.90	0.40	0.31	4.10	235
KRR 08-10	27.25	27.70	0.45	0.45	0.10	23
	41.15	**49.77**	**8.62**	**0.76**	**1.15**	**401**
		including	0.70	3.19	1.30	578
		and	0.50	6.33	14.70	4169
	64.84	67.84	3.00	0.24	0.20	75
KRR 08-11	42.66	45.46	2.80	1.39	5.0	1256
	90.70	**92.26**	**1.56**	**80.00**	**8.6**	**105**
	100.50	100.70	0.20	9.70	10.6	2233
	110.62	111.86	1.24	3.67	95.6	307
	207.29	**209.98**	**2.69**	**0.03**	**1257.8**	**1566**
KRR 08-12	17.13	20.13	3.00	2.93	<0.10	20
	29.00	29.70	0.70	1.17	2.00	110
	33.55	38.10	4.55	0.27	0.70	278
	92.30	**101.85**	**9.55**	**4.32**	**2.42**	**561**
		including	**0.80**	**50.30**	**27.80**	**5493**
	125.25	125.45	0.20	8.50	13.50	1865

Table 10 - Significant 2008 Drill Results, Battle Zone

Hole KRR 08-6 tested the Bank of England shear zone, down dip from the Bank of England adit exposure. The hole intersected a 7.3 meter zone of pyrite (+/- quartz) veining, 20 meters vertically below surface and 45 meters down dip from the surface exposure of the shear zone. An average grade of 3.71 g/t Au, 8.27 g/t Ag and 1801 ppm Cu was returned across the 7.3 meter intercept, including a 0.4 meter interval which returned 14.0 g/t Au, 64 g/t Ag and 496 ppm Cu, and a separate 1.0 meter interval returning 8.8 g/t Au, 7.0 g/t Ag and 2417 ppm Cu.

Hole KRR 08-7 was a steeper hole, from the same set-up as hole KRR 08-6, to test the Bank of England shear zone deeper in the section. The hole intersected several narrow shear zones with elevated gold values, but does not appear to have intersected the same shear seen in Hole KRR 08-6. Further drilling will be required to determine whether the shear zone has pinched out or whether it has been offset by later faulting.

Hole KRR 08-8 was fanned from the same set-up as hole KRR 08-6 and 08-7, to test the Bank of England shear zone at a similar elevation to the drill hole KRR 08-6 intercept, but approximately 20 meters on strike to the northwest. The hole successfully intersecting a wide zone of faulting and pyrite veining which returned 1.62 g/t Au, 10.85 g/t Ag and 2349 ppm Cu over 12.7 meters, and included a 0.7 meter intercept grading 18.07 g/t Au, 183.7 g/t Ag and 3.36% Cu. The Bank of England shear zone is moderately oxidized where intersected in both holes KRR 08-6 and 08-8.

Hole KRR 08-9 was collared 160 meters southwest of holes KRR 08-6 to 08-8 and was designed to test veining exposed nearby in subcrop, from which samples had returned up to 14.97 g/t Au. The hole was also designed to follow-up on the results of a single 1991 drill hole by Battle Mountain Canada Inc., which was located approximately 30 meters to the west of hole KRR 08-9 and which intersected several narrow pyrite veins with elevated gold values. Hole KRR 08-9 similarly intersected a number of narrow pyrite and quartz-pyrite veins and mineralized fault zones, with elevated gold values. The best result was a 0.4 meter intercept returning 5.4 g/t Au, 18.3 g/t Ag and 6070 ppm Cu.

Hole KRR 08-10 was a steeper hole, drilled from the same set-up as hole KRR 08-9, to test for mineralization deeper in the same section. It intersected numerous close spaced, narrow pyrite (+/- quartz) veins and shear zones. A 8.62 meter intercept through this zone of shearing and mineralization averaged 0.76 g/t Au, 1.15 g/t Ag and 401 ppm Cu, with a 0.5 meter sample within the interval returning 6.33 g/t Au, 14.7 g/t Ag and 4169 ppm Cu.

Holes KRR 08-11 and 08-12 were collared 210 meters southwest of holes KRR 08-9 and 08-10 and were drilled to test a shear zone that is exposed on surface in an old prospect shaft and from which grab samples have returned up to 185 g/t Au. The holes were also designed to test the down-dip expression of mineralization exposed along the powerline (6.56 g/t Au). Hole KRR 08-11 intersected 6.8 meters of highly oxidized, nearly flat-lying shear zone, 30 meters vertically below surface and 60 meters northeast of the surface exposure (at the old prospect shaft). Results were low from drilling through this shear zone in hole 08-11, to a maximum of 1.39 g/t Au, 5.0 g/t Ag and 1256 ppm Cu over 2.8 meters.

Several other mineralized shear zones and quartz or massive sulfide veins were intersected in hole KRR 08-11, which returned elevated gold or silver values. The best result was a 1.56 meter sample of pyritic sharpstone conglomerate, at a depth of 90.7 meters in the drill hole, which returned 80.0 g/t Au and 8.6 g/t Ag. The high gold value is surprising in this sample, given the relatively low sulfide content and lack of obvious shearing. Prior to any further drilling to test this zone, the core should be quarter-split and re-sampled through this interval. Due to drilling problems, hole 08-11 was terminated in a zone of stockwork quartz veinlets at a depth of 209.98 meters. The final sample in the drill hole, from 207.29 – 209.98 meters returned 1257.8 g/t Ag.

Hole KRR 08-12 was a vertical hole, drilled from the same set-up as hole KRR 08-11, to test the shear zones deeper in the same section. The upper shear zone in hole KRR 08-12 was highly oxidized, with local silicification and pyrite mineralization, and returned 0.27 g/t Au over 4.55 meters. The lower zone consisted of several close-spaced narrow shears and veins, with a 9.55 meter intercept across the zone averaging 4.32 g/t Au, 2.42 g/t Ag and 561 ppm Cu. This intercept included a 0.8 meter semi-massive pyrite vein which assayed 50.30 g/t Au, 27.8 g/t Ag and 5493 ppm Cu.

8.3 Stemwinder Zone **Figure 23a,b**

Drill holes KRR 08-13 and 08-14 targeted a series of sub-parallel northwest trending, moderate to steeply northeast dipping gold-bearing quartz-sulfide veins which were known from historic underground work at the Stemwinder and Brooklyn mines. The Brooklyn and Stemwinder mines are located immediately north of the past-producing Phoenix copper-gold skarn open pit mine. The Brooklyn mine is now partially covered by the Phoenix mine waste dumps, while the Stemwinder mine is completely obscured by the dumps. Location control on the historic Stemwinder workings is poor, as a result of the significant amount of disturbance which post-dates the mine plans.

Three parallel to sub-parallel veins are documented on historic plans, from south to north the Portal, West (also known as the East vein, where it was followed by drifting in the Brooklyn mine) and Denzler veins. Former workers have referred to the northwest trending zone encompassing these veins as the "Brooklyn-Stemwinder Gold Trend". Historical values of 67 g/t Au and 5.5% Cu over 0.23 meters, 13 g/t Au and 8.9% Cu over 0.25 meters, and 33.9 g/t Au and 4.2% Cu over 0.15 meters are reported from exposures of one of the veins in underground workings, as shown on historic plans and reports of the Stemwinder mine.

Although there was some underground development along the veins at the Brooklyn and Stemwinder mines, the target of historic mining, at least at the Stemwinder, was a fault-bounded block of copper-gold skarn mineralization. Mining was by underground methods intermittently between 1900 and 1949, and then from a small open pit from 1964-67. Prior to the 2008 program, the Brooklyn-Stemwinder Gold Trend, and the individual gold-bearing veins within this trend, were untested by any modern drilling or exploration.

Holes KRR 08-13 and 08-14 collared along the old pipeline right-of-way road, uphill to the north from the Phoenix road and approximately 110 meters higher in elevation than the Stemwinder adit level. Both drill holes were successful in intersecting several quartz-pyrite-chalcopyrite veins, with significant results listed below in Table 11.

Hole	**From**	**To**	**Interval**	**Au**	**Ag**	**Cu**
	meters	**meters**	**meters**	**g/t**	**g/t**	**ppm or %**
KRR 08-13	100.85	101.15	0.30	0.01	21.0	2.66 %
	103.27	103.48	0.21	0.01	14.1	1.39 %
	122.71	**123.71**	**1.00**	**13.80**	**39.4**	**5.26 %**
	145.90	146.15	0.25	7.04	2.0	694
KRR 08-14	**118.20**	**121.05**	**2.85**	**6.85**	**13.3**	**8130**
		including	**0.60**	**12.48**	**27.0**	**12194**

Table 11 - Significant 2008 Drill Results, Stemwinder Zone

Hole KRR 08-13 intersected several quartz-sulfide veins and breccia zones, and mineralized fault zones, before intersecting a thick Eocene syenite sill at a depth of 159 meter in the hole. The sill, which occurs at the top of a thick section of graphitic, tectonically brecciated (probable) Knob Hill Complex chert and greenstone, is interpreted as representing the top of the regional post-mineral Snowshoe fault. The veins in hole 08-13 are semi-massive pyrite-chalcopyrite +/- quartz veins and breccia veins, within Brooklyn conglomerate and volcanics, in the hangingwall of the Snowshoe fault. They correlate with the approximate position of northernmost historically known vein, the Denzler vein. The upper two veins intersected in hole 08-13 were massive pyrite-chalcopyrite veins, which in this hole returned only low gold values. The two deeper veins returned better gold values, to a maximum of 13.8 g/t Au, 39.4 g/t Ag and 5.26% Cu over 1.0 meters from one zone. The southernmost two historically known veins (the Portal vein and the West vein) have been removed by the Snowshoe fault at the level tested by this hole.

Hole KRR 08-14 was a steeper hole, drilled from the same set-up as hole 08-13, which was designed to test the veins intersected by hole 08-13 at a deeper level, to provide information regarding the dip of these veins, and to establish the elevation and dip of the Snowshoe fault. As above, a flat to gently north-dipping Eocene sill occurs at the top of the Snowshoe fault zone. The top of the Snowshoe fault occurs at an elevation of 1345 meters, only about 5 meters lower in elevation than the assumed position of the Stemwinder adit. One mineralized zone was intersected in the hangingwall of the fault in this hole. This zone is interpreted as corresponding to the down dip projection of the upper 2 veins in hole 08-13. It returned 6.85 g/t Au, 13.3 g/t Ag and 8130 ppm Cu over 2.85 meters. The two lower veins intersected in hole 08-13 have been taken out by the underlying Snowshoe fault zone and were not intersected in drill hole 08-14.

The combined effect of the elevation of the Snowshoe fault and the local topography is that, in the drilled section, the Denzler vein has approximately 85 meters of down dip potential, from surface to the top of the Snowshoe fault, while the down-dip potential of the Portal and West Veins is more limited. Now that the depth to the Snowshoe fault has been established in this area, subsequent drilling at the Stemwinder zone can be laid out to test the vein targets within the panel of Brooklyn rocks in the hangingwall of the Snowshoe fault.

9.0 RECOMMENDATIONS

Drilling returned good gold (+/- copper, silver) values over good widths from northwest-trending, gently north-dipping shear zones at the Battle Zone. All of these zones remain open on-strike and down-dip and should be explored by further drilling.

Good gold (+/- copper) values were also obtained from drilling semi-massive to massive pyrite-chalcopyrite (+/- quartz) veins at the Stemwinder Zone. Although the depth potential for these veins is limited by the underlying Snowshoe fault, there is room to develop a modest tonnage along the northernmost (upper) zone (the Denzler vein). Further drilling is warranted to test the Denzler vein, on strike to the northwest and southeast from the 2008 drill holes.

The 2008 drilling at the Minnie Moore confirmed the structural complexity of the showing area. At least three separate post-mineral fault sets, often with accompanying post-mineral dykes and sills, are known to occur. Prior to drilling further holes which specifically target mineralization, additional drilling is needed to provide geological and structural information. In particular, several south directed drill holes are needed to provide information regarding offset along generally east-west trending, north-dipping post-mineral faults (such as those exposed in TR 07-2).

In addition to further work at the Minnie Moore, Battle and Stemwinder zones, other known areas of mineralization on both the Phoenix and Bluebell properties (i.e. the Rawhide vein, War Eagle, BC Mine, Summit, Thim Breccia) warrant further study and testing.

10.0 STATEMENT OF QUALIFICATIONS

I, Linda J. Caron, certify that:

1. I am an independent consulting geologist residing at 717 75th Ave (Box 2493), Grand Forks, B.C., V0H 1H0

2. I obtained a B.A.Sc. in Geological Engineering (Honours) in the Mineral Exploration Option, from the University of British Columbia (1985) and graduated with an M.Sc. in Geology and Geophysics from the University of Calgary (1988).

3. I have practised my profession since 1987 and have worked in the mineral exploration industry since 1980. Since 1989, I have done extensive geological work in Southern B.C. and particularly in the Greenwood - Grand Forks area, both as an employee of various exploration companies and as an independent consultant.

4. I am a member in good standing with the Association of Professional Engineers and Geoscientists of B.C. with professional engineer status.

5. I previously worked on both the Phoenix and Bluebell properties, as well as on numerous exploration properties in the vicinity these properties over the past twenty years. I supervised the work program described in this report.

Linda Caron, M.Sc., P. Eng.

PROFESSIONAL · PROVINCE OF · L. J. CARON · BRITISH COLUMBIA · ENGINEER

Sept 22/08
Date of signing

11.0 COST STATEMENT

Labour:

Linda Caron	Geologist – core logging, trench mapping, program supervision, report preparation, permitting 70 days @ $600.00/day	$ 42,000.00
Jack Lucke	Geological Technician – core logging 40 days @ $450.00/day	$ 18,000.00
Richard Tschauder	Consulting fees	$ 4,932.00
Terry Pidwerbeski	Prospector - prospecting, rock sampling, trench mucking, trench sampling, drill supervision 32.5 days @ $300.00/day	$ 9,750.00
Alfrieda Elden	Prospector - grid work, soil sampling, prospecting, rock sampling, trench mucking, trench sampling 20.5 days @ $300.00/day	$ 6,150.00
Roger Kennedy	Prospector – grid work, soil sampling, prospecting rock sampling 9 days @ $275/day	$ 2,475.00
Nicole Hecht	Labourer – core splitting, trench mucking/sampling 405 hours @ $15/hour	$ 6,075.00
		$ 89,382.00

Diamond Drilling:

More Core Drilling Services Ltd., Stewart, B.C.	
Footage cost: 2551 m @ $80.00/meter	$ 204,080.00
Mob/demob	$ 20,000.00
Cat hours – drill site prep and moves	$ 13,690.30
Contract Extras – rods, grease, man/machine hours	$ 106,356.74
Room and Board - 168 man-days @ $95/man-day	$ 15,960.00
Fuel	$ 11,820.33
	$ 371,907.37
Kettle Transport Ltd.	
Lowbed fees for drill moves between M Moore, Battle Zone and Stemwinder sites	$ 2,263.13
Lime Creek Logging Ltd.	
Excavator for drill moves, drill road and pad construction 6 hours @ $195.28/hour	$ 1,171.68
Watson Wood Products, Rock Creek. B.C.	
Core boxes	$ 8,215.00
	$ 383,557.08

cont …

Cost statement, cont…

Trenching:

Lime Creek Logging Ltd.	
EX300 Hitachi Excavator – trenching, road building, reclamation	
42 hours @ $195.28/hour	$ 8,201.76
Mob/demob	$ 846.06
	$ 9,047.82

Analytical Costs:

Acme Analytical Laboratory, Vancouver, B.C.	
193 soil samples – Au, multi-element ICP + overlimit assays	$ 4,342.50
International Plasma Laboratory, Vancouver , B.C.	
47 trench samples – Au, multi-element ICP	
109 rock samples – Au, multi-element ICP	
748 drill core samples – Au, multi-element ICP + overlimit assays	$ 24,321.22
WCM Minerals, Vancouver, B.C.	
Analytical standards for trenching and drilling	$ 678.26
	$ 29,341.98

Other Expenses:

Vehicle rental:	99 vehicle days @ $75.00/day	$ 7,425.00
Fuel		$ 2,396.16
Smuland Contracting – bucking timber at Minnie Moore site		$ 870.00
Buster's Excavating – loader to get cat unstuck		$ 90.00
Greyhound - shipping costs (rock, soil, trench, drill samples, supplies)		$ 4,431.10
Core shop rental		$ 5,355.00
Core splitter rental		$ 395.00
Core saw blades		$ 1,039.50
Pump rental – for staged pumping for drill		$ 595.84
Field supplies and expenses (soil and rock bags, flagging, hip chain thread etc)		$ 5,200.37
Report - photocopies, map copies, drafting		$ 1,675.00
		$ 29,472.97

TOTAL: $ 540,801.85

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APPENDIX 1

Analytical Procedures

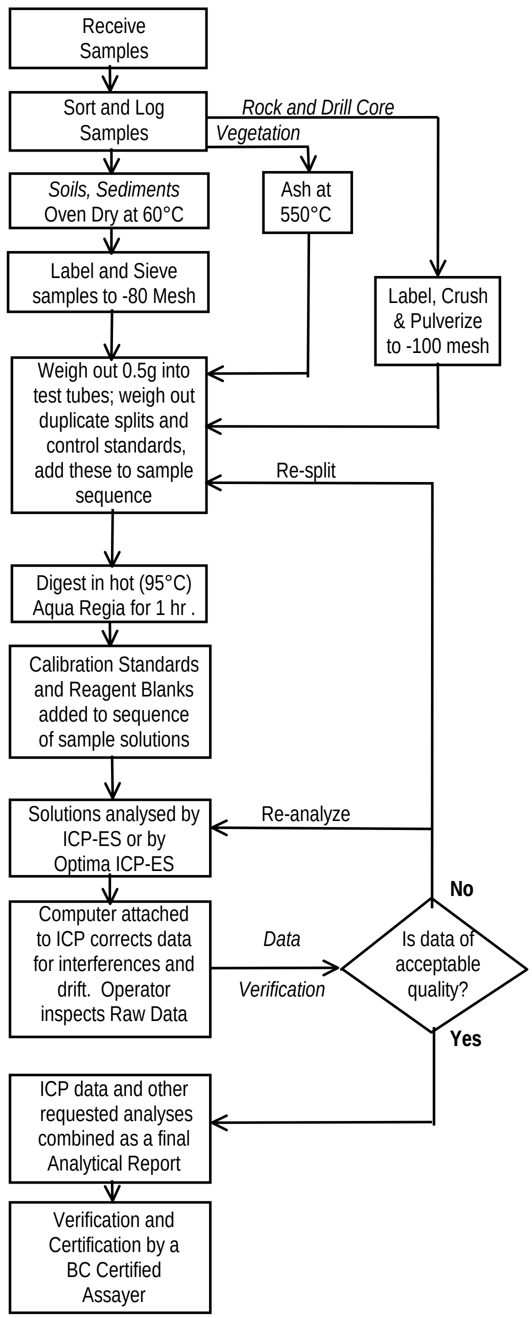
ACME ANALYTICAL LABORATORIES LTD.

ISO 9002 REGISTERED KPMG VANCOUVER 1996

852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX - ICP ANALYSIS – AQUA REGIA

Analytical Process



Comments

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 m), rocks and drill core are crushed and pulverized to -150 mesh (-100 m). Vegetation is dried (60°C) and pulverized or dry ashed (550°C). Moss-mat samples are dried (60°C), pounded then sieved to recover -80 mesh sediment or ashed at 550°C then sieved to -80 mesh with potential loss by volatilization of Hg, As, Sb, Bi and Cr. Aliquots of 0.5 g are weighed into test tubes. Duplicate aliquots are taken from two samples in each batch of 34 samples to measure precision. An aliquot of sample standard STD C3 is added to each batch to monitor accuracy.

Sample Digestion

Aqua Regia is a 2:2:2 mixture of ACS grade conc. HCl, conc. HNO_3 and demineralized H_2O. Aqua Regia is added to each sample and to two empty reagent blank test tubes in each batch of samples. Sample solutions are digested for 1 hr in a boiling hot water bath (95°C).

Sample Analysis

Group 1D**:** sample solutions are aspirated into a Jarrel Ash AtomComp 800 or 975 ICP emission spectrograph to determine 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX**:** sample solutions are aspirated into a Perkin Elmer Optima 3300 Dual View ICP emission spectrograph to determine 35 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, *Ga*, *Hg*, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, *S*, Sb, *Sc*, *Tl*, Sr, Th, Ti, U, V, W, Zn.

Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

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Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Method of Gold analysis by Fire Assay / AAS

(a) 10.00 to 30.00 grams of sample was weighed into a fusion pot which contained a combination of fluxes such as lead oxide, sodium carbonate, borax, silica flour, baking flour or potassium nitrate. After the sample and fluxes had been mixed thoroughly, some silver inquart and a thin layer of borax was added on top.

(b) The sample was then charged into a fire assay furnace at 2000 F for one hour, at this stage, lead oxide would be reduced to elemental lead and slowly sunken down to the bottom of the fusion pot and collected the gold and silver along the way.

(c) After one hour of fusion, the sample was then taken out and pour into a conical cast iron mould, the elemental lead which contained precious metals would stayed at the bottom of the mould and any unwanted materials called slag would floated on top and removed by hammering, a "lead button" is formed.

(d) The lead button was then put back in the furnace onto a preheated cupel for a second stage of separation, at 1650 F, the lead button became liquefied and absorbed by the cupel, but gold and silver which had higher melting points would stayed on top of the cupel.

(e) After 45 minutes of cupellation, the cupel was then taken out and cooled, the dore bead which contained precious metals was then transferred into a test tube and dissolved in hot Aqua Regia solution heated by a hot water bath.

(f) The gold in solution is determined with an Atomic Absorption spectrometer. The gold value, in parts-per-billion, or grams-per-tonne is calculated by comparison with a set of known gold standards.

QUALITY CONTROL

Every fusion of 24 pots contains 22 samples, one internal standard or blank, and a random reweigh of one of the samples. Samples with anomalous gold values greater than 1000 ppb are automatically checked by Fire Assay/AA methods. Samples with gold values greater than 10000 ppb are automatically checked by Fire Assay/Gravimetric methods.

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Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Method of 30 element analysis by Aqua Regia digestion/ICP

(a) 0.50 grams of sample is digested with diluted Aqua Regia solution by heating in a hot water bath, at about 95 Celsius for 90 minutes, then cooled and bulked up to a fixed volume with de-mineralized water, and thoroughly mixed. Digested samples are let settled over night to separate residue from solution.

(b) The specific elements are determined using an Inductively Coupled Argon Plasma spectrophotometer. All elements are corrected for inter-element interference. All data are subsequently stored onto computer diskette.

QUALITY CONTROL

The machine is first calibrated using three known standards and a blank. The test samples are then run in batches.

A sample batch consists of 38 or less samples. Two tubes are placed before a set. These are an In-house standard and an acid blank, which are both digested with the samples. A known standard with characteristics best matching the samples is chosen and placed after every fifteenth sample. After every 38th sample (not including standards), two samples, chosen at random, are re-weighed and analyzed. At the end of a batch, the standard and blank used at the beginning is rerun. The readings for these knowns are compared with the pre-rack knowns to detect any calibration drift.

Note: Some elements may not be completely digested by Aqua Regia,
Please refer to our price brochure.

I:\analytical method\icpaqr

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
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Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Method of sample preparation for Rock or Core

(a) All samples were first sorted in ascending order, Sample names and numbers were recorded and entered into computer, water content in sample is removed by convection in a low temperature dryer (below 55 C) over night.

(b) The sample is passed through a crusher in order to reduce the particle size to approximately 80% -10 Mesh. The entire charge is then reduced down to 250g by repeated splitting through a riffle splitter.

(c) The 250g portion is then pulverized by using a Ring and Puck Pulverizer until approximately 90 % of the sample is -150 mesh in size. The sample is then rolled to assure homogenous particle distribution and transferred to a computer labeled sample bag for analysis.

QUALITY CONTROL

Cross contamination is minimized by constant cleaning of preparation equipment with high velocity compressed air. Blank charges are frequently run through crushers to remove trapped particles. Ring and puck pulverizers are cleaned with a quartz sand charge.

A pulverized sample is randomly chosen every day for QA/QC to ensure more than 90 % of sample passed thru 150 mesh.

APPENDIX 2a

Rock Sample Descriptions

								Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Bi	Co	Ba
Sample	**Date**	**Easting**	**Northing**	**Type**	**Sampler**	**Area**	**Description**	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43100	7-May-08	386235	5441377	Float	AE	LG-2	Float under powerlines. Prob chert pebble conglomerate. Silicified with calcite on fractures. Patchy diss sphal(?) and py(?) mineralization.	<0.01	<0.1	3	22	25	12	<5	<3	1	<2	3	261
43101	8-May-08	386354	5441475	Float	AE	LG-2	Boulder float on road. Poss lmst/greenstone with py blebs and seams. Well-developed garnet. Minor hem. Overall, siliceous greenish matrix.	0.01	1.3	456	<2	55	16	<5	<3	2	<2	16	35
43102	8-May-08	386330	5441477	Grab	AE	LG-2	Dump sample. Blebs of unformed py in fine-grained greenstone with minor hem-calcite-magnetite.	0.01	0.9	291	<2	41	111	<5	<3	2	<2	7	27
43103	8-May-08	386330	5441477	Grab	AE	LG-2	Same pit as 43102. Sample from north wall of pit. Pockets of py and garnet. Minor epi and hem.	<0.01	<0.1	15	<2	41	15	<5	<3	1	<2	55	16
43104	8-May-08	386330	5441477	Grab	AE	LG-2	From east wall of trench lying north of pit (43102-3). 2-4 mm seams of py in greenstone. Minor calcite and garnet.	0.02	1.7	242	84	94	16	<5	<3	2	<2	60	10
43105	8-May-08	386294	5441519	Grab	AE	LG-2	From fractured outcrop. Yellow rust coatings. Very siliceous. Some diss py. Reacts to acid here and there. Greenstone? Magnetic.	<0.01	0.3	47	<2	35	31	<5	<3	2	<2	14	43
43106	8-May-08	386128	5441663	Grab	AE	LG-2	Subcrop. Druzy silica flooding(?) or vein(?) in chert pebble conglomerate. Drusy vugs with brown coating on silica.	<0.01	0.1	8	21	140	9	<5	<3	2	<2	2	21
43107	8-May-08	386178	5441607	Float	AE	LG-2	Rusty angular boulder-size float. Some similarity to trench sample 43105. Minor py, some calcite. Quite siliceous.	<0.01	0.4	28	<2	48	25	<5	<3	2	<2	16	57
43108	8-May-08	386389	5441419	Float	AE	LG-2	Float on road beside bedded lmst OC. Siliceous with coarse calcite crystals and veins(?). Patches of yellow weathering.	<0.01	<0.1	10	<2	32	<5	<5	<3	<1	<2	2	17
43109	9-May-08	384865	5441359	Grab	AE	Mullan	Outcrop. Massive fine-grained black rock with weak to moderate magnetism.	<0.01	<0.1	17	<2	72	<5	<5	<3	2	<2	18	706
43110	9-May-08	384865	5441359	Grab	AE	Mullan	Subcrop. 3 m NW of 43109. Intrusive. Moderate magnetism. Tight interlocking crystals of feldspar(?). Well-formed minor biotite. Very fine thin black needles throughout. Slightly rusty.	<0.01	<0.1	43	<2	66	<5	<5	<3	2	<2	20	664
43111	9-May-08	384813	5441438	Grab	AE	Mullan	Outcrop. Minor diss py in greenstone with 2 mm veinlets epi-silica (+calcite?). Fine-grained angular with rusty fractures. Moderately magnetic.	0.03	0.6	78	<2	38	<5	<5	<3	2	<2	35	28
43112	9-May-08	384757	5441573	Float	AE	Mullan	Minor mal and calcite crystals in vnlts. Host rock is metachert. Angular with rusty surfaces.	0.03	<0.1	780	<2	38	8	<5	<3	<1	<2	21	37
43113	9-May-08	384763	5441601	Grab	AE	Mullan	Subcrop. Massive fine-to-medium grain rock. Dark green (or grey) with minor py and very fine (1-2 mm) wide silica vnlts. Angular with rusty fracture surfaces. Weak-to-moderate magnetic.	<0.01	1.7	63	<2	105	<5	<5	<3	2	<2	31	190
43114	9-May-08	384973	5441641	Grab	AE	Mullan	Outcrop. Mal, epi, reacts to acid. Unidentified sulfide in very fine hem-stained vnlts. Poss cpy in patches with mal. Prob chlorite. Greenstone?	0.20	0.2	1122	<2	57	<5	<5	<3	1	<2	23	48
43115	9-May-08	385002	5441635	Grab	AE	Mullan	Outcrop. Magnetic pockets (or seam) moderate to strong(er) in metachert(?) or greenstone(?)	0.01	<0.1	224	<2	49	<5	<5	<3	1	<2	7	1285

								Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Bi	Co	Ba
Sample	**Date**	**Easting**	**Northing**	**Type**	**Sampler**	**Area**	**Description**	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43116	9-May-08	385000	5441546	Grab	AE	Mullan	Dump-east sidewall sample at open cut. Very fine drusy(?) silica coatings(?) on limonite-stained 'rotten' metachert.	<0.01	<0.1	12	<2	23	<5	<5	<3	<1	<2	3	52
43117	9-May-08	384983	5441528	Grab	AE	Mullan	Subcrop. Magnetite. Fine-grained, semi-massive.	0.16	<0.1	34	<2	47	13	<5	<3	1	4	8	43
43118	10-May-08	386091	5441402	Float	AE	Powerline LG-2	Poss subcrop. Altered chert pebble conglomerate with tiny drusy silica vugs, spotty smeary soft yellow mineral (clay?). Brown-red spots and coatings - hem? 'Rotten' texture. Reacts to acid.	0.01	<0.1	10	<2	11	<5	<5	<3	<1	<2	2	49
43119	10-May-08	386090	5441400	Grab	AE	Powerline LG-2	Subcrop (prob OC). Drusy(?) silica flooding in chert pebble conglomerate. Still lots of fizz and intact chert pebbles. Clay? Tiny yellowish dots sometimes associated with tiny black mineral.	<0.01	<0.1	1	<2	5	7	<5	<3	<1	<2	1	67
43120	10-May-08	385172	5441532	Float	AE	Powerline	Talus (poss subcrop). Metachert with vugs. Yellow-green coatings. Irridescent patches.	0.01	0.1	25	4	9	<5	<5	<3	5	<2	<1	120
43121	10-May-08	386089	5441373	Float	AE	Powerline LG-2	Talus (poss subcrop). Limonite-stained very thin very fine drusy vnlts and minor silica in rock half-and-half chert pebble conglomerate and marble.	<0.01	<0.1	8	<2	8	<5	<5	<3	7	<2	3	38
43122	11-May-08	389131	5441980	Float	AE	Duplicate	Boulder rounded lmst with oxidized minor sphal in bedding. Some siliceous layers (chert?). Abundant mang dendrites. Sphal layer siliceous(?). On road to Duplicate CG.	0.03	<0.1	10	10	9385	16	<5	<3	8	<2	17	56
43123	11-May-08	389176	5442128	Grab	AE	Duplicate	Outcrop. Calcareous greenstone. Part siliceous with hard(?) black mineral in blebs and aggregates of stubby prismatic (slender) crystals. 3 mm+ vnlt chlorite(?)	0.01	<0.1	15	12	104	<5	<5	<3	2	<2	8	10
43124	11-May-08	389220	5442202	Grab	AE	Duplicate	Dump sample at hallow (hand-dug?) trench in lmst breccia or calcareous greenstone. Blebs py in part-siliceous greenstone.	0.01	0.3	<1	284	645	86	<5	<3	1	<2	39	17
43125	11-May-08	389249	5442377	Grab	AE	Duplicate	Outcrop. From NW wall of pit oxidized lens or pocket of py in epidote skarn.	0.03	0.1	279	13	94	104	<5	<3	6	<2	61	13
43126	11-May-08	389249	5442377	Grab	AE	Duplicate	Same location as 43125. Dump sample. "Rotten" oxidized (or leached) epi-py rich rock.	0.03	0.4	25	8	22	36	<5	<3	1	<2	87	8
43127	11-May-08	389218	5442389	Grab	AE	Duplicate	Dump sample at 2nd pit. Well-formed skarn minerals (garnet, py, calcite) in lmst. One tiny speck of 2nd Cu. Epi and chlorite.	0.01	0.2	544	<2	22	18	<5	<3	<1	<2	56	9
43128	11-May-08	389229	5442340	Grab	AE	Duplicate	Subcrop (outcrop upslope 8-10 m under o/turned tree root). Siliceous greenstone with moderate to strong magnetic coatings on rusty fractures. Angular. Hard. Minor epi?	<0.01	<0.1	23	<2	50	25	<5	<3	<1	<2	13	84
43129	28-May-08	387651	5443788	Float	LC	TR08-2 area	From Steep Trench area south of Minnie Moore. Sample is gossan/ferricrete float or poss subcrop.	0.04	6.4	625	15	462	580	<5	<3	22	<2	60	49
43130	29-May-08	386562	5440311	Grab	AE	SL-2	From boulder in roadbed at quarry. Fine-grained and chloritic with calcite on fracture surfaces. Very minor py. Slightly rusty.	0.01	<0.1	43	<2	91	<5	<5	<3	2	<2	24	124
43131	29-May-08	386576	5440322	Grab	AE	SL-2	Sharpstone(?) with poss talc-sericite(?). No fizz. Very crumbly.	<0.01	<0.1	29	<2	59	<5	<5	<3	2	<2	18	60
43132	29-May-08	386571	5440329	Grab	AE	SL-2	Subcrop (on both sides of road). Silica vein approx 6 cm wide with white crystals and calcite-chlorite in sharpstone unit.	<0.01	<0.1	21	<2	30	<5	<5	<3	<1	<2	7	23

								Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Bi	Co	Ba
Sample	**Date**	**Easting**	**Northing**	**Type**	**Sampler**	**Area**	**Description**	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43133	29-May-08	3866655	5440300	Float	AE	SL-2	Float in clearcut west of road. 1-3 mm wide qtz-calcite vnlts in grey lmst with coarse crystals. Orange-brown weathered vnlts.	<0.01	0.3	7	100	83	14	<5	<3	<1	<2	6	55
43134	29-May-08	386893	5440299	Grab	AE	SL-2	Subcrop. Sharpstone with rusty surfaces. Diss py. Just below road.	<0.01	<0.1	46	<2	127	<5	<5	<3	3	<2	29	70
43135	29-May-08	386745	5440539	Grab	AE	SL-2	Boulder (in pile around base of post on fenceline). Prob from adjacent subcrop to west. Qtz py in sharpstone. Phyllic alt? Rusty surfaces.	<0.01	<0.1	30	<2	32	16	<5	<3	2	<2	24	11
43136	29-May-08	386718	5440522	Grab	AE	SL-2	Subcrop. Sharpstone with small epidote blisters. Minor py. Poss clay-lined vugs or pockets.	<0.01	0.4	79	<2	130	<5	<5	<3	33	<2	35	55
43137	29-May-08	3866675	5440541	Grab	AE	SL-2	Composite sample. Sharpstone or poss volc(?). Very siliceous. Pyritic and sulfurous. Some rusty surfaces. Epidote and py stringers.	<0.01	0.2	20	<2	48	7	<5	<3	4	<2	23	50
43138	29-May-08	386682	5440560	Grab	AE	SL-2	Chlorite-epidote-very fine calcite vnlts. Some silica in veins (2 mm+) with coarse white crystals and chlorite. Sharpstone unit(?) or calcareous volc(?). Minor diss py. Lots of epidote stringers.	<0.01	<0.1	26	<2	76	8	<5	<3	1	<2	19	134
43139	29-May-08	3866693	5440428	Grab	AE	SL-2	Composite dump sample from deep opencut in clearcut. Diss py in uniform (massive) angular rusty slightly fizzy volc tuff(?).	<0.01	<0.1	43	<2	95	20	<5	<3	4	<2	18	67
43140	30-May-08	386331	5441180	Grab	AE	SL-2	Rusty angular poss sharpstone outcrop with diss py and in blebs. Siliceous. Blue-green grey matrix with whitish "patches". Minor acid "leaching"?	<0.01	0.3	58	2	40	140	<5	<3	2	<2	14	130
43141	2-Jun-08	385357	5441845	Float	AE	No. 16	Float (poss subcrop). Fine-grained (volc?) chloritic rock with 1-3 mm wide silica vnlts. Poss drusy. Angular.	0.08	<0.1	2	<2	30	<5	<5	<3	1	<2	17	80
43142	2-Jun-08	385344	5441909	Grab	AE	No. 16	Fine-grained dark rock. Moderately to strongly magnetic with fine epidote vnlts. 20 m east of TP #43506.	<0.01	<0.1	121	<2	91	<5	<5	<3	<1	<2	31	207
43143	2-Jun-08	385423	5441945	Grab	AE	Balsam Fraction	Fine-grained strongly magnetic dark grey rock with fine py, minor, diss.	0.01	<0.1	191	<2	142	<5	<5	<3	2	<2	49	285
43144	2-Jun-08	385416	5442143	Grab	AE	Balsam Fraction	Sample from only visible rock at west end of caved(?) 30 metre opencut-trench. Siliceous. Crystallized lmst(?) or "chertzite"(?). Angular rusty surfaces. Very fine py diss and in tiny stringers.	<0.01	<0.1	143	<2	19	<5	<5	<3	4	<2	9	217
43145	2-Jun-08	385331	5442273	Grab	AE	Balsam Fraction	From small digging-adit(?) with trench. Blocky siliceous (or partly silicified?) unaltered(?) fine-grained (volc?) with small black dendritic dots (manganese?). Greenish overall.	<0.01	<0.1	153	<2	18	<5	<5	<3	3	<2	10	229
43146	2-Jun-08	385308	5442232	Float	AE	Balsam Fraction	Float (poss subcrop). Rusty angular fine-grained (volc?) with minor very fine py. Chloritic.	<0.01	<0.1	65	4	90	26	<5	<3	10	<2	15	99
43147	2-Jun-08	385325	5442026	Float	AE	No. 16	Float (poss subcrop). Fine-grained angular rusty (volc?) with diss py and in thin seams on fractures. Epidote.	<0.01	<0.1	185	<2	24	<5	<5	<3	2	<2	26	62

Sample	Date	Easting	Northing	Type	Sampler	Area	Description	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Bi ppm	Co ppm	Ba ppm
43148	3-Jun-08	384817	5441558	Grab	AE	Mullen	From boulder under powerline (prob from local volcanic unit). Chlorite masses in fine-grained volcanic with epidote and magnetite. Rock is siliceous and-or hard.	<0.01	<0.1	12	<2	16	<5	<5	<3	2	<2	10	7
43149	3-Jun-08	384807	5441566	Float	AE	Mullen	Sub-rounded. Seems to be local fine-grained volcanic with minor fizz. Minor splash of mal.	0.02	0.2	325	<2	35	<5	<5	<3	2	<2	21	24
43150	3-Jun-08	384768	5441561	Float	AE	Mullen	Sample from cluster of float. Skarn minerals incl massive garnet, silica, calcite (crystals and coatings), poss epidote. Some of silica is vuggy and porous.	<0.01	<0.1	11	<2	48	<5	<5	<3	<1	<2	11	21
43151	3-Jun-08	384823	5441586	Float	AE	Mullen	Siliceous very fine-grained (local volcanic or siltstone?) with rusty surfaces. Minor calcite. Very fine silica veining <1 mm. Very minor fine py diss or stringers.	0.03	<0.1	65	<2	56	<5	<5	<3	1	<2	26	80
43152	3-Jun-08	384918	5441545	Float	AE	Mullen	Boulder (prob subcrop from volcanic outcrop upslope). 1 cm wide silica-calcite vein in angular dark volcanic.	0.01	<0.1	75	<2	84	<5	<5	<3	2	<2	33	637
43153	3-Jun-08	384966	5441804	Grab	AE	No. 16	Chlorite-rich dark volcanic with very fine calcite vnlts and minor fizz on surfaces. No visible sulfide. "Greenstone".	0.01	<0.1	184	<2	40	<5	<5	<3	2	<2	31	49
43154	4-Jun-08	386324	5441560	Grab	AE	LG-2	From pit wall, very rusty vein(?) or pocket with silica. Leaching(?) or clay alt(?) in volc(?) unit or silicified lmst(?).	<0.01	0.4	69	<2	65	9	<5	<3	2	<2	17	87
43155	4-Jun-08	386284	5441625	Float	AE	LG-2	Rusty angular silicified lmst(?) with fine diss py.	0.01	0.5	23	28	84	140	<5	<3	6	<2	19	83
43156	4-Jun-08	386103	5441650	Grab	AE	LG-2	Subcrop (prob OC). Very fine drusy silica vnlts. <1mm with minor calcite crystal in coarse pinkish lmst.	0.07	<0.1	4	4	12	30	<5	<3	4	<2	2	51
43157	4-Jun-08	386103	5441650	Grab	AE	LG-2	Same location as 43156. Drusy silica coating with minor hem (approx. 1mm wide) in chert pebble conglomerate. Poss barite(?).	0.04	<0.1	5	5	7	14	<5	<3	3	<2	3	31
43158	4-Jun-08	386052	5441569	Grab	AE	LG-2	"Dump" sample at small pit. Chert pebble conglomerate, silicified with very fine minor py. Some rusty weathered surfaces.	0.01	0.8	34	38	199	9	<5	<3	9	<2	7	27
43159	5-Jun-08	38790	5440135	Float	AE	SL-2	Boulder in clearcut 20 m downslope of fenceline. Garnetite(?) and minor calcite crystals in sharpstone conglomerate. Reacts to acid on some surfaces.	0.01	<0.1	1	3	19	<5	<5	<3	1	<2	5	40
43160	5-Jun-08	387446	5439935	Float	AE	SL-2	Dark chloritic rock with py diss and on fracture surfaces. Fine-grained (poss volcanic) or altered sharpstone congl. All surfaces very rusty. Sub-rounded.	0.01	0.1	332	<2	41	<5	<5	<3	2	<2	38	72
43161	5-Jun-08	387204	5440589	Float	AE	SL-2	Sharpstone congl with strong chlorite. Maroon colour overall. Unidentified pale soft green mineral in patches. Calcareous.	<0.01	<0.1	2	<2	80	<5	<5	<3	<1	<2	16	77
43300	8-May-08	386184	5441443	Float	RK	Hopewell	Rusty medium brown weathered greenstone. Calcite-filled fractures with diss magnetite, minor py. Within 5 m of old road.	<0.01	<0.1	35	3	48	13	<5	<3	2	<2	20	50
43301	8-May-08	386431	5441731	Grab	RK	LG-2	Several small angular boulders sticking out of ground. Medium-gray white mottled skarn. Minor py/po. May be off claim.	<0.01	2.1	59	871	1385	15	<5	<3	2	<2	12	289

								Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Bi	Co	Ba
Sample	**Date**	**Easting**	**Northing**	**Type**	**Sampler**	**Area**	**Description**	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43302	8-May-08	385527	5441715	Grab	RK	Hopewell	Short 3 m trench cut into rock bluff. Medium-grey, fine-grained, brittle rock. No mineralization noted. Dump sample.	<0.01	<0.1	11	<2	80	<5	<5	<3	3	<2	22	231
43303	9-May-08	385323	5441578	Float	RK	No. 16	Float on hillside. Outcrop upslope. Grey and white mottled qtz with very fine diss py and mag.	<0.01	<0.1	17	22	74	<5	<5	<3	2	<2	9	83
43304	9-May-08	385439	5441812	Grab	RK	No. 16	Trench sample. Very fine-grained black matrix with qtz, limonite and py on fracture planes. Very rusty. Decomposed po.	0.15	1.1	1406	<2	88	20	<5	<3	9	<2	90	17
43305	9-May-08	385425	5441714	Grab	RK	No. 16	Subcrop. Vuggy dull white glassy grey silica. Fractures limonite-coated. Sample rock calved off rock face 15x2 m.	<0.01	<0.1	100	<2	39	11	<5	<3	1	<2	10	43
43306	9-May-08	385058	5441609	Grab	RK	Mullan	Subcrop(?). Large 1x1m boulder below moss-covered rock outcrop 1-2 m downslope. Silica-flooded agglomerate. Rock fragments are soft black fine-grained. Pale green fragments. Weathers brown. Rusty vugs. No visible sulfides.	<0.01	<0.1	42	<2	80	6	<5	<3	<1	<2	5	56
43307	9-May-08	385056	5441576	Grab	RK	Mullan	Subcrop-buried boulder. Similar to 43306. Highly-altered fractured breccia-agglomerate. Sugary texture qtz, manganese stain. Rusty fractures. No visible sulfides.	0.01	<0.1	123	3	27	12	<5	<3	1	<2	3	81
43308	9-May-08	384981	5441502	Float	RK	Mullan	Rusty boulder 1.5x.25m Yellow-brown weathering. Highly altered fractured qtz. Grainy matrix.Rusty-orange green. Abundant py.	0.17	0.9	149	<2	44	82	<5	<3	2	<2	10	14
43309	9-May-08	385148	5441434	Float	RK	Mullan	Float boulder. Rusty weathering. Grey chert. Mottled with white qtz. Py, po. Mag?	0.01	<0.1	77	<2	94	14	<5	<3	3	<2	36	39
43310	9-May-08	385045	5441426	Grab	RK	Mullan	Rusty brown float from shallow hand-dug trench in hillside. Grey chert, py, po, mag.	<0.01	<0.1	33	<2	96	9	<5	<3	4	<2	21	40
43311	10-May-08	385349	5441231	Grab	RK	Mullan Fr.	10x1.5m outcrop in old roadcut. Granular py in pale green fractured qtz. Py follows fracture surfaces. Rusty red brown weathering.	0.03	0.1	4	<2	81	104	<5	<3	2	<2	11	26
43312	10-May-08	385349	5441231	Grab	RK	Mullan Fr.	Within 2 m of 43311. Strong sulfide odor. Tan weathering. Brittle greenstone. Abundant fine diss py.	0.01	<0.1	1	<2	61	64	<5	<3	1	<2	10	35
43313	10-May-08	385452	5441455	Grab	RK	Powerline	Dump sample. 2 m trench 0.5 m deep. Pit 1 m in circumference 0.5 m deep. Grey and white mottled rock cut by pale green-white vnlts 0.5-3 mm wide. Sparse py.	0.01	<0.1	41	<2	50	7	<5	<3	1	<2	13	92
43314	10-May-08	385876	5441413	Grab	RK	Powerline	Black metased cut by <1 mm white veinlets bedded against brown-tan sandstone. Minor py. Mag. Outcrop in roadbed.	<0.01	<0.1	3	<2	101	<5	<5	<3	2	<2	15	1179
43315	10-May-08	385959	5441404	Grab	RK	Powerline	Subcrop. Tan-white lmst with 1-5 mm vnlts of qtz.	<0.01	<0.1	7	13	20	<5	<5	<3	<1	<2	3	24
43316	11-May-08	389050	5442259	Grab	RK	Duplicate	Qtz vnlts 1-2 mm wide in pale green silicified lmst/chert? Sulfides visible in vnlts.	<0.01	0.1	30	11	74	52	<5	<3	3	<2	9	60
43317	11-May-08	388987	5442301	Float	RK	Duplicate	Angular silicified float. Qtz with sulfide, py and grey metallic mineral.	0.01	<0.1	20	<2	1309	13	<5	<3	3	<2	7	37
43318	11-May-08	389224	5442161	Float	RK	Duplicate	Sample located 20 m downslope from these UTMs. Angular float boulder. Greenstone with calcite vnlts <1mm. Py.	<0.01	0.1	17	14	324	18	<5	<3	4	<2	41	113

								Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Bi	Co	Ba
Sample	**Date**	**Easting**	**Northing**	**Type**	**Sampler**	**Area**	**Description**	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43319	11-May-08	389137	5442225	Float	RK	Duplicate	Float in talus. Lmst outcrop. Qtz vein in lmst float. Sulfides visible at vein margins. Rusty lmst. Mal. Vein material 1-2 cm wide.	<0.01	0.6	14	<2	37	6	<5	<3	1	<2	12	64
43320	11-May-08	389003	5442371	Grab	RK	Duplicate	Sample taken from wall in 2x3 m pit 2-3 m deep. Qtz veins up to 6 cm wide in tan-grey lmst.	<0.01	0.5	4	11	34	<5	<5	<3	<1	<2	2	28
43321	11-May-08	389135	5442227	Float	RK	Duplicate	Float. Limestone with qtz vein, 4 cm wide, malachite. Near 43319 (~ 3 m upslope)	<0.01	0.4	19	8	77	<5	<5	<3	1	<2	14	35
43500	29-May-08	386559	5440313	Float	TP	SL-2	Rusty, limonitic, vuggy alteration. Angular. Qtz vein. Dark sulfide. Sharpstone?	0.24	1.4	1109	<2	65	294	<5	<3	2	<2	26	65
43501	29-May-08	386569	5440354	Grab	TP	SL-2	Heavy chloritic alteration. Sharpstone pebble congl. Minor py. Cherty. Float near similar outcrop (subcrop?).	0.01	<0.1	38	<2	72	<5	<5	<3	1	<2	22	48
43502	29-May-08	386744	5440250	Grab	TP	SL-2	Cherty, sharpstone congl. Partial oxidation. Py. Chlorite alteration. Roadside outcrop.	0.01	0.2	76	5	138	21	<5	<3	2	<2	21	61
43503	29-May-08	386889	5440321	Grab	TP	SL-2	Sharpstone congl. Chlorite alteration. Py. Oxidation.	0.01	<0.1	32	<2	100	<5	<5	<3	2	<2	20	77
43504	29-May-08	386923	5440520	Grab	TP	SL-2	Gossan. Limonitic alteration. Contains massive py. Vuggy. Oxidation. Site of old workings. Shaft 4m vertical by 3m wide.	0.03	1.8	44	<2	47	17	<5	<3	25	<2	7	17
43505	30-May-08	386390	5441145	Grab	TP	SL-2	Roadside outcrop. Chlorite alteration. Lmst with py cubing and diss py with banding.	0.01	<0.1	6	<2	44	7	<5	<3	1	<2	17	45
43506	2-Jun-08	385364	5441909	Float	TP	No. 16	Heavy chlorite alteration with py and diss py. Partially silicified with minor magnetite grains. Fine-grained volcanic.	0.01	<0.1	290	<2	108	<5	<5	<3	2	<2	39	584
43507	2-Jun-08	385363	5442007	Float	TP	Balsam Fraction	Rusty, limonitic, chloritic alteration with py cubes and diss py. Brooklyn lmst.	0.01	1.0	312	<2	23	11	<5	<3	4	<2	9	59
43508	2-Jun-08	385422	5422143	Grab	TP	Balsam Fraction	Trench float. Angular, dark, chlorite alteration with py and magnetite. Oxidized fracture surfaces. Fine-grained volcanic.	0.01	0.1	185	<2	62	<5	<5	<3	1	<2	29	49
43509	2-Jun-08	385331	5442273	Grab	TP	Balsam Fraction	Small trench workings in outcrop. Fine-grained mineralization. Minor py. Mafic rock. Volcanic.	0.01	<0.1	76	<2	112	<5	<5	<3	3	<2	56	563
43510	2-Jun-08	385318	5442099	Float	TP	Balsam Fraction	Rootball float. Angular, chlorite alteration. Skarn type. Epidote, py, calcite veins.	0.01	<0.1	36	<2	64	<5	<5	<3	<1	<2	12	11
43511	2-Jun-08	385321	5441978	Grab	TP	No. 16	Angular, chlorite alteration. Py, oxidized, fine-grained volcanic.	0.01	<0.1	60	<2	91	<5	<5	<3	1	<2	40	41
43512	3-Jun-08	384765	5441596	Grab	TP	Mullen	Fine-grained volcanic greenstone. Py, py veining. Under powerline.	0.01	<0.1	54	<2	82	<5	<5	<3	2	<2	29	58
43513	3-Jun-08	384712	5441811	Grab	TP	Mullen	Partial silicification. Fine-grained volcanic. Hornfels. Py, calcite. Site of old workings.	0.01	<0.1	81	<2	44	<5	<5	<3	1	<2	21	435
43514	3-Jun-08	384736	5441825	Grab	TP	Mullen	Fine-grained alteration. Skarn rock. Chlorite, epi, mal, magnetite, py.	0.02	0.1	151	<2	35	<5	<5	<3	1	<2	23	188
43515	3-Jun-08	384755	5441855	Grab	TP	Mullen	Partially silicified lmst, magnetite, py, py veins, dark-gray alteration.	0.01	<0.1	156	<2	68	<5	<5	<3	2	<2	29	882
43516	3-Jun-08	384775	5441906	Grab	TP	No. 16	From dump(?) at water-filled windfall-covered shaft 1mx2m. Depth unknown. Chlorite alteration, magnetite, calcite veins, oxidized.	0.03	<0.1	153	<2	33	<5	<5	<3	<1	<2	17	144
43517	3-Jun-08	384923	5441531	Grab	TP	Mullen	Subcrop. Oxidized, silicified altered chert pebble congl(?). With hem, py, limonite.	0.01	<0.1	53	<2	11	11	<5	<3	2	<2	1	288
43518	4-Jun-08	386302	5441543	Grab	TP	LG-2	From old shaft 3x3m x 5m deep. Skarn-type alteration. Lmst, py, chlorite. Oxidized contact rock.	0.01	0.4	136	<2	51	38	<5	<3	3	<2	31	16

								Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Bi	Co	Ba
Sample	**Date**	**Easting**	**Northing**	**Type**	**Sampler**	**Area**	**Description**	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43519	4-Jun-08	386355	5441527	Grab	TP	LG-2	From small 2m square test pit. Cherty lmst alteration. Py, limonite. Oxidized.	0.01	<0.1	26	11	68	51	<5	<3	1	<2	15	140
43520	4-Jun-08	386380	5441572	Grab	TP	LG-2	From8 m cat trench trending N/S. Lmst skarn alteration. Py, oxidized. Calcite veins. Chlorite, epi. Trace mal, azurite.	0.01	2.5	125	641	1486	26	<5	<3	7	<2	8	76
43521	4-Jun-08	386085	5441507	Float	TP	LG-2	Greenstone alteration. Calcite veins. Py, oxidized, angular, some vugginess. Sharpstone pebble congl nearby in outcrop.	0.01	<0.1	9	<2	66	13	<5	<3	1	<2	6	36
43522	4-Jun-08	386134	5441497	Float	TP	LG-2	Silicified lmst alteration. Chlorite, py, calcite veins.	<0.01	0.6	23	57	51	21	<5	<3	1	<2	11	99
43523	5-Jun-08	387273	5440223	Grab	TP	SL-2	From limestone outcrop in clearcut. Limonitic with py cubing and oxidation.	0.01	<0.1	1	4	7	<5	<5	<3	<1	<2	<1	18
43524	5-Jun-08	387531	5440144	Grab	TP	SL-2	Heavily chloritic alteration of sharpstone congl. Cherty with minor oxidation.	0.01	<0.1	11	<2	80	<5	<5	<3	1	<2	17	47

APPENDIX 2b

Trench Sample Descriptions

Sample	Trench	Description	Sample	Interval		Sample	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
			Type	From	To	Length	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				meters	meters	meters									
44001	TR08-1	Grab at 3 m in trench of weak-mod ep skarn alt'd calc siltstone with 5% py, minor qtz vnlts	grab	@ 3m			<0.01	0.4	22	18	98	80	<5	<3	1
44002	TR08-1	Grab at 6 m of buff, rusty weathering marble with minor mm scale clear-white qtz vnlts	grab	@ 6 m			<0.01	<0.1	13	3	28	40	<5	<3	2
44003	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	8.0	11.0	3.0	0.01	0.1	26	11	91	60	<5	<3	3
44004	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	11.0	14.0	3.0	0.01	0.2	35	7	107	70	<5	<3	4
44005	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	14.0	17.0	3.0	<0.01	0.2	55	2	91	51	<5	<3	2
44006	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	17.0	20.0	3.0	<0.01	0.4	25	5	133	100	<5	<3	2
44007	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	20.0	23.0	3.0	<0.01	0.1	16	4	68	57	<5	<3	2
44008	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	23.0	26.0	3.0	<0.01	<0.1	11	<2	74	22	<5	<3	2
44009	TR08-1	Massive to well bedded Trbl, locally Trbl(c) or (m) & minor calc siltst interbeds, minor diss py, tr qtz vnlts	chip	26.0	31.0	5.0	<0.01	<0.1	29	<2	88	57	<5	<3	4
44010	TR08-1	Trbl +/- well bedded +/- cherty +/- pyritic.	chip	31.0	34.0	3.0	<0.01	<0.1	24	<2	75	52	<5	<3	3
44011	TR08-1	Well bedded Trbl +/- pyritic. Includes 0.3 m fault zone @ 016/80W	chip	34.0	37.0	3.0	<0.01	0.3	46	<2	107	37	<5	<3	8
44012	TR08-1	Well bedded Trbl +/- pyritic.	chip	37.0	40.0	3.0	<0.01	0.2	43	5	79	45	<5	<3	14
44013	TR08-1	Coarse grained marble	chip	40.0	43.0	3.0	<0.01	<0.1	22	3	65	28	<5	<3	4
44014	TR08-1	Coarse grained marble	chip	43.0	46.0	3.0	0.01	0.1	10	<2	24	19	<5	<3	3
44015	TR08-1	Coarse grained marble	chip	46.0	49.0	3.0	<0.01	<0.1	10	<2	40	35	<5	<3	2
44016	TR08-1	Weak ep-py skarn alt'd Trbl. Note no samples 52.5-58.0 due to unstable trench walls.	chip	49.0	52.5	3.5	<0.01	0.3	69	<2	375	28	<5	<3	3
44017	TR08-1	Weak ep-py skarn alt'd calc siltstone, highly shattered, Fe ox fracs.	chip	58.0	61.0	3.0	<0.01	0.1	51	<2	56	24	<5	<3	3
44018	TR08-1	Weak ep-py skarn alt'd calc siltstone, highly shattered, Fe ox fracs.	chip	61.0	64.0	3.0	<0.01	0.2	48	8	68	9	<5	<3	1
44019	TR08-1	Weak ep-py skarn alt'd calc siltstone, highly shattered, Fe ox fracs.	chip	64.0	67.0	3.0	<0.01	0.3	78	35	75	19	<5	<3	1
44020	TR08-1	Weak ep-py skarn alt'd calc siltstone, highly shattered, Fe ox fracs.	chip	67.0	70.0	3.0	0.01	0.3	118	<2	76	37	<5	<3	2
44021	TR08-1	Field duplicate of 44020	dup chip	67.0	70.0	3.0	<0.01	0.2	75	<2	59	26	<5	<3	1
44022	TR08-1	STANDARD PM 411	STD PM 411				1.02	1.2	34	24	177	2324	115	<3	7
44023	TR08-1	BLANK	BLANK				<0.01	<0.1	7	20	80	12	<5	<3	6
44024	TR08-2	Coarse grained marble	chip	0.0	0.5	0.5	0.01	<0.1	7	6	16	15	<5	<3	<1
44025	TR08-2	Mod ep (+ px?) skarn alt'd calc siltst/lst with minor py + cpy. Local str Fe ox/gossan pods & bands	chip	0.5	2.0	1.5	0.12	6.3	1485	7	293	621	<5	<3	15
44026	TR08-2	Mod ep (+ px?) skarn alt'd calc siltst/lst with minor py + cpy. Local str Fe ox/gossan pods & bands	chip	2.0	3.5	1.5	0.01	1.5	310	2	161	88	<5	<3	4
44027	TR08-2	Mod ep (+ px?) skarn alt'd calc siltst/lst with minor py + cpy. Local str Fe ox/gossan pods & bands	chip	3.5	5.0	1.5	0.05	4.4	1700	4	222	134	<5	<3	13
44028	TR08-2	Mod ep (+ px?) skarn alt'd calc siltst/lst with minor py + cpy. Local str Fe ox/gossan pods & bands	chip	5.0	7.0	2.0	0.03	5.2	848	<2	109	175	<5	<3	6
44029	TR08-2	Fault zone - gouge + broken rx at contact between skarn and diorite dyke. Orientation uncertain.	chip	7.0	7.5	0.5	0.06	104.1	577	60	159	225	<5	<3	12
44030	TR08-2	Fine grained dior-gd with minor py, wk local ep alt'n	chip	7.5	10.5	3.0	<0.01	0.5	19	2	105	44	<5	<3	2
44031	TR08-2	Fine grained dior-gd with minor py, wk local ep alt'n	chip	10.5	13.5	3.0	<0.01	0.3	48	<2	89	56	<5	<3	2
44032	TR08-2	Fine grained dior-gd with minor py, wk local ep alt'n	chip	13.5	16.5	3.0	<0.01	0.2	20	<2	67	30	<5	<3	2
44033	TR08-2	Fine grained dior-gd with minor py, wk local ep alt'n	chip	16.5	20.5	4.0	<0.01	0.3	20	<2	64	23	<5	<3	2
44034	TR08-2	Flat fault cutting dior. Mod Fe ox, mod silic-ep alt'n, 5-10% diss py.	chip	20.5	21.5	1.0	<0.01	0.8	43	3	101	39	<5	<3	3
44035	TR08-2	Pale-med grey, str silic'd fng dior with blurred textures and with 10% diss py.	chip	21.5	23.5	2.0	0.01	0.8	39	27	149	23	<5	<3	2
44036	TR08-2	Pale-med grey, str silic'd fng dior with blurred textures and with 10% diss py.	chip	23.5	25.5	2.0	<0.01	0.7	34	8	123	32	<5	<3	3
44037	TR08-2	Fine grained, weak-mod chl-ep alt'd Trbv. Shattered, minor py, weakly calcareous.	chip	48.5	50.5	2.0	<0.01	0.3	29	35	611	35	<5	<3	2
44038	TR08-3	Weak-mod ep-hem skarn with minor py.	chip	13.5	16.0	2.5	<0.01	0.3	28	18	123	12	<5	<3	2
44039	TR08-3	Weak-mod ep-hem skarn with minor py.	chip	16.0	18.5	2.5	<0.01	0.2	24	25	159	139	<5	<3	2
44040	TR08-3	Cherty siltstone with 5% py, minor sphal + ?. Shattered, str Fe ox fracs.	chip	18.5	21.5	3.0	<0.01	1.6	82	490	1818	151	<5	<3	5
44041	TR08-3	Field duplicate of 44040	dup chip	18.5	21.5	3.0	0.01	1.3	95	305	1173	147	<5	<3	4
44042	TR08-3	STANDARD PM 411	STD PM 411				1.01	1.0	33	23	173	2282	125	<3	7
44043	TR08-3	BLANK	BLANK				<0.01	0.2	4	23	79	15	<5	<3	7
44044	TR08-4	Fault zone @ 360/90. 1 m shattered zone in str ep skarn/calc silicate alt'd lst, 2% cpy. Tr mal.	chip	31.0	32.0	1.0	0.63	25.2	6181	<2	579	102	<5	<3	2
44045	TR08-4	Mod-str ep-gar skarn. V siliceous. 2-5% py, minor cpy, local str gossan zones. Minor cg marble	chip	32.0	34.0	2.0	0.01	<0.1	43	11	1421	11	<5	<3	1
44046	TR08-4	Mod-str ep-gar skarn. V siliceous. 2-5% py, minor cpy, local str gossan zones. Minor cg marble	chip	34.0	36.5	2.5	0.24	1.7	388	<2	143	343	<5	<3	9
44047	TR08-4	Mod-str ep-gar skarn. V siliceous. 2-5% py, minor cpy, local str gossan zones. Minor cg marble	chip	36.5	39.0	2.5	0.08	6.8	2633	<2	462	133	<5	<3	4

APPENDIX 3

Drill Logs

AREA: Minnie Moore
HOLE: KRR 08-1

Collar UTM Easting: 387386
Northing: 5444030
Grid Easting:
Northing:
Purpose: Test for MM vein, directly below TR 07-1/3 and below sill.

Azimuth: 090
Dip: -50
Depth: 181.94 m
Elevation: 1123 m

Started: 22-May-08
Completed 26-May-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled) Note: All angles listed in log are with respect to core axis.

DOMINANT ROCK TYPE				SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	3.05	Casing														
3.05	33.05	Trbs	Pale grey to green, fng cherty siltstone; scattered cc vnlts to 1 mm, as well as occassional larger	28001	3.05	6.00	2.95	0.13	0.2	119	<2	89	148	<5	<3	12
			concentrations as noted. Significant bedding throughout, generally ~ 60° to CA. Becoming	28002	6.00	9.00	3.00	0.07	0.1	62	<2	57	290	<5	<3	27
			more mottled after ~ 14.5 m, with apparent repaired brecciation in places. Thin alteration	28003	9.00	12.00	3.00	0.03	0.1	52	<2	73	227	<5	<3	20
			haloes noted along fractures, especially from 17-18.5 m. Very minor scattered pyrite.	28004	12.00	15.00	3.00	0.01	<0.1	53	<2	51	138	<5	<3	10
			Minor hematite alt'n on fracs to ~ 9.5 m.	28005	15.00	18.00	3.00	0.15	0.2	54	<2	80	226	<5	<3	15
				28006	18.00	21.00	3.00	0.03	0.6	92	<2	85	373	<5	<3	14
			3.5 - 4.2 m White to light grey bedded limestone. Microfault with 3 mm offset noted at 4.1 m.	28007	21.00	24.00	3.00	0.02	0.4	116	<2	71	299	<5	<3	13
				28008	24.00	27.00	3.00	0.02	0.3	101	<2	118	35	<5	<3	18
			8.1 m Approx 5 cm (bleb?) of cc with bladed xtals	28009	27.00	30.00	3.00	0.01	0.9	117	9	241	186	<5	<3	40
				28010	STD	PM 411		0.99	1.0	31	18	163	2166	115	<3	6
			14.0 m More examples of offset (3 mm) microfaults	28011	30.00	33.05	3.05	0.01	0.1	49	4	103	72	<5	<3	16
			14.3 m Increasing frequency of cc vnlts, both regular in nature as well as convoluted veins to													
			5 mm													
			14.3 - 14.6 m Dark chloritic section with py smears on frac surfaces													
			15.5 m slickensided surface with cc veining													
			19.2 m bedding at 45 degrees													
			19.7 m minor but distinct zone of chert pebble conglomerate													
			20.8 m altered Trbs with minor py to 2mm, speckled appearance													
			22.5 m 20 cm section of very limey, drill rounded fragments													
			23.7 m Minor stockwork of cc veins to 1 cm. Also at ~ 24.2 m, 25.2m. Similar zones intermittently													
			to 33.05 m.													
			28.3 - 28.95 m Fault zone (LC)													
			@ 33.05 = chilled intrusive contact Trbs/Ei dyke (LC)													
33.05	34.50	Ei2	Dark grey, magnetic dyke, K + Ca fsp, biotite, px.													
			@ 33.7 m gougy cc vnlts													
34.50	36.80	Ei1a	34.5 - 36.8 m. Ei1a dyke cuts Ei2. Pink Kspar syenite, poorly magnetic, minor mafics.													
36.80	39.70	Ei2	Moderately magnetic, grey fine grained dyke. 1-3 mm subhedral plag phenos, occassional	28012	37.00	38.00	1.00	<0.01	0.2	33	3	137	<5	<5	<3	3
			hairline to 1 mm cc fracs, the larger ones often at 45°													

DOMINANT ROCK TYPE From (m)	To (m)	Lithology	DESCRIPTION	SAMPLE Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			@ 37.3 m 1 cm width Iceland spar cc													
39.70	50.20	Ei1a	Pink-brown Kspar syenite, ~ 5% alt'd subhedral fsp, 2-5 mm phenos in finer grained gmass,													
			weakly magnetic.													
			44.2 - 44.5 broken ground (LC - fault?)													
			44.4 - 44.7 m Ei1b dyke intrudes Ei1a.													
			45.4 - 45.8 broken ground (LC - fault?)													
50.20	52.80	Ei1b	Intrusive contact from light grey Ei1a into more strongly magnetic, pink syenite at 50.2 m. 5-10%													
			an-subhedral fsp, 2-5 mm.													
			@ 52.8 m = intrusive contact from Ei1b to Ei2 (LC)													
52.80	83.30	Ei2	Typical medium to coarse grained, grey, mod magnetic bi-fsp-px intrusive. Infrequent Kspar													
			phenos, ~ 5 mm, in a plag rich gmass with grains typically ~ 2mm.													
			54.0 - 56.7 m FAULT ZONE. Highly fragmented, gougey, cc rich, soft, soapy clay filled fracs.	28013	54.00	57.00	3.00	<0.01	0.1	24	<2	74	<5	<5	<3	3
			Appears to have minor sulfide content. (LC - str fault zone in Ei2, with pervasive argillic alt)													
			@ 70.2 m Kspar phenos ~ 1 cm noted. Similar occurrences at scattered infrequent intervals													
			74.9 - 76.8 FAULT ZONE, with perv argillic alt'n (LC). Grades rapidly from dark to light grey, then													
			back to dark													
			75.6 m slickensides on frac at 45°													
			76.1 m cc veining, to 1 cm													
			76.1 - 76.3 m FAULT ZONE. Highly altered to soft clay/talc.													
			80 m (+/-) v fine grained py, dark rock but with ~ 5% pink Kspar in places													
			81.1 - 81.3 m Fault zone, with bladed xtalline cc, highly fragmented.													
			82 m (+/-) chlorite alt'n on fracs													
83.30	94.70	Ei1b	@ 83.3 m is chilled intrusive contact at 35° to Ei2 above (LC).													
			Pink anhedral Kspar to 3 mm (15%) at 83.7 m. Overall Kspar content by 85 m is ~ 70%. Magnetic.													
			84.7 m broken core with drill rounded fragments													
			88.4 m cc in fracts but also possibly some gypsum (soft, bladed, correct luster). Other occurrences													
			within 2 m either way.													
			93 m vicinity - anhedral pink Kspar to 8 mm (10%) in finer groundmass of predom pink Kspar													
			94.7 Ei1b is chilled at contact with Ei2. Irregular intrusive contact at 30-90° (LC).													
94.70	96.30	Ei2	Dark grey, medium grained bi-fsp-px intrusive.													
			@ 96.3 m contact is a chilled intrusive contact at 40°. 1 cm chill zone. Fine py filling hairline													

DOMINANT ROCK TYPE				SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			fractures at contact.													
				28014	95.30	96.30	1.00	<0.01	0.5	45	<2	87	7	<5	<3	3
96.30	99.00	Qtz	Quartz-carbonate breccia stockwork with quartz dominating. Likely epithermal origin and possible	28015	96.30	97.20	0.90	<0.01	1.8	7	2	65	8	<5	<3	4
		Stockwork	multiple events. Fragments of lst/chert breccia recemented by SiO2 as veins and interstitial.	28016	97.20	98.10	0.90	0.01	2.9	4	5	37	12	<5	<3	3
		Zone	Minor sulfides. Ratio of qtz:silicification:breccia frags = approx 45:15:40	28017	98.10	99.00	0.90	0.01	1.5	4	11	38	14	<5	<3	3
			(LC description: Zone of qtz stockwork bx veining with ~ 50% white qtz with 20-50% angular	28018	99.00	100.75	1.75	0.01	0.2	5	23	73	11	<5	<3	2
			greenish chl alt'd &/or siliceous bx frags, with intervals of unaltered lst and intervals of intense	28019	100.75	102.50	1.75	0.01	0.1	12	9	25	15	<5	<3	14
			silic'n. Some internal faulting/slickensides, but contacts of zone are NOT faulted).	28020	BLANK			0.01	0.1	3	12	69	16	<5	<3	6
				28021	102.50	104.25	1.75	0.02	0.1	7	7	25	21	<5	<3	4
99.00	105.80	Trbl(bx)	Mainly limestone breccia (LC - mosaic breccia), frags to 6 cm but typically 3-5 cm.	28022	104.25	106.00	1.75	0.01	0.7	4	6	27	18	<5	<3	2
				28023	106.00	107.00	1.00	0.26	71.0	67	283	116	60	<5	<3	9
105.80	106.00	Trbl(jb)	Narrow interval of chert pebble conglomerate. Pebbles are typically 3-4 mm. Additional 5 cm zone	28024	107.00	108.00	1.00	0.17	37.8	41	223	149	47	<5	<3	4
			of the same at 107.5 m.	28025	108.00	109.70	1.70	0.08	9.0	23	55	67	46	<5	<3	2
				28026	109.70	111.30	1.60	0.55	178.5	209	542	102	41	<5	<3	2
106.00	108.00	Qtz	Qtz-carbonate stockwork zone, similar to above. Up to 5% fine py and other unidentified sulfide.	28027	111.30	113.40	2.10	0.03	1.9	59	<2	81	27	<5	<3	3
		Stockwork														
		Zone	@ 108.0 is faulted lower contact at 70° to C/A (LC)													
108.00	109.70	Trbl(bx)	Typical limestone mosaic bx, as above.													
109.70	111.30	Silicified/	Qtz-carbonate stockwork as above (LC - this zone is dominantly strong pervasive silicification).													
		Stockwork	Up to 5% py and very fine grained grey-black unidentified sulfide.													
		Zone														
111.30	113.40	Trbl(bx)	Limestone/chert breccia.													
			@ 112.4 m is Fault zone with gouge, slickensides													
113.40	134.50	Trbs	Calcareous, fine grained, skarny siltstone & interbedded skarn altered Trbbx interbeds (LC).	28028	113.40	115.20	1.80	0.01	0.1	36	<2	55	10	<5	<3	2
				28029	115.20	117.00	1.80	0.01	0.2	45	11	80	12	<5	<3	2
			Generally well bedded, with bedding at 70° to C/A.	28030	STD	PM 411		0.99	0.9	31	20	163	2173	119	<3	6
				28031	117.00	118.80	1.80	0.02	<0.1	28	<2	82	14	<5	<3	2
			114.7 - 114.9 m "diorite" look, but mainly alternating dark and light limestone fragments	28032	118.80	121.00	2.20	0.02	<0.1	33	3	95	14	<5	<3	3
			116.5 m vicinity - minor garnet/epidote skarn, minor py. Similar zones intermittently elsewhere.	28033	121.00	123.00	2.00	0.01	<0.1	48	<2	73	10	<5	<3	2
			117.4 m Fault zone. 10 cm gouge zone with rotten cc.	28034	123.00	125.00	2.00	0.01	0.2	39	44	189	10	<5	<3	1
				28035	125.00	127.00	2.00	0.01	0.1	27	25	185	11	<5	<3	2
			118.8 - 121.0 Zone of dark fine grained siliceous rock containing ~ 20% blebs of 2-3 mm lighter	28036	127.00	129.00	2.00	0.01	0.1	29	16	154	8	<5	<3	<1
			calcite/limey material	28037	129.00	130.80	1.80	0.01	<0.1	8	<2	70	<5	<5	<3	1
				28038	130.80	132.60	1.80	0.01	<0.1	114	<2	47	<5	<5	<3	3
			121.0 - 129.0 Mainly **garnet/epidote skarn,** grading back and forth between less altered zones of	28039	132.60	134.50	1.90	0.01	<0.1	44	<2	106	8	<5	<3	2
			Brooklyn sediments. Generally non-magnetic. Intermittent blebs of py. Very minor cpy, possible	28040	BLANK			<0.01	<0.1	3	10	70	9	<5	<3	5
			spec hematite.	28041	134.50	136.50	2.00	0.04	<0.1	17	5	39	9	<5	<3	45
				28042	136.50	138.50	2.00	0.01	<0.1	12	7	46	11	<5	<3	48
			129.0 - 134.5 Dark grey siliceous bx, frags generally 1-2 mm, mod magnetic, up to 5% py locally.	28043	138.50	140.50	2.00	0.03	2.0	371	22	113	10	<5	<3	6
			Veinlets of cc to 1 mm, scattered throughout.	28044	140.50	142.50	2.00	0.02	1.2	244	17	118	13	<5	<3	2
				28045	142.50	144.50	2.00	0.02	0.3	57	8	144	131	<5	<3	21
134.50	154.40	Trb	Zone of strong pale brown garnet + epidote + local hematite skarn with minor cpy, in sharpstone	28046	144.50	146.50	2.00	0.01	0.1	29	6	70	11	<5	<3	9
		skarn	conglomerate (LC)	28047	146.50	148.50	2.00	0.01	1.1	302	20	133	10	<5	<3	1
				28048	148.50	150.50	2.00	0.02	0.3	49	27	190	9	<5	<3	1
			Light grey/green/brown garnet-epidote skarn, minor scattered py, very minor cpy, some	28049	150.50	152.50	2.00	<0.01	0.5	85	71	230	13	<5	<3	<1
			chlorite alt'n. Occassional cc vnlts, 1-4 mm, at various angles. Generally fairly competent, but	28050	STD	PM 411		0.99	0.9	34	22	178	2316	119	<3	7
			more fractured 135.7 - 136.0 m, 142.4 - 142.7m, 147.1 - 147.6 m.	28051	152.50	154.50	2.00	<0.01	0.7	124	89	203	22	<5	<3	2
				28052	154.50	156.50	2.00	0.01	0.4	67	92	362	29	<5	<3	2

DOMINANT ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			153.0 - 154.4 grades from skarn zone above, to less altered sharpstone conglomerate below	28053	156.50	158.50	2.00	<0.01	0.4	67	20	132	32	<5	<3	3
				28054	158.50	160.50	2.00	0.10	0.5	92	4	91	26	<5	<3	2
154.40	171.70	Trbbx	Sharpstone conglomerate - clastic chert/limestone breccia. Intermittent skarn influence to 163 m,	28055	160.50	162.50	2.00	0.04	2.0	336	541	1018	15	<5	<3	21
			with epidote and chl alt'n present. Essentially non-magnetic. Frequent blebs of py, though	28056	162.50	164.50	2.00	0.01	0.5	140	15	95	8	<5	<3	16
			minor overall.	28057	164.50	166.50	2.00	0.04	0.9	405	3	80	53	<5	<3	2
				28058	166.50	168.50	2.00	0.01	<0.1	13	2	29	6	<5	<3	2
			157.0 - 157.2 well defined chert pebbles to 4 mm, appears similar to jb unit	28059	168.50	170.50	2.00	0.01	<0.1	8	<2	42	61	<5	<3	3
				28060	BLANK			<0.01	<0.1	4	44	75	20	<5	<3	6
			163.0 - 164.2 lst clasts to 4 cm in repaired bx	28061	170.50	171.70	1.20	<0.01	<0.1	18	<2	44	31	<5	<3	3
			164.2 - 171.7 mottled mix of limey seds with disrupted bedding, brecciation repair, futher brecciation													
			and repair; skarn alteration with gar-hem-ep. Scattered py.													
			@ 164.3 possible minor cpy													
			@ 165.2 (and other locations) Offsets along microfaults, random directions.													
			170.0 - 170.2 several approx parallel 2 mm veinlets at 45°, repairing 2nd stage of bx/fracturing.													
171.70	173.40	Ei1a	Light grey becoming brown to pink Kspar syenite intrusive (dyke). Very mildly magnetic.													
			Contact from Trbbx above is not well defined. 10% subhedral pink to white Kspar 2-5 mm, in grey													
			or pink/brown fg gmass.													
			@ 173.3 - 173.4 faulted lower contact @ 70°, to Trbl (bx) below.													
173.40	173.70	Trbl (bx)		28062	173.30	173.70	0.40	<0.01	<0.1	10	4	50	12	<5	<3	3
173.70	181.97	Ei1a	@ 173.7 m contact is ill defined.													
			Pink to brown fine grained intrusive with ~ 15% white to pink subhedral 2-5 mm Kspar phenos,													
			approx 5% mafics and mod magnetic. No sulfides observed.													
181.97	EOH															

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	3.05	5.18	0.83	2.13	39	2.13	0.10	5	SW
1	5.18	8.23	2.20	3.05	72	3.05	0.52	17	SW
1/2	8.23	11.28	2.16	3.05	71	3.05	0.72	24	FR
2	11.28	14.32	2.92	3.04	96	3.04	1.23	40	FR
2/3	14.32	17.37	2.88	3.05	94	3.05	1.79	59	FR
3/4	17.37	20.42	2.97	3.05	97	3.05	2.23	73	FR
4	20.42	23.47	2.70	3.05	89	3.05	1.17	38	FR
4/5	23.47	26.51	2.85	3.04	94	3.04	1.25	41	FR
5	26.51	29.56	3.00	3.05	98	3.05	0.86	28	FR
5/6	29.56	32.61	2.90	3.05	95	3.05	2.12	70	FR
6	32.61	35.66	3.05	3.05	100	3.05	2.25	74	FR
6/7	35.66	38.70	3.04	3.04	100	3.04	1.88	62	FR
7/8	38.70	41.75	3.05	3.05	100	3.05	2.13	70	FR
8	41.75	44.80	3.02	3.05	99	3.05	2.07	68	FR
8/9	44.80	47.85	3.05	3.05	100	3.05	2.02	66	FR
9/10	47.85	50.90	3.05	3.05	100	3.05	2.51	82	FR
10	50.90	53.94	3.04	3.04	100	3.04	1.54	51	FR
10/11	53.94	56.99	3.05	3.05	100	3.05	1.25	41	FR
11/12	56.99	60.04	3.05	3.05	100	3.05	2.72	89	FR
12	60.04	63.09	3.05	3.05	100	3.05	2.18	71	FR
12/13	63.09	66.13	3.04	3.04	100	3.04	2.08	68	FR
13	66.13	69.18	3.05	3.05	100	3.05	2.42	79	FR
13	69.18	72.23	3.05	3.05	100	3.05	2.06	68	FR
13/14	72.23	75.29	3.06	3.06	100	3.06	2.55	83	FR
14	75.29	78.33	3.04	3.04	100	3.04	1.88	62	FR
14/15	78.33	81.38	3.05	3.05	100	3.05	2.31	76	FR
15/16	81.38	84.43	3.05	3.05	100	3.05	1.84	60	FR
16	84.43	87.48	2.95	3.05	97	3.05	1.85	61	FR
16/17	87.48	90.53	3.05	3.05	100	3.05	1.40	46	FR
17	90.53	93.57	3.04	3.04	100	3.04	2.70	89	FR
17/18	93.57	96.62	3.05	3.05	100	3.05	2.39	78	FR
18	96.62	99.67	3.05	3.05	100	3.05	2.12	70	FR
18/19	99.67	102.72	3.05	3.05	100	3.05	2.55	84	FR
19	102.72	105.77	3.05	3.05	100	3.05	2.62	86	FR
19/20	105.77	108.81	3.04	3.04	100	3.04	2.70	89	FR
20/21	108.81	111.86	3.00	3.05	98	3.05	2.19	72	FR
21	111.86	114.91	3.05	3.05	100	3.05	1.01	33	FR
21/22	114.91	117.96	3.00	3.05	98	3.05	1.35	44	FR
22	117.96	121.01	3.05	3.05	100	3.05	2.60	85	FR
22/23	121.01	124.05	3.04	3.04	100	3.04	1.06	35	FR
23	124.05	127.10	3.05	3.05	100	3.05	2.09	69	FR
23/24	127.10	130.15	3.05	3.05	100	3.05	1.77	58	FR
24/25	130.15	133.20	3.05	3.05	100	3.05	2.45	80	FR
25	133.20	136.25	3.05	3.05	100	3.05	2.05	67	FR
25/26	136.25	139.29	3.04	3.04	100	3.04	0.92	30	FR
26	139.29	142.34	3.05	3.05	100	3.05	1.42	47	FR
26/27	142.34	145.39	3.00	3.05	98	3.05	2.03	67	FR
27	145.39	148.44	3.05	3.05	100	3.05	1.41	46	FR
28	148.44	151.49	3.05	3.05	100	3.05	1.61	53	FR
28/29	151.49	154.53	3.04	3.04	100	3.04	1.20	39	FR
29	154.53	157.58	3.05	3.05	100	3.05	1.05	34	FR
29/30	157.58	160.63	3.00	3.05	98	3.05	0.63	21	FR
30	160.63	163.68	3.05	3.05	100	3.05	1.62	53	FR
30/31	163.68	166.73	3.05	3.05	100	3.05	2.39	78	FR
31/32	166.73	169.77	3.04	3.04	100	3.04	2.08	68	FR
32	169.77	172.82	3.05	3.05	100	3.05	1.13	37	FR
32/33	172.82	175.87	3.00	3.05	98	3.05	0.22	7	FR
33	175.87	178.92	3.05	3.05	100	3.05	1.64	54	FR
33/34	178.92	181.97	3.05	3.05	100	3.05	2.70	89	FR

AREA: **Minnie Moore**
HOLE: **KRR 08-2**

Collar UTM Easting: **387359**
Northing: **5444040**
Grid Easting:
Northing:

Azimuth: **090**
Dip: **-50**
Depth: **191.11 m**
Elevation: **1124 m**

Started: **26-May-08**
Completed: **29-May-08**
Drilled by: **More Core Drilling**
Logged by: **J. Lucke**
Operator: **Kettle River Resources Ltd.**
Core Size: NQ2

Purpose: **Same section as KRR 08-1, to test zones of qtz stockwork veining at lower elevation**

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Note: All angles listed in log are with respect to core axis.

DOMINANT ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	7.62	Casing														
7.62	39.40	Trbs	Highly calcareous with variable high/low cherty sections of Brooklyn sediments. Very	28063	7.62	9.40	1.78	0.01	0.4	168	<2	76	20	<5	<3	3
			brecciated near surface, becoming less so with bedding becoming more obvious downhole.	28064	BLANK			0.01	<0.1	5	21	77	20	<5	<3	5
			Chert content generally increases with depth. General fine grained green appearance.	28065	9.40	12.40	3.00	0.01	<0.1	61	<2	56	7	<5	<3	3
			Significant fine grained py (up to 5%), especially in upper brecciated region to ~25 m.	28066	12.40	15.40	3.00	0.01	0.1	51	<2	55	11	<5	<3	2
				28067	15.40	18.40	3.00	0.02	0.2	138	<2	57	13	<5	<3	3
			7.62 - 10 m zone of drill-rounded pebbles and cobbles, poor recovery	28068	18.40	21.40	3.00	0.05	0.8	527	<2	72	9	<5	<3	6
				28069	21.40	24.40	3.00	0.03	0.5	348	<2	51	20	<5	<3	7
			10 - 17 m continuation of fragmented ground, then gradually becomining more competent	28070	STD	PM 411		0.99	1.0	33	22	171	2241	118	<3	7
				28071	24.40	27.40	3.00	0.02	0.2	109	<2	47	26	<5	<3	3
			18.6 m in addition to cc filling hairline fracs, additional soft, white mineral - gypsum? barite?	28072	27.40	30.40	3.00	0.02	<0.1	64	<2	49	24	<5	<3	3
			Various other locations also noted.	28073	30.40	33.40	3.00	0.02	0.2	54	<2	65	31	<5	<3	3
				28074	33.40	36.40	3.00	0.03	0.6	22	<2	35	22	<5	<3	<1
			26 m (and vicinity) - occassionally very minor epidote/garnet skarn presence	28075	36.40	39.40	3.00	0.02	<0.1	14	<2	27	17	<5	<3	1
			28.3 m Possible fault - broken ground													
			@ 31 m bedding @ 55 °													
			@ 34.9 m bedding @ 60°													
			@ 38.6 m slickensided py smear													
39.40	102.60	Ei2	Typical dark grey, mod magnetic, medium grained (typical 1-2 mm) fsp-bi-px Ei2 dyke cut by													
			numerous Ei1a and Ei1b dykes, as noted.													
			@ 39.4 m chilled, intrusive contact at 45°													
			50.3 - 51.9 m Ei1a dyke. Pale grey to pink Kspar syenite, ~ 20% white to pink subhedral 2-5 mm													
			fsp in fng gmass. Weakly magnetic. Sharp contact at 51.9 m, at 70°.													
			56.2 - 60.1 m Ei1a dyke. Pink-brown syenite "pulaskite" dyke with chilled contacts against Ei2.													
			64.55 - 71.0 Ei1a dyke. Fine grained, pink-brown. Narrow chilled contact to Ei2, at 71 m, at 45°													
			71.0 - 86.6 m Typical Ei2, generally medium grained with coarser (~ 2-3 mm) grains approx 20 cm													
			both ways from fault at 72.85-72.90 m.													
			77.8 - 78.2 m Minor fault. Broken ground													
			@ 78.6 m single pink 1.5 cm Kspar phenocryst													
			86.6 - 91.72 m Ei1b. Mod magnetic syenite dyke with Kspar phenos to 4 mm, approx 25% mafics.													
			Numerous filled fracts, hairline to 2 mm of cc and possible gypsum. Chilled upper contact against													
			Ei2. Faulted lower contact with 2 cm gouge zone.													

DOMINANT ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			@ 87.4 m Minor fault (LC).													
			@ 91.72 2 cm gougey fault zone at contact between Ei1b and Ei2.													
			91.72 - 92.05 transition zone into mod mag, med grained Ei2 dior													
			Very distinct texture most of section (94 - 102 m +/-) consisting of 20% white 1-2 mm fsp and													
			10% 1 mm mafics in fng grey gmass.													
102.60	111.65	Trbs	Bedded and brecciated Brooklyn seds, gen grey-green. Cherty/calcareous interbedding as well													
			as both materials interstitially. Substantial healed fracturing with many mm-scale microfault													
			offsets. Non-magnetic. Sulfide deficient.													
			@ 104.2 m Fault. Bx zone + gouge (LC)													
			@ 105.5 m bedding @ 50°													
			@ 108.2 m offset reverse microfault, 0.5 cm													
111.65	115.70	Ei2	Back into typical dark grey fsp-px-bi dyke, mod to str magnetic, mafic grains often 1-2 mm in													
			finer matrix.													
115.70	117.70	Ei1?	Grey to brown fine grained intrusive with ~ 20% pink subhedral 1-5 mm fsp, mod magnetic.													
			@ 115.7 m chilled contact against Ei2													
117.70	131.00	Trbs	Grey/green/pink fine grained seds; bedding at 45° (120.5 m), 40° (125.8 m). Scattered													
			repaired brecciation; cherty/calcareous in both matrix and as veins/vnlts. Non magnetic.													
			121.5 m 1 mm cc; 122.55 m 2 mm cc													
				28076	122.20	123.40	1.20	0.03	0.5	231	<2	70	35	<5	<3	23
			122.75 - 122.9 m cc veining in bx, to 1 cm, minor qtz	28077	123.40	124.60	1.20	0.04	0.2	14	<2	84	20	<5	<3	7
				28078	124.60	125.60	1.00	0.02	1.0	34	<2	101	52	<5	<3	24
			124.85 - 125.20 m Narrow quartz stockwork zone, sulfides absent to scarse.	28079	125.60	126.60	1.00	0.01	0.2	193	<2	82	40	<5	<3	10
				28080	BLANK			0.01	<0.1	4	12	70	6	<5	<3	4
			125.4 m (+ vicinity) cc veining, to 0.5 cm	28081	126.60	127.60	1.00	0.03	3.9	82	<2	117	102	<5	<3	4
			128 - 131.0 m continuation of Brooklyn seds, but greater bx'n (repaired) as well as some garnet													
			skarn alteration. V minor py. Non mag.													
			@ 128.1 m bedding and 2 mm cc, at 45°													
131.00	149.05	Trbl(bx)	Predominantly clastic limestone breccia (LC - mosaic bx), typically 1-8 cm. Minor zones with													
			some garnet skarn.													
			134.3 - 134.5 m Fault													
			135.5 - 135.7 m Fault, with at least 2 white minerals, cc and possibly gypsum (selenite habit)													
			143.8 m Fault													
			144.3 - 144.4 m cc, including 5 cm vein at 55°													
149.05	158.30	Ei1a	Typical pink-brown Kspar megacrystic syenite, weakly mag.													
			149.05 m sharp faulted contact at 45°, with slickensided chlorite and a 1 cm py bleb.													

DOMINANT ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			158.3 m - bx'd faulted contact Ei1a-1b, cc rich													
158.30	176.55	Ei1b	Pink-brown fsp-bi-px syenite, ~ 20% 1-4 mm anhedral to subhedral Ca and Kspar, ~ 10% 1-3 mm													
			mafics. Matrix is fng, Kspar rich. Magnetic. Occassional 1 mm cc vnlts, 30-50°. Very competent.													
			176.55 faulted contact to Trbl(bx) below													
176.55	184.10	Trbl(bx)	Large clasts of bx, recemented lst (LC - primary bx texture, not tectonic or hydrothermal)	28082	176.30	178.30	2.00	0.01	<0.1	5	3	28	9	<5	<3	2
				28083	178.30	180.30	2.00	0.05	217.0	130	172	90	71	<5	<3	3
			176.55 - 176.9 Fault. Broken ground, minor py.	28084	180.30	182.30	2.00	0.02	1.1	40	<2	56	45	<5	<3	4
				28085	182.30	184.30	2.00	0.01	0.2	32	<2	28	15	<5	<3	3
			176 - 182 m intermittent py as blebs and on frac surfaces.													
			178.8 - 178.95 m py blebs to 0.5 cm													
			179.8 - 179.9 Fault. Slickensided cc and py on frac surface.													
			182.05 - 182.55 "jelly bean" congomerate unit (Trbl (jb)). Typically coarse first 5 cm, then reduced													
			size to almost a coarse sst.													
			182.92 - 183.07 m classic jb conglomerate unit													
			183.5 m bedding at 45°													
			183.6 - 184.0 m lst clasts up to 10 cm, in skarny mtrx (LC calc siltst infilling around													
			lst bx frags is skarn alt'd)													
184.10	191.11	Trbs	Fairly low grade garnet-ep skarn altered calc siltstone, with minor Trbl(bx) interbeds. Up to 5% py	28086	184.30	186.30	2.00	0.01	0.1	15	<2	53	15	<5	<3	2
		weak skarn	scattered throughout as blebs, fracture filling and dissem.	28087	186.30	188.30	2.00	0.01	0.3	46	<2	59	33	<5	<3	6
		minor Trbl(bx)		28088	188.30	190.30	2.00	0.01	0.3	41	6	85	10	<5	<3	2
			183.4 m red hematite smear on frac surface	28089	190.30	190.60	0.30	0.01	2.0	58	137	104	33	<5	<3	2
				28090	STD	PM 411		0.99	1.0	33	23	172	2278	122	<3	7
			189.2 - 189.35 m fault brecciated, cc zone	28091	190.60	191.11	0.51	0.01	0.4	35	98	360	17	<5	<3	2
			190.3 - 190.6 m 5-10% py													
			190.7 - 191.11 badly broken ground													
191.11	EOH															

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	7.62	8.23	0.30	0.61	49	0.61	0.00	0	
1	8.23	11.28	1.25	3.05	41	3.05	0.00	0	
1	11.28	14.33	2.25	3.05	74	3.05	0.00	0	
1/2	14.33	17.37	2.45	3.04	81	3.04	0.43	14	
2	17.37	20.42	3.00	3.05	98	3.05	1.29	42	
2/3	20.42	23.47	3.05	3.05	100	3.05	1.88	62	
3/4	23.47	26.52	3.05	3.05	100	3.05	1.49	49	
4	26.52	29.57	3.05	3.05	100	3.05	0.82	27	
4/5	29.57	32.61	3.04	3.04	100	3.04	1.18	39	
5	32.61	35.66	3.05	3.05	100	3.05	1.80	59	
5/6	35.66	38.71	3.05	3.05	100	3.05	1.50	49	
6	38.71	41.76	3.00	3.05	98	3.05	1.02	33	
6/7	41.76	44.81	3.05	3.05	100	3.05	1.75	57	
7/8	44.81	47.85	3.04	3.04	100	3.04	1.47	48	
8	47.85	50.90	3.05	3.05	100	3.05	2.13	70	
8/9	50.90	53.95	3.05	3.05	100	3.05	2.02	66	
9	53.95	57.00	3.05	3.05	100	3.05	2.26	74	
9/10	57.00	60.05	3.05	3.05	100	3.05	2.24	73	
10/11	60.05	63.09	3.00	3.04	99	3.04	0.84	28	
11	63.09	66.14	3.05	3.05	100	3.05	2.09	69	
11/12	66.14	69.19	3.05	3.05	100	3.05	2.82	92	
12	69.19	72.24	3.05	3.05	100	3.05	2.47	81	
12/13	72.24	75.29	3.05	3.05	100	3.05	2.16	71	
13	75.29	78.33	3.00	3.04	99	3.04	1.81	60	
13/14	78.33	81.38	3.05	3.05	100	3.05	1.23	40	
14	81.38	84.43	3.05	3.05	100	3.05	2.03	67	
14/15	84.43	87.48	3.05	3.05	100	3.05	1.03	34	
15/16	87.48	90.53	3.05	3.05	100	3.05	1.20	39	
16	90.53	93.57	3.04	3.04	100	3.04	2.61	86	
16/17	93.57	96.62	3.05	3.05	100	3.05	2.70	89	
17	96.62	99.67	3.05	3.05	100	3.05	2.63	86	
17/18	99.67	102.72	3.05	3.05	100	3.05	2.63	86	
18	102.72	105.77	3.05	3.05	100	3.05	2.21	72	
18/19	105.77	108.81	3.04	3.04	100	3.04	1.89	62	
19/20	108.81	111.86	3.05	3.05	100	3.05	2.27	74	
20	111.86	114.91	3.05	3.05	100	3.05	2.26	74	
20/21	114.91	117.96	3.05	3.05	100	3.05	1.96	64	
21	117.96	121.01	3.05	3.05	100	3.05	2.17	71	
21/22	121.01	124.05	3.04	3.04	100	3.04	2.05	67	
22	124.05	127.10	3.05	3.05	100	3.05	1.95	64	
22/23	127.10	130.15	3.05	3.05	100	3.05	1.51	50	
23/24	130.15	133.20	3.05	3.05	100	3.05	2.81	92	
24	133.20	136.25	3.05	3.05	100	3.05	2.17	71	
24/25	136.25	139.29	3.04	3.04	100	3.04	2.40	79	
25	139.29	142.34	3.05	3.05	100	3.05	2.49	82	
25/26	142.34	145.39	3.05	3.05	100	3.05	2.42	79	
26	145.39	148.44	3.05	3.05	100	3.05	2.74	90	
26/27	148.44	151.49	3.05	3.05	100	3.05	2.94	96	
27/28	151.49	154.53	3.04	3.04	100	3.04	2.30	76	
28/29	154.53	157.58	3.05	3.05	100	3.05	1.97	65	
29	157.58	160.63	3.05	3.05	100	3.05	2.65	87	
29/30	160.63	163.68	3.05	3.05	100	3.05	2.72	89	
30	163.68	166.73	3.05	3.05	100	3.05	2.90	95	
30/31	166.73	169.77	3.04	3.04	100	3.04	2.80	92	
31	169.77	172.82	3.05	3.05	100	3.05	2.73	90	
31/32	172.82	175.87	3.05	3.05	100	3.05	2.61	86	
32/33	175.87	178.92	3.00	3.05	98	3.05	2.05	67	
33	178.92	181.97	3.05	3.05	100	3.05	1.76	58	
33/34	181.97	185.01	3.04	3.04	100	3.04	1.68	55	
34	185.01	188.06	3.05	3.05	100	3.05	1.85	61	
33/34	188.06	191.11	2.90	3.05	95	3.05	1.40	46	

AREA: **Minnie Moore**
HOLE: **KRR 08-3**

Collar UTM Easting: 387378
Northing: 5444000
Grid Easting:
Northing:
Purpose: Attempt to intersect vein seen in hole 08-1, on strike to S, beneath sill

Azimuth: 090
Dip: -50
Depth: 197.21 m
Elevation: 1130 m

Started: 29-May-08
Completed: 30-May-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Note: All angles listed in log are with respect to core axis.

DOMINANT ROCK TYPE				SAMPLE												
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
0.00	3.05	Casing														
3.05	32.90	Trbs	Pale grey/green/pink limey/cherty siltstone, well bedded with repaired breccia in places.	28092	BLANK			0.01	<0.1	3	17	76	13	<5	<3	6
			Bedding predominates over breccia in upper part of hole, becoming increasingly brecciated	28093	3.05	5.90	2.85	0.02	<0.1	38	3	159	1345	<5	<3	18
			downhole. Badly broken and poor recovery to ~ 8 m with limonitic alteration on fracture	28094	5.90	8.90	3.00	0.01	<0.1	73	<2	303	174	<5	<3	29
			surfaces. Scattered mm-scale offset microfaults. Finely disseminated py, 1-2% in various	28095	8.90	11.90	3.00	0.01	<0.1	62	<2	190	154	<5	<3	14
			locations. Essentially non-magnetic.	28096	11.90	14.90	3.00	0.01	<0.1	74	<2	133	152	<5	<3	26
				28097	14.90	17.90	3.00	0.01	<0.1	64	<2	203	104	<5	<3	14
			@ 8.3m, 11.4 m, 13.4 m, 15.2 m: bedding @ 40-45°	28098	17.90	20.90	3.00	0.02	<0.1	88	<2	88	188	<5	<3	13
				28099	20.90	23.90	3.00	0.02	<0.1	72	<2	81	46	<5	<3	11
			13.0 m limestone clast to 7 cm in breccia	28100	STD	PM 411		0.98	0.5	33	22	170	2227	133	<3	7
				28101	23.90	26.90	3.00	0.01	<0.1	51	<2	133	94	<5	<3	21
			16.5 m narrow broken fault zone, with limonite alteration	28102	26.90	29.90	3.00	0.02	<0.1	62	<2	256	151	<5	<3	14
				28103	29.90	32.90	3.00	0.01	<0.1	61	<2	299	77	<5	<3	16
			18.2 m narrow broken fault zone with markedly orange limonite and with very fine grained													
			dissem py													
			25.3 m + frequent 10 cm breccia zones with many cc veinlets, often parallel to bedding angles													
			but sometimes randomly oriented as well													
			21.2 m bedding ~ 50°													
			26.7, 29.9 m bedding ~ 55°													
32.90	33.45	Ei2	Dark grey fsp-bi-px intrusive, mafic minerals typically 1-2 mm, fine grained matrix, mod magnetic.													
			Strongly faulted upper contact with Trbs, at 32.90 m.													
33.45	34.47	Trbs	Brecciated limey siltstone. Non magnetic.													
			33.45 - 33.80 Fault, badly broken, gougey.													
34.47	88.16	Ei2	Dark grey magnetic dyke, fsp/bi/px. Cut by numerous Ei1a dykes and several fault zones													
			and argillic altered zones (adjacent to faults) as noted. Common hairline - mm/cm scale cc vns.													
			@ 34.47 m Upper contact of Ei2 sill is chilled intrusive contact with ~ 10 cm chill zone.													
			36.40 - 36.60 broken ground													
			37.51 - 40.63 Ei1a. Typical pink/brown Kspar syenite, 2-5 mm fsp in fine grained gmass, mod mag.													
			Upper and lower contacts are intrusive. Upper contact at 37.51 is chilled contact (light grey chill													
			zone continues to ~ 38 m). Lower contact at 40.63 is sharp contact at 70°.													
			48.20 - 52.37 Ei1a. Brown-orange syenite dyke. Low to mod mag. Sharp irregular intrusive													
			contacts with Ei2 above and below. Upper contact has pale grey chill zone. Lower contact													
			is at 50°.													

DOMINANT ROCK TYPE From (m)	To (m)	Lithology	DESCRIPTION	SAMPLE Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			54.17 - 54.83 Ei1a, with intrusive contacts at 50° (upper) and 70° (lower)													
			57.1 - 57.6 Fault zone at 35°. Broken core, gougey.													
			61.26 - 65.27 Ei1a. Very pale grey Kspar syenite, weakly magnetic. Chilled intrusive lower contact													
			at 30°.													
			63.5 - 63.8 m Fault zone. Significant gouge													
			66.31 - 71.75 Pale grey, perv argillic altered fsp rich Ei. Mod carbonate, in matrix + vnlts.													
			72.80 - 73.65 Pale grey, pervasive argillic altered Ei intrusive, as in 66.35 - 71.75 m. Mod mag.													
			73.4 - 73.5 m cc veining to 2 cm													
			73.5 - 73.6 m Fault zone. Gouge.													
			@ 88.16 m lower contact is sharp contact at 45° (not faulted)													
88.16	103.00	Trbl(bx)	Dominantly grey limestone (mosaic) breccia, with Ls clasts to 4-6 cm. Non mag.													
		+ Trbs	Carb content is variable - cherty in spots. Minor py.													
			90.27 - 92.40 Typical Ei2, as above. Mod to str mag. Sharp intrusive contacts at 45°.													
			93.28 - 95.60 Ei1a. Typical pink-brown Kspar syenite dyke, with 2-4 mm pink Kspar in fine grained gmass.													
			Slightly magnetic. Contacts are irregular, chilled intrusive contacts (upper at 40°).													
			98.90 - 103.00 minor fine grained dissem py													
103.00	124.61	Ei1b	Mod to highly magnetic orange/brown medium grained syenite. Intermittent fully repaired													
			fracture/bx zones (I.e. 116.7 - 116.8 m) with dark non-calc minerals. Overall ~ 80% pink Kspar,													
			10% plag, 10% mafics.													
			103 - 106.32 Ei1b? Up to 5% sub-euhedral elongated (typically 1 x 5 mm) pink Kspar in mg pink/brown													
			syenite. Low to mod mag.													
			106.32 - 112.30 Ei2. Dark grey, mod to str mag. Intrusive contacts, upper ~ 35°, lower ~ 30°													
			118.35 1.5 cm qtz/cc vein at 50°													
			118.4 - 118.8 Fault zone. Highly fractured, gougey.													
124.61	152.05	Trbs	Strong skarn zone. Variably pale-dark grey/green/pink skarn altered fine grained sed	28104	124.61	126.59	1.98	0.43	<0.1	138	22	160	15	<5	<3	5
		(+Trbl(bx))	intermittent zones of brecciation. Generally quite skarny with significant garnet and epidote. High	28105	126.59	129.57	2.98	0.01	0.2	215	34	919	24	<5	<3	4
			cc content as random hairline to 5 mm veinlets, as well as interstitial. Sporadic py blebs with possible	28106	129.57	130.55	0.98	0.01	<0.1	176	112	397	11	<5	<3	1
		Strong	minor cpy mixed in. Minor fracture zones with cc (131.2 - 131.3, 131.9-132.1, 133.7-133.8).	28107	130.55	132.53	1.98	0.01	<0.1	68	33	166	12	<5	<3	1
		Skarn Zone		28108	132.53	134.51	1.98	0.01	<0.1	15	<2	77	7	<5	<3	2
			143.7 - 146.8 m Fault Zone. Chloritic gouge at 143.7, 144.6, 146.0. Broken ground 145.8-146.8	28109	134.51	136.49	1.98	<0.01	<0.1	23	<2	69	18	<5	<3	2
				28110	BLANK			0.01	<0.1	4	25	80	19	<5	<3	6
			150.35 - 152.05 Strong fault zone + altered Ei1? dyke. (LC)	28111	136.49	138.47	1.98	<0.01	<0.1	11	<2	61	13	<5	<3	89
			Badly broken pale grey intrusive, mod to str mag, cc veining at 50°.	28112	138.47	140.45	1.98	<0.01	<0.1	10	2	93	10	<5	<3	36
				28113	140.45	142.43	1.98	<0.01	0.2	35	7	186	10	<5	<3	5
152.05	174.93	Trbs/	Weak skarn alt'd Trbs and Trbbx. Dark green calcareous sediments with sections of garnet/epidote	28114	142.43	144.41	1.98	0.01	0.7	111	51	209	8	<5	<3	2
		Trbbx/	skarn, skarny breccia and limestone bx. Significant py content in some locations, and up to 5% locally,	28115	144.41	146.39	1.98	0.01	0.4	96	31	135	28	<5	<3	2
		Trbl(bx)	especially 154.0 - 155.3 m and 158.8 - 159.7 m. Some larger py blebs (2 cm+) demonstrate red	28116	146.39	148.37	1.98	0.01	0.5	44	451	885	5	<5	<3	2

DOMINANT ROCK TYPE				SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			hematite halos.	28117	148.37	150.35	1.98	0.01	1.2	52	1048	1942	16	<5	<3	2
		Weak	152.05 - 165.40 mainly brecciated, repaired garnet epidote skarn													
		Skarn Zone	165.40 - 170.90 predominantly ls breccia, clasts typically 1-5 cm, intermittent skarn persists	28118	152.05	153.93	1.88	0.02	0.7	117	148	337	30	<5	<3	3
			169.2 - 169.7 Zone of badly broken ground (fault?), high in cc as veins and bladed xtals	28119	153.93	155.82	1.89	0.01	1.7	142	317	242	43	<5	<3	3
			169.7 - 170.0 solid skarn breccia, red hematite alt'n prevalent, 5% py dispersed on fracs	28120	STD	PM 411		0.99	1.0	33	22	171	2269	127	<3	7
			170.0 - 170.4 broken ground with bladed cc xtals	28121	155.82	157.70	1.88	0.02	0.8	111	53	239	61	<5	<3	3
			@ 170.90 contact at 45°	28122	157.70	159.59	1.89	0.01	0.4	74	3	81	31	<5	<3	2
				28123	159.59	161.47	1.88	0.01	0.2	48	5	50	48	<5	<3	3
			170.90 - 171.31 Ei dyke, brown-orange syenite.	28124	161.47	163.36	1.89	0.02	<0.1	39	<2	58	65	<5	<3	3
				28125	163.36	165.24	1.88	0.01	<0.1	58	<2	57	49	<5	<3	3
			171.31 - 174.93 Non mag, bedded skarny lst bx, pale grey to dark green.	28126	165.24	167.13	1.89	0.02	<0.1	50	<2	82	38	<5	<3	2
			@ 172.65 bedding at 50°	28127	167.13	169.01	1.88	0.01	0.1	47	<2	66	22	<5	<3	2
			@ 174.93 contact at 25°	28128	169.01	170.90	1.89	0.02	<0.1	125	5	67	71	<5	<3	2
174.93	180.65	Ei1a?	Slightly magnetic, light grey to pinkish brown, megacrystic (10% 1-4 mm Kspar in fg gmass)	28129	171.31	173.12	1.81	0.01	<0.1	21	<2	53	17	<5	<3	3
			syenite. Possibly intermingled with minor Ei1b.	28130	BLANK			0.01	<0.1	2	7	69	<5	<5	<3	5
				28131	173.12	174.93	1.81	0.01	0.2	39	11	90	29	<5	<3	4
			Upper contact is intrusive contact at 25°													
			177 - 177.1 breccia mixture of grey and orange frags in cc, with sharp contact at 70° to grey syenite													
			177.4 sharp contact at 40° from orange to grey material													
180.65	189.79	Ei1b	Mod to str mag, orange-brown fsp-bi-px med grained sy, with 80% Kspar. Upper contact is intrusive													
			at 45°. Lower contact, at 60°, is gougy, chloritic faulted contact.													
189.79	197.21	Trbs	Mixture of silty sediments, limestone and ep skarn, all brecciated and repaired. Colour varies from	28132	189.79	191.64	1.85	0.03	4.8	892	204	1225	144	<5	<3	3
		(+Trbl(bx))	dark grey to green. Calcite veining in random directions. Significant py throughout.	28133	191.64	193.50	1.86	0.02	2.9	562	160	495	24	<5	<3	3
				28134	193.50	195.35	1.85	0.01	0.2	27	14	143	35	<5	<3	3
		Mod	190.8 - 192.0 5-10% py, diss and blebs	28135	195.35	197.21	1.86	0.01	<0.1	47	6	136	69	<5	<3	3
		Epidote														
		Skarn	192.5 cpy in 5 cm zone of ep-cc-py													
			194 m + py extremely fine grained and diminishing to near zero by EOH													
			195.2 slickensides on fracture at 45°													
			196.1 - 196.2 Fault. Broken ground													
197.21	EOH															

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	3.05	5.18	0.60	2.13	28	2.13	0.00	0	SW
1	5.18	8.23	1.70	3.05	56	3.05	0.45	15	SW
1/2	8.23	11.28	3.00	3.05	98	3.05	0.90	30	SW
2	11.28	14.33	3.00	3.05	98	3.05	1.55	51	SW
2/3	14.33	17.37	3.04	3.04	100	3.04	1.02	34	SW
3/4	17.37	20.42	3.05	3.05	100	3.05	0.61	20	SW
4	20.42	23.47	3.05	3.05	100	3.05	0.76	25	FR
4/5	23.47	26.52	3.05	3.05	100	3.05	1.72	56	FR
5	26.52	29.57	3.05	3.05	100	3.05	1.43	47	FR
5/6	29.57	32.61	3.04	3.04	100	3.04	1.35	44	FR
6/7	32.61	35.66	2.90	3.05	95	3.05	0.86	28	FR
7	35.66	38.71	3.00	3.05	98	3.05	0.62	20	FR
7/8	38.71	41.76	3.05	3.05	100	3.05	1.66	54	FR
8	41.76	44.81	3.05	3.05	100	3.05	1.37	45	FR
8/9	44.81	47.85	3.04	3.04	100	3.04	2.31	76	FR
9/10	47.85	50.90	3.05	3.05	100	3.05	2.74	90	FR
10	50.90	53.95	3.05	3.05	100	3.05	1.76	58	FR
10/11	53.95	57.00	3.05	3.05	100	3.05	2.21	72	FR
11	57.00	60.05	3.05	3.05	100	3.05	1.74	57	FR
11/12	60.05	63.09	3.04	3.04	100	3.04	1.93	63	FR
12	63.09	66.14	3.05	3.05	100	3.05	1.73	57	FR
12/13	66.14	69.19	3.05	3.05	100	3.05	1.30	43	FR
13/14	69.19	72.24	3.05	3.05	100	3.05	1.13	37	FR
14	72.24	75.29	3.00	3.05	98	3.05	2.45	80	FR
14/15	75.29	78.33	3.04	3.04	100	3.04	2.48	82	FR
15	78.33	81.38	3.05	3.05	100	3.05	1.82	60	FR
15/16	81.38	84.43	3.05	3.05	100	3.05	1.66	54	FR
16	84.43	87.48	3.05	3.05	100	3.05	2.36	77	FR
16/17	87.48	90.53	3.05	3.05	100	3.05	2.30	75	FR
17/18	90.53	93.57	3.04	3.04	100	3.04	2.26	74	FR
18	93.57	96.62	3.05	3.05	100	3.05	2.67	88	FR
18/19	96.62	99.67	3.05	3.05	100	3.05	2.60	85	FR
19	99.67	102.72	3.05	3.05	100	3.05	2.39	78	FR
19/20	102.72	105.77	3.05	3.05	100	3.05	1.50	49	FR
20	105.77	108.81	3.04	3.04	100	3.04	2.04	67	FR
20/21	108.81	111.86	3.05	3.05	100	3.05	2.38	78	FR
21	111.86	114.91	3.05	3.05	100	3.05	2.53	83	FR
21/22	114.91	117.96	3.05	3.05	100	3.05	2.51	82	FR
22/23	117.96	121.01	3.00	3.05	98	3.05	1.91	63	FR
23	121.01	124.05	3.04	3.04	100	3.04	2.05	67	FR
23/24	124.05	127.10	3.05	3.05	100	3.05	2.13	70	FR
24	127.10	130.15	3.05	3.05	100	3.05	1.80	59	FR
24/25	130.15	133.20	3.05	3.05	100	3.05	1.56	51	FR
25	133.20	136.25	3.05	3.05	100	3.05	1.75	57	FR
25/26	136.25	139.29	3.04	3.04	100	3.04	2.05	67	FR
26/27	139.29	142.34	3.05	3.05	100	3.05	2.49	82	FR
27	142.34	145.39	3.05	3.05	100	3.05	2.00	66	FR
27/28	145.39	148.44	3.05	3.05	100	3.05	2.39	78	FR
28	148.44	151.49	3.00	3.05	98	3.05	1.52	50	FR
28/29	151.49	154.53	3.04	3.04	100	3.04	1.49	49	FR
29/30	154.53	157.58	3.05	3.05	100	3.05	2.26	74	FR
30	157.58	160.63	3.05	3.05	100	3.05	1.90	62	FR
30/31	160.63	163.68	3.05	3.05	100	3.05	2.68	88	FR
31	163.68	166.73	3.05	3.05	100	3.05	2.35	77	FR
31/32	166.73	169.77	2.99	3.04	98	3.04	2.22	73	FR
32/33	169.77	172.82	3.05	3.05	100	3.05	1.71	56	FR
33	172.82	175.87	3.05	3.05	100	3.05	2.84	93	FR
33/34	175.87	178.92	3.05	3.05	100	3.05	2.83	93	FR
34	178.92	181.97	3.05	3.05	100	3.05	2.11	69	FR
34/35	181.97	185.01	3.04	3.04	100	3.04	2.15	71	FR
35	185.01	188.06	3.05	3.05	100	3.05	2.37	78	FR
35/36	188.06	191.11	3.00	3.05	98	3.05	1.88	62	FR
36	191.11	194.16	3.05	3.05	100	3.05	2.56	84	FR
36/37	194.16	197.21	3.05	3.05	100	3.05	2.08	68	FR

AREA: Minnie Moore
HOLE: KRR 08-4

Collar UTM Easting: 387435
Northing: 5443950
Grid Easting:
Northing:
Purpose: West directed hole, south of hole 08-3, to test for possible N trending mineralized structure in "creek" area W of road

Azimuth: 270.00
Dip: -45.00
Depth: 279.5 m
Elevation: 1139 m

Started: 2-Jun-08
Completed: 5-Jun-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)
Note: All angles listed in log are with respect to core axis.

DOMINANT ROCK TYPE				SAMPLE												
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
0.00	3.05	Casing														
				28136	BLANK			0.02	3.0	16	1269	74	<5	<5	<3	8
3.05	7.01	Trbs	Mottled green altered brecciated siliceous/calcareous sediments. Oxidized zone with limonite	28137	3.05	5.03	1.98	<0.01	13.4	50	7111	100	<5	<5	<3	7
			on fractures to ~ 7.2m. Calcite filled fracs in various directions. Minor py, spec hem. Non mag.	28138	5.03	7.01	1.98	0.01	1.4	155	456	922	<5	<5	<3	5
7.01	9.90	Ei1a	Pink/brown megacrystic Kspar syenite, grading to light grey after 9.2 m, ~ 25% 1-3 mm Kspar in													
			fng matrix. Overall Kspar:plag:mafics ~ 70:15:15. Slightly magnetic. (JL = Ei1b, LC = Ei1a)													
9.90	22.33	Trbs	Green/grey/pink mottled fine grained sediments, highly brecciated and repaired calcareously.	28139	9.90	13.01	3.11	0.01	1.7	65	851	176	<5	<5	<3	6
			Intermittent zones of epidote-garnet skarn. Minor py. Non mag.	28140	STD	PM 411		0.99	0.8	36	39	181	2406	333	<3	10
				28141	13.01	16.12	3.11	0.02	<0.1	25	24	102	<5	<5	<3	6
			10.3 - 10.5 m Quartz veining, 1- 2 cm	28142	16.12	19.23	3.11	0.01	<0.1	42	15	72	<5	<5	<3	7
				28143	19.23	22.33	3.10	0.01	0.2	103	17	127	36	<5	<3	10
			10.7 m possible gypsum/anhydrite with cc in 2 mm fract at 45°													
			14.2 - 14.7 m cc stockwork in brecciated skarny zone													
			Occassional secondary hematite, noteably at 17.2 - 17.6 m and 18.3 - 19.0 m, but other lesser													
			locations also.													
			18.0 m Quartz veining, 1 cm													
			19.4 - 20.3 m Badly broken with substantial chlorite alteration, high cc													
			22.0 m euhedral py cubes to 1 mm on fracture surface													
22.33	46.30	Trbl(bx)	Typical mosaic limestone breccia with clasts typically 1-5 cm, but up to 10 cm. Intermittent	28144	22.33	23.00	0.67	<0.01	<0.1	47	10	36	6	<5	<3	14
			zones of < 1 cm frags. Minor py to ~ 23 m.													
			23.08 m micro horst/graben displacement (4 mm) 2 cm high x 3 cm wide													
			@ 28 m is small silic'd zone (grey cherty patches)													
			29.57 - 29.75 high cc with veins to 2 cm													
			31.30 - 31.4 narrow band of jb conglomerate (Trbl (jb))	28147	33.88	34.38	0.50	0.01	<0.1	16	8	43	<5	<5	<3	16
				28145	34.38	34.60	0.22	<0.01	<0.1	25	9	27	<5	<5	<3	13
			33.00 - 33.30 high cc with veins to 1 cm, bladed xtals	28148	34.60	35.10	0.50	<0.01	<0.1	6	7	25	<5	<5	<3	7
				28146	46.30	47.80	1.50	<0.01	<0.1	125	16	67	<5	<5	<3	9
			34.38 - 34.60 fractures with 1-3% py in broken ground													
46.30	47.80	Trbs	Green fine grained altered sediments, some chlorite. Weak garnet-epidote-py skarn.													
47.80	106.26	Ei2	Dark grey medium grained fsp/bi/px intrusive. Mod to highly magnetic. Cut by numerous													
			Ei1a and Ei1b dykes, as noted below. Numerous cc and gypsum filled fracs.													

DOMINANT ROCK TYPE				SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			47.80 - 50.0 Fault Zone, faulted upper contact to Ei2. No angle observed.													
			52.62 - 53.75 m Ei1a dyke. Grey megacrystic syenite dyke. Intrusive contacts, upper at 45°													
			54.0 - 55.0 m Fault zone. fractures/microfaults at 20-30°, gougey at 55.5 m.													
			59.83 - 63.09 m Ei1a dyke, with chilled intrusive contacts against Ei2. Upper at 40°, lower at 45°.													
			Cut by Ei1b dyke from 61.83 - 62.68 m, with chilled contacts of Ei1b against Ei1a.													
			61.83 - 62.68 m Ei1b dyke. Brown/orange medium grained fsp/bi/px intrusive, mod mag,													
			with chilled intrusive contacts, lower at 45°.													
			73.05 - 75.95 m Ei1a dyke, orange-brown syenite porphyry with 20% 2-6 mm Kspar phenos in													
			fng mainly Kspar gmass. Intrusive upper contact at 60°. Faulted lower contact with much													
			gouge.													
			75.95 - 84.72 Strong Fault zone with frequent gouge zones, broken core and clay filled fracs													
			75.95 - 76.50 much gouge													
			77.30 - 77.62 m 5 cm fault gouge													
			77.62 - 81.38 m Ei1b? dyke. Syenite, medium grained, megacrystic, slight to mod magnetic.													
			87.47 - 88.38 m Fault Zone with frequent gouge filled fractures													
			93.56 - 96.91 m Fault Zone with frequent gouge filled fractures.													
			90.0 - 97.0 m Ei2 becomes coarser grained, typcially 1 - 4 mm.													
			104.4 - 104.9 cc/gypsum filled fracs													
			104.95 - 105.73 Strong pervasive argillic alteration adjacent to fault zone at 105.73 m (LC)													
			105.60 - 105.73 m cc vein/pocket	28149	105.10	105.60	0.50	<0.01	<0.1	43	34	99	<5	<5	<3	9
				28150	BLANK			<0.01	<0.1	7	27	78	<5	<5	<3	6
			105.73 - 106.26 m Fault Zone with badly broken/gougey ground, calcareous.	28151	105.60	106.26	0.66	<0.01	<0.1	26	18	48	<5	<5	<3	8
				28152	106.26	107.05	0.79	0.10	<0.1	10	15	103	<5	<5	<3	7
106.26	108.64	Trbs	Mottled grey to green to blotches of pink, fine grained, brecciated, altered sediments. Well	28153	107.05	107.84	0.79	<0.01	<0.1	8	15	195	<5	<5	<3	8
			established breccia pattern, often with clasts 1cm +/-.	28154	107.84	108.64	0.80	0.01	<0.1	6	21	221	<5	<5	<3	7
			106.5 - 107.0 m hematite alteration prevalent													
108.64	111.85	Ei1b	Medium to coarse grained dark purple/pink intrusive, 10% dark grey plag + mafics to 4 mm in													
			predom fng pink Kspar gmass. Hairline to 1-2 mm hnbld vic of 111.5 m. Mod mag, 1-2%													
			diss py. Upper contact is sharp intrusive contact.													
111.85	113.53	Ei2	Dark grey fsp/bi/px intrusive													
113.53	119.24	Ei1b	Pink/orange Kspar megacrystic intrusive with ~5% 5-15 mm elongated euhedral pink Kspar													
			in fine grained gmass. Kspar-plag-mafics ~ 65:25:10. Minor py. Lower contact is sharp chilled													
			intrusive contact.													
119.24	132.65	Ei1a	Grey-pink fine Kspar megacrystic syenite, 10-20% subhedral Kspar, 2-5 mm, in fine grained matrix.													
			127.0 - 131.0 m Pale grey bleached, with pervasive clay alteration and with minor epithermal qtz	28155	127.10	129.10	2.00	0.01	<0.1	21	39	81	<5	<5	<3	7
			veinlets at 30°	28156	129.10	131.10	2.00	0.02	<0.1	20	26	82	<5	<5	<3	6
			@ 132.65 m sharp chilled intrusive lower dyke contact at 35°	28157	131.10	133.10	2.00	0.01	<0.1	21	25	81	<5	<5	<3	6
				28158	133.10	135.10	2.00	<0.01	<0.1	31	20	124	<5	<5	<3	7

DOMINANT ROCK TYPE				SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
132.65	150.10	Trbs	Fine grained chert pebble conglomerate to coarse sst, but textures indistinct due to possible	28159	135.10	137.10	2.00	0.01	<0.1	27	15	65	<5	<5	<3	5
		sst/congl	pervasive silica. Variable grain size from very fine grained to medium grained. Mainly	28160	STD	PM 411		0.99	0.8	36	33	176	2453	341	<3	10
			non calcareous. Dark green to maroon coloured, very hard, massive competent unit, mm sized	28161	137.10	139.10	2.00	0.01	<0.1	34	11	48	<5	<5	<3	5
			rounded grains, mainly chert, in pale pink/brown "felted" looking altered material. 1-3% dissem	28162	139.10	141.10	2.00	0.01	<0.1	34	11	51	<5	<5	<3	6
			py. Small swarms of hairline cc filled stress fracs many places at 50-60°. Particularly	28163	141.10	143.10	2.00	0.01	<0.1	37	10	37	<5	<5	<3	5
			pebbly (0.5 cm typical) from ~ 145-150 m. Locally see mm-scale qtz veinlets cutting chert grains.	28164	143.10	145.10	2.00	0.01	<0.1	35	8	43	<5	<5	<3	7
				28165	145.10	147.10	2.00	0.01	<0.1	35	8	41	<5	<5	<3	8
150.10	154.45	Trbs	Aphanitic, mottled grey/green/purple sediments (hornfels?). Seems to be continuation of previous	28166	147.10	149.10	2.00	0.01	<0.1	34	7	48	<5	<5	<3	8
			section but has become very fine grained and silica rich. Extremely fragmented, 1-3% py, non-mag.	28167	149.10	151.10	2.00	0.01	0.1	35	11	43	<5	<5	<3	8
			Core is very broken, possibly faulted.	28168	151.10	153.10	2.00	0.01	0.1	35	12	43	<5	<5	<3	8
			153.95 - 154.45 apparent hornfelsed contact zone? ~ 80% qtz, 10% py	28169	153.10	155.10	2.00	0.01	<0.1	5	19	77	<5	<5	<3	8
				28170	BLANK			0.01	<0.1	32	8	43	<5	<5	<3	8
154.45	163.04	Trmd (?)	**Medium grey pervasively silic'd fsp porphyrytic intrusive with 5% diss py (LC)**	28171	155.10	157.10	2.00	0.01	<0.1	30	12	32	<5	<5	<3	9
			Minor cc stringers.	28172	157.10	159.10	2.00	<0.01	<0.1	27	10	40	<5	<5	<3	11
			161.05 - 161.10 m Narrow Ei1 dyke	28173	159.10	161.10	2.00	0.01	<0.1	64	6	45	<5	<5	<3	12
				28174	161.10	163.10	2.00	0.01	<0.1	44	9	41	<5	<5	<3	8
163.04	170.06	Trbs	Weak ep skarn alt'd, mottled, pyritic Trbs (LC)	28175	163.10	165.10	2.00	<0.01	<0.1	87	5	64	<5	<5	<3	10
			164.0 - 166.0 chlorite alteration	28176	165.10	167.10	2.00	0.01	0.2	158	10	69	<5	<5	<3	15
			166.0 - 166.3 broken material, coarse py faces on frac surfaces	28177	167.10	169.10	2.00	0.01	0.3	191	10	70	<5	<5	<3	13
				28178	169.10	171.10	2.00	<0.01	0.1	75	9	58	<5	<5	<3	8
170.06	237.98	Trmd (?)	Darker grey fsp porph intrusive as above, but not silic'd or pyritic.	28179	171.10	173.10	2.00	<0.01	<0.1	44	11	65	<5	<5	<3	5
			Medium grained fsp porphyry intrusive, typically anhedral plag phenos to 2mm in darker grey	28180	STD	PM 411		0.99	1.0	35	34	172	2342	339	<3	10
			gmass, along with px, bi and enlongated hnbld phenos. Variably non-mag to mod mag. Locally	28181	173.10	175.10	2.00	0.01	<0.1	49	12	64	<5	<5	<3	8
			siliceous and pyritic, and cut by numerous Ei dykes, as noted.													
			172.45 - 173.61 Ei2 dyke. Dark grey fsp/bi/px intrusive. Low angle (10°) contact from 173.45 -													
			173.77 m. Narrow chilled contact.													
			175.10 - 176.70 Ei1b dyke, with chilled intrusive upper contact and faulted lower contact. Slicks													
			on 30° fracture at lower contact.													
			@ 182.9 m foliation at 45°													
			186.25 - 188.55 m Ei1a megacrystic Kspar syenite, with intrusive upper contact and faulted													
			lower contact. Upper at 45°, lower at 40° with parallel 0.5 cm cc vein.													
			188.55 - 217.01 m typical grey Trmd fsp porphyry, with light grey anhedral plag to 2mm, mm													
			scale px/bi as well as elongated hnbld. Mainly non calcareous except for cc frac filling 1-2 mm													
			in places. Fracs with cc noted at 192.7 m @ 30°; 195.7 m @ 45°; 199.0 m @ 25°; 202.5 m @ 45°;													
			stress fracture swarm 207-208.5 m at ~ 40°.													
			188.55 - 189.56 Fault Zone													
			@215.0 foliation at 50°													
			208.5 - 216.7 m py concentrations observed in several spots; sampled	28182	207.00	209.00	2.00	<0.01	<0.1	24	7	52	<5	<5	<3	5
				28183	209.00	211.00	2.00	<0.01	<0.1	21	12	70	<5	<5	<3	5
			217.01 - 236.63 Ei1b (and Ei1a?). Orange brown hypidiomorphic syenite, megacrystic in places and	28184	211.00	213.00	2.00	<0.01	<0.1	35	12	72	<5	<5	<3	6
			similar to Ei1a (ie.e 217.01- 219 +/-). Generally fine to medium grained, fsp/bi/px in Kspar rich	28185	213.00	215.00	2.00	<0.01	<0.1	43	16	270	<5	<5	<3	6
			gmass. Mod mag with 20% +/- mafics. Chilled intrusive upper and lower contacts.	28186	215.00	217.00	2.00	<0.01	<0.1	28	13	138	<5	<5	<3	7
			217.74 m sharp 45° contact changing from orange/brown to greenish grey, then steady													
			transition back to orange/brown by 218.5 m; rock type is consistent before/through/after both													
			meterages													
			224.64 - 225.50 Ei1a dyke. With sharp intrusive contacts, upper at 45°.													
			228.90 - 229.10 cc healed bx zone at 35°													
			236.0 - 236.63 chilled zone, intrusive contact at 236.63 at 25°.													
237.98	242.20	Trbs?	Fine grained, pale to dark grey and green mod ep-hem skarn, essentially non-mag.	28187	236.63	237.98	1.35	<0.01	<0.1	26	10	60	<5	<5	<3	6

DOMINANT ROCK TYPE				SAMPLE												
From (m)	To (m)	Lithology	DESCRIPTION	Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			1-3% py, 1 cm silica vein at 241.45 m. Possible endoskarn in fp? or poss Trbs?	28188	237.98	240.09	2.11	0.02	<0.1	28	11	74	<5	<5	<3	7
				28189	240.09	242.20	2.11	0.02	<0.1	36	11	67	<5	<5	<3	6
242.20	251.05	Ei2	Dark grey, medium grained fsp/bi/px intrusive, mod mag.													
			243.3 - 243.7 Fault? highly fragmented.													
251.05	279.50	Trmd (?)	Medium grey fsp porphyry. Grades to dioritic or fine grained altered seds? at times.													
			254.9 0 255.2 fragmented with secondary hematite on fractures.													
			255.90 - 265.75 Typical Ei2 dyke cuts fsp porphyry. Lower contact is chilled intrusive contact.													
			265.75 - 279.50 m Mainly grey porphyritic intrusive or possibly xtal tuff, with lesser zones													
			of pink/grey fine grained siliceous sediments and minor low grade skarn. Essentially non-mag.													
			Numerous zones of poor ground/faulting/brecciation. Sulfide deficient. A few of the more													
			prominent zones of fragmentation are:													
			266.52 - 266.70 breccia fault zone													
			267.74 minor epidote skarn													
			268.78 breccia fault													
			269.75 - 270.53 m breccia zone, repaired by cc													
			272.10 - 272.30 breccia													
			273.28 - 274.35 brecciated fault													
			274.5 - 276 fragmented throughout													
			278.0 - 279.50 repaired brecciation and subsequent refragmentation													
279.50	EOH															

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	3.05	5.18	0.65	2.13	31	2.13	0.48	23	SW
1	5.18	8.23	2.40	3.05	79	3.05	1.54	50	SW
1/2	8.23	11.28	3.05	3.05	100	3.05	2.27	74	FR
2	11.28	14.33	3.05	3.05	100	3.05	2.23	73	FR
2/3	14.33	17.37	3.04	3.04	100	3.04	2.25	74	FR
3	17.37	20.42	3.00	3.05	98	3.05	1.87	61	FR
3/4	20.42	23.47	3.05	3.05	100	3.05	1.59	52	FR
4/5	23.47	26.52	3.05	3.05	100	3.05	2.05	67	FR
5	26.52	29.57	3.05	3.05	100	3.05	2.48	81	FR
5/6	29.57	32.61	3.04	3.04	100	3.04	2.55	84	FR
6	32.61	35.66	3.05	3.05	100	3.05	2.29	75	FR
6/7	35.66	38.71	3.05	3.05	100	3.05	2.60	85	FR
7	38.71	41.76	3.05	3.05	100	3.05	1.46	48	FR
7/8	41.76	44.81	3.05	3.05	100	3.05	2.29	75	FR
8	44.81	47.85	3.04	3.04	100	3.04	1.83	60	FR
8/9	47.85	50.90	3.00	3.05	98	3.05	0.56	18	FR
9/10	50.90	53.95	3.05	3.05	100	3.05	2.23	73	FR
10	53.95	57.00	3.05	3.05	100	3.05	1.09	36	FR
10/11	57.00	60.05	3.05	3.05	100	3.05	1.82	60	FR
11	60.05	63.09	3.04	3.04	100	3.04	2.57	85	FR
11/12	63.09	66.14	3.05	3.05	100	3.05	1.69	55	FR
12/13	66.14	69.19	3.05	3.05	100	3.05	1.51	50	FR
13	69.19	72.24	3.05	3.05	100	3.05	1.39	46	FR
13/14	72.24	75.29	3.05	3.05	100	3.05	2.51	82	FR
14	75.29	78.33	2.95	3.04	97	3.04	1.83	60	FR
14/15	78.33	81.38	3.00	3.05	98	3.05	0.45	15	FR
15/16	81.38	84.43	3.05	3.05	100	3.05	1.30	43	FR
16	84.43	87.48	3.05	3.05	100	3.05	1.66	54	FR
16/17	87.48	90.53	3.05	3.05	100	3.05	1.48	49	FR
17	90.53	93.57	3.04	3.04	100	3.04	2.47	81	FR
17/18	93.57	96.62	3.05	3.05	100	3.05	1.62	53	FR
18	96.62	99.67	3.05	3.05	100	3.05	2.20	72	FR
18/19	99.67	102.72	3.05	3.05	100	3.05	2.45	80	FR
19/20	102.72	105.77	3.05	3.05	100	3.05	2.68	88	FR
20	105.77	108.81	2.98	3.04	98	3.04	2.40	79	FR
20/21	108.81	111.86	3.05	3.05	100	3.05	1.79	59	FR
21	111.86	114.91	3.05	3.05	100	3.05	2.72	89	FR
21/22	114.91	117.96	3.05	3.05	100	3.05	2.67	88	FR
22	117.96	121.01	3.05	3.05	100	3.05	2.95	97	FR
22/23	121.01	124.05	3.04	3.04	100	3.04	2.99	98	FR
23	124.05	127.10	3.05	3.05	100	3.05	2.26	74	FR
23/24	127.10	130.15	3.05	3.05	100	3.05	2.89	95	FR
24/25	130.15	133.20	3.05	3.05	100	3.05	2.47	81	FR
25	133.20	136.25	3.05	3.05	100	3.05	2.82	92	FR
25/26	136.25	139.29	3.04	3.04	100	3.04	2.52	83	FR
26	139.29	142.34	3.05	3.05	100	3.05	2.39	78	FR
26/27	142.34	145.39	3.05	3.05	100	3.05	2.20	72	FR
27	145.39	148.44	3.05	3.05	100	3.05	1.71	56	FR
27/28	148.44	151.49	2.99	3.05	98	3.05	0.96	31	FR
28/29	151.49	154.53	2.98	3.04	98	3.04	0.23	8	FR
29	154.53	157.58	3.05	3.05	100	3.05	1.29	42	FR
29/30	157.58	160.63	3.05	3.05	100	3.05	1.91	63	FR
30	160.63	163.68	3.05	3.05	100	3.05	1.41	46	FR
30/31	163.68	166.73	3.05	3.05	100	3.05	1.04	34	FR
31/32	166.73	169.77	3.04	3.04	100	3.04	2.29	75	FR
32	169.77	172.82	3.05	3.05	100	3.05	1.67	55	FR
32/33	172.82	175.87	3.05	3.05	100	3.05	2.01	66	FR
33	175.87	178.92	3.05	3.05	100	3.05	2.03	67	FR
33/34	178.92	181.97	3.05	3.05	100	3.05	2.26	74	FR
34/35	181.97	185.01	3.04	3.04	100	3.04	2.16	71	FR
35	185.01	188.06	PIECE MISSING	3.05	100	3.05	1.59	52	FR
35/36	188.06	191.11	3.05	3.05	100	3.05	0.99	32	FR
36	191.11	194.16	3.05	3.05	100	3.05	2.61	86	FR
36/37	194.16	197.21	3.05	3.05	100	3.05	2.02	66	FR
37	197.21	200.25	3.04	3.04	100	3.04	2.92	96	FR
37/38	200.25	203.30	3.05	3.05	100	3.05	2.88	94	FR
38/39	203.30	206.35	3.05	3.05	100	3.05	2.27	74	FR
39	206.35	209.40	3.05	3.05	100	3.05	2.61	86	FR
39/40	209.40	212.45	3.05	3.05	100	3.05	2.74	90	FR
40	212.45	215.49	3.04	3.04	100	3.04	2.41	79	FR
40/41	215.49	218.54	3.05	3.05	100	3.05	2.23	73	FR
41	218.54	221.59	3.05	3.05	100	3.05	3.05	100	FR
41/42	221.59	224.64	3.05	3.05	100	3.05	2.86	94	FR
42	224.64	227.69	3.05	3.05	100	3.05	2.88	94	FR
42/43	227.69	230.73	3.04	3.04	100	3.04	2.80	92	FR
43	230.73	233.78	3.05	3.05	100	3.05	2.56	84	FR
43/44	233.78	236.83	3.05	3.05	100	3.05	2.96	97	FR
44/45	236.83	239.88	3.05	3.05	100	3.05	2.63	86	FR
45	239.88	242.93	3.05	3.05	100	3.05	2.38	78	FR
45/46	242.93	245.97	3.04	3.04	100	3.04	1.48	49	FR
46	245.97	249.02	3.05	3.05	100	3.05	2.47	81	FR
46/47	249.02	252.07	3.05	3.05	100	3.05	2.53	83	FR

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
47	252.07	255.12	3.05	3.05	100	3.05	2.02	66	FR
47/48	255.12	258.17	3.05	3.05	100	3.05	1.72	56	FR
48/49	258.17	261.21	3.05	3.05	100	3.05	2.09	69	FR
49	261.21	264.26	3.05	3.05	100	3.05	2.01	66	FR
49/50	264.26	267.31	3.04	3.04	100	3.04	1.40	46	FR
50	267.31	270.36	3.05	3.05	100	3.05	2.31	76	FR
50/51	270.36	273.41	3.05	3.05	100	3.05	2.14	70	FR
51/52	273.41	276.45	2.99	3.04	98	3.04	1.17	38	FR
52	276.45	279.50	3.05	3.05	100	3.05	1.36	45	FR

AREA: Minnie Moore
HOLE: KRR 08-5

Collar UTM Easting:	**387290**	**Azimuth:**	**270.00**	**Started:**	**5-Jun-08**
Northing:	**5443707**	**Dip:**	**-45.00**	**Completed:**	**7-Jun-08**
Grid Easting:		**Depth:**	**169.77 m**	**Drilled by:**	**More Core Drilling**
Northing:		**Elevation:**	**1163 m**	**Logged by:**	**J. Lucke**
Purpose:	**To test soil geochem anomaly and qtz veining in lst bx, near Skylark ddh 87-5**			**Operator:**	**Kettle River Resources Ltd.**
	(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)	Note: All angles listed in log are with respect to core axis.		**Core Size:**	NQ2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	3.50	Casing	Casing to 3.05. Drill rounded overburden material to 3.5.													
				28190	BLANK			0.02	<0.1	4	14	68	6	<5	<3	6
3.50	4.00	Trbl(bx)	Coarse, medium grey, limestone "mosaic" breccia with fragments 3-5 cm.	28191	3.50	4.90	1.40	<0.01	<0.1	45	5	34	16	<5	<3	3
				28192	4.90	6.90	2.00	<0.01	0.1	43	11	31	20	<5	<3	4
4.00	10.90	Trbbx	Pale green, fine grained sediments with original fragmental/bx texture. Blobs of garnet/epidote	28193	6.90	8.90	2.00	0.01	0.4	164	42	218	26	<5	<3	2
		mod - str	skarn. Zoning in garnet growths, minor py, minor cc veining. Non mag. Patchy clots of py +?	28194	8.90	10.90	2.00	0.03	3.9	1028	254	312	13	<5	<3	6
		ep gar sk														
10.90	16.15	Ei1b	Brown/purple fsp/bi/px syenite intrusive. Kspar:plag:mafics ~ 40:30:30. Mafics highly visible													
		or Ei2?	as coarse (typically 2-3mm) an/subhedral phenos. Mod to highly magnetic.													
16.15	30.42	Trbs	Pale green mottled to pink with garnet blobs in chloritic altered seds. Crystalline zoning in	28195	16.15	18.42	2.27	0.02	1.5	828	5	267	6	<5	<3	38
		mod skarn	garnet. Highly calcareous, non mag, minor py, very minor cpy.	28196	18.42	20.42	2.00	0.04	2.6	742	7	139	11	<5	<3	77
				28197	20.42	22.42	2.00	<0.01	0.2	84	<2	57	10	<5	<3	549
			29.4 - 30.4 m cc stockwork zone	28198	22.42	24.42	2.00	<0.01	0.5	156	3	52	9	<5	<3	26
				28199	24.42	26.42	2.00	<0.01	0.2	102	<2	55	10	<5	<3	443
30.42	32.45	Ei1a?	Megacrystic Kspar syenite with 20% pink Kspar to 5 mm in predom Kspar matrix. Very fine	28200	STD	PM 411		0.98	1.0	30	21	164	2180	269	<3	8
		Ei1b?	grained, scattered sulfides, very weakly magnetic. Broken ground 31.8 - 32.1 m (fault?)	28201	26.42	28.42	2.00	<0.01	0.2	88	8	297	13	<5	<3	265
			Probably faulted contacts													
32.45	57.40	Trbl(bx)	Coarse limestone "mosaic" breccia with frequent jb conglom beds or infilling between lst bx frags.	28202	28.42	30.42	2.00	0.01	0.2	106	<2	167	16	<5	<3	31
			Generally white/pale grey with darker grey interstitial carbonate. Common py infilling around bx	28203	30.42	32.45	2.03	<0.01	<0.1	9	8	68	8	<5	<3	5
			frags. Lst frags are 2-10 cm +/-. 1-3% py, with notable concentrations at 41.0 m, 44.1 m,	28204	32.45	35.40	2.95	<0.01	<0.1	8	7	28	13	<5	<3	2
			44.3 m.	28205	35.40	37.40	2.00	<0.01	<0.1	6	<2	13	12	<5	<3	2
				28206	37.40	39.40	2.00	0.01	<0.1	10	<2	19	18	<5	<3	3
			34.6 - 34.7 m well developed jelly bean conglomerate	28207	39.40	41.40	2.00	0.01	<0.1	5	<2	16	12	<5	<3	6
			Moderately well developed jb conglom textures at 35.1, 36.2, 38.8, 40.3 m.	28208	41.40	43.40	2.00	0.01	<0.1	11	5	32	21	<5	<3	13
				28209	43.40	45.40	2.00	0.01	<0.1	9	<2	14	12	<5	<3	8
			50.6 - 50.8 m Broken ground - fault?	28210	BLANK			<0.01	<0.1	2	19	73	6	<5	<3	4
				28211	45.40	47.40	2.00	<0.01	<0.1	6	<2	20	14	<5	<3	8
57.40	59.10	Trbl(m)	White to grey crystalline limestone/marble	28212	47.40	49.40	2.00	<0.01	<0.1	6	4	21	14	<5	<3	4
				28213	49.40	51.40	2.00	0.01	<0.1	7	<2	24	27	<5	<3	3
59.10	69.18	Trbs	Purple green fine grained cherty, altered sediments, non mag. Sulfide deficient. Foliation/	28214	51.40	53.40	2.00	0.01	<0.1	8	2	22	23	<5	<3	5
		(+/- c, sk)	bedding at 15° at 61.8m, 67.5 m Weak-str ep-gar skarn alt.	28215	53.40	55.40	2.00	0.01	<0.1	9	<2	23	22	<5	<3	3
				28216	55.40	57.40	2.00	0.01	<0.1	10	4	24	17	<5	<3	3
			59.5 m 0.5 cm vein of soft, fibrous, amber coloured mineral, possibly gypsum	28217	57.40	59.10	1.70	0.01	<0.1	6	8	45	11	<5	<3	5
				28218	59.10	61.18	2.08	0.01	0.1	40	2	96	34	<5	<3	7
			59.7 - 59.85m Fault. Broken ground with gougy material	28219	61.18	63.18	2.00	<0.01	<0.1	41	2	219	23	<5	<3	7
				28220	STD	PM 411		0.98	1.0	30	20	162	2131	263	<3	7
			60.5 m Fault at low angle to core axis (~ 25°)	28221	63.18	65.18	2.00	<0.01	<0.1	73	<2	235	21	<5	<3	16

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				28222	65.18	67.18	2.00	<0.01	<0.1	39	<2	132	14	<5	<3	8
			64.6 - 68.6 m Fault zone	28223	67.18	69.18	2.00	<0.01	0.2	61	<2	104	22	<5	<3	11
			64.6 - 65.1 m broken ground, gouge	28224	69.18	70.18	1.00	<0.01	<0.1	52	<2	70	18	<5	<3	7
			65.5 - 65.65 m broken ground													
			67.6 - 68.6 Fault, broken ground, gouge													
69.18	70.18	Ei1a (?)	Altered, mod soft, bleached dyke. Pervasive clay alt'n. Approx 20% 2-3 mm mafics with some alt'n to													
			red hematite spotting.													
70.18	85.18	Trbs (c)	Pale grey to green cherty altered seds. Complex bx patterns, especially towards end of section.	28225	70.18	72.80	2.62	0.01	0.1	64	<2	67	47	<5	<3	4
			Minor py, but small local concentrations to 5%	28226	72.80	74.80	2.00	0.01	0.7	57	22	169	46	<5	<3	4
				28227	74.80	76.80	2.00	<0.01	2.8	46	<2	70	26	<5	<3	2
			70.18 - 70.4 m Broken ground, fault?	28228	76.80	77.71	0.91	<0.01	0.3	47	2	64	9	<5	<3	11
				28229	77.71	78.90	1.19	0.01	0.7	47	<2	99	39	<5	<3	6
			@ 73.4 m bedding at 15°	28230	BLANK			<0.01	<0.1	7	19	69	<5	<5	<3	5
				28231	78.90	80.90	2.00	<0.01	0.3	36	<2	193	32	<5	<3	6
			74.5 - 75.5 m White qtz veining and flooding comprises 30% of this interval	28232	80.90	82.90	2.00	<0.01	0.1	56	<2	100	36	<5	<3	10
				28233	82.90	84.90	2.00	0.01	0.2	43	<2	129	32	<5	<3	9
			76.80 - 77.71 m Altered pale grey to purple syenite dyke interupts Trbs(c)	28234	84.90	86.90	2.00	<0.01	<0.1	19	6	116	23	<5	<3	6
				28235	86.90	88.90	2.00	0.02	<0.1	8	6	69	15	<5	<3	7
			Prominent bedding at 25° at 78.15 m, 79.7 m, 82.5 m.													
			77.70 - 77.80 m Fault gouge													
			(LC 82.8 - 90.5 m, in Trbs and Trbl(bx) is zone of weak to mod qtz-cc veining and local silic'n.													
			Veins are irreg white-bluey grey/white chalcedonic qtz +/- carb, mm to 5 cm size. Larger veins													
			have bx frags of wall rock. They comprise ~ 5% of this interval).													
85.18	89.41	Trbl (bx)	White to grey limestone breccia with large, poorly defined limestone clasts. Mnior py, minor													
			cherty seds towards end of section.													
			87.0 - 87.5 m qtz veining to 2 cm													
			~ 88.0 minor spec hematite													
				28236	88.90	90.90	2.00	0.01	<0.1	13	6	79	19	<5	<3	4
89.41	92.90	Trbs (c)	Purple/green/grey fine grained cherty alt'd seds. Minor limestone bx persists to ~ 90 m.	28237	90.90	92.90	2.00	0.01	0.2	71	<2	138	41	<5	<3	26
			@ 92.4 m bedding at 45°													
92.90	100.05	Ei2	Dark grey medium grained (monzodior?) intrusive, becoming lighter grey and altered	28238	92.90	94.90	2.00	0.01	0.2	30	<2	76	<5	<5	<3	5
			beyond 95 m. Initially mod to str magnetic, but becomes very weak after 96.75 m.	28239	94.90	96.90	2.00	<0.01	<0.1	31	3	80	8	<5	<3	4
				28240	STD	PM 411		0.99	1.1	30	22	158	2101	268	<3	7
			Upper contact at 92.9 m is intrusive contact at 45°	28241	96.90	98.90	2.00	0.01	<0.1	18	3	66	27	<5	<3	5
				28242	98.90	100.05	1.15	0.02	0.3	18	5	62	28	<5	<3	5
			95 - 97.0 m rocks progressively softer (clay altered) and bleached.													
			97.8 - 100.1 m Fault/breccia zone (includes qtz-cc stockwork zone). Badly broken.													
			97.2 - 100.05 m qtz-cc stockwork within Ei2. Appears to have scant mineralization													
			White-pale green-grey qtz stockwork veins with bx frags comprise 30-40% of interval.													

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
100.05	103.55	Trbs	Grey-green-purple altered calcareous, siliceous fine grained seds. Non mag, few sulfides.	28243	100.05	101.55	1.50	0.01	0.2	60	<2	1067	35	<5	<3	19
				28244	101.55	103.55	2.00	0.02	0.2	89	<2	423	47	<5	<3	14
103.55	157.85	Ei2	Dark grey fsp/bi/px dior intrusive. Mod to str magnetic. Consistently medium grained (2 mm)													
			with about 1:1 plag:mafics to ~ 124 m. Then a subtle but relentless increase in pink Kspar with													
			accompanying grain size increase to 3 mm. By 129 m composition is approx Kspar:plag:mafics													
			30:30:40. This is consistent to 156.5 m then Kspar diminishes over the last 1-2 m.													
			124.3 chlorite slickensides on frac. Other similar minor frac slips occur sporadically.													
			144.90 - 145.29 m Ei1a dyke cuts Ei2. Grey-pink, non mag, syenite dyke with intrusive contacts													
			at 40° (upper) and ~ 45° (lower)													
			146.77 - 149.77 m Ei1a dyke cuts Ei2 with narrow chilled contacts to Ei1a. Grey (~50 cm each end)													
			to brown megacrystic weakly mag syenite dyke. Upper contact at 60°.													
			@ 157.85 contact at 50°													
157.85	158.26	Trbs (c)	Very dark, almost black, cherty, fine grained, highly altered seds. Appears to have vague													
			brecciation. Multiple cc filled stress fracs. Non mag.													
158.26	165.72	Ei1a	Purple to orange/brown megacrystic syenite, 5% white to pink subhedral Kspar to 2 x 10 mm													
			and 15% mafics to 5 mm in fine grained pink Kspar rich gmass. Slightly mag.													
			Irregular intrusive upper contact.													
165.72	169.77	Trbs	Mixture of pale green fine grained siliceous non calc seds and white to pale green, highly calcareous													
		(+ c, ls)	limestone megaclasts. Non mag, sulfides absent.													
169.77	EOH															

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	3.05	5.18	1.90	2.13	89	2.13	0.48	23	SW
1	5.18	8.23	3.05	3.05	100	3.05	1.92	63	SW
1/2	8.23	11.28	3.05	3.05	100	3.05	1.63	53	FR
2/3	11.28	14.33	3.05	3.05	100	3.05	2.72	89	FR
3	14.33	17.37	3.04	3.04	100	3.04	2.08	68	FR
3/4	17.37	20.42	3.05	3.05	100	3.05	2.59	85	FR
4	20.42	23.47	3.05	3.05	100	3.05	1.70	56	FR
4/5	23.47	26.52	3.05	3.05	100	3.05	1.96	64	FR
5	26.52	29.57	3.05	3.05	100	3.05	2.14	70	FR
5/6	29.57	32.61	2.98	3.04	98	3.04	2.26	74	FR
6/7	32.61	35.66	3.05	3.05	100	3.05	1.90	62	FR
7	35.66	38.71	3.05	3.05	100	3.05	2.79	91	FR
7/8	38.71	41.76	3.05	3.05	100	3.05	2.89	95	FR
8	41.76	44.81	3.05	3.05	100	3.05	2.82	92	FR
8/9	44.81	47.85	3.04	3.04	100	3.04	2.19	72	FR
9	47.85	50.90	3.05	3.05	100	3.05	2.40	79	FR
9/10	50.90	53.95	3.05	3.05	100	3.05	2.01	66	FR
10/11	53.95	57.00	3.05	3.05	100	3.05	2.62	86	FR
11	57.00	60.05	3.05	3.05	100	3.05	2.53	83	FR
11/12	60.05	63.09	2.98	3.04	98	3.04	2.35	77	FR
12	63.09	66.14	2.99	3.05	98	3.05	1.35	44	FR
12/13	66.14	69.19	2.96	3.05	97	3.05	1.68	55	FR
13	69.19	72.24	3.05	3.05	100	3.05	1.67	55	FR
13/14	72.24	75.29	3.05	3.05	100	3.05	1.91	63	FR
14/15	75.29	78.33	2.98	3.04	98	3.04	1.37	45	FR
15	78.33	81.38	3.05	3.05	100	3.05	2.69	88	FR
15/16	81.38	84.43	3.05	3.05	100	3.05	2.67	88	FR
16	84.43	87.48	3.05	3.05	100	3.05	2.57	84	FR
16/17	87.48	90.53	3.05	3.05	100	3.05	2.71	89	FR
17	90.53	93.57	3.04	3.04	100	3.04	2.65	87	FR
17/18	93.57	96.62	3.05	3.05	100	3.05	2.47	81	FR
18	96.62	99.67	3.05	3.05	100	3.05	1.45	48	FR
18/19	99.67	102.72	2.99	3.05	98	3.05	2.59	85	FR
19	102.72	105.77	3.05	3.05	100	3.05	2.96	97	FR
19/20	105.77	108.81	3.04	3.04	100	3.04	2.67	88	FR
20	108.81	111.86	3.05	3.05	100	3.05	2.57	84	FR
20/21	111.86	114.91	3.05	3.05	100	3.05	2.59	85	FR
21/22	114.91	117.96	3.05	3.05	100	3.05	2.70	89	FR
22	117.96	121.01	3.05	3.05	100	3.05	2.14	70	FR
22/23	121.01	124.05	3.04	3.04	100	3.04	2.31	76	FR
23	124.05	127.10	3.05	3.05	100	3.05	2.50	82	FR
23/24	127.10	130.15	3.05	3.05	100	3.05	2.18	71	FR
24/25	130.15	133.20	3.05	3.05	100	3.05	2.47	81	FR
25	133.20	136.25	3.05	3.05	100	3.05	2.48	81	FR
25/26	136.25	139.29	3.04	3.04	100	3.04	1.94	64	FR
26	139.29	142.34	3.05	3.05	100	3.05	2.49	82	FR
26/27	142.34	145.39	3.05	3.05	100	3.05	2.04	67	FR
27	145.39	148.44	3.05	3.05	100	3.05	2.64	87	FR
27/28	148.44	151.49	3.05	3.05	100	3.05	2.72	89	FR
28/29	151.49	154.53	3.04	3.04	100	3.04	2.79	92	FR
29	154.53	157.58	3.05	3.05	100	3.05	2.48	81	FR
29/30	157.58	160.63	3.05	3.05	100	3.05	2.41	79	FR
30	160.63	163.68	3.05	3.05	100	3.05	2.60	85	FR
30/31	163.68	166.73	3.05	3.05	100	3.05	1.93	63	FR
31	166.73	169.77	3.04	3.04	100	3.04	2.57	85	FR

AREA: Battle Zone
HOLE: KRR 08-6

Collar UTM Easting: 384000
Northing: 5438415
Grid Easting:
Northing:
Purpose: To test shear zone exposed in Bank of England adit.

Azimuth: 210
Dip: -50
Depth: 178.92 m
Elevation: 1452 m

Started: 11-Jun-08
Completed: 14-Jun-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)
Note: All angles listed in log are with respect to core axis. **Core Size:** NQ2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	6.10	Casing															
6.10	75.00	Trbbx	Sharpstone conglomerate. Pattered grey/green/red from varying composition; conglomerate	28245	BLANK			<0.01	--	<0.1	70	<2	42	25	<5	<3	4
			composed of many angular as well as rounded fragments of chert, limestone, skarn, altered	28246	6.10	6.60	0.50	<0.01	--	0.3	12	4	39	<5	<5	<3	1
			seds. Non mag. Considerable calcite veining and infilling. Many clasts also calcareous but	28247	6.60	8.23	1.63	<0.01	--	<0.1	2	<2	37	<5	<5	<3	<1
			some also siliceous and non-reactive to HCl. Several sections of oxidized material in upper	28248	8.23	10.00	1.77	0.01	--	<0.1	18	<2	47	15	<5	<3	2
			part of holes, gradually becoming lesser prominent and pretty much unoxidized after 33 m.	28249	10.00	11.60	1.60	0.01	--	<0.1	2	<2	44	25	<5	<3	1
			The broken limonite-rich zones which are interspersed among sections of solid ~ unaltered	28250	STD	PM 411		1.00	0.98	0.9	33	22	171	2287	264	<3	7
			rock, are typically non-calcareous. Virtually all the unweathered material is calcareous.	28251	11.60	13.20	1.60	0.03	--	<0.1	2	<2	32	46	<5	<3	1
			Minor specular hematite and red secondary hematite veinlets scattered. Sulfides (mainly py)	28252	13.20	13.70	0.50	0.13	--	0.3	6	<2	38	72	<5	<3	2
			prominent in some places as noted below.	28253	13.70	14.10	0.40	0.01	--	<0.1	2	<2	26	18	<5	<3	2
				28254	14.10	15.30	1.20	0.02	--	<0.1	2	<2	40	10	<5	<3	1
			6.10 - 6.60 drill rounded cobbles, including apparent overburden material unrelated to in-situ rx	28255	15.30	16.10	0.80	5.06	5.09	2.4	275	<2	132	506	<5	<3	8
				28256	16.10	16.90	0.80	5.53	5.58	1.8	333	<2	197	265	<5	<3	7
			6.60 - 8.23 m Solid unaltered sharpstone	28257	16.90	17.70	0.80	1.39	1.37	0.2	169	<2	192	141	<5	<3	4
				28258	17.70	19.70	2.00	0.08	--	<0.1	6	<2	46	32	<5	<3	2
			8.23 - 10.00 m weathered to brown with high limonite content, cc dissolved out giving a fractured	28259	19.70	21.70	2.00	0.01	--	<0.1	2	<2	29	11	<5	<3	<1
			vuggy texture	28260	BLANK			<0.01	--	<0.1	3	13	71	<5	<5	<3	5
				28261	21.70	23.70	2.00	0.01	--	<0.1	2	<2	26	9	<5	<3	1
			10.00 - 13.20 m slightly altered with several limonite-stained fractures	28262	23.70	25.70	2.00	0.01	--	<0.1	4	<2	24	6	<5	<3	<1
				28263	25.70	27.70	2.00	<0.01	--	<0.1	4	<2	30	6	<5	<3	<1
			13.20 - 14.10 m becomes more fractured, including an especially limonitic zone from 13.7 - 14.0 m	28264	27.70	29.80	2.10	0.01	--	<0.1	77	<2	38	19	<5	<3	1
				28265	29.80	31.80	2.00	0.02	--	<0.1	6	<2	39	23	<5	<3	1
			14.1 - 15.3 m slightly weathered with limonitic fractures	28266	31.80	33.05	1.25	0.06	--	<0.1	25	<2	48	11	<5	<3	1
				28267	33.05	34.15	1.10	1.99	1.96	1.8	631	<2	75	70	<5	<3	5
			15.3 - 17.7 m Qtz rich zone, sheared and broken. Considerable leaching out of cc. Contains several	28268	34.15	34.40	0.25	2.55	2.51	8.9	8312	2	57	207	<5	<3	3
			zones of semi-massive py, to 40% py over 10 cm. Overall, 10-20% py throughout this interval.	28269	34.40	35.40	1.00	0.75	--	1.7	2423	<2	51	465	<5	<3	3
				28270	STD	PM 411		0.99	--	0.9	34	20	171	2315	262	<3	7
			17.70 - 29.10 m frequent changes in grain sizes as follows:	28271	35.40	35.80	0.40	13.88	14.00	64.0	496	78	54	1198	<5	<3	12
			17.7 - 19.0 typically 1-5 mm	28272	35.80	36.80	1.00	5.07	5.00	13.6	1005	2	73	177	<5	<3	4
			19.0 - 20.0 typically up to 2 cm	28273	36.80	37.80	1.00	1.64	1.62	1.5	487	<2	71	271	<5	<3	6
			20.0 - 20.7 quick change at 20.0 m to 1-3 mm	28274	37.80	38.80	1.00	9.13	8.80	7.0	2417	27	78	211	<5	<3	7
			20.7 - 23.2 larger clasts typically 1 cm +/- but up to 5 cm	28275	38.80	39.80	1.00	1.78	1.82	2.0	1765	5	78	215	<5	<3	4
			23.2 - 27.1 poorly sorted mix, mm scale to 3 cm	28276	39.80	40.35	0.55	1.30	1.31	8.6	3790	31	75	1160	<5	<3	11
			27.9 - 29.1 typically 0.5 - 1 cm, rarely to 3 cm	28277	40.35	42.35	2.00	0.07	--	0.2	444	<2	66	20	<5	<3	3
				28278	42.35	44.35	2.00	0.06	--	0.2	18	<2	93	8	<5	<3	2
			27.1 - 27.9 m somewhat weathered with high limonite content; dissolution of cc yields cracks,	28279	44.35	46.35	2.00	0.05	--	<0.1	44	<2	49	6	<5	<3	2
			vugs and irreg spaces	28280	BLANK			0.01	--	<0.1	4	9	74	11	<5	<3	5
			29.10 - 29.57 m Broken ground, limonitic, minor py														

ROCK TYPE			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			29.80 - 31.00 m Broken ground, limonitic														
			33.05 m seemingly insignificant 40 degree limonitic fracture ~ 0.5 cm wide, but py concentrations														
			begin immediately after it and the rock appears to lose its reddish fragments and the unit takes														
			on a general grey/green appearance.														
			33.05 - 40.35 m Zone of > pyrite mineralization, with irregular qtz flooding and vnlts, including several														
			discrete semi-massive py vns + patches and blobs of semi massive py+cpy. Overall,														
			~ 5% pyrite overall but with short sections (typically ~ 10 cm) much higher, often														
			to 50%. The most significant concentrations are at 34.2 m, 34.4 m, 34.9 m,														
			35.5 m, 35.7 m, 36.3 m, 37.7 m, 39.0 m, 40.1 m. Possible minor graphite? or spec hem?														
			40.35 m 45 degree fracture, after which py is suddenly minor	28281	46.35	49.35	3.00	0.06	--	<0.1	14	<2	69	20	<5	<3	3
				28282	49.35	52.35	3.00	0.01	--	<0.1	19	<2	65	13	<5	<3	2
			47.15 m fracture with limonite, 30 degrees.	28283	52.35	55.35	3.00	0.01	--	<0.1	21	<2	58	21	<5	<3	2
				28284	55.35	58.35	3.00	<0.01	--	<0.1	27	<2	55	11	<5	<3	2
			59 - 60 m Strong fault zone with abundant gouge. Includes pale grey-green mod soft fine grained	28285	58.35	61.35	3.00	0.01	--	2.3	7	<2	39	9	<5	<3	1
			silty interbed (or alt'd tuff or dyke?). Highly fragmented. After 60.0 m the conglom is much less well	28286	61.35	64.35	3.00	0.01	--	0.1	3	13	74	13	<5	<3	6
			defined (esp 60 - 63 m) becoming fairly consistent 2-10 mm frags after 63 m.	28287	64.35	67.35	3.00	<0.01	--	<0.1	61	<2	36	10	<5	<3	2
				28288	67.35	70.35	3.00	0.01	--	<0.1	123	<2	67	36	<5	<3	3
			61.7 - 62.0 m Brecciated and badly fragmented	28289	70.35	73.35	3.00	0.01	--	<0.1	1	2	6	6	<5	<3	8
				28290	STD	PM 411		0.98	--	0.9	84	<2	62	27	<5	<3	2
			62.4 - 62.6 m Badly broken	28291	73.35	76.35	3.00	0.02	--	<0.1	42	<2	177	60	<5	<3	4
				28292	76.35	78.35	2.00	0.05	--	<0.1	49	<2	121	5271	14	<3	7
			66 m - 73 m Fault zone - sharpstone is very broken/blocky with requrent narrow tectonic bx zones	28293	78.35	79.85	1.50	0.01	--	<0.1	51	<2	101	39	<5	<3	4
			or gouge or cc filled fracs.	28294	79.85	80.85	1.00	0.32	--	0.4	51	<2	100	32	<5	<3	3
				28295	80.85	82.35	1.50	0.02	--	<0.1	50	<2	126	33	<5	<3	4
75.00	86.75	Trbs	Stratigraphic contact from Trbbx above. Fining down hole sedimentary sequence. Interval	28296	82.35	84.35	2.00	<0.01	--	<0.1	34	21	174	2323	293	<3	8
			75 - 86.75 m is mainly a fine grained mudstone-siltstone with lesser intermittent conglomerate beds.	28297	84.35	86.75	2.40	0.02	--	<0.1	53	<2	101	43	<5	<3	4
			Locally mod well developed bedding at 70 degrees.	28298	86.75	88.75	2.00	0.24	--	0.4	57	<2	117	1953	6	<3	6
			~ 65.8 m 0.5 cm qtz/py vein at 20 degrees	28299	88.75	90.75	2.00	0.02	--	0.2	52	<2	127	129	<5	<3	7
				28300	BLANK			0.02	--	<0.1	46	<2	83	47	<5	<3	2
			79.2 m irregular fracture filling by py, 0.5 cm width	28301	90.75	92.75	2.00	0.01	--	0.2	50	<2	117	70	<5	<3	6
				28302	92.75	94.75	2.00	0.02	--	0.2	52	<2	130	56	<5	<3	3
			80.25 m 1.5 cm qtz/py vein at 50 degrees, py 50%	28303	94.75	96.75	2.00	0.01	--	<0.1	60	<2	138	70	<5	<3	5
				28304	96.75	98.75	2.00	0.01	--	<0.1	66	<2	274	76	<5	<3	14
			80.4 - 80.5 m short brecciated stockwork section with cc healing	28305	98.75	100.75	2.00	0.01	--	<0.1	85	<2	365	223	<5	<3	10
				28306	100.75	102.75	2.00	0.01	--	<0.1	3	12	70	12	<5	<3	4
			80.9 - 81.2 m irregular fracture filling by py, 1-5%	28307	102.75	104.75	2.00	0.02	--	0.1	83	<2	410	82	<5	<3	15
				28308	104.75	106.75	2.00	0.03	--	0.2	81	3	279	94	<5	<3	10
			@ 123.1 m is irregular stratigraphic contact to black 'shale' below, at 70 degrees to C/A.	28309	106.75	108.75	2.00	0.01	--	0.1	43	<2	75	82	<5	<3	2
				28310	STD	PM 411		1.00	0.98	0.9	39	<2	90	65	<5	<3	1
86.75	123.10	Trba	Black argillite "Rawhide Shale" unit.	28311	108.75	111.75	3.00	<0.01	--	<0.1	67	<2	79	75	<5	<3	3
			86.75 - 104.8 m Very fine grained, dark grey-black graphitic pyritic cherty argillite (very hard).	28312	111.75	114.75	3.00	<0.01	--	<0.1	265	<2	46	109	<5	<3	3
			Highly fractured with bedding obscured but parting 30-55 degrees noted at spotty locations.	28313	114.75	117.75	3.00	0.01	--	<0.1	86	<2	72	55	<5	<3	2
			Frequent cc fractures, but otherwise non-calcareous. Random minor qtz vning.	28314	117.75	120.75	3.00	0.03	--	0.1	46	<2	57	74	<5	<3	2
				28315	120.75	123.10	2.35	<0.01	--	<0.1	42	<2	46	59	<5	<3	3
			86.75 - 112.0 m Many tiny fractures saturated with fine grained py, 2-5% py overall.														

ROCK TYPE			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			104.80 - 123.1 m Dominantly dark grey aphanitic cherty argillite but lacks strong graphite as														
			above. Minor sections of pale-med grey-green chert.														
			105.0 - 105.8 m Fault - badly broken ground with high graphite content.														
			107.5 - 107.9 m Dyke intrudes seds, possibly while still soft seds. Light grey fsp porphyry														
			with intermingled "muddy" look. Influence both ways (~ 106.2 - 108.8 m) has resulted in a														
			lighter grey than general.														
			113.0 m bedding/foliation at 45 degrees														
			~ 112.0 - 123.0 m Pyrite begins to diminish ~ 112 m, to about 1-2% overall; only minor after 123m.														
123.10	178.92	Trbv	Brooklyn greenstone. Massive, homogeneous, med - dark grey-green, fine grained to aphanitic,	28316	147.48	149.48	2.00	<0.01	--	<0.1	33	20	170	2239	271	<3	7
			non magnetic, non calcareous, siliceous greenstone with local fine mafic xtals visible. Minor late	28317	149.48	149.89	0.41	<0.01	--	<0.1	20	<2	20	20	<5	<3	<1
			cc vnlts. Locally mottled texture with with epidote alt'n. Local diss, patchy and blebby py &	28318	149.89	151.05	1.16	<0.01	--	<0.1	19	<2	22	11	<5	<3	2
			po, 1-2%. (LC description)	28319	151.05	153.05	2.00	<0.01	--	<0.1	23	<2	24	11	<5	<3	5
			125.0 - 127.0 m increased cc vning, irreg, to 10 cm zones														
			~ 130.0 and 136.2 m minor py as euhedral cubes to 2 mm														
			136.5 m 10 cm zone of cc stringers at 45 degrees														
			137.4 - 137.8 m Fault - badly fragmented with some gougy material														
			140.7 - 141.05 m highly fractured but repaired zone with silica flooding. Sulfide deficient.														
			143.2 - 143.6 m Fractured, silica flood zone as above.														
			149.48 - 149.89 m White-grey, mod soft, massive, finely banded vein with sharp contacts.														
			Moderately calcareous, poss clay-carb mix. 10-15 degree contacts, upper and lower.														
			149.89 - 151.05 m Greenish, coarse (sst size grains), very calcareous greenstone/tuff with														
			fine grained py. Non mag.														
			154.5 - 160.6 m Fault zone with str chl slicks on fractures.														
			159.9 m 1.5 cm barren cc vein at 45 degrees														
			170.0 - 170.2 m broken repaired zone with cc and qtz.														
178.92	EOH																

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	6.10	8.23	0.80	2.13	38	2.13	0.54	25	MW
1	8.23	11.28	2.60	3.05	85	3.05	1.45	48	MW/SW
1/2	11.28	14.33	2.90	3.05	95	3.05	1.48	49	MW
2	14.33	17.37	3.00	3.04	99	3.04	0.47	15	SW
2/3	17.37	20.42	3.05	3.05	100	3.05	2.04	67	SW
3	20.42	23.47	3.05	3.05	100	3.05	2.56	84	SW
3/4	23.47	26.52	3.05	3.05	100	3.05	2.63	86	SW
4	26.52	29.57	3.05	3.05	100	3.05	2.04	67	SW
4/5	29.57	32.61	3.04	3.04	100	3.04	2.01	66	SW
5	32.61	35.66	3.05	3.05	100	3.05	2.17	71	FR
5/6	35.66	38.71	3.05	3.05	100	3.05	2.93	96	FR
6/7	38.71	41.76	3.05	3.05	100	3.05	2.29	75	FR
7	41.76	44.81	3.05	3.05	100	3.05	2.64	87	FR
7/8	44.81	47.85	3.04	3.04	100	3.04	2.39	79	SW
8	47.85	50.90	3.05	3.05	100	3.05	2.24	73	FR
8/9	50.90	53.95	3.05	3.05	100	3.05	2.21	72	FR
9	53.95	57.00	3.05	3.05	100	3.05	2.22	73	FR
9/10	57.00	60.05	3.05	3.05	100	3.05	0.82	27	FR
10/11	60.05	63.09	3.04	3.04	100	3.04	1.62	53	FR
11	63.09	66.14	3.05	3.05	100	3.05	1.04	34	FR
11/12	66.14	69.19	3.05	3.05	100	3.05	0.71	23	FR
12	69.19	72.24	3.05	3.05	100	3.05	0.90	30	FR
12/13	72.24	75.29	3.05	3.05	100	3.05	0.73	24	FR
13/14	75.29	78.33	3.04	3.04	100	3.04	1.27	42	FR
14	78.33	81.38	3.05	3.05	100	3.05	1.37	45	FR
14/15	81.38	84.43	3.05	3.05	100	3.05	1.01	33	FR
15	84.43	87.48	3.02	3.05	99	3.05	0.62	20	FR
15/16	87.48	90.53	2.99	3.05	98	3.05	0.51	17	FR
16	90.53	93.57	2.98	3.04	98	3.04	0.70	23	FR
16/17	93.57	96.62	3.05	3.05	100	3.05	0.86	28	FR
17/18	96.62	99.67	3.05	3.05	100	3.05	1.43	47	FR
18	99.67	102.72	3.05	3.05	100	3.05	1.37	45	FR
18/19	102.72	105.77	3.05	3.05	100	3.05	0.75	25	FR
19	105.77	108.81	3.04	3.04	100	3.04	1.86	61	FR
19/20	108.81	111.86	2.99	3.05	98	3.05	2.47	81	FR
20	111.86	114.91	3.05	3.05	100	3.05	1.68	55	FR
20/21	114.91	117.96	3.05	3.05	100	3.05	2.01	66	FR
21/22	117.96	121.01	3.05	3.05	100	3.05	2.28	75	FR
22	121.01	124.05	3.04	3.04	100	3.04	1.78	59	FR
22/23	124.05	127.10	3.05	3.05	100	3.05	2.77	91	FR
23	127.10	130.15	3.05	3.05	100	3.05	2.59	85	FR
23/24	130.15	133.20	3.05	3.05	100	3.05	2.08	68	FR
24	133.20	136.25	3.05	3.05	100	3.05	2.43	80	FR
24/25	136.25	139.29	2.98	3.04	98	3.04	1.55	51	FR
25	139.29	142.34	3.05	3.05	100	3.05	2.48	81	FR
25/26	142.34	145.39	3.05	3.05	100	3.05	2.19	72	FR
26/27	145.39	148.44	3.05	3.05	100	3.05	2.12	70	FR
27	148.44	151.49	3.05	3.05	100	3.05	2.13	70	FR
27/28	151.49	154.53	3.04	3.04	100	3.04	2.08	68	FR
28	154.53	157.58	3.05	3.05	100	3.05	1.65	54	FR
28/29	157.58	160.63	3.05	3.05	100	3.05	1.75	57	FR
29/30	160.63	163.68	3.05	3.05	100	3.05	2.11	69	FR
30	163.68	166.73	3.05	3.05	100	3.05	1.36	45	FR
30/31	166.73	169.77	3.04	3.04	100	3.04	1.96	64	FR
31	169.77	172.82	3.05	3.05	100	3.05	1.82	60	FR
31/32	172.82	175.87	3.05	3.05	100	3.05	2.44	80	FR
32	175.87	178.92	3.05	3.05	100	3.05	2.11	69	FR

AREA: Battle Zone
HOLE: KRR 08-7

Collar UTM **Easting:** 384000
Northing: 5438415
Grid **Easting:**
Northing:
Purpose: To test Bank of England zone, at depth below hole 08-6.

Azimuth: 210
Dip: -85
Depth: 163.68 m
Elevation: 1452 m

Started: 16-Jun-08
Completed: 18-Jun-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)
Note: All angles listed in log are with respect to core axis.

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	9.14	Casing	Casing to 9.14 m														
9.14	40.19	Trbbx	Typical sharpstone conglomerate. Polymictic conglomerate with semi-round to angular	28320	BLANK			<0.01	--	0.7	2	9	70	<5	<5	<3	5
			fragments of chert, limestone, fine altered sediments, skarn and medium grained diorite in a	28321	9.14	11.50	2.36	<0.01	--	<0.1	3	<2	36	12	<5	<3	<1
			generally calcareous gmass. Generally a mix of red/purple/green/grey frags, mostly 1-10 mm	28322	11.50	14.50	3.00	0.01	--	<0.1	3	<2	49	20	<5	<3	<1
			but occassionally up to 5 cm. Non mag. Minimally oxidized to ~ 24 m, with infrequent	28323	14.50	17.50	3.00	0.01	--	<0.1	30	<2	51	10	<5	<3	<1
			limonite fractures.	28324	17.50	20.50	3.00	0.01	--	<0.1	69	<2	68	9	<5	<3	<1
				28325	20.50	23.50	3.00	<0.01	--	<0.1	3	<2	52	5	<5	<3	1
			Variable pyrite content, as follows:	28326	23.50	24.50	1.00	0.09	--	0.3	6	<2	52	113	<5	<3	2
			0 - 23.5 m very minor py	28327	24.50	25.50	1.00	0.45	--	<0.1	28	<2	39	109	<5	<3	2
			23.5 - 24.6 m Generally 1+% py, with small concentrations to 5%	28328	25.50	26.40	0.90	0.89	--	<0.1	148	<2	64	306	<5	<3	2
			25.5 - 27.3 m Numerous pockes and displays of py, 10+% overall	28329	26.40	27.30	0.90	1.42	1.43	0.6	63	<2	40	400	<5	<3	2
			27.3 - 29.0 m Py reduces suddenly to ~ 1-3%	28330	STD	PM 411		0.99	--	0.5	33	20	169	2149	161	<3	7
			~ 29 - 39 m Minor py	28331	27.30	29.00	1.70	0.03	--	0.9	17	<2	31	36	<5	<3	3
			39 - 39.55 m py increases to 1-3%	28332	29.00	32.00	3.00	0.02	--	<0.1	9	<2	28	18	<5	<3	2
			39.55 - 40.19 m Sudden increase in py; ~ 10% through section	28333	32.00	35.00	3.00	0.03	--	<0.1	6	<2	39	24	<5	<3	1
				28334	35.00	38.00	3.00	0.03	--	<0.1	344	<2	44	29	<5	<3	<1
			33.5m, 34.0 m a pair of 3 cm limonite fracture zones at 50 degrees.	28335	38.00	39.55	1.55	0.23	--	0.7	1481	<2	67	57	<5	<3	1
				28336	39.55	40.19	0.64	0.46	--	0.7	945	<2	49	96	<5	<3	4
40.19	44.25	Trmd (?)	Pale grey fsp porphyritic intrusive with approx 20% 1-3 mm grey fsp and 20% mafics in fine	28337	40.19	41.19	1.00	0.04	--	<0.1	51	7	113	12	<5	<3	3
			grained pale pink/purple matrix.														
			43.5 - 44.2 m highly fragmented with considerable limonite oxidation														
44.25	84.40	Trbbx	Sharpstone conglomerate as above but finer grained, green to grey in appearance. Grain size	28338	44.25	47.25	3.00	0.04	--	<0.1	77	<2	71	26	<5	<3	4
			now typically 1-3 mm. Non mag. Py is scarse through most of section, with exceptions	28339	47.25	50.25	3.00	0.01	--	<0.1	16	<2	62	10	<5	<3	3
			noted below.	28340	BLANK			<0.01	--	<0.1	3	17	73	16	<5	<3	5
				28341	50.25	53.25	3.00	0.01	--	<0.1	116	<2	47	23	<5	<3	2
			53.0 - 53.8 m Fault. Highly fragmented, considerable gouge. Sections of massive granular py.	28342	53.25	56.25	3.00	<0.01	--	<0.1	35	<2	29	6	<5	<3	<1
				28343	56.25	59.25	3.00	<0.01	--	<0.1	26	<2	26	9	<5	<3	<1
			56.05 - 56.10 m small dyke, Trmd? Medium grey, fine grained, ~ 15% mafics visible but < 1mm in	28344	59.25	60.90	1.65	<0.01	--	<0.1	19	<2	29	11	<5	<3	<1
			fine grained gmass	28345	60.90	61.25	0.35	<0.01	--	1.2	662	<2	52	69	<5	<3	2
				28346	61.25	63.40	2.15	<0.01	--	<0.1	30	<2	25	7	<5	<3	<1
			61.00 - 61.15 m Massive pyrite comprises ~ 30% of section	28347	63.40	66.40	3.00	<0.01	--	<0.1	23	<2	27	<5	<5	<3	<1
				28348	66.40	69.40	3.00	<0.01	--	<0.1	37	<2	33	7	<5	<3	<1
			69.70 m ~ 20% pyrite in and around 0.5 cm qtz vein	28349	69.40	72.40	3.00	<0.01	--	<0.1	24	<2	20	5	<5	<3	<1
				28350	STD	PM 411		0.98	--	0.8	32	21	163	2065	158	<3	6
			~ 58 - 73 m high quartz pebble content, generally 0.5 - 1.0 cm, gives rock a white in green	28351	72.40	75.40	3.00	0.02	--	<0.1	38	<2	21	29	<5	<3	<1
			textures; very little calcite.	28352	75.40	78.40	3.00	<0.01	--	<0.1	37	<2	21	26	<5	<3	<1
				28353	78.40	81.40	3.00	<0.01	--	<0.1	23	<2	18	31	<5	<3	<1
			73+ m fluctuating transition over several meters to a somewhat less defined texture; grain	28354	81.40	84.40	3.00	<0.01	--	<0.1	25	<2	18	15	<5	<3	<1
			boundaries somewhat blurred.														

DOMINANT			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			74.80 m pyrite in 3 mm qtz vein at 45 degrees														
84.40	105.50	Trbs/	Generally dark grey to purple, muddy, fine grained altered sediments; highly siliceous/cherty.	28355	84.40	87.40	3.00	0.05	--	<0.1	50	<2	46	54	<5	<3	2
		Trba	Only moderately calcareous even with mm-scale cc fracture filling. Considerably altered														
			with contorted foliation many locations. Pyrite disseminated throughout - persistent but minor.														
			(LC - Interbedded zone of fine grained med-dark grey argillite and siltstone, grading down hole														
			to massive argillite by 105.5 m. Well developed bedding, with alternating mm-cm scale argillite/														
			siltstone beds).														
			86.2 - 88.2 m somewhat larger grain size, in realm of sst														
			94.7 m Both foliation and 1 mm cc stringers at 45 degrees, but oblique to one another														
			95.6 - 95.9 m Thin, intimately interbedded mudstone and sandstone, with bedding at 75 degrees.														
			1 mm to 3 cm thick beds.														
			95.9 - 96.5 m mainly altered sandstone														
			99.29 m pyrite in 1 cm siliceous vein														
				28356	97.50	99.50	2.00	<0.01	--	<0.1	66	<2	79	15	<5	<3	2
			~ 99.5 - 105.5 m very siliceous groundmass and pyrrhotite content corresponding to the	28357	99.50	101.50	2.00	0.01	--	<0.1	99	<2	31	<5	<5	<3	2
			silica rich sections. Pyrrhotite disseminations and blebs 1-3% overall, including occurrences	28358	101.50	103.50	2.00	0.02	--	<0.1	150	<2	75	26	<5	<3	2
			at 99.95 m, 100.65 m, 101.00 m, 102.27 m. Magnetic. (hornfelsed?)	28359	103.50	105.50	2.00	<0.01	--	<0.1	47	<2	84	45	<5	<3	2
				28360	BLANK			0.06	--	<0.1	3	11	71	8	<5	<3	6
105.50	127.40	Trba	Dark grey graphitic argillite (Rawhide shale?). Considerable broken ground														
			throughout section with myriad of 1-3 mm cc stringers. Py scattered at 1-3%, often filling small	28361	105.50	107.50	2.00	<0.01	--	<0.1	94	<2	51	57	<5	<3	7
			stress fracture patterns.	28362	107.50	109.50	2.00	<0.01	--	<0.1	109	<2	75	61	<5	<3	5
			107.45 - 107.75 m Fault breccia, sandstone.														
			113.40 - 115.70 m High concentrations of cc filled fracs														
			123.80 - 125.00 m Faulting/fragmentation. Slickensided py on frac surface at 124.7 m.														
127.40	163.68	Trbv	Brooklyn greenstone. Medium to dark grey-green, massive, homogeneous, fine grained														
			to aphanitic siliceous greenstone. Locally grain size coarsens slightly and tiny fsp xtals are														
			visible. Non magnetic and non calcareous. Minor late hairline to mm-scale cc vnlts. (LC descrip)														
			135.6 - 136.0 m irreg qtz-cc vnlts comprise ~ 25% of interval														
			143.75 Fault. 5 cm broken, gougey zone														
			153.80 - 154.20 m angular broken ground (fault?)														
163.68	EOH																

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	9.14	11.28	1.60	2.14	75	2.14	1.17	55	SW
1	11.28	14.33	3.05	3.05	100	3.05	1.87	61	SW
1/2	14.33	17.37	3.04	3.04	100	3.04	1.71	56	SW
2/3	17.37	20.42	3.05	3.05	100	3.05	2.12	70	SW
3	20.42	23.47	3.05	3.05	100	3.05	2.45	80	SW
3/4	23.47	26.52	3.05	3.05	100	3.05	2.29	75	SW
4	26.52	29.57	3.05	3.05	100	3.05	2.68	88	SW
4/5	29.57	32.61	3.04	3.04	100	3.04	2.80	92	SW
5	32.61	35.66	3.05	3.05	100	3.05	2.07	68	SW
5/6	35.66	38.71	3.05	3.05	100	3.05	2.84	93	FR
6	38.71	41.76	3.05	3.05	100	3.05	1.83	60	FR
6/7	41.76	44.81	2.99	3.05	98	3.05	1.28	42	FR
7	44.81	47.85	3.04	3.04	100	3.04	1.31	43	FR
7/8	47.85	50.90	3.05	3.05	100	3.05	2.30	75	FR
8/9	50.90	53.95	2.90	3.05	95	3.05	0.89	29	FR
9	53.95	57.00	3.05	3.05	100	3.05	1.97	65	FR
9/10	57.00	60.05	3.05	3.05	100	3.05	2.41	79	FR
10	60.05	63.09	2.98	3.04	98	3.04	1.29	42	FR
10/11	63.09	66.14	3.05	3.05	100	3.05	2.29	75	FR
11	66.14	69.19	3.05	3.05	100	3.05	2.37	78	FR
11/12	69.19	72.24	3.05	3.05	100	3.05	2.22	73	FR
12	72.24	75.29	3.05	3.05	100	3.05	1.86	61	FR
12/13	75.29	78.33	3.04	3.04	100	3.04	1.77	58	FR
13/14	78.33	81.38	3.05	3.05	100	3.05	2.10	69	FR
14	81.38	84.43	3.05	3.05	100	3.05	1.91	63	FR
14/15	84.43	87.48	3.05	3.05	100	3.05	2.53	83	FR
15	87.48	90.53	3.05	3.05	100	3.05	2.44	80	FR
15/16	90.53	93.57	3.04	3.04	100	3.04	2.53	83	FR
16	93.57	96.62	3.05	3.05	100	3.05	2.00	66	FR
16/17	96.62	99.67	3.05	3.05	100	3.05	2.15	70	FR
17/18	99.67	102.72	3.05	3.05	100	3.05	2.61	86	FR
18	102.72	105.77	3.05	3.05	100	3.05	2.32	76	FR
18/19	105.77	108.81	3.04	3.04	100	3.04	1.46	48	FR
19	108.81	111.86	3.05	3.05	100	3.05	1.70	56	FR
19/20	111.86	114.91	3.05	3.05	100	3.05	1.30	43	FR
20	114.91	117.96	2.99	3.05	98	3.05	1.93	63	FR
20/21	117.96	121.01	3.05	3.05	100	3.05	1.69	55	FR
21/22	121.01	124.05	3.04	3.04	100	3.04	1.44	47	FR
22	124.05	127.10	3.05	3.05	100	3.05	0.81	27	FR
22/23	127.10	130.15	3.05	3.05	100	3.05	2.40	79	FR
23	130.15	133.20	3.05	3.05	100	3.05	2.34	77	FR
23/24	133.20	136.25	3.05	3.05	100	3.05	2.52	83	FR
24	136.25	139.29	3.04	3.04	100	3.04	1.97	65	FR
24/25	139.29	142.34	3.05	3.05	100	3.05	2.26	74	FR
25	142.34	145.39	3.05	3.05	100	3.05	1.48	49	FR
25/26	145.39	148.44	3.05	3.05	100	3.05	1.25	41	FR
26/27	148.44	151.49	3.05	3.05	100	3.05	2.09	69	FR
27	151.49	154.53	3.04	3.04	100	3.04	1.94	64	FR
27/28	154.53	157.58	3.05	3.05	100	3.05	1.96	64	FR
28	157.58	160.63	3.05	3.05	100	3.05	2.89	95	FR
28/29	160.63	163.68	3.05	3.05	100	3.05	2.93	96	FR

AREA: **Battle Zone**
HOLE: **KRR 08-8**

Collar UTM Easting: **384000**
Northing: **5438415**
Grid Easting:
Northing:
Purpose: **To test Bank of England zone, on strike from hole 08-6**
(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Azimuth: **240**
Dip: **-50**
Depth: **114.91 m**
Elevation: **1452 m**
Note: All angles listed in log are with respect to core axis.

Started: **19-Jun-08**
Completed: **24-Jun-08**
Drilled by: **More Core Drilling**
Logged by: **J. Lucke**
Operator: **Kettle River Resources Ltd.**
Core Size: NQ2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	4.57	Casing																
4.57	73.20	Trbbx	Typical sharpstone conglomerate. Grey-green-purple colour, composite of angular and															
			subangular fragments +/- 2 mm to 2 cm, including chert/qtz, lst/cc, skarn and intrusives															
			Locally fractured and faulted, with local limonite alteration to ~ 60 m. Calcareous throughout.															
			Siliceous, non-magnetic. Pyrite - disseminated and local patchy > concentrations. Local minor															
			cpy and spec hem.															
			4.57 - 38.7 m - hematitic, maroon coloured sharpstone, then sharpstone continues but darker															
			green, more mottled than above and looses hematitic colour															
			~ 8.0 - 8.5 m Fault zone, fragmented with limonite oxidation															
			9.8 - 10.3 m Oxidized zone, limonite.															
			11.35 - 12.0 m Oxidized zone, limonite.															
				28363	BLANK			<0.01	--	--	<0.1	3	17	75	23	<5	<3	5
			14.13 m 5 mm miniature dyke? at 45°; porphyry with 1 mm fsp xtals	28364	4.57	7.57	3.00	0.02	--	--	<0.1	<1	<2	36	84	<5	<3	<1
				28365	7.57	10.57	3.00	0.05	--	--	<0.1	<1	<2	41	35	<5	<3	<1
			14.67 m Splay of bladed or acicular specular hematite in irregular 5 cm cc blob. Minor py	28366	10.57	13.57	3.00	0.01	--	--	<0.1	<1	<2	58	34	<5	<3	<1
			filling fractures.	28367	13.57	16.57	3.00	0.02	--	--	<0.1	1	<2	56	35	<5	<3	<1
				28368	16.57	19.57	3.00	0.55	--	--	<0.1	23	<2	67	86	<5	<3	4
			12.45, 13.55, 14.90, 15.35 m Minor fractures with limonite															
			17.35 - 18.30 m ~ 5% py in qtz-rich host; also grey unidentified mineral (graphite? moly? Mn ox?)															
			especially as smears on 30° fracture surfaces.															
			19.20 - 22.90 m Fault zone. Highly fractured zone with substantial limonite alteration on fracts and	28369	19.57	22.57	3.00	0.08	--	--	0.2	12	<2	52	59	<5	<3	1
			pervasive. Vuggy texture, poss from dissolution of pyrite.	28370	STD	PM 411		0.99	--	--	0.8	32	21	179	2148	163	<3	6
				28371	22.57	25.57	3.00	0.04	--	--	<0.1	6	<2	33	44	<5	<3	<1
			~ 23.0 - 29.0 m Zone of high epidote alteration, up to 50%, giving a distinct green appearance	28372	25.57	28.57	3.00	0.04	--	--	<0.1	25	<2	29	38	<5	<3	<1
			to rock. Diminishes after ~ 29.0 m.	28373	28.57	30.57	2.00	0.15	--	--	<0.1	551	<2	36	76	<5	<3	<1
				28374	30.57	32.57	2.00	0.05	--	--	<0.1	15	<2	40	39	<5	<3	<1
			29.5, 30.9, 33.85m Minor fractures with limonite	28375	32.57	34.57	2.00	0.02	--	--	<0.1	5	<2	34	26	<5	<3	<1
				28376	34.57	36.57	2.00	0.02	--	--	<0.1	11	<2	44	26	<5	<3	<1
			Pyrite - Minor to ~ 28 m, then several significant occurrences, as noted:	28377	36.57	38.57	2.00	0.03	--	--	<0.1	12	<2	48	24	<5	<3	<1
			26.10 m py blebs	28378	38.57	40.57	2.00	0.54	--	--	<0.1	34	<2	43	73	<5	<3	2
			28.75 m, 28.95 m, 29.40 m py blebs to 5%	28379	40.57	42.57	2.00	0.27	--	--	<0.1	133	<2	51	37	<5	<3	<1
			29.6 - 30.0 m spotty py	28380	BLANK			0.02	--	--	<0.1	2	12	81	15	<5	<3	1
			38.9, 39.1 m py blebs to 1 cm	28381	42.57	44.57	2.00	0.57	--	--	<0.1	15	<2	42	41	<5	<3	1
			40.1 - 40.3 m 10% py as massive py in cc (+qtz) vein/pocket	28382	44.57	45.57	1.00	0.19	--	--	1.4	1072	<2	72	62	<5	<3	<1
			42.4 - 42.7 m 1-3% py in cc/qtz stockwork veins	28383	45.57	46.27	0.70	18.10	18.07	183.7	164.0	33576	43	255	565	<5	<3	2
			45.57 - 46.27 m Massive py vein, with 1.5 cm cpy blebs ~ 46.0 m. 80+% fine grained massive	28384	46.27	47.27	1.00	0.50	--	--	2.8	1103	<2	106	152	<5	<3	11
			sulfides, py dominant.															

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			48.5 - 49.3 m ~ 5% py	28385	47.27	49.27	2.00	0.52	--	--	1.4	1209	<2	75	129	<5	<3	<1
				28386	49.27	51.27	2.00	1.74	1.73	--	0.8	688	<2	82	60	<5	<3	<1
			47.5 - 47.9 m Fault zone. Broken ground with limonite on fracture surfaces and with local zones of py,	28387	51.27	54.27	3.00	0.03	--	--	<0.1	59	<2	72	30	<5	<3	<1
			to 10%. Additional limonite at 50.90, 52.30 m.	28388	54.27	57.27	3.00	0.02	--	--	<0.1	17	<2	57	30	<5	<3	<1
				28389	57.27	60.15	2.88	0.03	--	--	<0.1	4	<2	55	35	<5	<3	<1
			58.2 - 58.5 m Fault zone. Broken ground with limonite	28390	STD	PM 411		0.99	--	--	0.9	31	21	178	2280	139	<3	6
				28391	60.15	61.50	1.35	0.04	--	--	<0.1	33	<2	75	22	<5	<3	<1
			60.15 - 61.50 m Fault zone Bleached grey-buff altered fine grained dyke (or mudstone?) in fault	28392	61.50	63.50	2.00	0.06	--	--	0.2	35	<2	72	93	<5	<3	<1
			zone. Abundant narrow gouge zones, strong slicks on fracs. (LC)															
			Very pale grey, fine grained dyke or mudstone in fault zone. The coarser grains															
			(fsp? mafics?) are < 1 mm and the matrix is much finer and only slightly calcareous. Non-mag.															
			Quite soft, possibly due to pervasive clay alteration. Irreg contacts at both ends.															
			60.90 - 60.95 m 5 cm section of sharpstone conglomerate															
			61.50 - 73.20 m Mainly sharpstone conglomerate with minor py.															
			61.8 - 62.3 m blurred interbedding of Trbbx and the same grey material as in 60.15-61.5 m															
			64.7 - 64.9 m Broken ground with limonite on fracture surfaces.															
73.20	76.55	Trbs	Sharpstone conglomerate grades quickly down hole to finer grained seds (siltstone).															
			General light grey/green appearance. Non-calcareous. Minor late cc stringers. Non-mag.															
			74.12 - 74.33 m Significant fault zone at 50°, with 6" grey gouge zone.															
			@ 76.55 m contact with argillite below, at 30°															
76.55	114.91	Trba	Variably medium to dark grey graphitic argillite with convoluted and choppy foliation persisting															
			throughout. Siliceous and only slightly calcareous. Non mag. Generally blocky ground.															
			Sulfides throughout, minor to 3%, as fracture filling. Quite high in graphite, some scattered															
			chlorite alt'n, esp on fracture surfaces. Take one random sample of this unit, for geochem.															
			Numerous fault planes with strong graphite.															
			80.5 - 80.55 m Broken ground with multiple cc stringers															
			~ 82.20 - 84.50 m Sections of lighter green, coarser grained mudstone to pebble sized seds.															
			85.80 - 86.00 m Fault zone, broken ground.															
			87.00 - 87.15 m Fault zone, broken ground.															
			87.10 - 90.20 m Coarser mudstone, with 10 cm section at 89 m of typical green sharpstone															
			100.70 m Bedding(?) at 45°															
			106.5 m Bedding and cc vnlts at ~ 40°															
				28393	108.00	109.00	1.00	0.01	--	--	0.2	56	<2	164	138	<5	<3	5
			107.95 - 108.05 m Fault, broken ground and gouge															
			111.85 m Slickensides on fracture at 30°															
			112.00 m Slickensides on fracture at 45° (many other examples at scattered locs, various angles)															
114.91	EOH																	

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	4.57	8.23	2.39	3.66	65	3.66	1.59	43	SW
1	8.23	11.28	3.00	3.05	98	3.05	1.47	48	SW
1/2	11.28	14.33	3.05	3.05	100	3.05	2.48	81	SW
2/3	14.33	17.37	3.04	3.04	100	3.04	2.33	77	SW
3	17.37	20.42	2.90	3.05	95	3.05	1.01	33	MW
3/4	20.42	23.47	2.99	3.05	98	3.05	1.25	41	MW
4	23.47	26.52	3.05	3.05	100	3.05	2.55	84	SW
4/5	26.52	29.57	3.05	3.05	100	3.05	2.72	89	FR
5	29.57	32.61	3.04	3.04	100	3.04	2.57	85	FR
5/6	32.61	35.66	3.05	3.05	100	3.05	2.70	89	FR
6	35.66	38.71	3.05	3.05	100	3.05	2.58	85	FR
6/7	38.71	41.76	3.05	3.05	100	3.05	2.61	86	FR
7/8	41.76	44.81	3.05	3.05	100	3.05	1.87	61	FR
8	44.81	47.85	3.01	3.04	99	3.04	2.03	67	SW
8/9	47.85	50.90	3.02	3.05	99	3.05	2.11	69	FR
9	50.90	53.95	3.05	3.05	100	3.05	1.96	64	SW
9/10	53.95	57.00	3.05	3.05	100	3.05	2.75	90	FR
10	57.00	60.05	3.05	3.05	100	3.05	2.09	69	FR
10/11	60.05	63.09	3.01	3.04	99	3.04	1.11	37	FR
11/12	63.09	66.14	3.05	3.05	100	3.05	2.20	72	FR
12	66.14	69.19	3.05	3.05	100	3.05	1.91	63	FR
12/13	69.19	72.24	3.05	3.05	100	3.05	1.65	54	FR
13	72.24	75.29	2.99	3.05	98	3.05	1.61	53	FR
13/14	75.29	78.33	3.04	3.04	100	3.04	2.44	80	FR
14	78.33	81.38	3.05	3.05	100	3.05	2.27	74	FR
14/15	81.38	84.43	3.05	3.05	100	3.05	1.49	49	FR
15/16	84.43	87.48	3.05	3.05	100	3.05	1.44	47	FR
16	87.48	90.53	3.05	3.05	100	3.05	2.03	67	FR
16/17	90.53	93.57	3.04	3.04	100	3.04	1.84	61	FR
17	93.57	96.62	3.05	3.05	100	3.05	1.42	47	FR
17/18	96.62	99.67	3.05	3.05	100	3.05	2.09	69	FR
18	99.67	102.72	3.05	3.05	100	3.05	1.89	62	FR
18/19	102.72	105.77	3.05	3.05	100	3.05	2.44	80	FR
19/20	105.77	108.81	3.04	3.04	100	3.04	1.30	43	FR
20	108.81	111.86	3.05	3.05	100	3.05	1.67	55	FR
20/21	111.86	114.91	3.05	3.05	100	3.05	2.43	80	FR

AREA: **Battle Zone**
HOLE: **KRR 08-9**

Collar UTM Easting: **383890**
Northing: **5438296**
Grid Easting:
Northing:
Purpose: **To test mineralization seen in PX-91-11 (and along road) on strike to E**

Azimuth: **210**
Dip: **-50**
Depth: **200.25 m**
Elevation: **1469 m**

Started: **24-Jun-08**
Completed: **26-Jun-08**
Drilled by: **More Core Drilling**
Logged by: **J. Lucke**
Operator: **Kettle River Resources Ltd.**
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)
Note: All angles listed in log are with respect to core axis.

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	1.52	Casing															
1.52	5.15	Ei	Medium grained, pink to grey syenitic intrusive with 50% pink Kspar, 30% mafics and														
			20% plag.														
			1.52 - 3.0 m Highly fragmented, fresh surfaces scarse.														
			3.50 - 4.20 m Badly fragmented, oxidized with high limonite content.	28441	1.52	5.15	3.63	0.04	--	<0.1	4	<2	53	10	<5	<3	2
				28442	5.15	6.40	1.25	0.03	--	<0.1	4	<2	57	29	<5	<3	2
5.15	58.24	Trbbx	Hematitic sharpstone conglom - maroon to dark green colour. Localy patchy qtz veins and														
			flooding. Narrow green sst interbeds with well developed bedding at 30° (LC).														
			Sharpstone conglomerate - typically grey-green-pink composite of angular and subangular	28394	BLANK			0.01	--	<0.1	21	23	77	36	<5	<3	18
			fragments, generally 1-4 mm, but with sections of larger or smaller fragments. Frags include	28395	6.40	9.40	3.00	0.01	--	<0.1	5	<2	50	<5	<5	<3	3
			chert, limestone, finer siliceous and calcareous seds and fine to medium grained intrusives.														
			Non mag. Only minor py. Considerable secondary hematite coating fractures in scattered														
			locations. Generally highly siliceous/hard. Mod calcareous, esp in and around limonitic zones.														
			5.5 - 5.7 m cc bx stockwork														
			7.10 - 7.30 m limonite fracture at 20°														
			7.60 - 7.80 m Broken ground with limonite														
			9.25 - 9.50 m Broken ground with limonite														
			10.25 - 10.30 m cc lense adjacent to 30° limonitic fracture	28396	9.40	12.40	3.00	0.02	--	<0.1	2	<2	57	<5	<5	<3	2
				28397	12.40	15.40	3.00	0.01	--	<0.1	2	<2	54	<5	<5	<3	2
			11.20 m fracture with limonite	28398	15.40	18.40	3.00	0.01	--	<0.1	1	<2	47	<5	<5	<3	1
				28399	18.40	21.40	3.00	0.02	--	<0.1	2	<2	38	<5	<5	<3	2
			13.05 m - 13.15 m cc lense	28400	STD	PM 411		0.98	--	0.8	32	22	169	2241	199	<3	7
				28401	21.40	24.40	3.00	0.02	--	<0.1	19	<2	35	17	<5	<3	2
			14.00 m bedding at 20°	28402	24.40	27.40	3.00	0.06	--	<0.1	94	<2	47	41	<5	<3	2
				28403	27.40	30.40	3.00	0.02	--	<0.1	20	<2	44	17	<5	<3	2
			16.20 m 5 cm cc lense	28404	30.40	33.40	3.00	0.05	--	<0.1	1	<2	32	5	<5	<3	1
				28405	33.40	36.40	3.00	0.01	--	<0.1	2	<2	33	7	<5	<3	1
			18.40 - 19.40 m Fault zone at low core angle 0 - 20°, with limonitic fracturing and cc infilling	28406	36.40	37.40	1.00	0.02	--	<0.1	13	<2	40	<5	<5	<3	2
				28407	37.40	37.70	0.30	2.25	2.26	2.4	1443	7	76	166	<5	<3	5
			20.0m, 20.35 m, 20.55 m limonitic fractures	28408	37.70	38.30	0.60	0.14	--	<0.1	30	<2	38	12	<5	<3	2
				28409	38.30	40.50	2.20	0.01	--	<0.1	10	<2	38	<5	<5	<3	2
			22.40 - 22.60 m limonite-rich zone	28410	BLANK			0.01	--	<0.1	3	14	70	11	<5	<3	9
				28411	40.50	42.50	2.00	0.06	--	<0.1	85	<2	38	23	<5	<3	2
			23.00 - 23.45 m limonite-rich zone	28412	42.50	43.50	1.00	0.02	--	<0.1	8	<2	32	12	<5	<3	2
				28413	43.50	44.50	1.00	0.02	--	<0.1	3	<2	31	13	<5	<3	2

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			25.17 - 27.08 m Trmd. Pale-dark grey fine grained dyke, locally bleached, cuts sharpstone at 60°.	28414	44.50	45.50	1.00	0.01	--	<0.1	3	<2	24	8	<5	<3	2
			25.31 m Rusty 2 cm fault zone														
			29.15 m Rusty limonitic fracture at 40°														
			33.68 m 2 cm limonitic fault														
			37.4 - 38.3 m Bleached fault zone, very fragmented, high pyrite content in vicinity of 37.6 m,														
			including 2 cm massive py vein. Narrow gouge zones.														
			42.15 - 44.40 m Bleached zone, with faulting and limonite, especially 42.5 - 43.5 m, py 1-2%.														
			Mod Fe ox fracts, mod pervasive clay alteration.														
			44.95 - 45.42 m Fine grained bleached Trmd (andesite?) dyke with bleached contacts, non-magnetic	28415	45.50	47.20	1.70	0.01	--	<0.1	3	<2	30	7	<5	<3	<1
				28416	47.20	48.20	1.00	0.07	--	0.4	408	<2	83	22	<5	<3	2
			48.2 - 48.6 m Qtz-py breccia/flood zone at 45°. 40% semi-massive py, minor blebby cpy.	28417	48.20	48.60	0.40	5.56	5.40	18.3	6070	378	7620	405	<5	<3	6
				28418	48.60	49.60	1.00	0.13	--	<0.1	58	<2	82	36	<5	<3	2
			49.3 - 49.65 m Fragmented, powdery white non-calc mineral (talc? gypsum?), limonite, minor py	28419	49.60	52.60	3.00	0.02	--	<0.1	13	<2	47	9	<5	<3	2
			49.65 m 4" qtz-sulfide zone, as in 48.2 - 48.6 m (LC)														
				28420	STD	PM 411		0.98	--	0.8	31	22	172	2291	181	<3	7
			55.2 - 55.8 m Fault zone. Highly fragmented, with considerable limonite.	28421	52.60	55.60	3.00	0.02	--	<0.1	5	<2	38	12	<5	<3	2
				28422	55.60	58.24	2.64	0.03	--	<0.1	9	<2	50	34	<5	<3	2
			56.80 - 57.00 m Fine grained bleached dyke, as above. Soft white mineral (talc? gypsum?) on														
			fracs.														
			57.0 - 57.5 m Fault zone - highly fragmented.														
			58.24 m Contact at 45°														
58.24	64.50	Ei	Medium grained, dark grey, moderately magnetic, fresh Ei dyke (monzodior).	28423	58.24	61.37	3.13	0.07	--	<0.1	34	<2	77	17	<5	<3	3
				28424	61.37	64.50	3.13	0.01	--	<0.1	37	<2	79	<5	<5	<3	4
			58.25 - 59.20 m Fault zone, broken ground with high limonite. Ei is non-mag in fault.														
			64.50 intrusive contact at ~ 90°														
64.50	86.50	Trbbx	Sharpstone conglom, as above. Grey-green-pink angular-sub ang frags to 4 cm, but typically	28425	64.50	67.50	3.00	0.06	--	<0.1	60	<2	50	39	<5	<3	3
			2-10 mm. Pyrite 1-3% but concentrations to 5% ie. 65.6 m, 66.2m, 66.7 m, 67.3 m, 68.8 m.	28426	67.50	70.50	3.00	0.04	--	<0.1	126	<2	38	12	<5	<3	2
			Cpy bleb at 68.3 m.	28427	70.50	73.50	3.00	0.02	--	<0.1	58	<2	35	6	<5	<3	1
				28428	73.50	76.50	3.00	0.02	--	<0.1	32	<2	42	15	<5	<3	2
			69.85 - 71.80 m Fault zone, fractured, rusty.	28429	76.50	79.50	3.00	0.03	--	<0.1	45	<2	39	<5	<5	<3	1
				28430	BLANK			0.01	--	<0.1	3	20	63	11	<5	<3	5
			76.20 m limonitic fracture at 30°	28431	79.50	82.50	3.00	0.03	--	<0.1	42	<2	45	13	<5	<3	2
				28432	82.50	86.10	3.60	0.03	--	<0.1	35	<2	43	22	<5	<3	2
			78.30 - 78.35 m limonitic fault zone														
			~ 80 - 82 m Many fractures with limonite.														
			86.1 - 86.5 m Fault zone at contact between Trbbx above and Trbv below. Extremely fragmented,														
			gougy, limonite-rich.														
86.50	200.25	Trbv	Dark grey-green, fine grained to aphanitic, massive, homogeneous weak-mod chlorite altered														

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			siliceous greenstone, cut by numerous (5-10%) hairline to mm scale cc (and lesser qtz) vnlt														
			stockwork. Minor sulfide vnlts and minor larger cm-scale qtz vns.														
			Fine fsp < 1mm in scattered locations.	28433	86.10	86.50	0.40	0.02	--	<0.1	47	<2	75	22	<5	<3	2
				28434	86.50	88.50	2.00	0.03	--	<0.1	103	<2	65	9	<5	<3	2
			86.5 - 105.9 m Moderate to strong qtz-cc stockwork zone with ~ 10% qtz-cc vnlts. Continues	28435	88.50	91.50	3.00	0.01	--	<0.1	17	<2	58	<5	<5	<3	1
			below this interval but is less strong (LC)	28436	91.50	94.50	3.00	0.01	--	<0.1	64	<2	64	<5	<5	<3	3
				28437	94.50	97.50	3.00	0.01	--	<0.1	51	<2	52	8	<5	<3	2
			87.8 - 87.90 m 10% py	28438	97.50	100.50	3.00	0.01	--	<0.1	63	<2	74	11	<5	<3	2
				28439	100.50	103.50	3.00	0.01	--	<0.1	47	<2	63	17	<5	<3	2
			88.5 - 88.6 m broken ground, limonitic	28440	STD	PM 411		0.99	--	0.8	31	22	167	2228	212	<3	7
				28443	103.50	105.50	2.00	0.01	--	0.4	80	36	96	144	<5	<3	2
			91.7 - 91.88 m Fault zone, broken ground, Fe ox fault zone at 30°	28444	105.50	105.90	0.40	0.31	--	4.1	235	600	858	77	<5	<3	6
				28445	105.90	107.90	2.00	0.01	--	<0.1	90	<2	57	15	<5	<3	2
			104.7 Minor fault gouge at 45°	28446	107.90	109.90	2.00	0.01	--	<0.1	40	4	47	6	<5	<3	2
			105.5 - 105.9 m White quartz vein with 10-20% py (+ po?), as irreg bands and vnlts within qtz.														
			Common chl fracs.														
			107.15 - 107.4 m 0.5 cm fault gouge at 15°														
			110.05 m 0.5 cm qtz vein at 45°														
			111.15 m 0.5 cm qtz vein at 45°														
			Note: core has become very competent by ~ 108 m and has RQD in excess of 80% (with 1 or 2														
			local exceptions) and some core lengths > 1 m. This carries through to ~ 163 m.														
			122.4 m Fracture at 60° with 2 mm cc xtals														
			129.2 m 2" qtz-sulfide vein, with mod Fe ox (LC)														
			129.65 m Minor fault with gouge and limonite at 40°														
				28447	127.24	130.24	3.00	0.01	--	<0.1	12	<2	26	<5	<5	<3	1
			130.24 - 131.04 m >> siliceous zone. V hard. Pale green/purple, as opposed to surrounding	28448	130.24	131.04	0.80	0.01	--	<0.1	19	<2	19	<5	<5	<3	<1
			dark green. Minor py.	28449	131.04	134.04	3.00	0.01	--	<0.1	89	<2	42	<5	<5	<3	2
				28450	BLANK			0.01	--	<0.1	4	15	72	7	<5	<3	5
			137.10 - 139.70 Fault zone. Significant fault zone, bleached, perv clay alt'd, rotten cc veins to 2 cm	28451	134.04	137.04	3.00	0.01	--	<0.1	22	<2	54	<5	<5	<3	2
			and gouge at 30° 137.4 - 137.9 m. This fault is flanked by smaller gougy features at 137.2 m,	28452	137.04	138.04	1.00	0.01	--	<0.1	48	<2	60	11	<5	<3	3
			138.0 m, 138.5 m, 138.8 m + an additional fault with limonite 139.25 - 139.30 m.	28453	138.04	139.70	1.66	0.01	--	<0.1	44	<2	56	<5	<5	<3	2
				28454	139.70	141.70	2.00	0.01	--	<0.1	9	<2	31	<5	<5	<3	3
			144.40 m 3.5 cm qtz vein at 80°, cut by 1 cm cc veint ~ parallel to core axis														
				28455	147.40	149.40	2.00	0.01	--	<0.1	17	<2	33	13	<5	<3	3
			149.4 - 151.00 Fault zone. Extreme faulting/fragmentation. Zone of strong, pale grey, epithermal	28456	149.40	151.00	1.60	0.02	--	<0.1	16	<2	26	48	<5	<3	2
			silica flood/breccia zone at 30°. Frequent gouge zones.														
			Breccia frags typically 1 mm - 1 cm. Individual loose pieces of cc to 5 cm. Altered	28457	151.00	153.00	2.00	0.02	--	<0.1	70	<2	34	20	<5	<3	2
			and bleached to pale grey. Presence of limonite, including considerable gouge in vicinity	28458	153.00	155.00	2.00	0.02	--	<0.1	142	<2	35	20	<5	<3	2
			of 150.6 m. Minor py.														
			~ 151 - 154.5 m Intermittent very fine grained py, 1-2% overall.														
			154.24 - 154.36 m Fault zone with epithermal bx zone as in 149.4 - 151.0m, at 40°. Also cc gouge														
			and minor limonite.														
			155.25 - 155.50 m 2 cm qtz and cc vein at ~ 20°														
			156.6 - 156.65 m Parallel 2 cm qtz and 2 cm cc veins, 5 cm apart, at 45°. Gradually increasing														

DOMINANT			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			qtz/cc stockwork, with multiple stringers.														
			161.2 m 2 cm qtz and cc vein at 45°														
			170.7 - 171.2 m irregular zone of high qtz/cc veining (to 50%), roughly parallelling core axis														
			for about 40 cm														
			173.75 - 173.85 m high cc, minor brecciation														
			177.0 m 1 cm cc vein at 45°														
			178.0 - 200.25 m cc stringer stockwork zone increases from ~ 10% above, to ~ 15% in this														
			interval (to end of hole)														
			179.7 m "dirty" 3 cm qtz vein at 50°														
			184.65 - 184.85 m ~ 50-75% epidote														
			~ 186.0 - 186.7 m microdioritic appearance														
			190.8 - 191.1 m Fault zone. Fragmented, high chlorite, slickensides	28459	192.20	193.20	1.00	0.01	--	<0.1	51	<2	23	8	<5	<3	2
				28460	STD	PM 411		0.98	--	0.8	32	21	168	2201	213	<3	7
			193.2 - 193.3 m Qtz veining at 50-60° with 10% py (+po?), minor cpy	28461	193.20	193.30	0.10	0.02	--	<0.1	408	<2	27	35	<5	<3	3
				28462	193.30	194.30	1.00	0.01	--	<0.1	10	<2	13	9	<5	<3	1
			199.17 - 199.33 m Fault zone. Highly fragmented, white gougy calcite, brecciated.														
			Gouge/tectonic bx, 70°.														
200.25	EOH																

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	1.52	2.13	0.25	0.61	41	0.61	0.00	0	MW
1	2.13	5.18	2.65	3.05	87	3.05	0.92	30	MW
1/2	5.18	8.23	2.99	3.05	98	3.05	1.90	62	SW
2	8.23	11.28	2.99	3.05	98	3.05	2.54	83	SW
2/3	11.28	14.33	3.05	3.05	100	3.05	2.59	85	SW
3	14.33	17.37	3.04	3.04	100	3.04	2.77	91	SW
3/4	17.37	20.42	3.05	3.05	100	3.05	2.30	75	SW
4	20.42	23.47	3.02	3.05	99	3.05	2.30	75	SW
4/5	23.47	26.52	3.05	3.05	100	3.05	2.99	98	FR
5	26.52	29.57	3.05	3.05	100	3.05	2.62	86	FR
5/6	29.57	32.61	3.04	3.04	100	3.04	2.83	93	FR
6/7	32.61	35.66	3.05	3.05	100	3.05	2.64	87	FR
7	35.66	38.71	3.02	3.05	99	3.05	1.94	64	FR
7/8	38.71	41.76	3.05	3.05	100	3.05	2.45	80	FR
8	41.76	44.81	2.90	3.05	95	3.05	1.02	33	SW
8/9	44.81	47.85	3.04	3.04	100	3.04	2.60	86	FR
9	47.85	50.90	3.02	3.05	99	3.05	1.58	52	FR
9/10	50.90	53.95	3.05	3.05	100	3.05	2.54	83	FR
10/11	53.95	57.00	2.99	3.05	98	3.05	2.49	82	SW
11	57.00	60.05	2.99	3.05	98	3.05	1.57	51	MW
11/12	60.05	63.09	3.04	3.04	100	3.04	2.49	82	FR
12	63.09	66.14	3.05	3.05	100	3.05	2.66	87	FR
12/13	66.14	69.19	3.05	3.05	100	3.05	2.90	95	FR
13	69.19	72.24	3.02	3.05	99	3.05	1.49	49	MW
13/14	72.24	75.29	3.05	3.05	100	3.05	2.45	80	FR
14	75.29	78.33	3.04	3.04	100	3.04	2.69	88	FR
14/15	78.33	81.38	3.05	3.05	100	3.05	1.59	52	SW
15	81.38	84.43	3.05	3.05	100	3.05	2.49	82	FR
15/16	84.43	87.48	2.90	3.05	95	3.05	1.70	56	SW
16/17	87.48	90.53	3.05	3.05	100	3.05	2.05	67	FR
17	90.53	93.57	3.01	3.04	99	3.04	2.41	79	SW
17/18	93.57	96.62	3.05	3.05	100	3.05	2.70	89	FR
18	96.62	99.67	3.05	3.05	100	3.05	2.53	83	FR
18/19	99.67	102.72	3.05	3.05	100	3.05	2.86	94	FR
19	102.72	105.77	3.05	3.05	100	3.05	2.61	86	FR
19/20	105.77	108.81	3.04	3.04	100	3.04	2.18	72	FR
20	108.81	111.86	3.05	3.05	100	3.05	2.68	88	FR
20/21	111.86	114.91	3.05	3.05	100	3.05	2.72	89	FR
21/22	114.91	117.96	3.05	3.05	100	3.05	3.02	99	FR
22	117.96	121.01	3.05	3.05	100	3.05	2.83	93	FR
22/23	121.01	124.05	3.04	3.04	100	3.04	2.83	93	FR
23	124.05	127.10	3.05	3.05	100	3.05	2.61	86	FR
23/24	127.10	130.15	3.05	3.05	100	3.05	2.73	90	FR
24	130.15	133.20	3.05	3.05	100	3.05	2.60	85	FR
24/25	133.20	136.25	3.05	3.05	100	3.05	2.76	90	FR
25	136.25	139.29	2.98	3.04	98	3.04	2.10	69	SW
25/26	139.29	142.34	3.05	3.05	100	3.05	2.43	80	FR
26/27	142.34	145.39	3.05	3.05	100	3.05	2.91	95	FR
27	145.39	148.44	3.05	3.05	100	3.05	2.88	94	FR
27/28	148.44	151.49	2.90	3.05	95	3.05	1.33	44	MW
28	151.49	154.53	3.04	3.04	100	3.04	2.44	80	FR
28/29	154.53	157.58	3.05	3.05	100	3.05	2.53	83	FR
29	157.58	160.63	3.05	3.05	100	3.05	2.46	81	FR
29/30	160.63	163.68	3.05	3.05	100	3.05	2.52	83	FR
30	163.68	166.73	3.05	3.05	100	3.05	2.38	78	FR
30/31	166.73	169.77	3.04	3.04	100	3.04	2.23	73	FR
31	169.77	172.82	3.05	3.05	100	3.05	2.20	72	FR
31/32	172.82	175.87	3.05	3.05	100	3.05	2.00	66	FR
32/33	175.87	178.92	3.05	3.05	100	3.05	2.05	67	FR
33	178.92	181.97	3.05	3.05	100	3.05	2.16	71	FR
33/34	181.97	185.01	3.04	3.04	100	3.04	2.69	88	FR
34	185.01	188.06	3.05	3.05	100	3.05	2.12	70	FR
34/35	188.06	191.11	3.05	3.05	100	3.05	1.99	65	FR
35/36	191.11	194.16	3.05	3.05	100	3.05	2.23	73	FR
36	194.16	197.21	3.05	3.05	100	3.05	2.47	81	FR
36/37	197.21	200.25	3.04	3.04	100	3.04	2.48	82	FR

AREA: Battle Zone
HOLE: KRR 08-10

Collar UTM Easting: 383890
Northing: 5438296
Grid Easting:
Northing:
Purpose: To test same section as KRR 08-9 in steeper hole.

Azimuth: 210
Dip: -70
Depth: 142.34
Elevation: 1469 m

Started: 26-Jun-08
Completed: 27-Jun-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Note: All angles listed in log are with respect to core axis.

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	2.13	Casing															
2.13	4.23	Ei	Medium grained, medium grey to pink syenitic intrusive. 1 mm white fstp (20%) in fg matrix	28463	BLANK			0.04	--	0.1	4	8	71	7	<5	<3	3
			of mainly pink Kspar and mafics. Generally broken ground. Especially broken and limonitic	28464	2.13	4.23	2.10	0.05	--	<0.1	3	<2	88	<5	<5	<3	2
			from 3.6 - 4.23 m (fault?)														
4.23	54.21	Trbbx	Typical fine to medium hematitic sharpstone conglomerate. Grey-green-maroon colour, v minor														
			patchy py and minor late cc vnlts. Weakly oxidized. Minor interbedded mudstone beds at														
			45°. Angular and subangular 1-10 mm clasts generally, but up to 30 mm. Frags are pink, grey,														
			green. Highly siliceous, varies from slightly to moderately calcareous. Non magnetic.														
			4.43 m 1 cm py blebs	28465	4.23	6.23	2.00	0.02	--	<0.1	2	<2	55	<5	<5	<3	2
				28466	6.23	8.23	2.00	0.06	--	<0.1	1	<2	50	<5	<5	<3	3
			6.5 m bedding at 35°														
			~ 7.5 - 30 m epidote altered, 5-10% epidote														
			20.95 - 21.55 m zone of bleached finer material, mainly < 3 mm. Limonitic fracture at 21.2 m at 45°														
			25.4 - 25.6 m several 2 mm fractures with rotten cc, at 45°														
				28467	25.25	27.25	2.00	0.07	--	0.1	27	<2	51	17	<5	<3	2
			27.25 - 27.70 m chloritic fracture filling with py, to 1 cm, at 45°. Py 25% locally and 1-5% overall.	28468	27.25	27.70	0.45	0.45	--	0.1	23	<2	39	107	<5	<3	2
			Bleached to pale green and pink.	28469	27.70	29.70	2.00	0.03	--	<0.1	13	<2	52	15	<5	<3	2
				28470	STD	PM 411		1.01	1.00	1.1	34	21	166	2210	279	<3	7
			27.75 - 28.05 m bleached and altered fractures, limonite and rotten cc.														
			36.8 m limonitic fracture at 50°														
			37.0, 37.2 m minor py on fractures														
			38.7 - 39.1 m several fractures at varying angles, with 1-2 mm rotten cc														
				28471	39.15	41.15	2.00	0.05	--	0.1	21	<2	64	17	<5	<3	2
			41.15 - 41.85 m qtz-pyrite zone, with semi-massive (5-25%) pyrite	28472	41.15	41.85	0.70	3.19	3.19	1.3	578	<2	78	362	<5	<3	12
				28473	41.85	42.55	0.70	0.03	--	0.1	367	<2	48	8	<5	<3	1
			42.55 - 42.75 m semi-massive pyrite, 20% overall	28474	42.55	42.75	0.20	1.38	1.38	2.3	1525	<2	94	2607	<5	<3	2
				28475	42.75	44.27	1.52	0.13	--	0.1	78	<2	37	59	<5	<3	2
			43.55 m limonitic fracture at 60°	28476	44.27	47.27	3.00	0.08	--	0.2	21	<2	40	45	<5	<3	3
				28477	47.27	49.27	2.00	0.19	--	0.2	111	<2	69	35	<5	<3	2
			43.75 m 2 cm zone of 20% py	28478	49.27	49.77	0.50	6.53	6.33	14.7	4169	78	649	589	5	<3	4
				28479	49.77	50.92	1.15	0.07	--	0.2	47	<2	261	41	<5	<3	3
			44.0 - 44.45 m Strong pervasive limonite + 2 cm linonite fracture at 40°. Minor vuggy texture	28480	BLANK			0.03	--	0.1	7	12	75	<5	<5	<3	3
				28481	50.92	52.92	2.00	0.02	--	0.1	10	<2	47	9	<5	<3	2
			49.27 - 49.77 m Quartz-py zone at 70-80° with up to 50% semi-massive banded py. Unidentified														
			grey metallic mineral (poss moly or graphite?). Limonitic fracturing ~ 49.5 m.														

DOMINANT From (m)	To (m)	Lithology	DESCRIPTION	SAMPLE Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			49.77 - 50.92 m Bleached, pale green fg andesite dyke														
			53.57 - 53.66 m Bleached clay altered zone at 50°. White-pale grey, banded, soft, Fe ox fracs, bx'd.														
54.21	66.30	Ei	Massive fresh fine grained equigranular moderately magnetic Ei monzodiorite dyke cuts														
			sharpstone conglomerate. Upper contact is irregular intrusive contact, lower contact is														
			V str pervasive Fe ox alt'n in broken fault zone.														
			Generally dark grey appearance with 40% dark pink Kspar, 30% plag, 30% mafics.														
			64.0 m 2 mm fracture with rotten cc at 30°														
			64.72 - 66.30 m Fault zone. Brown weathered zone, high in limonite. Highly fractured and	28482	64.84	67.84	3.00	0.24	--	0.2	75	<2	77	27	<5	<3	2
			broken, 64.90 - 65.70 m.														
66.30	68.84	Trbbx	Sharpstone conglomerate but >> coarser grained than above. Fragments are not crisp as above														
			but have rather blurred boundaries. Generally light grey and somewhat oxidized with local														
			limonite. Locally up to 10% py.														
			67.35 - 68.84 m Strong fault zone at contact with gst below. Str Fe-ox, broken. Fracture with														
			limonite at 35° forms Trbbx/Trbv boundary.														
68.84	142.34	Trbv	Medium to dark grey-green, massive, fine grained to aphanitic greenstone. Moderately	28483	67.84	70.84	3.00	0.02	--	0.1	126	<2	74	34	<5	<3	2
			calcareous and siliceous throughout. 10-15% qtz/cc stringer/veinlet stockwork zone	28484	70.84	73.84	3.00	0.01	--	<0.1	86	<2	70	15	<5	<3	2
			throughout. Generally minor py, up to 1-3% py from ~ 68.9 - 72.0 m, then diminishing.														
			Non magnetic.														
			73.3 - 74.6 m Silicified zone, pale grey bleached look, with up to 10% py, including blebs to 2 cm														
			Includes 30 cm fault zone at 73.3 m.														
			73.95 - 74.25 m extremely fragmented.														
			76.05 - 76.20 m Fault zone. Extreme fragmentation with minor gouge present.														
			80.00 - 80.15 m Very fine grained, medium grey, homogeneous tuff (?) Mod magnetic, mod														
			calcareous. Minor dissem py. Upper contact is very irregular, lower contact is sharp contact														
			at 80°.														
				28485	86.79	88.79	2.00	0.01	--	<0.1	37	<2	50	9	<5	<3	2
			91.75 m very minor cpy blebs	28486	88.79	89.85	1.06	0.02	--	0.1	22	<2	81	11	<5	<3	3
				28487	89.85	91.70	1.85	0.01	--	<0.1	106	<2	48	8	<5	<3	1
			91.90 m py blebs to 1 cm	28488	91.70	91.90	0.20	0.03	--	0.6	1215	<2	50	6	<5	<3	1
				28489	91.90	93.45	1.55	0.01	--	<0.1	181	<2	39	<5	<5	<3	<1
			93.45 - 93.78 m qtz flood zone at 55°, 1-2 % py	28490	STD	PM 411		1.01	1.01	1.1	34	21	170	2243	209	<3	7
				28491	93.45	93.78	0.33	0.01	--	<0.1	8	<2	44	28	<5	<3	2
			96.40 - 97.40 m qtz flood zone with increased qtz-cc stockwork veinlets, ~ 30%	28492	93.78	95.78	2.00	0.01	--	0.1	107	<2	48	17	<5	<3	2
			~ 98.0 - 98.9 m Fault, nearly parallel to core axis														
			~ 100.0 - 100.3 m multiple 1 cm cc filled fractures in many directions, but predominantly														
			parallel to core axis														

DOMINANT			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			~ 101 - 111 m increased qtz - cc stockwork zone, ~ 15%, hairline to 2 mm and occassionally														
			vnlts to 5 mm, in random directions														
			@ 111.2 m is 0.5+ m fault zone with tectonic bx and gouge, at 70°														
			114.97 - 116.58 m very fine grained, grey, homogeneous tuff(?). Mod magenetic, mod														
			calcareous. cc veining substantially reduced and only ~ 5% in this section. Sharp upper														
			and lower contacts at 45° and 30° respectively.														
			~ 121.1 - 121.7 m Veins to 3 cm of massive xtalline cc														
			123.7 m Freckled pattern of white < 1 mm grain (cc?), aligned at 45°. Possible bedding feature?														
				28493	123.80	125.80	2.00	0.01	--	0.1	37	<2	54	<5	<5	<3	2
			125.9 - 126.1 m 1-3% py	28494	125.80	126.20	0.40	0.01	--	<0.1	116	<2	46	5	<5	<3	2
				28495	126.20	128.20	2.00	<0.01	--	0.1	127	<2	39	<5	<5	<3	2
			132.89 - 134.02 m very fine grained, calcareous, medium grey, homogeneous tuff (?), slightly														
			magnetic. Sharp contacts - upper, undetermined; lower at 45°														
			135.0 m narrow fault zone with slickensides														
			136.2 m 1 cm qtz vein at 45°, minor py														
			138.23 m 1 cm qtz vein at 45°														
			141.48 m 1 cm qtz vein at 45°														
142.34 m	EOH																

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	2.13	5.18	2.99	3.05	98	3.05	1.57	51	SW
1/2	5.18	8.23	3.05	3.05	100	3.05	2.41	79	SW
2	8.23	11.28	3.05	3.05	100	3.05	2.44	80	SW
2/3	11.28	14.33	3.05	3.05	100	3.05	2.70	89	FR
3	14.33	17.37	3.04	3.04	100	3.04	2.59	85	FR
3/4	17.37	20.42	3.05	3.05	100	3.05	2.51	82	FR
4	20.42	23.47	3.05	3.05	100	3.05	2.39	78	FR
4/5	23.47	26.52	3.05	3.05	100	3.05	2.72	89	FR
5	26.52	29.57	3.05	3.05	100	3.05	2.42	79	FR
5/6	29.57	32.61	3.04	3.04	100	3.04	2.43	80	FR
6/7	32.61	35.66	3.05	3.05	100	3.05	2.66	87	FR
7	35.66	38.71	3.05	3.05	100	3.05	2.53	83	FR
7/8	38.71	41.76	3.05	3.05	100	3.05	2.08	68	FR
8	41.76	44.81	3.01	3.05	99	3.05	1.98	65	SW
8/9	44.81	47.85	3.04	3.04	100	3.04	2.55	84	FR
9	47.85	50.90	3.05	3.05	100	3.05	2.19	72	FR
9/10	50.90	53.95	3.05	3.05	100	3.05	2.43	80	FR
10/11	53.95	57.00	3.05	3.05	100	3.05	2.54	83	FR
11	57.00	60.05	3.05	3.05	100	3.05	2.63	86	FR
11/12	60.05	63.09	3.04	3.04	100	3.04	2.80	92	FR
12	63.09	66.14	2.99	3.05	98	3.05	1.71	56	MW
12/13	66.14	69.19	3.05	3.05	100	3.05	1.76	58	SW
13	69.19	72.24	3.05	3.05	100	3.05	2.42	79	FR
13/14	72.24	75.29	3.05	3.05	100	3.05	2.04	67	FR
14	75.29	78.33	3.04	3.04	100	3.04	2.77	91	FR
14/15	78.33	81.38	3.05	3.05	100	3.05	2.79	91	FR
15	81.38	84.43	3.05	3.05	100	3.05	2.62	86	FR
15/16	84.43	87.48	3.05	3.05	100	3.05	2.10	69	FR
16/17	87.48	90.53	3.05	3.05	100	3.05	2.33	76	FR
17	90.53	93.57	3.04	3.04	100	3.04	2.87	94	FR
17/18	93.57	96.62	3.05	3.05	100	3.05	2.46	81	FR
18	96.62	99.67	3.05	3.05	100	3.05	2.22	73	FR
18/19	99.67	102.72	3.05	3.05	100	3.05	2.70	89	FR
19	102.72	105.77	3.05	3.05	100	3.05	2.71	89	FR
19/20	105.77	108.81	3.04	3.04	100	3.04	2.37	78	FR
20	108.81	111.86	3.05	3.05	100	3.05	2.42	79	FR
20/21	111.86	114.91	3.05	3.05	100	3.05	2.47	81	FR
21/22	114.91	117.96	3.05	3.05	100	3.05	2.63	86	FR
22	117.96	121.01	3.05	3.05	100	3.05	2.71	89	FR
22/23	121.01	124.05	3.04	3.04	100	3.04	2.33	77	FR
23	124.05	127.10	3.05	3.05	100	3.05	2.54	83	FR
23/24	127.10	130.15	3.05	3.05	100	3.05	2.75	90	FR
24	130.15	133.20	3.05	3.05	100	3.05	2.88	94	FR
24/25	133.20	136.25	3.05	3.05	100	3.05	2.30	75	FR
25	136.25	139.29	3.04	3.04	100	3.04	2.98	98	FR
25/26	139.29	142.34	3.05	3.05	100	3.05	2.61	86	FR

AREA: Battle Zone
HOLE: KRR 08-11

Collar UTM Easting: 383725
Northing: 5438170
Grid Easting:
Northing:
Purpose: To test shear zone seen in adit (sample 50380 etc)

Azimuth: 210
Dip: -70
Depth: 209.98
Elevation: 1500

Started: 30-Jun-08
Completed: 3-Jul-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Note: All angles listed in log are with respect to core axis. **Core Size:** NQ2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	2.13	Casing																
2.13	80.25	Trbbx	Sharpstone conglomerate. Comprised of a variety of angular and subangular fragments,															
			including chert, limestone, altered seds and intrusives, ranging in size from mm to cm's with															
			considerable local variation though generally well sorted. Colour medium grey/green/purple															
			from distance but distinct fragments make a vari-coloured mosaic up close. Non mag.															
			Mod calcareous but diminished in oxidized zones. Generally quite siliceous and locally															
			enhanced where noted. Scattered secondary hematite on fracture surfaces. Very minor															
			pyrite thru most of section.															
			2.13 - 6.30 m Highly oxidized, broken ground, limonite-rich.	28496	BLANK			0.02	--	--	<0.1	3	5	73	8	<5	<3	4
				28497	2.13	4.13	2.00	0.01	--	--	<0.1	12	<2	39	<5	<5	<3	2
			6.30 - 80+ m Minor oxidation contineus by way of limonite on scattered fractures, as noted.	28498	4.13	6.13	2.00	0.02	--	--	<0.1	35	<2	65	9	<5	<3	1
				28499	6.13	7.80	1.67	0.01	--	--	<0.1	23	<2	35	<5	<5	<3	2
			7.80 m 6 cm x 2 cm purple qtz/chert? fragment	28500	STD	PM 411		0.98	--	--	1.0	30	16	159	2160	118	<3	6
				5001	7.80	8.10	0.30	0.01	--	--	<0.1	3	<2	31	8	<5	<3	2
			7.95 m 2, 2 cm py blebs in cc, possible cpy present	5002	8.10	9.60	1.50	0.01	--	--	<0.1	109	<2	40	<5	<5	<3	2
				5003	9.60	11.60	2.00	0.01	--	--	<0.1	32	<2	32	<5	<5	<3	2
			~ 12.2 m frags aligned at 45°	5004	11.60	14.60	3.00	0.01	--	--	<0.1	69	<2	35	<5	<5	<3	2
				5005	14.60	17.60	3.00	0.01	--	--	<0.1	14	<2	37	<5	<5	<3	1
			~ 17.6 - 17.90 + m (in vicinity) are several cpy blebs to 0.5 cm, py also present.	5006	17.60	18.10	0.50	0.04	--	--	0.3	666	<2	37	14	<5	<3	2
				5007	18.10	19.10	1.00	0.01	--	--	<0.1	23	<2	41	<5	<5	<3	2
			19.0 - 19.6 m Solid competent core, but with limonite discolouration	5008	19.10	22.10	3.00	0.01	--	--	<0.1	9	<2	39	<5	<5	<3	3
				5009	22.10	25.10	3.00	0.01	--	--	<0.1	8	<2	42	<5	<5	<3	2
			22.29 m limonitic fracture at 55°	5010	BLANK			0.01	--	--	<0.1	3	12	72	15	<5	<3	9
			23.27 - 23.36 m fractured limonitic zone															
			23.67 - 23.89 m fracture/fault at 20°, limonite on surface and pervasively altering conglomerate															
			for 2+/- cm adjacent to fracture															
			24.63 - 24.81 m brecciated, broken ground with limonite staining and rotten cc on fractures															
			28.53 - 28.65 m weathered limonitic zone at 45°	5011	25.10	27.10	2.00	0.01	--	--	<0.1	16	<2	49	<5	<5	<3	2
				5012	27.10	29.00	1.90	0.03	--	--	<0.1	70	<2	33	<5	<5	<3	3
			29.10 - 29.25 m brecciated limonitic zone with 1-3% py	5013	29.00	29.35	0.35	0.04	--	--	<0.1	59	<2	41	<5	<5	<3	2
				5014	29.35	32.35	3.00	0.03	--	--	<0.1	110	<2	34	10	<5	<3	2
			29.95 - 30.63 m broken limonitic zone	5015	32.35	35.15	2.80	0.02	--	--	<0.1	52	<2	36	5	<5	<3	2
				5016	35.15	35.45	0.30	0.45	--	--	2.0	517	<2	60	55	<5	<3	2
			~ 31.0 - 40.6 m zone of silica enrichment. Very hard.	5017	35.45	37.45	2.00	0.12	--	--	<0.1	84	<2	33	5	<5	<3	2
				5018	37.45	38.66	1.21	0.02	--	--	<0.1	54	<2	40	7	<5	<3	2
			35.25 - 35.30 m Drill has sliced through a lense of quartz which occupies ~ 25% of section and	5019	38.66	40.66	2.00	0.04	--	--	<0.1	157	<2	35	10	<5	<3	2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			contains ~ 10% py, specks of secondary hematite (narrow interval of semi-mass py).	5020	STD	PM 411		0.99	--	--	1.0	31	17	163	2066	126	<3	7
				5021	40.66	42.66	2.00	0.06	--	--	<0.1	66	<2	36	11	<5	<3	2
			36.40 - 36.65 m rusty and vuggy	5022	42.66	44.66	2.00	1.31	1.32	--	2.8	1447	77	134	47	<5	<3	3
				5023	44.66	45.17	0.51	1.25	1.21	--	2.8	180	153	184	170	<5	<3	7
			40.66 - 47.46 m V strong fault zone. Major oxidized zone with extreme fragmentation, very strong	5024	45.17	45.46	0.29	2.15	2.20	--	24.5	1837	274	574	240	<5	<3	8
			limonite - fractures and pervasive, in sheared, bx'd sharpstone. Localy strong chocolate-brown gossan zones. Local vuggy	5025	45.46	46.46	1.00	0.11	--	--	<0.1	84	<2	112	15	<5	<3	1
			open space from dissolution of material, almost zero cc.	5026	46.46	47.46	1.00	0.02	--	--	<0.1	23	<2	60	<5	<5	<3	3
			45.17 - 45.46 m quartz veining with 10-20% py and a black fine grained unidentified mineral,	5027	47.46	49.46	2.00	0.02	--	--	<0.1	7	<2	47	<5	<5	<3	2
			possibly a sulfide?	5028	49.46	52.46	3.00	0.01	--	--	<0.1	11	<2	46	11	<5	<3	3
				5029	52.46	55.46	3.00	0.01	--	--	<0.1	3	<2	44	<5	<5	<3	2
			50.90 - 51.20 m fragmented with limonite on fracture surfaces	5030	BLANK			0.05	--	--	<0.1	3	6	77	6	<5	<3	3
				5031	55.46	58.46	3.00	0.01	--	--	<0.1	22	<2	43	<5	<5	<3	1
			53.40 0.4 cm wide limonitic fracture at 30°															
			55.6 - 56.00 m Limonitic shear zone. High fragmentation.															
			59.5 m 0.5 cm cc/limonite fracture at 40°															
			64.60 - 64.70 m minor irregular cc veining and interstitial limonite patterning															
			66.0 m apparent bedding at 45°															
			67.93 - 68.16 m weathered, with presence of cc, silica, limonite															
			69.46 - 69.76 m Trbv? Fine grained, grey, homogenous tuffaceous interbed (or possible dyke?).															
			1 cm fault offset feature, 69.67 m, at 45°															
			71.60 - 72.20 m Fresh, grey, slightly magnetic Ei monzodiorite dyke, 20% euhedral fsp to 2 mm in															
			fine grained grey matrix															
			73.80 m distinct alignment of angular fragments, typically 0.5 - 1 cm, at 45°															
			~ 75 m Compositional change of Trbbx unit begins to appear, becomes typically 1-2 cm pink															
			Kspar frags in a finer grey gmass. One Kspar clast at 78.15 m is 10 cm across.															
80.25	86.89	Ei	Medium to dark grey, medium grained, mod magnetic, fresh Ei monzodiorite intrusive. Grain															
			size is typically 1 mm, up up to 3 mm locally. Appears to be ~ 30% Kspar, 50% plag, 20% mafics.															
			Infrequent minor fractures with limonite.															
			86.40 m, 86.65 m broken ground with limonitic fractures															
86.89	113.66	Trbbx	Dark grey to black matrix with angular/subangular variety of fragments, generally 1 mm - 1 cm															
			range, but locally to 3 cm. Pink/light grey/green appearance. Siliceous, moderately calcareous,															
			non magnetic.	5032	86.89	88.89	2.00	0.06	--	--	<0.1	91	<2	57	<5	<5	<3	4
				5033	88.89	90.70	1.81	0.01	--	--	<0.1	53	<2	46	<5	<5	<3	2
			90.7 - 93.8 m 1-3% py as interstitial and small blebs	5034	90.70	92.26	1.56	77.59	80.00	--	8.6	105	<2	49	66	<5	<3	2
				5035	92.26	93.82	1.56	0.08	--	--	<0.1	86	<2	49	147	<5	<3	2
			96.82 - 97.24 m Trbv? Grey fine grained tuff? or possible dyke, with 20% dark 1 mm phenos	5036	93.82	96.82	3.00	0.02	--	--	<0.1	104	<2	50	10	<5	<3	2
			in a lighter matrix. Slightly magnetic.	5037	96.82	97.24	0.42	0.01	--	--	<0.1	33	<2	65	<5	<5	<3	4
				5038	97.24	98.87	1.63	0.04	--	--	0.2	182	<2	52	39	<5	<3	2
			100.10 - 102.10 m Pyrite, 1-3% generally, but	5039	98.87	100.50	1.63	0.04	--	--	<0.1	51	<2	80	31	<5	<3	3

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			100.55 - 100.66 m massive py vein, ~ 50%	5040	BLANK			0.02	--	--	<0.1	6	13	74	9	<5	<3	5
			101.75 - 101.95 m seim-massive py, to ~ 30%, including 1 8x3 cm angular massive py frag (or	5041	100.50	100.70	0.20	9.44	9.70	--	10.6	2233	57	329	698	<5	<3	7
			replacement zone?).	5042	100.70	101.75	1.05	0.09	--	--	0.2	285	<2	139	92	<5	<3	3
			102.2 - 102.7 m Fe ox fault zone. Gossan/limonite zone	5043	101.75	101.95	0.20	0.04	--	--	4.3	430	<2	74	192	<5	<3	4
			~ 104 - 109 m minor limonite on scattered fractures	5044	101.95	103.95	2.00	0.10	--	--	<0.1	79	<2	44	11	<5	<3	2
			~ 109.5 - 110.0 m limonitic zone, generally orange/brown colouration	5045	103.95	105.95	2.00	0.01	--	--	<0.1	80	<2	40	<5	<5	<3	2
			110.25 - 110.42 m massive pyrite vein, ~ 50%	5046	105.95	108.22	2.27	0.05	--	--	<0.1	58	<2	39	<5	<5	<3	2
			110.42 - 110.62 m quartz veining with ~ 5% py - diss and vnlts	5047	108.22	110.22	2.00	0.03	--	--	<0.1	122	<2	43	10	<5	<3	2
			110.62 - 110.75 m pyrite persists, 2-5%	5048	110.22	110.42	0.20	0.01	--	--	3.8	200	<2	65	306	<5	<3	9
			111.75 - 111.86 m gouge zone	5049	110.42	110.62	0.20	0.47	--	--	0.3	367	<2	45	183	<5	<3	3
			111.86 - 113.66 m highly siliceous	5050	BLANK			0.01	--	--	1.4	4	11	68	7	<5	<3	6
				5051	110.62	111.75	1.13	3.59	3.64	--	1.6	82	<2	36	179	<5	<3	27
113.66	122.95	Trbv	Medium grey green, highly siliceous, fine grained, equigranular homogeneous cherty greenstone?	5052	111.75	111.86	0.11	3.89	4.02	1060.7	393.5	2616	32	874	144	<5	<3	10
			or microdiorite? non magnetic, non calcareous. Minor py, expect 2+ cm bleb at 116.97 m.	5053	111.86	113.66	1.80	0.24	--	--	1.4	349	<2	42	108	<5	<3	5
			Intermittent minor sections of Trbbx, though generally ill-defined.															
			117.85 - 117.99 m Fault - highly fragmented with rotten cc on fracs, narrow gouge zones.															
			117.98 - 122.95 m Generally very pale green with multiple random hairline fractures showing															
			darker chlorite alteration.															
122.95	136.25	Trbbx	Medium green variegated composite of angular and subangular fragments, fairly well sorted															
			and mainly 1 mm - 1 cm. Individual frags of various colours and rock types, quite siliceous,															
			mod calcareous. Non mag. Minor py in most places.															
			~ 125.5 - 125.7 m fracture at 20° with limonite and 1 mm euhedral cc															
			136.25 m is faulted contact with gouge, tectonic bx															
136.25	209.98	Trbv	Quick gradation from Trbbx above into grey/green fine grained homogeneous greenstone.															
			Occassionally siliceous, non-mag. Persisent qtz-cc stockwork zone throughout this section.															
			Veins are typically mm-cm scale irregular veins, that contain minor py and consistently															
			comprise 5% of interval, and locally ?? to 20%. Occassional larger veins as noted.	5054	134.25	136.25	2.00	0.01	--	--	1.1	16	<2	59	15	<5	<3	2
			Persistent py as fracture filling (+/- cc/qtz), blebs and finely dissem.	5055	136.25	138.25	2.00	0.07	--	--	<0.1	64	30	143	57	<5	<3	7
				5056	138.25	140.25	2.00	0.08	--	--	0.4	322	<2	43	43	<5	<3	12
			137.20 m 0.5 cm limonitic fracture at 40°	5057	140.25	141.25	1.00	0.11	--	--	0.2	168	<2	29	64	<5	<3	4
				5058	141.25	142.25	1.00	0.19	--	--	0.1	140	<2	37	43	<5	<3	6
			140.04 - 140.12 m stockwork qtz zone	5059	142.25	145.25	3.00	0.04	--	--	0.2	197	<2	43	32	<5	<3	4
				5060	STD	PM 411		0.99	--	--	1.0	30	16	162	2111	125	<3	7
			140.50 - 140.75 m qtz/cc stockwork zone with 5% py	5061	145.25	148.25	3.00	0.01	--	--	0.2	168	<2	37	22	<5	<3	3
				5062	148.25	151.00	2.75	0.04	--	--	0.2	135	<2	47	24	<5	<3	4
			142.0 - 142.23 qtz/cc stockwork zone	5063	151.00	151.50	0.50	0.09	--	--	2.0	1503	<2	58	33	<5	<3	4
				5064	151.50	152.10	0.60	0.06	--	--	0.7	526	<2	41	38	<5	<3	4
			145.05- 145.16 m coarse, dioritic looking but with 2-3 mm white cc and dark chlorite	5065	152.10	154.10	2.00	0.02	--	--	<0.1	122	<2	34	31	<5	<3	4
				5066	154.10	155.95	1.85	0.01	--	--	0.1	176	<2	32	20	<5	<3	5
			145.15 m slickensides on fracture at 45°	5067	155.95	157.95	2.00	0.05	--	--	0.4	358	<2	32	60	<5	<3	5
				5068	157.95	160.30	2.35	0.02	--	--	0.8	187	<2	48	21	<5	<3	6
			149.05 - 149.20 m stockwork breccia zone	5069	160.30	161.05	0.75	0.26	--	--	0.6	99	64	344	156	<5	<3	9
				5070	BLANK			0.01	--	--	<0.1	3	5	72	<5	<5	<3	6
			151.08 - 151.42 m highly siliceous with > 50% stockwork veinlets and qtz flooding, 5% py and	5071	161.05	162.30	1.25	0.06	--	--	0.2	219	<2	65	14	<5	<3	3
			minor 3 mm cpy blebs	5072	162.30	165.30	3.00	0.02	--	--	<0.1	150	<2	29	<5	<5	<3	3
				5073	165.30	168.30	3.00	<0.01	--	--	<0.1	180	<2	26	<5	<5	<3	5

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			151.85 - 152.05 m 5-10% py	5074	168.30	170.55	2.25	0.01	--	--	0.3	309	<2	35	<5	<5	<3	52
				5075	170.55	172.80	2.25	0.01	--	--	<0.1	371	<2	26	<5	<5	<3	6
			155.45 - 155.95 m Fault zone with gouge, cc, slickensides, fragmented. Fault at 20° to C/A,	5076	172.80	175.75	2.95	0.02	--	--	<0.1	67	<2	17	<5	<5	<3	2
			zone has increased qtz veining either side of fault (~ 20% qtz veining from 255.23 - 157.56 m)	5077	175.75	178.75	3.00	<0.01	--	--	<0.1	115	<2	30	6	<5	<3	3
				5078	178.75	181.75	3.00	<0.01	--	--	<0.1	56	<2	43	14	<5	<3	3
			155.95 - 158.60 m ~ 5-10% py, possible cpy	5079	181.75	184.75	3.00	<0.01	--	--	<0.1	72	<2	50	10	<5	<3	2
				5080	STD	PM 411		0.98	--	--	1.0	30	16	164	2157	81	<3	6
			158.60 - ~ 162 m 2-5% py, varying tr-2% after 162 m.	5081	184.75	187.75	3.00	0.01	--	--	0.2	188	<2	40	20	<5	<3	2
				5082	187.75	189.88	2.13	0.01	--	--	0.1	584	<2	25	11	<5	<3	12
			157.2 - 157.6 m 2 cm cc zone/vein at 20°	5083	189.88	191.15	1.27	<0.01	--	--	<0.1	256	<2	28	<5	<5	<3	3
				5084	191.15	194.15	3.00	0.01	--	--	<0.1	154	<2	22	22	<5	<3	2
			160.0 - 161.05 m qtz bx zone at 35°	5085	194.15	197.15	3.00	0.01	--	--	0.4	153	<2	46	58	<5	<3	9
				5086	197.15	200.15	3.00	<0.01	--	--	<0.1	193	<2	22	11	<5	<3	7
			168.3 - 172.8 m Intermittent heavy py veins to 2 cm, +/- qtz	5087	200.15	203.15	3.00	0.01	--	--	<0.1	253	<2	23	6	<5	<3	6
				5088	203.15	204.60	1.45	0.01	--	--	0.2	443	<2	21	15	<5	<3	3
			~ 178.0 - 187 m Zone of increased cc as stringers/veins in various directions, as well as irregular	5089	204.60	207.29	2.69	0.01	--	--	0.2	181	<2	22	7	<5	<3	8
			blobs, 20% overall. Persistent orientations include 50-55° at 178.8 m, 40-50° at 183.2 m.	5090	BLANK			<0.01	--	--	5.8	13	13	78	<5	<5	<3	6
			Fault zones with cc filling at 179.0 - 179.5 m, 181.9 - 182.5 m, 183.5 - 183.7 m.	5091	207.29	209.98	2.69	0.03	--	1257.8	385.5	1566	<2	28	12	<5	<3	8
			@ 181.9 m is 10 cm qtz bx zone at 20°.															
			187.75 - 189.88 m Grey medium grained, mod mag fp dyke or xtal tuff at 45°.															
			with ~ 25% white fsp to 2 mm in finer matrix. Py/qtz veining, similar to above, continues through															
			this unit. Upper contact at 80°, lower at 40°.															
			191.59 - 191.67 m cc rich bx/fault															
			194.90 - 203.15 m Qtz stockwork is stronger this section than above, to 10%, with accompanying															
			silicification and with 1-5% py overall															
			203.15 - 204.6 m Short section of Ei intrusive, similar to 187.76 - 189.88 m, with faulted upper															
			contact at 30° with gouge, and with sharp lower contact at 30°.															
			204.6 - 209.98 m Trbv with cc/qtz stockwork veining and sporadic py, as above															
			206.90 - 208.5 stockwork															
			209.4 m drill rounded core fragments, 2 cm chunk of broken bit															
			(Note: blocking occurred when drilling, would have needed to pull rods to continue so decide															
			to shut down now).															
209.98	EOH																	

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	2.13	5.18	2.29	3.05	75	3.05	0.44	14	MW
1/2	5.18	8.23	3.02	3.05	99	3.05	2.35	77	SW
2	8.23	11.28	3.05	3.05	100	3.05	2.77	91	FR
2/3	11.28	14.33	3.05	3.05	100	3.05	2.87	94	FR
3	14.33	17.37	3.04	3.04	100	3.04	2.60	86	FR
3/4	17.37	20.42	3.05	3.05	100	3.05	2.71	89	SW
4	20.42	23.47	3.05	3.05	100	3.05	2.69	88	FR
4/5	23.47	26.52	3.05	3.05	100	3.05	2.30	75	SW
5	26.52	29.57	3.05	3.05	100	3.05	2.63	86	FR
5/6	29.57	32.61	3.04	3.04	100	3.04	2.17	71	SW
6/7	32.61	35.66	3.05	3.05	100	3.05	2.66	87	FR
7	35.66	38.71	3.05	3.05	100	3.05	2.79	91	FR
7/8	38.71	41.76	2.99	3.05	98	3.05	2.13	70	MW
8	41.76	44.81	2.90	3.05	95	3.05	0.80	26	HW
8/9	44.81	47.85	3.01	3.04	99	3.04	2.19	72	MW
9	47.85	50.90	3.05	3.05	100	3.05	2.24	73	FR
9/10	50.90	53.95	3.05	3.05	100	3.05	2.44	80	FR
10	53.95	57.00	3.05	3.05	100	3.05	2.39	78	SW
10/11	57.00	60.05	3.05	3.05	100	3.05	2.71	89	FR
11/12	60.05	63.09	3.04	3.04	100	3.04	2.54	84	FR
12	63.09	66.14	3.05	3.05	100	3.05	2.68	88	FR
12/13	66.14	69.19	3.05	3.05	100	3.05	2.52	83	FR
13	69.19	72.24	3.05	3.05	100	3.05	1.87	61	SW
13/14	72.24	75.29	3.05	3.05	100	3.05	2.32	76	SW
14	75.29	78.33	3.04	3.04	100	3.04	2.52	83	FR
14/15	78.33	81.38	3.05	3.05	100	3.05	2.32	76	FR
15	81.38	84.43	3.05	3.05	100	3.05	2.76	90	SW
15/16	84.43	87.48	3.05	3.05	100	3.05	2.68	88	SW
16/17	87.48	90.53	3.05	3.05	100	3.05	2.61	86	FR
17	90.53	93.57	3.04	3.04	100	3.04	2.64	87	FR
17/18	93.57	96.62	3.05	3.05	100	3.05	2.69	88	FR
18	96.62	99.67	3.05	3.05	100	3.05	2.85	93	SW
18/19	99.67	102.72	3.05	3.05	100	3.05	2.24	73	SW
19	102.72	105.77	3.05	3.05	100	3.05	2.07	68	SW
19/20	105.77	108.81	3.04	3.04	100	3.04	2.17	71	SW
20	108.81	111.86	2.99	3.05	98	3.05	2.19	72	SW
20/21	111.86	114.91	3.05	3.05	100	3.05	1.77	58	SW
21/22	114.91	117.96	3.02	3.05	99	3.05	2.18	71	SW
22	117.96	121.01	3.05	3.05	100	3.05	2.60	85	FR
22/23	121.01	124.05	3.04	3.04	100	3.04	2.50	82	FR
23	124.05	127.10	3.05	3.05	100	3.05	2.47	81	SW
23/24	127.10	130.15	3.05	3.05	100	3.05	2.88	94	FR
24	130.15	133.20	3.05	3.05	100	3.05	2.70	89	FR
24/25	133.20	136.25	3.05	3.05	100	3.05	2.73	90	SW
25	136.25	139.29	3.04	3.04	100	3.04	2.54	84	FR
25/26	139.29	142.34	3.05	3.05	100	3.05	2.24	73	FR
26	142.34	145.39	3.05	3.05	100	3.05	2.66	87	FR
26/27	145.39	148.44	3.05	3.05	100	3.05	2.49	82	FR
27/28	148.44	151.49	3.05	3.05	100	3.05	2.76	90	FR
28	151.49	154.53	3.04	3.04	100	3.04	2.56	84	FR
28/29	154.53	157.58	3.02	3.05	99	3.05	2.24	73	FR
29	157.58	160.63	3.05	3.05	100	3.05	2.43	80	FR
29/30	160.63	163.68	3.05	3.05	100	3.05	2.65	87	FR
30	163.68	166.73	3.05	3.05	100	3.05	2.47	81	FR
30/31	166.73	169.77	3.04	3.04	100	3.04	2.71	89	FR
31/32	169.77	172.82	3.05	3.05	100	3.05	1.95	64	FR
32	172.82	175.87	3.05	3.05	100	3.05	2.26	74	FR
32/33	175.87	178.92	3.05	3.05	100	3.05	2.21	72	FR
33	178.92	181.97	3.05	3.05	100	3.05	2.19	72	FR
33/34	181.97	185.01	3.04	3.04	100	3.04	1.76	58	FR
34	185.01	188.06	3.05	3.05	100	3.05	2.16	71	FR
34/35	188.06	191.11	3.05	3.05	100	3.05	2.40	79	FR
35/36	191.11	194.16	3.05	3.05	100	3.05	1.99	65	FR
36	194.16	197.21	3.05	3.05	100	3.05	2.49	82	FR
36/37	197.21	200.25	3.04	3.04	100	3.04	2.65	87	FR
37	200.25	203.30	3.05	3.05	100	3.05	2.55	84	FR
37/38	203.30	206.35	3.05	3.05	100	3.05	2.22	73	FR
38	206.35	209.40	3.05	3.05	100	3.05	2.07	68	FR
38	209.40	209.98	0.55	0.58	95	0.58	0.10	17	FR

AREA: Battle Zone
HOLE: KRR 08-12

Collar UTM **Easting:** 383725
Northing: 5438170
Grid **Easting:**
Northing:
Purpose: To test shear zone in same section as KRR 08-11, deeper in section.

Azimuth: n/a
Dip: -90
Depth: 127.24 m
Elevation: 1500

Started: 3-Jul-08
Completed: 4-Jul-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Note: All angles listed in log are with respect to core axis.

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	2.13	Casing															
2.13	54.22	Trbbx	Sharpstone conglomerate, with composite of angular and subangular white/grey/green/pink														
			fragments, usually 1 mm - 1 cm range, but rarely up to 4 cm. Generally frags are well sorted														
			into narrow size ranges. Frags include chert, calcite, fsp, intrusives. The darker greens														
			are often a function of local chloritization. Occassional concentrations of secondary hematite														
			result in brownish red sections. Generally sharpstone conglomerate is very hard and siliceous,														
			and typically matrix is moderately calcareous (but less so in the major oxidized/leached zones).														
			Oxidation occurs to varying degrees in this entire section, though usually slight. Non mag.														
			Pyrite is scarce, except in a few small concentrations.	5092	BLANK			<0.01	--	<0.1	3	11	63	14	<5	<3	5
				5093	2.13	5.13	3.00	0.03	--	<0.1	24	5	68	9	<5	<3	2
			2.13 - 3.00 Highly fragmented, in part drill-induced.	5094	5.13	8.13	3.00	0.04	--	<0.1	69	<2	42	5	<5	<3	1
				5095	8.13	11.13	3.00	0.04	--	<0.1	131	<2	34	8	<5	<3	2
			2.13 - 10.0 m Upper oxidized zone, with considerable fracturing with limonite on surfaces but	5096	11.13	14.13	3.00	0.04	--	<0.1	28	<2	36	5	<5	<3	1
			also pervasive limonite alteration. Similar oxidation continues sporadically beyond 10 m.	5097	14.13	17.13	3.00	0.01	--	<0.1	34	<2	40	<5	<5	<3	2
				5098	17.13	20.13	3.00	2.92	2.93	<0.1	20	<2	33	<5	<5	<3	1
			19.70 - 19.85 m Fault zone, broken ground, limonite.	5099	20.13	22.15	2.02	<0.01	--	<0.1	15	<2	30	<5	<5	<3	<1
				5100	STD	PM 411		0.98	--	0.7	31	21	160	2085	118	<3	6
			23.23 m 20% sulfides (py:cpy = 4:1) in 5 cm cc inclusion	5101	22.15	22.30	0.15	0.41	--	2.0	8949	16	43	590	<5	<3	<1
				5102	22.30	24.50	2.20	<0.01	--	<0.1	54	<2	42	5	<5	<3	2
			24.6 m 1 cm py bleb	5103	24.50	24.70	0.20	0.01	--	<0.1	110	<2	39	<5	<5	<3	1
				5104	24.70	25.70	1.00	0.05	--	<0.1	189	<2	50	<5	<5	<3	2
			25.05 m py bleb with minor cpy	5105	25.70	27.00	1.30	0.04	--	<0.1	69	<2	34	6	<5	<3	1
				5106	27.00	29.00	2.00	0.06	--	<0.1	207	<2	38	<5	<5	<3	2
			29.0 - 29.7 m zone of silica enrichment containing blebs of py and cpy (1-2% overall). Secondary	5107	29.00	29.70	0.70	1.19	1.17	2.0	110	<2	39	21	<5	<3	1
			hematite patterns in qtz and on frac surfaces.	5108	29.70	31.70	2.00	<0.01	--	<0.1	19	<2	39	<5	<5	<3	2
			@ 29.55 m is Fault zone, 15 cm zone of str Fe ox, quartz	5109	31.70	33.55	1.85	0.01	--	<0.1	49	<2	40	<5	<5	<3	1
				5110	BLANK			<0.01	--	<0.1	5	32	73	27	<5	<3	14
			33.55 - 34.10 silicified with high, irregular qtz content with 1-5% py, minor cpy, 20% patchy	5111	33.55	34.10	0.55	0.79	--	1.5	520	<2	37	25	<5	<3	2
			secondary red hematite, 5% epidote	5112	34.10	36.10	2.00	0.07	--	<0.1	133	<2	46	8	<5	<3	2
				5113	36.10	38.10	2.00	0.33	--	0.1	356	<2	48	85	<5	<3	4
			35.45 - 35.80 m Fault zone. Highly fragmented, str limonite.	5114	38.10	40.10	2.00	0.03	--	<0.1	49	<2	41	<5	<5	<3	2
				5115	40.10	41.10	1.00	0.02	--	<0.1	68	<2	38	<5	<5	<3	1
			~ 36.4 - 42.5 m Fault zone. Highly oxidized and discoloured by limonite throughout. Broken	5116	41.10	43.10	2.00	0.12	--	<0.1	35	<2	40	15	<5	<3	2
			ground with especially high fragmentation 37.6 - 38.45 and 41.7 - 42.2 m.	5117	43.10	45.10	2.00	0.02	--	<0.1	4	<2	38	<5	<5	<3	2
				5118	45.10	47.10	2.00	0.02	--	<0.1	101	<2	36	<5	<5	<3	2
			40.55 m minor cpy	5119	47.10	48.10	1.00	0.06	--	<0.1	256	<2	37	30	<5	<3	2
				5120	STD	PM 411		1.00	1.01	0.6	30	21	159	2062	121	<3	7
			40.6 - 42.2 m Fault zone. Oxidized broken ground. Extreme fragmentation from 42.02 - 42.17 m	5121	48.10	50.10	2.00	0.01	--	<0.1	20	<2	32	9	<5	<3	2
				5122	50.10	52.10	2.00	0.02	--	<0.1	120	<2	34	6	<5	<3	2
			47.7 m Minor py and cpy	5123	52.10	54.22	2.12	<0.01	--	<0.1	16	<2	39	<5	<5	<3	1
				5124	54.22	56.22	2.00	<0.01	--	<0.1	31	<2	80	<5	<5	<3	3
			51.5 m Minor py and cpy														

DOMINANT			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			54.22 m Contact to Ei below at 40°														
54.22	73.40	Ei	Dark grey, medium grained, hypidiomorphic fsp/bi/px monzodiorite dyke. Fresh, str magnetic.														
			Minor late cc vnlts, which also show limonite weathering. Composition is ~ 60% white/light fsp,														
			35-40% dark fsp/mafics, <5% pink Kspar. Intrusive contacts, upper (40°) and lower (80°)														
			55.4 - 55.55 m Fault, broken ground														
			~ 67 - 70 m coarser grained, with phenos generally 2-4 mm														
				5125	70.40	73.40	3.00	<0.01	--	<0.1	33	<2	73	<5	<5	<3	4
73.40	90.24	Trbbx	Sharpstone conglomerate as above, light to medium gren and pink, angular to subangular frags,	5126	73.40	76.40	3.00	<0.01	--	<0.1	12	<2	39	<5	<5	<3	1
			siliceous, calcareous, non mag.	5127	76.40	78.00	1.60	0.07	--	<0.1	15	<2	47	5	<5	<3	1
				5128	78.00	78.10	0.10	0.03	--	2.1	1509	<2	51	16	<5	<3	2
			73.75 m minor py	5129	78.10	81.10	3.00	0.02	--	<0.1	16	<2	34	5	<5	<3	2
				5130	BLANK			0.01	--	<0.1	7	11	70	10	<5	<3	4
			78.05 m 0.5 cm fracture at 30° with limonite, qtz xtals, py, cpy, malachite and black unidentified	5131	81.10	84.10	3.00	0.01	--	<0.1	74	<2	33	<5	<5	<3	1
			mineral	5132	84.10	86.40	2.30	0.01	--	<0.1	125	<2	39	<5	<5	<3	2
				5133	86.40	86.65	0.25	0.06	--	<0.1	174	<2	32	39	<5	<3	1
			86.40 - 86.65 m Massive qtz (40%), cc (30%), epidote (10%), chlorite (10%) plus lesser hematite,	5134	86.65	88.30	1.65	0.01	--	<0.1	43	<2	35	6	<5	<3	1
			pyrite, misc. No cpy observed. Some qtz shows in core as cross-sectional hexagonal xtals to	5135	88.30	90.30	2.00	0.01	--	<0.1	24	<2	36	<5	<5	<3	2
			1 cm across.	5136	90.30	92.30	2.00	0.01	--	<0.1	47	<2	32	<5	<5	<3	2
				5137	92.30	94.30	2.00	0.14	--	<0.1	127	<2	33	6	<5	<3	2
90.24	94.13	Trmd	Green-purple medium grained,andesite dyke (or JL says Ei, 60% pink Kspar, 20% plag, 20% mafics).	5138	94.30	96.30	2.00	0.20	--	<0.1	37	<2	33	6	<5	<3	3
			Non mag. Minor hairline cc stringers.	5139	96.30	96.50	0.20	0.20	--	<0.1	7	<2	33	22	<5	<3	1
			Upper contact is intrusive contact at 50°	5140	STD	PM 411		0.98	--	0.7	31	20	158	2064	121	<3	6
			93.56 - 94.13 Bleached pervasive clay altered zone with minor fault gouge/slickensides in	5141	96.50	99.05	2.55	0.02	--	<0.1	52	<2	41	7	<5	<3	2
			dyke cutting sharpstone.	5142	99.05	100.05	1.00	0.12	--	<0.1	331	2	36	21	<5	<3	2
				5143	100.05	100.85	0.80	49.53	50.30	27.8	5493	250	571	659	133	<3	21
94.13	127.24	Trbbx	Sharpstone conglomerate as above. Purple to grey to green composite of angular/subangular	5144	100.85	101.85	1.00	0.13	--	<0.1	170	<2	59	16	<5	<3	2
			clasts of various rock types, generally 1 mm - 1 cm, but up to 3 cm not uncommon. Siliceous,	5145	101.85	104.05	2.20	0.05	--	<0.1	31	<2	45	<5	<5	<3	1
			calcareous, non-mag.	5146	104.05	107.05	3.00	0.01	--	<0.1	25	<2	46	<5	<5	<3	1
				5147	107.05	110.05	3.00	0.05	--	<0.1	15	<2	50	<5	<5	<3	2
			96.1 - 96.2 m Fault. Limonitic, broken ground	5148	110.05	113.05	3.00	0.01	--	<0.1	30	<2	41	<5	<5	<3	1
				5149	113.05	116.05	3.00	0.02	--	<0.1	30	<2	41	<5	<5	<3	1
			96.35 - 96.45 m py blebs to 1 cm in cc (+qtz?) vein	5150	BLANK			0.02	--	<0.1	3	13	73	14	<5	<3	4
				5151	116.05	119.05	3.00	0.01	--	<0.1	12	<2	40	<5	<5	<3	2
			~ 99.1 - 101.0 Highly silicified zone with sulfides throughout, but especially as noted:	5152	119.05	122.05	3.00	0.01	--	<0.1	6	<2	32	<5	<5	<3	1
			Sulfides become scarse after 101 m.	5153	122.05	124.25	2.20	0.02	--	<0.1	23	<2	37	<5	<5	<3	2
			100.05 - 100.85 m Semi-mass py, ~ 25% overall, significant cpy, possibly 2-3% through section.	5154	124.25	125.25	1.00	0.03	--	<0.1	147	<2	43	6	<5	<3	1
			(locally py to 40%)	5155	125.25	125.45	0.20	8.53	8.50	13.5	1865	321	1892	997	<5	<3	13
			105.18 m py bleb	5156	125.45	127.24	1.79	0.14	--	<0.1	167	12	180	39	<5	<3	2
			105.26 m secondary red hematite on fracs														
			~ 115.0 - 127.24 m Rock becomes consistently more fractured and fragmented														
			118.55 - 118.7 m Highly fragmented with minor limonite staining														
			119.47 m 0.5 cm red hematite coloured fracture at 45° with accompanying hairline cc filled														
			fractures at similar angle														
			125.1 - 125.5 m Fault - broken ground														
			125.25 - 125.45 m Highly mineralized section within fault, massive to subhedral py, xtalline														
			hydrothermal qtz, possibly a grey unidentified mineral (sulfosalt?). Includes 3" massive py zone.														

DOMINANT			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			125.5 - 127.24 m Fine grained py throughout, up to 3% but generally minor														
127.24 m	EOH		Shut hole down to to mislatch. Would have been nice to carry on a bit further but lowbed														
			scheduled for move to Stemwinder.														

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	2.13	5.18	1.83	3.05	60	3.05	0.85	28	MW
1	5.18	8.23	3.05	3.05	100	3.05	2.03	67	MW
1/2	8.23	11.28	3.05	3.05	100	3.05	2.52	83	SW
2/3	11.28	14.33	3.05	3.05	100	3.05	2.30	75	SW
3	14.33	17.37	3.04	3.04	100	3.04	2.54	84	SW
3/4	17.37	20.42	3.02	3.05	99	3.05	2.67	88	MW
4	20.42	23.47	3.05	3.05	100	3.05	2.72	89	SW
4/5	23.47	26.52	3.05	3.05	100	3.05	2.41	79	SW
5	26.52	29.57	3.05	3.05	100	3.05	2.42	79	SW
5/6	29.57	32.61	3.04	3.04	100	3.04	2.58	85	SW
6	32.61	35.66	2.99	3.05	98	3.05	2.47	81	SW
6/7	35.66	38.71	2.99	3.05	98	3.05	1.83	60	HW
7	38.71	41.76	3.02	3.05	99	3.05	2.31	76	HW
7/8	41.76	44.81	3.02	3.05	99	3.05	2.15	70	MW
8	44.81	47.85	3.04	3.04	100	3.04	2.50	82	SW
8/9	47.85	50.90	3.05	3.05	100	3.05	2.67	88	SW
9/10	50.90	53.95	3.05	3.05	100	3.05	2.81	92	SW
10	53.95	57.00	3.05	3.05	100	3.05	2.21	72	SW
10/11	57.00	60.05	3.05	3.05	100	3.05	2.60	85	SW
11	60.05	63.09	3.04	3.04	100	3.04	2.32	76	SW
11/12	63.09	66.14	3.05	3.05	100	3.05	2.10	69	SW
12	66.14	69.19	3.05	3.05	100	3.05	2.35	77	SW
12/13	69.19	72.24	3.05	3.05	100	3.05	2.41	79	FR
13/14	72.24	75.29	3.05	3.05	100	3.05	2.62	86	SW
14	75.29	78.33	3.04	3.04	100	3.04	2.66	88	SW
14/15	78.33	81.38	3.05	3.05	100	3.05	2.71	89	FR
15	81.38	84.43	3.05	3.05	100	3.05	2.43	80	SW
15/16	84.43	87.48	3.05	3.05	100	3.05	2.41	79	FR
16	87.48	90.53	3.05	3.05	100	3.05	2.41	79	SW
16/17	90.53	93.57	3.04	3.04	100	3.04	2.62	86	FR
17	93.57	96.62	3.05	3.05	100	3.05	2.24	73	SW
17/18	96.62	99.67	3.05	3.05	100	3.05	2.35	77	SW
18	99.67	102.72	3.05	3.05	100	3.05	2.30	75	SW
18/19	102.72	105.77	3.05	3.05	100	3.05	2.25	74	FR
19/20	105.77	108.81	3.04	3.04	100	3.04	2.15	71	FR
20	108.81	111.86	3.05	3.05	100	3.05	2.50	82	FR
20/21	111.86	114.91	3.05	3.05	100	3.05	2.41	79	FR
21	114.91	117.96	3.05	3.05	100	3.05	1.98	65	SW
21/22	117.96	121.01	3.05	3.05	100	3.05	1.98	65	SW
22	121.01	124.05	3.04	3.04	100	3.04	2.31	76	SW
22/23	124.05	127.10	3.05	3.05	100	3.05	1.10	36	MW
23	127.10	127.24	0.11	0.14	79	0.14	0.00	0	SW

AREA: Stemwinder
HOLE: KRR 08-13

Collar UTM Easting: 383390
Northing: 5440080
Grid Easting:
Northing:
Purpose: To test the Brooklyn-Stemwinder "Gold Trend" (Denzler, Stemwinder West and Portal veins).

Azimuth: 220
Dip: -45
Depth: 239.88 m
Elevation: 1459 m

Started: 7-Jul-08
Completed: 14-Jul-08
Drilled by: More Core Drilling
Logged by: J. Lucke
Operator: Kettle River Resources Ltd.
Core Size: NQ2

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled)

Note: All angles listed in log are with respect to core axis.

ROCK TYPE From (m)	To (m)	Lithology	DESCRIPTION	SAMPLE Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
0.00	7.62	Casing															
7.62	52.26	Trbbx	Polymictic conglomerate with large limestone cobbles. Angular to														
			subangular clasts, typically 2 mm to 2 cm, of limestone, chert (+ red jasper), altered														
			seds, volcs and intrusives in calcareous granular gmass. Limestone clasts are														
			commonly >> larger than other rock type clasts, and may exceed 20 cm in size.														
			Generally pale green-grey colour, but individual fragments display a range of														
			colours. Competence is relatively poor, with considerable fragmentation through the														
			section, which appears to be in and parallelling a shear zone. Limonite present on many														
			fracture surfaces through entire length, often parallel to core axis. Calcareous, siliceous, non-														
			magnetic.														
			7.62 - 8.0 m Broken ground														
			8.3 - 8.5 m Broken ground														
			13.4 - 46.2 m Frequent low angle fractures, with limonite coating, parallel or near parallel to														
			core axis. Likely hole is going in and out of same shear zone.														
			32.4 - 34.3 m vuggy along low angle fracture														
			45.3 - 46.2 m tabular cc to 1 cm on fractures														
			46.3, 46.5 m limestone fragments to 15 cm.														
				5157	BLANK			0.01	--	<0.1	4	14	79	14	<5	<3	6
52.26	54.67	Trbv	Medium to dark grey-green, homogeneous, fine grained to aphanitic, massive greenstone (or	5158	50.26	52.26	2.00	0.02	--	0.1	67	<2	113	<5	<5	<3	4
			fine grained andesite dyke?). Siliceous, weakly calcareous and very mildly magnetic. Small	5159	52.26	54.67	2.41	0.04	--	0.1	59	<2	78	19	<5	<3	2
			< 1 mm fsp phenos visible in fine gmass. Minor dissem py. Extremely broken through entire	5160	STD	PM 411		0.99	--	1.0	32	22	180	2317	323	<3	8
			section, with RQD < 10%. Str Fe ox fractures and narrow gouge zones.	5161	54.67	56.67	2.00	0.01	--	<0.1	3	<2	94	14	<5	<3	2
			Fault zone, with dyke/greenstone.														
54.67	58.70	Trbbx	Relatively coarse (2-4 cm common) conglomerate, as in 7.62 - 52.26 m. Generally good ground														
			but some fracturing with secondary hematite on surfaces.														
			54.8 - 55.2 m Fracturing, parallel to core axis.														
58.70	83.45	Trbv	Medium grey-green, homogeneous, massive, fine grained to aphanitic greenstone. Fsp < 1 mm														
			and fine mafics visible in finer gmass. Weak-moderately calcareous, non-siliceous. Generally														
			non-magnetic, but infrequent locations are weakly magnetic. Minor hairline to mm scale cc filled														
			fracs. Weak Fe ox fracs.														
			Contact at 58.7 m with Trbbx above is sharp contact at 30°.														

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			59.4 - 61.1 m Highly fragmented, limonite on surfaces.														
			64.98 m chorite and hematite smeared fracture at 45°														
			64.98 - 65.08 m 8 cm dirty qtz/cc vein, with red hematite														
			67.48 - 67.64 m Trbbx - short section of conglomerate														
			68.65 - 70.51 m badly broken with red hematite and/or with limonite staining on fractures														
			70.51 - 71.03 m cc stockwork, inlcuding tabular xtals to 0.5 cm														
			71.03 - 72.61 m textural change, with 20% fsp to 2mm and 15% mafics to 3 mm in fine grained														
			grey gmass.														
			~ 72.0 - 79.3 m Fault Zone. Very broken ground with local gouge and weak - moderate														
			limonite staining on fracture surfaces.														
			@ 74.8 m very minor fine grained pyrite.														
			80.3 - 81.1 m Trbbx - sort section of conglomerate as above, with large lst clasts														
			@ 80.35 very minor py														
			81.1 - 81.8 m Broken ground with frequent limonite fracture surfaces														
			81.9 m 0.5 cm qtz vein at 25°														
			83.2 m 1 cm qtz vein (80% qtz) at 25°, with minor offset on slip plane														
			83.45 m Contact with conglomerate below at 40°, with ~ 10 cm fracture zone with red hematite														
			stain.														
83.45	99.40	Trbbx	Polymictic conglomerate, as above, including frequent large limestone clasts. Medium to														
			coarse fragmental texture, with variably 30-80% angular fragments in a green calcareous														
			gmass.														
			84.55 - 88.73 m Ei1a dyke intrudes Trbbx. Pinkish-grey, fine grained Kspar megacrystic syenite														
			dyke with chilled intrusive contacts, upper at 50°, lower at 70°														
				5162	88.73	91.73	3.00	<0.01	--	<0.1	19	<2	79	<5	<5	<3	2
			90.15 m fracture/fault at 20°, with minor gouge	5163	91.73	94.73	3.00	0.01	--	<0.1	13	<2	77	<5	<5	<3	2
				5164	94.73	97.73	3.00	<0.01	--	<0.1	10	<2	72	<5	<5	<3	2
99.40	103.05	Trbv	Medium to dark grey to green homogeneous, massive tuff? or greenstone interbed. Mod	5165	97.73	99.40	1.67	0.19	--	<0.1	7	<2	110	<5	<5	<3	2
			chl alt'n. Sporadic weakly magnetic. Str calcareous. Non-magnetic.	5166	99.40	100.85	1.45	<0.01	--	<0.1	49	<2	72	<5	<5	<3	5
				5167	100.85	101.15	0.30	0.01	--	21.0	27926	<2	134	22	<5	<3	5
			100.85 - 101.15 m Qtz-sulfide vein at 80° to core axis, with 20% py + 5% cpy, as massive bands	5168	101.15	103.27	2.12	<0.01	--	0.1	233	<2	78	<5	<5	<3	2
			and patches in vein.	5169	103.27	103.48	0.21	0.01	--	14.1	15072	<2	104	13	<5	<3	<1
				5170	BLANK			<0.01	--	<0.1	49	33	81	17	<5	<3	7
			102.5 - 103.05 m Fault zone at contact, broken ground.	5171	103.48	105.48	2.00	0.01	--	<0.1	106	<2	106	<5	<5	<3	2
				5172	105.48	107.50	2.02	<0.01	--	<0.1	30	<2	100	<5	<5	<3	2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
103.05	159.00	Trbbx	Polymictic conglomerate, as above. Mainly grey to green in colour, siliceous, calcareous and	5173	107.50	108.50	1.00	0.01	--	<0.1	14	<2	111	<5	<5	<3	2
			non-magnetic. Fragments vary from mm to several cm in size, but are generally well sorted and	5174	108.50	109.50	1.00	<0.01	--	1.5	1804	<2	66	7	<5	<3	3
			average ~ 1 cm +/-.	5175	109.50	110.50	1.00	0.01	--	0.7	466	<2	51	<5	<5	<3	2
				5176	110.50	111.50	1.00	0.01	--	0.6	313	<2	106	<5	<5	<3	2
			103.27 - 103.48 m Qtz-sulfide vein/shear vein with several 2-3 cm massive cpy + py veins.	5177	111.50	113.50	2.00	0.01	--	0.6	755	<2	91	<5	<5	<3	2
			Locally breccia textures. ~ 15% py and 5% cpy overall.	5178	113.50	115.50	2.00	0.01	--	<0.1	8	<2	99	<5	<5	<3	2
				5179	115.50	117.50	2.00	0.01	--	<0.1	7	<2	83	<5	<5	<3	2
			108.5 - 109.5 m patchy irregular zones of qtz/silic'n with disseminated and patchy py and cpy,	5180	STD	PM 411		0.98	--	1.0	33	22	178	2216	335	<3	8
			to 5% overall (with local massive zones). Possible healed fault zone.	5181	117.50	119.50	2.00	<0.01	--	<0.1	2	<2	82	5	<5	<3	2
				5182	119.50	121.50	2.00	0.04	--	<0.1	3	<2	69	<5	<5	<3	2
			@ 111.85 m is strong hematitic fracture at 10° to core axis. From here down to ~ 130 m, conglom	5183	121.50	122.71	1.21	0.11	--	<0.1	30	<2	69	<5	<5	<3	2
			is slightly hematitic, with maroon tinge.	5184	122.71	123.71	1.00	14.02	13.80	39.4	47401	7	128	60	<5	<3	<1
				5185	123.71	125.84	2.13	0.15	--	<0.1	158	<2	103	9	<5	<3	2
			117.5 - 118 m Fault zone. Zone of highly broken core with local gouge.	5186	125.84	128.84	3.00	0.04	--	<0.1	141	<2	81	<5	<5	<3	3
				5187	128.84	131.84	3.00	0.01	--	<0.1	25	<2	57	<5	<5	<3	1
			122.71 - 123.71 m Qtz-cc-py-cpy breccia vein/zone. Irregular contacts with siliceous sections	5188	131.84	134.84	3.00	<0.01	--	<0.1	31	<2	35	<5	<5	<3	2
			with py-cpy as massive patches, infilling, and as clasts of massive sulfides in white-grey	5189	134.84	137.84	3.00	0.01	--	<0.1	7	<2	45	<5	<5	<3	2
			silica. ~ 20 % sulfides, with about 75/25 py. This silica-rich portion is cut by (and occurs as bx	5190	BLANK			0.01	--	<0.1	9	18	77	<5	<5	<3	4
			clasts within) a 45 cm +/- massive white/salmon coloured cc vein (122.8 - 123.25).														
			130.5 - 137.5 m str hematitic Trbbx, with med-dark maroon colour														
			~ 132 - 135 m more poorly sorted clast size, this interval; 1 mm +/- to frequent 4 cm + frags														
			137.84 - 138.48 m narrow grey Ei1a chilled syenite dyke with faulted upper and lower contacts	5191	137.84	138.48	0.64	<0.01	--	<0.1	24	6	84	7	<5	<3	4
			with gouge, at 50°	5192	138.48	141.48	3.00	0.03	--	<0.1	5	<2	75	<5	<5	<3	2
				5193	141.48	144.48	3.00	0.02	--	<0.1	3	<2	74	<5	<5	<3	3
			142.3 - 144.5 m maroon hematitic colour to conglom	5194	144.48	145.90	1.42	0.17	--	<0.1	5	<2	92	6	<5	<3	3
				5195	145.90	146.15	0.25	7.02	7.04	2.0	694	<2	37	111	<5	<3	10
			143.16 - 145.3 m Fine grained dark grey-maroon siltstone interbed in conglom	5196	146.15	148.00	1.85	0.03	--	0.3	98	<2	111	9	<5	<3	3
				5197	148.00	150.00	2.00	0.01	--	<0.1	7	<2	95	<5	<5	<3	3
			145.3 - 147 m Minz'd fault zone. Tectonic bx overprints lst frag conglom texture. Poor recovery thru	5198	150.00	153.00	3.00	0.03	--	<0.1	45	<2	73	26	<5	<3	3
			fault with several ground and pebbly sections. Local fine grained semi massive py as bx	5199	153.00	156.00	3.00	<0.01	--	<0.1	29	<2	57	<5	<5	<3	2
			matrix, to 40% locally over ~ 30 cm section, and to 5-10% over entire interval.	5200	STD	PM 411		0.99	--	1.0	33	21	178	2261	328	<3	7
			145.9 - 146.15 semi-massive py in incompetent cc, 30° to core axis. Minor cpy.	5201	156.00	159.00	3.00	0.01	--	<0.1	6	<2	55	9	<5	<3	2
			Below fault, conglom is finer grained with clasts averaging 3-5 mm, and with very coarse lst														
			clast conglom bed at ~ 155 - 158.5 m.														
			157.15 - 158.75 m Extremely fragmented, with minor gouge														
159.00	187.44	Ei1a	Medium grey to weakly pinkish grey, fine grained, sparsely Kspar phyric syenite. Fresh,														
			mod magnetic. Minor late cc vnlts. 10% pink Kspar phenos to 5 mm and 10% mafics to 2 mm in														
			pink/grey to green gmass.														
			@ 159.0 m, upper contact is chilled intrusive contact.														
			There may be 2 or possibly 3 intrusive events within this interval, as apparent contact/chill														
			zones occur at 165.35, 165.9 and 181.9 m.														

ROCK TYPE			DESCRIPTION	SAMPLE													
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm
			163.8 - 164.5 m broken ground parallel to core axis														
			167 - 170 m Fault zone. Highly fragmented with poor core recovery. Local gouge.														
			~ 173 - 181 m minor red hematite alt'n														
			176.2 - 176.9 m fault zone, highly fragmented														
			181.5 - 182.0 m Fault zone, highly fragmented. Also at 184.8 - 185.0 m and 186.8 - 186.9 m.														
187.44	239.88	Snowshoe	Thick sequence of mixed rock, including much tectonic breccia +/- graphitic, local very fine														
		Fault	py flood, patchy silic'n and white qtz frags, chert, + several sections of fine grained green	5202	187.44	189.44	2.00	0.01	--	<0.1	192	<2	73	18	<5	<3	6
			massive altered and weakly tect bx'd, weakly foliated andesite dykes. This is very likely	5203	189.44	192.44	3.00	<0.01	--	<0.1	239	<2	55	<5	<5	<3	2
			alt'd Knob Hill group chert/gst within the Snowshoe fault zone.	5204	192.44	195.44	3.00	0.01	--	<0.1	55	<2	60	20	<5	<3	3
				5205	195.44	198.44	3.00	<0.01	--	<0.1	32	<2	103	13	<5	<3	3
			Significant individual/unique portions are described below, but in general the rock has	5206	198.44	201.44	3.00	0.01	--	<0.1	29	<2	132	20	<5	<3	4
			been broken, highly chlorite and graphite altered and often repaired. In places there is the	5207	201.44	204.44	3.00	0.01	--	<0.1	18	9	83	17	<5	<3	2
			appearance of remnant conglom, while other zones are entirely unrecognizeable as to original	5208	204.44	207.44	3.00	0.01	--	<0.1	49	<2	120	11	<5	<3	3
			rock type. The material is generally soft, even where the core is competent, but largely	5209	207.44	210.44	3.00	0.01	--	<0.1	45	<2	129	22	<5	<3	4
			non-calcareous. Infrequent siliceous zones. non magnetic. Pyrite varies from minor to	5210	BLANK			0.01	--	<0.1	5	25	75	15	<5	<3	7
			occassionally significant (< 3%).	5211	210.44	213.44	3.00	0.01	--	<0.1	46	<2	81	24	<5	<3	4
				5212	213.44	214.65	1.21	0.01	--	<0.1	31	4	75	21	<5	<3	2
			187.44 - 189.93 m highly altered with significant graphite	5213	214.65	215.49	0.84	0.01	--	<0.1	17	<2	67	7	<5	<3	3
				5214	215.49	216.05	0.56	<0.01	--	<0.1	39	<2	123	7	<5	<3	3
			~ 190 - 194.5 m compentent but soft, with quartz frags to 2 cm	5215	216.05	216.40	0.35	<0.01	--	<0.1	24	<2	18	8	<5	<3	2
				5216	216.40	219.40	3.00	0.01	--	<0.1	41	<2	91	19	<5	<3	3
			194.46 m gouge filled fracture at 45°	5217	219.40	222.40	3.00	0.01	--	<0.1	32	6	94	23	<5	<3	2
				5218	222.40	223.88	1.48	<0.01	--	<0.1	55	<2	98	22	<5	<3	3
			197.2 - 197.5 Fault, 30°, extreme fragmentation with gouge zones.	5219	223.88	224.88	1.00	0.01	--	0.2	71	<2	64	12	<5	<3	6
				5220	STD	PM 411		0.99	--	0.9	32	22	178	2242	312	<3	8
			199.9 - 200.1 m fault, extreme fragmentation with gouge	5221	224.88	227.88	3.00	<0.01	--	<0.1	40	5	89	16	<5	<3	2
				5222	227.88	230.88	3.00	<0.01	--	<0.1	32	10	90	16	<5	<3	1
			200.2 - 202.5 m highly variegated green and black, as a function of varying graphite content	5223	230.88	233.88	3.00	0.01	--	<0.1	57	<2	107	35	<5	<3	3
				5224	233.88	236.88	3.00	0.01	--	0.4	74	<2	94	28	<5	<3	4
			202.5 - 209.0 mainly pale green but with convoluted bands of grey, white and black. Includes	5225	236.88	239.88	3.00	0.01	--	0.2	71	<2	115	40	<5	<3	5
			short high-graphite section 205.4 - 205.6 m.														
			209.4 - 214.7 m variegated green/black with high graphite content, banding in vicinity of 210m,														
			at 45°														
			~ 211.5 - 212.5 m very fine dissem py, 1-3%														
			213.5 m small scale crenulated folding														
			214.2 m vuggy texture from dissolution														
			214.65 - 215.49 highly siliceous, 1% v fine py														
			216.05 - 216.40 siliceous section at 20° to core axis														
			220.15 - 221.5 m section of increased graphite content														
			223.85 - 224.85 m high qtz content, 1-3% py														

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			225.2 - 228.0 m stockwork with intermittent silicification, 20-25% overall														
			~ 231 m graphite increases substantially from here on down hole, giving banded/variegated														
			black appearance. 10-20% graphite overall, with some sections exceeding 50%														
			232.0 - 232.8 m silicified with 1-3% py														
			237.9 - 239.6 m high silica, 1-3% py.														
239.88	EOH																

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	7.62	8.23	0.25	0.61	41	0.61	0.12	20	MW
1	8.23	11.28	2.90	3.05	95	3.05	1.28	42	MW
1/2	11.28	14.33	3.02	3.05	99	3.05	1.99	65	SW
2	14.33	17.37	3.01	3.04	99	3.04	1.96	64	SW
2/3	17.37	20.42	3.02	3.05	99	3.05	1.93	63	SW
3	20.42	23.47	2.96	3.05	97	3.05	1.46	48	MW
3/4	23.47	26.52	3.05	3.05	100	3.05	1.85	61	SW
4/5	26.52	29.57	3.05	3.05	100	3.05	1.13	37	MW
5	29.57	32.61	3.04	3.04	100	3.04	2.07	68	MW
5/6	32.61	35.66	2.99	3.05	98	3.05	1.16	38	MW
6	35.66	38.71	3.02	3.05	99	3.05	2.11	69	SW
6/7	38.71	41.76	3.05	3.05	100	3.05	1.89	62	SW
7	41.76	44.81	3.05	3.05	100	3.05	2.02	66	SW
7/8	44.81	47.85	3.01	3.04	99	3.04	1.75	58	SW
8	47.85	50.90	3.05	3.05	100	3.05	2.01	66	SW
8/9	50.90	53.95	2.99	3.05	98	3.05	0.23	8	MW
9/10	53.95	57.00	3.05	3.05	100	3.05	1.49	49	SW
10	57.00	60.05	3.05	3.05	100	3.05	1.47	48	MW
10/11	60.05	63.09	3.04	3.04	100	3.04	1.67	55	SW
11	63.09	66.14	3.05	3.05	100	3.05	2.24	73	FR
11/12	66.14	69.19	3.05	3.05	100	3.05	1.62	53	SW
12/13	69.19	72.24	3.05	3.05	100	3.05	1.43	47	SW
13	72.24	75.29	2.99	3.05	98	3.05	1.10	36	MW
13/14	75.29	78.33	3.04	3.04	100	3.04	0.53	17	MW
14	78.33	81.38	3.05	3.05	100	3.05	1.85	61	SW
14/15	81.38	84.43	3.05	3.05	100	3.05	1.59	52	MW
15/16	84.43	87.48	3.05	3.05	100	3.05	2.76	90	FR
16	87.48	90.53	3.05	3.05	100	3.05	2.46	81	SW
16/17	90.53	93.57	3.04	3.04	100	3.04	2.53	83	FR
17	93.57	96.62	3.05	3.05	100	3.05	2.17	71	SW
17/18	96.62	99.67	3.05	3.05	100	3.05	2.17	71	FR
18	99.67	102.72	3.05	3.05	100	3.05	1.70	56	SW
18/19	102.72	105.77	3.05	3.05	100	3.05	2.04	67	SW
19	105.77	108.81	3.04	3.04	100	3.04	2.55	84	FR
19/20	108.81	111.86	3.05	3.05	100	3.05	2.08	68	SW
20/21	111.86	114.91	3.05	3.05	100	3.05	2.39	78	SW
21	114.91	117.96	3.05	3.05	100	3.05	1.82	60	SW
21/22	117.96	121.01	3.05	3.05	100	3.05	1.73	57	SW
22	121.01	124.05	3.04	3.04	100	3.04	2.07	68	FR
22/23	124.05	127.10	3.05	3.05	100	3.05	2.65	87	FR
23	127.10	130.15	3.05	3.05	100	3.05	2.60	85	FR
23/24	130.15	133.20	3.05	3.05	100	3.05	2.61	86	FR
24	133.20	136.25	3.05	3.05	100	3.05	2.39	78	FR
24/25	136.25	139.29	3.04	3.04	100	3.04	1.79	59	SW
25/26	139.29	142.34	2.70	3.05	89	3.05	2.38	78	FR
26	142.34	145.39	2.60	3.05	85	3.05	0.64	21	MW
26/27	145.39	148.44	3.05	3.05	100	3.05	1.79	59	SW
27	148.44	151.49	2.98	3.05	98	3.05	2.10	69	SW
27/28	151.49	154.53	2.99	3.04	98	3.04	0.60	20	SW
28	154.53	157.58	3.05	3.05	100	3.05	1.46	48	SW
28/29	157.58	160.63	3.05	3.05	100	3.05	1.91	63	FR
29	160.63	163.68	3.05	3.05	100	3.05	2.56	84	FR
29/30	163.68	166.73	2.43	3.05	80	3.05	1.34	44	FR
30	166.73	169.77	2.99	3.04	98	3.04	0.31	10	FR
30/31	169.77	172.82	3.05	3.05	100	3.05	1.68	55	FR
31	172.82	175.87	3.05	3.05	100	3.05	0.94	31	FR
31/32	175.87	178.92	3.05	3.05	100	3.05	1.91	63	FR
32/33	178.92	181.97	3.05	3.05	100	3.05	1.70	56	FR
33	181.97	185.01	3.01	3.04	99	3.04	1.13	37	FR
33/34	185.01	188.06	3.05	3.05	100	3.05	1.64	54	FR
34	188.06	191.11	3.05	3.05	100	3.05	2.65	87	FR
34/35	191.11	194.16	3.05	3.05	100	3.05	2.76	90	FR
35	194.16	197.21	3.05	3.05	100	3.05	2.93	96	FR
35/36	197.21	200.25	3.01	3.04	99	3.04	2.22	73	FR
36/37	200.25	203.30	3.05	3.05	100	3.05	2.73	90	FR
37	203.30	206.35	3.05	3.05	100	3.05	2.79	91	FR
37/38	206.35	209.40	3.05	3.05	100	3.05	1.21	40	FR
38	209.40	212.45	3.05	3.05	100	3.05	2.55	84	FR
38/39	212.45	215.49	3.04	3.04	100	3.04	2.78	91	FR
39	215.49	218.54	3.05	3.05	100	3.05	2.49	82	FR
39/40	218.54	221.59	3.05	3.05	100	3.05	2.39	78	FR
40	221.59	224.64	3.05	3.05	100	3.05	1.89	62	FR
40/41	224.64	227.69	3.05	3.05	100	3.05	1.97	65	FR
41	227.69	230.73	3.04	3.04	100	3.04	1.63	54	FR
41/42	230.73	233.78	3.05	3.05	100	3.05	1.93	63	FR
42/43	233.78	236.83	3.05	3.05	100	3.05	1.52	50	FR
43	236.83	239.88	3.05	3.05	100	3.05	2.10	69	FR

AREA: Stemwinder
HOLE: KRR 08-14

Collar UTM Easting:	**383390**	**Azimuth:**	**220**	**Started:**	**14-Jul-08**
Northing:	**5440080**	**Dip:**	**-60**	**Completed:**	**15-Jul-08**
Grid Easting:		**Depth:**	**154.53 m**	**Drilled by:**	**More Core Drilling**
Northing:		**Elevation:**	**1459 m**	**Logged by:**	**J. Lucke**
				Operator:	**Kettle River Resources Ltd.**

Purpose: **To test the Brooklyn-Stemwinder "Gold Trend", deeper in same section as KRR 08-13**

(Note: Minor changes to drill logs by L. Caron, more significant of which are noted and initialled) Note: All angles listed in log are with respect to core axis. **Core Size:** NQ2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	2.13	Casing															
2.13	43.15	Trbbx	Coarse polymictic conglomerate, with large limestone clasts, as in hole KRR 08-13.														
			Generally pale grey/green/purple colour but occassionally darker. Angular and subangular														
			fragments of various rock types including limestone, chert, gst, intrusive. Frags typically 1 mm -														
			1 cm, oftern to 2 cm and with lst clasts infrequently 5 to 10 cm. Highly calcareous,														
			sporadically siliceous, non magnetic. Oxidation present as limonite on fracture surfaces.														
			Minimal to nil py. Overall, ground competency is poor, with high fragmentation throughout														
			section.														
			~ 9 - 11.5 m especially high fragmentation, with minor gouge														
			29.9 - 30.6 m fault at low angle, ~ 25° to axis.														
			~ 37 - 41 m particularly bad ground, with high fragmentation														
43.15	48.05	Trmd	Medium green, homogeneous, massive, fine grained to aphanitic andesite dyke (or gst?)	5226	BLANK			0.01	--	<0.1	4	11	70	6	<5	<3	5
			Minor sporadic veins/infusions of qtz/chl comination. Siliceous, calcareous, non mag.	5227	45.50	47.50	2.00	0.01	--	<0.1	14	<2	86	5	<5	<3	5
			High to extreme fragmentation.	5228	47.50	49.50	2.00	0.01	--	<0.1	15	<2	62	<5	<5	<3	10
			47.5 - 49.5 m Fault zone. V calcareous, bx'd with abund cc matrix. Highly contorted texture.	5229	49.50	51.50	2.00	0.02	--	<0.1	6	<2	86	<5	<5	<3	3
			Strong tectonic bx.														
48.05	77.82	Trbbx	Polymictic conglomerate with large limestone clasts, as above.														
			60.75 - 61.6 m Ei1 dyke. Pink to greenish grey, fine grained, Ei 1dyke, with 45° contacts.														
			70.54 - 72.62 m medium green apahitic greenstone or andesite dyke, as in 43.15 - 48.05 m.														
			Minor qtz/chl veins, siliceous, calcareous, non-mag.														
77.82	81.38	Ei1a	Fine grained pink to greenish grey syenite dyke with chilled contact margins, but with														
			later faulting along upper contact at 50°.														
			Megacrystic syenit with 20% pink Kspar to 4 mm in pink fng matrix of 75% fsp/25% mafics.														
			Weakly magnetic.														
			80.85 - 81.08 m minor Trbv inclusion														
81.38	90.53	Trbbx	Polymictic conglomerate with coarse lst clasts, as above. Considerable secondary hematite	5230	BLANK			0.01	--	<0.1	2	13	58	<5	<5	<3	5
			gives conglomerate a purple appearance.	5231	81.38	83.38	2.00	0.02	--	<0.1	18	<2	85	<5	<5	<3	2
				5232	83.38	85.38	2.00	0.02	--	<0.1	<1	<2	72	<5	<5	<3	2

ROCK TYPE			DESCRIPTION	SAMPLE				Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo
From (m)	To (m)	Lithology		Sample #	From (m)	To (m)	Interval (m)	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
90.53	95.65	Trmd	Green, fine grained to aphanitic andesite dyke , non-magnetic, somewhat siliceous and calcareous	5233	85.38	86.10	0.72	0.03	--	<0.1	<1	<2	62	<5	<5	<3	1
			with secondary hematite staining on fractures + minor ep alt'n.	5234	86.10	86.80	0.70	0.03	--	<0.1	4	<2	55	5	<5	<3	<1
				5235	86.80	88.53	1.73	0.01	--	<0.1	<1	<2	58	<5	<5	<3	1
			~ 91.5 - 91.9 m 2 cm dirty cc vein with chlorite, at 10-20°	5236	88.53	90.53	2.00	0.01	--	<0.1	2	<2	79	<5	<5	<3	2
			95.3 m fracturing, with cc infilling at 45°														
95.65	129.48	Trbbx	Polymictic conglomerate with coarse limestone clasts, as above. Locally hematitic.														
			109.1 m py/cpy blebs, to 2 cm														
			113.47 - 114.56 m Ei1a dyke. Short section of grey, badly fragmented non mag syenite.	5237	107.93	108.93	1.00	0.04	--	<0.1	23	<2	78	<5	<5	<3	2
			Sharp lower contact at 50°.	5238	108.93	109.93	1.00	0.73	--	1.9	1657	<2	88	<5	<5	<3	4
				5239	109.93	110.93	1.00	0.02	--	<0.1	2	<2	59	<5	<5	<3	2
			114.56 - 114.78 m Narrow Trbv interbed (or dyke)	5240	STD	PM 411		Ins	--	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins
				5241	110.93	113.70	2.77	0.02	--	<0.1	218	<2	65	<5	<5	<3	3
			118.2 - 121.05 m Zone of veining with several cm - 30 cm qtz-py-cpy veins that comprise about	5242	113.70	116.70	3.00	0.03	--	<0.1	6	<2	59	<5	<5	<3	2
			30% of this interval, + cc veins and irregular zones.	5243	116.70	118.20	1.50	0.02	--	<0.1	5	<2	60	<5	<5	<3	2
			118.20 - 118.32 m 20% sulfides, py + cpy	5244	118.20	119.45	1.25	2.17	2.21	2.4	2547	<2	53	6	<5	<3	1
			119.57 2 cm cc vein at 45°, with 50% sulfides, dom cpy	5245	119.45	120.05	0.60	12.37	12.48	27.0	12194	<2	70	19	<5	<3	1
			119.80 - 119.91 m 20% py, 10% cpy	5246	120.05	121.05	1.00	9.97	9.28	18.7	12669	<2	105	8	<5	<3	1
			120.75 - 121.05 m pink cc vein, with 15% cpy, 5% py	5247	121.05	124.05	3.00	0.03	--	<0.1	34	<2	75	<5	<5	<3	2
				5248	124.05	127.05	3.00	0.04	--	<0.1	21	<2	53	<5	<5	<3	1
			126.24 - 126.64 m Fault zone, highly fragmented, substantial red hematite on fracs														
			129.39 - 129.96 m Fault zone, highly fragmented, local gouge.														
129.48	146.73	Ei1	Pink/purple fsp/px/bi phyric syenite intrusive, mod magnetic with 20% white fsp and 5%														
			mafics, < 1 to 3 mm, in fine grained pink gmass.														
			133.2 - 137.2 m Fault zone, v strongly fragmented, high cc content with scattered tabular 1 cm														
			xtals and clusters. Gouge, abundant low angle fractures.														
146.73	154.53	Snowshoe	Zone of tectonic bx, graphitic, local gouge, swirled andesite, etc, as in hole KRR 08-13.														
		Fault															
			Upper contact at 146.73 m at 55°, with 5 cm cc vein.														
			In general, rock has been intensely altered such that original rock is unrecognizeable.														
			Apparent/possible occassional remnants of Trbbx. Colour varies from light grey/green to														
			almost black, depending on graphite content. Graphite to 50% in places. Extreme														
			brecciation and convolution of material into random patterns. Overall, nil to v minor py.														
154.53	EOH																

Box	From Block	To Block	Core Recovery			RQD			Weathering
			Measured Run	Theoretical Run	Recovery	Theoretical Run	Total > 10 cm pieces	Recovery	
	m	m	m	m	%	m	m	%	
1	2.13	5.18	2.30	3.05	75	3.05	0.77	25	SW
1	5.18	8.23	3.05	3.05	100	3.05	1.48	49	SW
1/2	8.23	11.28	3.02	3.05	99	3.05	0.85	28	SW
2/3	11.28	14.33	3.05	3.05	100	3.05	1.72	56	SW
3	14.33	17.37	3.04	3.04	100	3.04	2.48	82	SW
3/4	17.37	20.42	3.05	3.05	100	3.05	1.57	51	SW
4	20.42	23.47	3.05	3.05	100	3.05	1.43	47	SW
4/5	23.47	26.52	3.05	3.05	100	3.05	1.62	53	SW
5	26.52	29.57	3.05	3.05	100	3.05	1.92	63	SW
5/6	29.57	32.61	3.01	3.04	99	3.04	1.03	34	SW
6/7	32.61	35.66	3.05	3.05	100	3.05	1.58	52	SW
7	35.66	38.71	3.05	3.05	100	3.05	1.01	33	SW
7/8	38.71	41.76	3.02	3.05	99	3.05	0.85	28	SW
8	41.76	44.81	3.05	3.05	100	3.05	1.35	44	SW
8/9	44.81	47.85	3.01	3.04	99	3.04	0.28	9	SW
9/10	47.85	50.90	3.05	3.05	100	3.05	2.08	68	SW
10	50.90	53.95	3.05	3.05	100	3.05	2.19	72	SW
10/11	53.95	57.00	3.05	3.05	100	3.05	1.76	58	SW
11	57.00	60.05	3.05	3.05	100	3.05	2.40	79	SW
11/12	60.05	63.09	3.01	3.04	99	3.04	1.21	40	SW
12	63.09	66.14	3.05	3.05	100	3.05	1.69	55	SW
12/13	66.14	69.19	3.05	3.05	100	3.05	1.30	43	SW
13/14	69.19	72.24	3.05	3.05	100	3.05	1.54	50	SW
14	72.24	75.29	3.05	3.05	100	3.05	1.94	64	FR
14/15	75.29	78.33	3.04	3.04	100	3.04	1.65	54	FR
15	78.33	81.38	3.05	3.05	100	3.05	2.53	83	FR
15/16	81.38	84.43	3.05	3.05	100	3.05	2.41	79	FR
16	84.43	87.48	3.02	3.05	99	3.05	1.72	56	FR
16/17	87.48	90.53	3.05	3.05	100	3.05	1.94	64	FR
17	90.53	93.57	3.04	3.04	100	3.04	1.76	58	FR
17/18	93.57	96.62	3.05	3.05	100	3.05	1.67	55	FR
18/19	96.62	99.67	3.05	3.05	100	3.05	2.18	71	FR
19	99.67	102.72	3.05	3.05	100	3.05	1.20	39	FR
19/20	102.72	105.77	3.05	3.05	100	3.05	1.86	61	FR
20	105.77	108.81	3.04	3.04	100	3.04	2.18	72	FR
20/21	108.81	111.86	3.02	3.05	99	3.05	1.11	36	FR
21	111.86	114.91	3.05	3.05	100	3.05	1.37	45	FR
21/22	114.91	117.96	3.05	3.05	100	3.05	1.78	58	FR
22/23	117.96	121.01	3.05	3.05	100	3.05	1.92	63	FR
23	121.01	124.05	3.04	3.04	100	3.04	2.29	75	FR
23/24	124.05	127.10	3.05	3.05	100	3.05	2.09	69	FR
24	127.10	130.15	3.05	3.05	100	3.05	2.14	70	FR
24/25	130.15	133.20	3.02	3.05	99	3.05	1.38	45	FR
25	133.20	136.25	2.95	3.05	97	3.05	0.00	0	FR
25/26	136.25	139.29	3.04	3.04	100	3.04	1.95	64	FR
26/27	139.29	142.34	3.05	3.05	100	3.05	1.93	63	FR
27	142.34	145.39	3.05	3.05	100	3.05	2.45	80	FR
27/28	145.39	148.44	3.05	3.05	100	3.05	2.73	90	FR
28	148.44	151.49	3.05	3.05	100	3.05	2.03	67	FR
28/29	151.49	154.53	3.04	3.04	100	3.04	1.79	59	FR

APPENDIX 4a

Analytical Results – Soil Samples

AcmeLabs ACME ANALYTICAL LABORATORIES LTD.
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Client: **Kettle River Resources Ltd.**
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Submitted By:	Ellen Clements
Receiving Lab:	Acme Analytical Laboratories (Vancouver) Ltd.
Received:	May 08, 2008
Report Date:	May 16, 2008
Page:	1 of 8

CERTIFICATE OF ANALYSIS VAN08005739.1

CLIENT JOB INFORMATION

Project:	41
Shipment ID:	
P.O. Number	2008-2
Number of Samples:	193

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
STOR-RJT-SOIL	Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	193	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	193	Dry at 60C		
RJSV	193	Save all or part of soil reject fraction		
1DX	193	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed

ADDITIONAL COMMENTS

Invoice To: Kettle River Resources Ltd.
Box 130
Greenwood B.C. V0H 1J0
Canada

CC: Linda Caron

BRITISH COLUMBIA CERTIFIED ASSAYER
Raymond Chan

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Project: 41
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CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L3800N 7662.5E	Soil	0.8	53.5	10.8	147	0.4	24.7	13.7	865	1.65	26.7	0.3	2.4	1.5	21	1.0	0.4	0.2	31	0.39	0.065
L3800N 7675E	Soil	1.5	204.7	29.6	253	3.4	47.7	32.6	1289	3.24	58.0	1.1	19.8	3.1	29	1.3	0.9	0.5	44	0.66	0.088
L3800N 7687.5E	Soil	1.2	160.7	22.5	194	1.0	34.9	23.2	984	2.86	59.2	1.2	11.4	2.9	28	0.9	0.8	0.4	43	0.51	0.103
L3800N 7700E	Soil	0.9	115.3	16.6	163	1.3	30.8	18.2	499	2.45	23.4	0.9	10.8	3.0	33	0.9	0.6	0.3	47	0.53	0.038
L3800N 7712.5E	Soil	0.7	32.9	12.1	127	0.4	7.9	28.5	1260	1.64	48.9	0.3	1.7	0.8	39	1.0	0.6	0.1	29	0.40	0.145
L3800N 7725E	Soil	0.7	26.9	12.2	141	0.3	10.4	15.3	2455	1.94	27.6	0.4	1.8	1.6	38	1.7	0.4	0.2	38	0.33	0.166
L3800N 7737.5E	Soil	0.5	24.7	9.4	57	<0.1	14.1	8.7	354	1.84	12.4	0.6	1.8	3.6	23	0.2	0.3	0.2	42	0.20	0.040
L3800N 7762.5E	Soil	0.4	22.1	7.9	50	0.1	10.9	9.0	572	1.71	10.0	0.3	2.3	2.4	23	0.2	0.3	0.1	36	0.20	0.106
L3800N 7775E	Soil	0.4	29.8	12.4	73	<0.1	14.9	9.8	553	2.19	15.1	0.5	2.6	3.5	23	0.2	0.3	0.1	55	0.21	0.096
L3800N 7787.5E	Soil	0.4	23.8	11.0	68	0.1	13.1	8.7	580	2.12	9.3	0.4	2.2	3.0	19	0.1	0.3	0.2	50	0.17	0.070
L3800N 7800E	Soil	0.4	23.4	10.3	70	0.1	14.6	8.4	440	2.04	13.4	0.5	2.8	3.1	21	0.2	0.2	0.2	53	0.19	0.096
L3800N 7812.5E	Soil	0.4	25.4	10.1	70	0.1	17.0	8.3	337	1.88	13.4	0.4	6.4	3.2	24	0.2	0.2	0.2	45	0.20	0.155
L3800N 7825E	Soil	0.3	21.1	9.0	75	0.1	15.7	7.4	384	1.66	12.0	0.3	2.3	2.5	20	0.1	0.2	0.1	37	0.18	0.139
L3850N 7662.5E	Soil	0.8	32.9	11.7	141	0.2	22.9	8.4	571	1.92	18.4	0.6	0.8	3.2	20	1.0	0.3	0.2	40	0.26	0.103
L3850N 7675E	Soil	0.5	24.8	8.1	81	0.2	18.6	7.2	530	1.61	14.3	0.5	2.8	2.5	18	0.3	0.2	0.2	38	0.25	0.058
L3850N 7687.5E	Soil	0.7	20.2	10.4	103	0.2	20.3	7.8	538	1.80	17.1	0.4	1.9	2.9	20	0.4	0.2	0.2	39	0.27	0.062
L3850N 7700E	Soil	0.5	21.1	8.5	109	0.1	21.2	7.1	424	1.70	20.3	0.3	2.0	2.7	20	0.4	0.2	0.2	35	0.26	0.112
L3850N 7712.5E	Soil	0.4	17.6	8.5	57	0.2	15.5	6.4	288	1.68	13.6	0.4	2.8	2.9	17	0.2	0.2	0.1	39	0.22	0.063
L3850N 7725E	Soil	0.3	21.0	7.4	41	0.1	14.9	5.8	303	1.63	12.7	0.5	3.5	3.1	18	0.1	0.2	0.1	41	0.23	0.074
L3850N 7737.5E	Soil	0.3	17.7	6.0	41	<0.1	14.4	6.1	326	1.62	11.2	0.4	3.5	3.2	23	<0.1	0.2	0.1	40	0.25	0.074
L3850N 7750E	Soil	0.3	18.0	7.6	51	<0.1	14.1	6.5	291	1.81	11.6	0.5	11.9	3.1	23	0.1	0.3	0.2	44	0.21	0.105
L3850N 7762.5E	Soil	0.3	19.0	8.0	59	0.1	16.0	8.1	486	2.04	8.5	0.5	8.7	3.6	22	0.2	0.2	0.1	49	0.25	0.085
L3850N 7775E	Soil	0.3	17.6	7.8	46	<0.1	16.2	7.1	319	1.99	11.1	0.4	1.7	3.3	21	<0.1	0.2	0.1	47	0.22	0.051
L3850N 7787.5E	Soil	0.2	20.2	6.4	43	0.1	15.1	6.3	326	1.57	7.4	0.3	1.8	2.7	23	<0.1	0.1	0.1	37	0.24	0.064
L3850N 7800E	Soil	0.4	13.3	6.6	69	<0.1	12.5	6.0	351	1.66	8.1	0.3	1.8	2.2	18	0.1	0.2	0.1	39	0.17	0.089
L3850N 7812.5E	Soil	0.3	20.7	7.7	70	<0.1	17.3	6.8	405	1.80	12.4	0.3	7.6	2.7	25	0.1	0.2	0.1	40	0.26	0.132
L3850N 7825E	Soil	0.3	23.7	7.6	77	0.2	16.5	6.2	322	1.68	12.7	0.5	5.0	3.2	26	0.1	0.2	0.1	42	0.24	0.210
L3850N 7837.5E	Soil	0.3	23.7	8.9	103	0.2	16.9	6.1	391	1.55	12.8	0.4	8.2	2.7	20	0.3	0.1	0.2	35	0.20	0.273
L3900N 7662.5E	Soil	0.4	37.5	8.1	78	0.2	19.5	7.2	376	1.56	11.8	0.5	1.8	2.7	23	0.3	0.2	0.2	34	0.22	0.067
L3900N 7675E	Soil	0.6	39.0	7.6	69	0.2	19.7	7.5	463	1.77	10.0	0.4	3.1	3.3	35	0.2	0.3	0.2	43	0.46	0.029

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L3800N 7662.5E	Soil	6	14	0.33	78	0.071	3	1.31	0.032	0.11	0.3	0.01	2.0	0.1	0.08	3	0.8
L3800N 7675E	Soil	12	21	0.49	132	0.104	4	2.52	0.024	0.12	0.7	0.03	3.7	0.2	0.06	6	1.7
L3800N 7687.5E	Soil	12	18	0.45	111	0.117	3	2.60	0.025	0.13	0.6	0.03	3.5	0.2	<0.05	6	1.1
L3800N 7700E	Soil	13	26	0.48	119	0.118	3	2.11	0.031	0.13	0.3	0.04	3.8	0.1	<0.05	6	1.0
L3800N 7712.5E	Soil	4	4	0.19	126	0.055	2	1.19	0.023	0.05	0.1	0.03	1.6	<0.1	<0.05	3	0.8
L3800N 7725E	Soil	7	8	0.32	217	0.076	1	1.62	0.019	0.09	0.2	0.03	2.2	0.2	<0.05	5	0.9
L3800N 7737.5E	Soil	13	21	0.33	108	0.090	1	1.78	0.018	0.11	0.2	<0.01	2.7	0.1	<0.05	5	0.6
L3800N 7762.5E	Soil	8	18	0.29	103	0.066	3	1.28	0.019	0.10	0.2	0.01	1.8	<0.1	<0.05	4	0.8
L3800N 7775E	Soil	14	26	0.40	100	0.090	1	1.80	0.018	0.11	0.2	<0.01	2.4	<0.1	<0.05	5	<0.5
L3800N 7787.5E	Soil	10	24	0.35	130	0.088	2	1.80	0.016	0.08	0.2	0.02	2.2	<0.1	<0.05	5	<0.5
L3800N 7800E	Soil	12	28	0.35	109	0.086	<1	1.62	0.016	0.08	0.2	0.01	2.3	<0.1	<0.05	5	<0.5
L3800N 7812.5E	Soil	12	24	0.36	119	0.087	2	1.54	0.027	0.10	0.2	0.01	2.5	<0.1	<0.05	5	0.6
L3800N 7825E	Soil	9	22	0.30	158	0.078	3	1.40	0.026	0.07	0.2	0.01	2.1	<0.1	<0.05	4	0.7
L3850N 7662.5E	Soil	13	27	0.47	106	0.099	2	2.15	0.030	0.10	0.2	0.01	2.7	0.2	<0.05	5	<0.5
L3850N 7675E	Soil	10	23	0.36	104	0.092	1	1.60	0.032	0.09	0.2	0.01	2.3	0.1	<0.05	5	1.0
L3850N 7687.5E	Soil	10	25	0.36	130	0.105	3	1.83	0.027	0.12	0.1	0.01	2.3	0.1	<0.05	5	0.8
L3850N 7700E	Soil	9	21	0.33	122	0.097	2	1.77	0.025	0.11	0.2	0.02	2.3	0.1	<0.05	5	0.9
L3850N 7712.5E	Soil	10	22	0.27	109	0.077	2	1.26	0.022	0.09	0.2	0.01	2.1	0.1	<0.05	4	0.7
L3850N 7725E	Soil	13	22	0.29	96	0.073	<1	1.26	0.021	0.10	0.2	0.01	2.2	<0.1	<0.05	4	0.6
L3850N 7737.5E	Soil	13	24	0.29	107	0.068	2	1.01	0.020	0.10	0.1	<0.01	2.1	<0.1	<0.05	3	<0.5
L3850N 7750E	Soil	12	26	0.34	90	0.079	2	1.29	0.015	0.10	0.2	<0.01	2.1	<0.1	<0.05	4	0.7
L3850N 7762.5E	Soil	16	33	0.36	120	0.091	2	1.52	0.020	0.10	0.2	<0.01	2.6	<0.1	<0.05	5	<0.5
L3850N 7775E	Soil	11	30	0.40	145	0.094	2	1.56	0.022	0.11	0.2	0.01	2.2	<0.1	<0.05	5	<0.5
L3850N 7787.5E	Soil	11	24	0.30	130	0.076	<1	1.17	0.024	0.10	0.2	<0.01	2.2	<0.1	<0.05	4	0.6
L3850N 7800E	Soil	7	22	0.30	111	0.082	2	1.07	0.020	0.09	0.1	0.01	1.5	<0.1	<0.05	4	<0.5
L3850N 7812.5E	Soil	11	26	0.34	156	0.082	3	1.32	0.024	0.12	0.2	0.01	2.2	<0.1	<0.05	4	<0.5
L3850N 7825E	Soil	13	25	0.29	181	0.077	<1	1.29	0.021	0.08	0.2	0.02	2.4	<0.1	<0.05	4	<0.5
L3850N 7837.5E	Soil	9	21	0.27	176	0.082	2	1.68	0.023	0.09	0.2	0.01	2.2	<0.1	<0.05	4	<0.5
L3900N 7662.5E	Soil	13	19	0.31	78	0.114	2	2.02	0.036	0.08	0.2	0.01	2.4	0.1	<0.05	4	1.0
L3900N 7675E	Soil	18	24	0.34	70	0.120	2	1.80	0.040	0.08	0.1	0.02	3.0	0.2	<0.05	5	0.9

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Project: 41
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CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L3900N 7687.5E	Soil	0.4	16.0	7.9	52	<0.1	18.3	6.9	326	1.83	14.5	0.3	4.5	3.3	23	0.1	0.2	0.2	40	0.27	0.084
L3900N 7700E	Soil	0.4	19.9	6.4	43	<0.1	17.0	6.2	185	1.58	13.2	0.4	2.3	3.0	19	<0.1	0.1	0.1	39	0.20	0.045
L3900N 7712.5E	Soil	0.4	21.0	9.7	66	0.2	18.7	7.2	383	1.78	11.7	0.4	2.6	3.2	19	0.2	0.2	0.2	38	0.16	0.112
L3900N 7725E	Soil	0.4	12.9	10.9	103	0.1	11.1	6.6	845	1.77	9.8	0.4	2.7	2.5	23	0.1	0.2	0.2	40	0.21	0.174
L3900N 7737.5E	Soil	0.4	12.9	4.5	57	<0.1	7.0	6.8	261	1.21	11.0	0.2	0.9	1.0	14	0.1	0.2	0.1	31	0.14	0.074
L3900N 7750E	Soil	0.4	22.5	8.8	67	0.2	15.4	7.9	384	1.86	10.7	0.6	3.5	3.8	25	0.2	0.3	0.2	43	0.26	0.112
L3900N 7762.5E	Soil	0.4	19.7	7.9	50	<0.1	14.5	7.2	217	1.84	9.2	0.5	2.0	3.3	20	0.1	0.2	0.1	44	0.19	0.092
L3900N 7775E	Soil	0.4	25.0	9.0	59	0.1	15.4	8.6	279	1.98	13.3	0.6	7.8	4.1	19	0.3	0.2	0.1	50	0.22	0.105
L3900N 7787E	Soil	0.4	21.6	8.5	150	0.2	17.1	6.9	334	1.62	14.4	0.3	2.3	2.7	27	1.7	0.2	0.2	39	0.24	0.167
L3900N 7800E	Soil	0.4	26.1	8.3	97	0.1	16.7	7.0	318	1.72	10.4	0.4	4.3	3.0	21	0.6	0.1	0.1	42	0.18	0.144
L3900N 7812.5E	Soil	0.3	16.4	7.0	79	0.2	14.4	7.2	354	1.67	13.2	0.4	0.8	2.5	29	0.4	0.1	0.1	41	0.26	0.175
L3900N 7825E	Soil	0.4	21.7	8.7	85	0.1	16.1	7.7	391	1.79	9.6	0.4	2.4	3.0	21	0.2	0.2	0.2	40	0.19	0.154
L3900N 7837.5E	Soil	0.3	25.9	8.3	61	0.1	17.1	6.6	219	1.76	16.8	0.6	2.6	3.6	21	0.2	0.2	0.2	40	0.20	0.171
L3900N 7850E	Soil	0.3	19.4	6.6	65	0.1	14.2	5.7	240	1.50	9.4	0.4	3.9	2.9	15	0.2	0.1	0.1	36	0.15	0.158
L3900N 7862.5E	Soil	0.3	24.2	5.8	63	0.1	13.1	5.9	207	1.46	8.8	0.6	2.7	2.9	15	0.2	0.1	0.1	37	0.17	0.071
L3950N 7662.5E	Soil	0.6	26.7	10.9	219	0.2	19.4	8.4	563	1.93	18.1	0.6	3.7	3.1	22	1.6	0.3	0.3	42	0.23	0.135
L3950N 7675E	Soil	0.5	28.3	18.3	186	0.3	18.2	8.3	501	1.93	22.8	0.6	3.5	3.1	26	1.0	0.2	0.3	44	0.29	0.173
L3950N 7687.5E	Soil	0.7	45.1	16.0	118	0.4	19.0	9.3	333	2.21	21.4	0.8	6.7	4.5	26	0.7	0.3	0.3	57	0.39	0.056
L3950N 7700E	Soil	0.5	29.2	12.2	174	0.3	16.9	8.3	422	1.85	27.7	0.8	3.2	3.2	18	1.9	0.2	0.2	41	0.15	0.175
L3950N 7712.5E	Soil	0.5	24.5	13.6	157	0.2	19.2	8.8	374	1.99	22.2	0.5	2.3	3.1	18	1.0	0.2	0.3	46	0.18	0.165
L3950N 7725E	Soil	0.5	20.9	12.1	224	0.2	19.3	8.0	533	1.77	10.7	0.3	1.9	2.4	16	0.9	0.2	0.2	40	0.17	0.118
L3950N 7737.5E	Soil	0.4	29.0	9.8	129	0.1	21.0	8.8	328	1.97	19.8	0.4	3.5	3.3	20	0.6	0.2	0.2	45	0.16	0.109
L3950N 7750E	Soil	0.5	32.5	19.0	362	0.1	21.1	9.8	559	2.09	18.5	0.5	8.1	2.8	18	1.1	0.3	0.2	47	0.19	0.177
L3950N 7762.5E	Soil	0.5	25.6	14.3	205	0.2	20.0	8.5	436	1.94	16.5	0.6	3.5	3.1	26	1.1	0.2	0.2	42	0.24	0.214
L3950N 7775E	Soil	0.5	32.0	16.8	193	0.2	21.3	10.6	442	2.19	21.4	0.7	6.7	3.7	26	0.9	0.3	0.2	49	0.23	0.318
L3950N 7787.5E	Soil	0.4	53.2	7.0	163	0.2	12.8	5.8	264	1.30	11.0	0.4	2.5	2.2	22	1.7	0.2	0.1	32	0.25	0.051
L3950N 7800E	Soil	0.5	36.7	8.2	118	0.2	15.7	6.9	242	1.65	10.6	0.4	17.5	3.0	26	1.7	0.3	0.1	40	0.42	0.035
L3950N 7812.5E	Soil	0.4	19.5	9.4	71	<0.1	15.0	6.9	332	1.75	10.7	0.5	4.3	2.8	20	0.3	0.2	0.1	43	0.28	0.115
L3950N 7825E	Soil	0.5	26.7	11.9	86	0.1	14.9	7.2	358	1.85	13.8	0.9	12.1	3.4	23	0.3	0.2	0.2	45	0.29	0.129
L3950N 7850E	Soil	0.4	22.2	9.3	86	0.2	16.0	5.8	382	1.50	14.4	0.4	3.6	2.5	19	0.3	0.2	0.1	37	0.22	0.176

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L3900N 7687.5E	Soil		10	23	0.30	106	0.104	3	1.80	0.026	0.10	0.2	0.01	2.1	0.1	<0.05	5	<0.5
L3900N 7700E	Soil		9	22	0.23	93	0.085	1	1.41	0.024	0.07	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5
L3900N 7712.5E	Soil		12	23	0.29	136	0.086	2	1.54	0.026	0.10	0.3	0.01	2.4	0.1	<0.05	5	0.7
L3900N 7725E	Soil		10	24	0.26	134	0.078	1	1.15	0.023	0.06	0.2	0.01	1.7	<0.1	<0.05	4	<0.5
L3900N 7737.5E	Soil		4	11	0.19	59	0.060	2	0.84	0.029	0.05	0.1	<0.01	1.3	<0.1	<0.05	3	0.7
L3900N 7750E	Soil		14	28	0.32	131	0.088	2	1.44	0.022	0.10	0.2	0.02	2.4	<0.1	<0.05	5	<0.5
L3900N 7762.5E	Soil		15	28	0.32	86	0.079	1	1.25	0.017	0.11	0.2	<0.01	2.3	<0.1	<0.05	4	<0.5
L3900N 7775E	Soil		14	30	0.33	95	0.092	2	1.50	0.016	0.10	0.3	0.02	2.6	0.1	<0.05	5	0.6
L3900N 7787E	Soil		8	22	0.30	145	0.084	<1	1.40	0.018	0.09	0.2	0.02	1.9	<0.1	<0.05	4	<0.5
L3900N 7800E	Soil		11	25	0.33	125	0.074	1	1.33	0.019	0.10	0.1	<0.01	2.2	<0.1	<0.05	4	<0.5
L3900N 7812.5E	Soil		9	24	0.29	138	0.077	<1	1.35	0.045	0.11	0.2	<0.01	2.2	<0.1	<0.05	4	0.8
L3900N 7825E	Soil		10	27	0.32	191	0.077	<1	1.22	0.019	0.09	0.2	0.01	2.1	<0.1	<0.05	4	<0.5
L3900N 7837.5E	Soil		10	23	0.28	141	0.084	2	1.62	0.018	0.08	0.2	0.01	2.2	<0.1	<0.05	5	<0.5
L3900N 7850E	Soil		10	20	0.22	138	0.066	<1	1.19	0.020	0.07	0.2	0.02	2.0	<0.1	<0.05	4	<0.5
L3900N 7862.5E	Soil		11	21	0.22	113	0.071	<1	1.25	0.017	0.07	0.2	0.01	2.2	<0.1	<0.05	4	0.6
L3950N 7662.5E	Soil		10	23	0.34	125	0.114	2	2.18	0.025	0.11	0.3	0.02	2.6	0.2	<0.05	6	<0.5
L3950N 7675E	Soil		11	22	0.33	139	0.102	2	1.93	0.022	0.12	0.2	0.02	2.4	0.1	<0.05	5	<0.5
L3950N 7687.5E	Soil		21	35	0.46	105	0.091	1	1.51	0.022	0.14	0.3	0.02	4.0	0.1	<0.05	5	0.8
L3950N 7700E	Soil		12	26	0.33	102	0.088	2	1.60	0.021	0.09	0.3	0.01	2.7	0.1	<0.05	5	<0.5
L3950N 7712.5E	Soil		9	28	0.38	137	0.084	2	1.61	0.020	0.11	0.3	<0.01	2.4	0.1	<0.05	5	<0.5
L3950N 7725E	Soil		8	27	0.37	174	0.079	<1	1.24	0.019	0.10	0.2	<0.01	2.1	0.1	<0.05	4	0.6
L3950N 7737.5E	Soil		10	28	0.40	133	0.099	<1	1.64	0.020	0.11	0.2	0.01	2.5	0.1	<0.05	5	<0.5
L3950N 7750E	Soil		8	31	0.46	148	0.094	1	1.54	0.017	0.11	0.2	0.01	2.4	0.1	<0.05	5	<0.5
L3950N 7762.5E	Soil		11	28	0.40	204	0.096	2	1.72	0.020	0.11	0.2	0.01	2.8	0.1	<0.05	5	<0.5
L3950N 7775E	Soil		13	29	0.42	212	0.096	1	1.89	0.017	0.09	0.2	0.02	2.7	0.1	<0.05	6	0.9
L3950N 7787.5E	Soil		11	17	0.26	76	0.083	<1	1.39	0.027	0.07	0.1	0.01	2.0	<0.1	<0.05	3	0.7
L3950N 7800E	Soil		14	24	0.33	59	0.088	2	1.49	0.027	0.08	0.2	0.02	2.5	<0.1	<0.05	4	0.7
L3950N 7812.5E	Soil		12	26	0.31	76	0.071	1	1.17	0.020	0.08	0.2	0.01	2.1	<0.1	<0.05	4	<0.5
L3950N 7825E	Soil		17	28	0.34	103	0.080	1	1.37	0.023	0.08	0.2	0.02	2.7	<0.1	<0.05	4	0.5
L3950N 7850E	Soil		9	19	0.29	134	0.085	1	1.61	0.017	0.09	0.2	0.01	2.3	<0.1	<0.05	5	0.7

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L4000N 7662.5E	Soil	0.5	30.2	9.9	77	0.1	28.1	10.5	385	2.32	20.0	0.8	1.5	3.6	28	0.3	0.2	0.3	53	0.32	0.141
L4000N 7675E	Soil	0.4	35.4	9.6	62	0.1	21.6	8.7	412	1.96	16.1	0.6	5.9	3.3	30	0.3	0.3	0.3	40	0.38	0.080
L4000N 7687.5E	Soil	0.6	45.4	9.9	83	0.1	27.8	10.6	306	2.31	20.8	0.4	2.9	4.9	27	0.7	0.3	0.2	55	0.35	0.037
L4000N 7700E	Soil	0.5	42.5	10.1	121	0.1	24.6	10.0	358	2.08	14.4	0.4	2.0	3.9	33	4.1	0.3	0.2	44	0.54	0.039
L4000N 7712.5E	Soil	0.4	40.3	8.9	123	0.1	20.0	8.5	374	1.88	13.3	0.3	1.0	3.5	30	1.6	0.2	0.2	39	0.45	0.061
L4000N 7725E	Soil	0.5	40.0	9.2	147	0.2	21.4	9.4	371	2.04	16.7	0.6	2.1	3.5	29	1.1	0.2	0.2	45	0.31	0.108
L4000N 7737.5E	Soil	0.5	43.0	9.3	132	0.2	22.1	10.3	385	2.12	16.7	0.9	2.2	2.8	26	0.9	0.2	0.2	51	0.35	0.125
L4000N 7750E	Soil	0.6	24.2	9.1	137	0.2	14.5	10.6	412	1.91	13.8	0.6	1.6	2.6	24	1.1	0.2	0.2	35	0.20	0.220
L4000N 7762.5E	Soil	0.5	24.7	8.0	90	0.2	16.9	7.8	422	1.87	12.9	0.6	32.1	3.3	27	0.6	0.2	0.2	38	0.25	0.234
L4000N 7775E	Soil	0.4	30.7	8.1	88	<0.1	14.7	6.8	470	1.83	10.7	0.6	2.0	3.4	23	0.5	0.2	0.1	35	0.24	0.121
L4000N 7787.5E	Soil	0.5	46.8	8.2	79	0.1	17.3	7.7	300	1.96	15.2	0.9	2.4	3.7	20	0.4	0.2	0.1	44	0.23	0.107
L4000N 7800E	Soil	0.5	66.1	7.4	75	0.2	17.9	7.1	291	1.77	12.3	0.3	3.3	3.5	29	0.9	0.3	0.1	40	0.48	0.040
L4000N 7812.5E	Soil	0.4	32.6	8.3	66	0.1	14.4	6.3	285	1.74	12.8	0.5	3.7	3.3	22	0.3	0.2	0.2	42	0.23	0.198
L4000N 7825E	Soil	0.6	19.2	7.1	81	<0.1	12.4	6.2	489	1.62	10.1	0.5	2.4	2.8	32	0.4	0.1	0.1	37	0.29	0.358
L4000N 7837.5E	Soil	0.4	22.8	13.8	113	<0.1	15.4	6.6	448	1.69	15.4	0.5	1.9	3.0	21	0.5	0.2	0.2	36	0.24	0.250
L4050N 7662.5E	Soil	0.4	15.4	9.0	53	<0.1	17.3	6.5	474	1.77	6.9	0.5	5.1	2.4	29	0.1	0.2	0.2	40	0.28	0.163
L4050N 7675E	Soil	0.4	19.9	8.1	57	<0.1	18.7	7.3	387	1.94	10.3	0.6	1.7	3.2	29	0.2	0.2	0.2	45	0.28	0.144
L4050N 7687.5E	Soil	0.4	21.9	8.3	49	<0.1	17.9	6.8	309	1.83	11.1	0.7	3.5	3.2	23	0.1	0.2	0.2	39	0.24	0.120
L4050N 7700E	Soil	0.4	21.1	7.1	40	<0.1	13.7	6.0	274	1.53	7.6	0.9	1.2	2.8	20	<0.1	0.2	0.1	34	0.23	0.068
L4050N 7712.5E	Soil	0.5	24.1	9.8	66	0.2	18.4	7.5	316	1.98	10.3	2.5	5.2	3.8	27	0.2	0.2	0.2	46	0.40	0.116
L4050N 7725E	Soil	0.4	12.6	7.9	61	<0.1	13.5	6.0	429	1.63	6.3	0.4	3.4	2.3	17	<0.1	0.2	0.2	35	0.16	0.109
L4050N 7737.5E	Soil	0.3	12.8	6.3	42	<0.1	12.7	5.0	309	1.39	6.8	0.3	4.1	2.1	18	<0.1	0.1	0.1	33	0.21	0.115
L4050N 7750E	Soil	0.5	20.0	8.0	48	<0.1	15.2	5.8	260	1.63	14.8	0.5	2.4	2.8	19	0.1	0.2	0.2	38	0.21	0.134
L4050N 7762.5E	Soil	0.5	20.4	7.6	53	<0.1	16.1	6.1	389	1.63	11.8	0.7	4.8	2.8	16	<0.1	0.2	0.2	36	0.15	0.162
L4050N 7775E	Soil	0.4	18.0	7.2	47	<0.1	13.5	5.1	337	1.37	9.4	0.4	2.0	2.1	15	0.1	0.2	0.1	31	0.17	0.097
L4050N 7787.5E	Soil	0.5	11.6	5.5	47	<0.1	10.9	4.2	450	1.17	7.3	0.3	4.1	1.6	24	0.1	0.1	0.1	28	0.25	0.121
L4050N 7800E	Soil	0.4	10.9	5.2	51	0.1	7.5	3.8	506	1.12	6.8	0.2	2.3	1.1	17	0.1	0.1	0.1	27	0.12	0.226
L4050N 7812.5E	Soil	0.5	19.3	6.8	69	0.2	13.7	6.1	473	1.58	7.8	0.4	4.8	2.9	21	0.1	0.1	0.1	36	0.19	0.180
L4050N 7825E	Soil	0.3	14.3	6.8	57	<0.1	10.7	4.3	383	1.30	12.0	0.4	1.8	2.3	24	0.2	0.1	0.1	24	0.23	0.238
L4100N 7662.5E	Soil	0.4	17.3	8.2	50	0.1	12.1	4.8	337	1.41	5.7	0.7	1.9	2.9	26	0.1	<0.1	0.1	29	0.23	0.122

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L4000N 7662.5E	Soil	16	39	0.58	93	0.125	2	2.17	0.027	0.10	0.2	0.01	3.3	0.2	<0.05	6	0.7
L4000N 7675E	Soil	18	29	0.48	87	0.129	3	2.26	0.035	0.10	0.2	0.02	3.8	0.2	<0.05	6	0.8
L4000N 7687.5E	Soil	24	40	0.57	97	0.146	2	2.10	0.037	0.11	0.3	0.01	4.5	0.2	<0.05	7	<0.5
L4000N 7700E	Soil	17	34	0.52	82	0.130	2	1.96	0.035	0.11	0.2	0.01	3.7	0.2	<0.05	5	0.7
L4000N 7712.5E	Soil	20	27	0.42	83	0.114	2	2.01	0.033	0.09	0.2	0.02	3.5	0.1	<0.05	5	1.0
L4000N 7725E	Soil	17	30	0.46	108	0.113	2	1.95	0.027	0.11	0.2	0.01	3.0	0.1	<0.05	6	<0.5
L4000N 7737.5E	Soil	12	34	0.50	94	0.108	1	1.67	0.025	0.10	0.2	0.01	2.9	0.1	<0.05	5	0.6
L4000N 7750E	Soil	9	21	0.29	109	0.101	1	1.77	0.021	0.09	0.1	0.01	2.6	0.1	<0.05	5	<0.5
L4000N 7762.5E	Soil	11	26	0.34	140	0.098	1	1.76	0.024	0.11	0.1	0.02	2.8	0.1	<0.05	5	0.8
L4000N 7775E	Soil	14	24	0.29	98	0.093	2	1.55	0.021	0.09	0.2	0.01	2.6	0.1	<0.05	5	0.8
L4000N 7787.5E	Soil	17	30	0.36	79	0.093	1	1.58	0.023	0.08	0.2	<0.01	2.8	<0.1	<0.05	5	<0.5
L4000N 7800E	Soil	17	25	0.33	66	0.094	3	1.46	0.029	0.08	0.2	0.02	3.1	<0.1	<0.05	4	1.0
L4000N 7812.5E	Soil	9	23	0.32	86	0.093	2	1.62	0.033	0.10	0.2	0.01	2.7	<0.1	<0.05	5	<0.5
L4000N 7825E	Soil	9	21	0.27	195	0.079	3	1.46	0.026	0.10	0.2	<0.01	2.8	<0.1	<0.05	4	<0.5
L4000N 7837.5E	Soil	7	23	0.35	124	0.079	<1	1.46	0.032	0.07	0.1	0.02	2.4	<0.1	<0.05	5	<0.5
L4050N 7662.5E	Soil	8	27	0.46	165	0.093	3	1.44	0.023	0.13	0.1	0.01	2.5	<0.1	<0.05	5	<0.5
L4050N 7675E	Soil	10	30	0.47	173	0.109	2	1.73	0.021	0.12	0.2	0.01	2.9	0.1	<0.05	5	<0.5
L4050N 7687.5E	Soil	12	27	0.42	119	0.096	2	1.69	0.022	0.10	0.1	<0.01	2.9	<0.1	<0.05	5	<0.5
L4050N 7700E	Soil	13	21	0.34	85	0.096	2	1.74	0.040	0.08	0.2	0.01	2.9	<0.1	<0.05	5	<0.5
L4050N 7712.5E	Soil	25	26	0.47	110	0.113	3	2.14	0.026	0.09	0.2	0.03	3.4	0.1	<0.05	5	0.5
L4050N 7725E	Soil	7	23	0.35	163	0.084	2	1.32	0.024	0.09	0.1	0.01	1.8	<0.1	<0.05	5	<0.5
L4050N 7737.5E	Soil	6	18	0.27	121	0.083	2	1.30	0.037	0.09	0.1	<0.01	2.1	<0.1	<0.05	4	<0.5
L4050N 7750E	Soil	8	19	0.29	112	0.104	2	1.95	0.029	0.08	0.2	0.01	2.4	<0.1	<0.05	5	<0.5
L4050N 7762.5E	Soil	12	22	0.28	130	0.085	2	1.65	0.023	0.08	0.2	<0.01	2.6	<0.1	<0.05	5	0.5
L4050N 7775E	Soil	7	18	0.23	111	0.063	<1	1.09	0.029	0.07	0.1	<0.01	1.9	<0.1	<0.05	3	<0.5
L4050N 7787.5E	Soil	7	14	0.17	150	0.067	2	1.04	0.028	0.09	0.1	0.01	1.7	<0.1	<0.05	3	<0.5
L4050N 7800E	Soil	4	13	0.13	237	0.057	1	0.90	0.018	0.08	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5
L4050N 7812.5E	Soil	10	22	0.23	155	0.083	2	1.40	0.024	0.09	0.2	0.01	2.7	<0.1	<0.05	4	<0.5
L4050N 7825E	Soil	6	14	0.20	142	0.077	1	1.47	0.022	0.07	0.2	0.02	2.1	<0.1	<0.05	4	<0.5
L4100N 7662.5E	Soil	11	16	0.26	138	0.103	4	1.92	0.031	0.08	0.3	0.02	2.5	<0.1	<0.05	5	<0.5

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L4100N 7675E	Soil	0.6	21.1	8.9	61	0.1	15.4	5.9	351	1.68	12.0	1.0	1.9	3.2	21	0.2	0.2	0.2	35	0.23	0.107
L4100N 7687.5E	Soil	0.4	19.9	8.5	80	<0.1	21.6	6.9	325	1.91	10.7	0.6	2.6	3.2	25	0.2	0.2	0.2	39	0.20	0.174
L4100N 7700E	Soil	0.5	17.9	7.8	74	<0.1	16.0	6.2	684	1.60	5.5	0.4	1.2	2.6	28	0.2	0.1	0.1	35	0.21	0.126
L4100N 7712.5E	Soil	0.6	18.7	9.5	62	<0.1	15.5	6.3	492	1.68	10.4	0.7	2.3	3.1	29	0.1	0.2	0.2	35	0.31	0.202
L4100N 7725E	Soil	0.5	28.0	8.6	69	0.4	18.7	6.4	281	1.73	15.1	0.5	3.1	3.3	17	<0.1	0.2	0.2	39	0.14	0.205
L4100N 7737.5E	Soil	0.5	19.2	7.8	79	0.1	17.3	6.3	295	1.78	10.4	0.4	2.0	3.3	23	<0.1	0.2	0.2	38	0.21	0.225
L4100N 7750E	Soil	0.4	15.0	7.3	61	<0.1	13.0	5.0	404	1.53	10.1	0.3	1.6	2.6	23	0.1	0.2	0.1	31	0.16	0.248
L4100N 7762.5E	Soil	0.5	10.6	6.7	42	<0.1	9.8	4.5	323	1.53	6.0	0.3	3.8	2.2	19	<0.1	0.2	0.1	38	0.19	0.067
L4100N 7775E	Soil	0.5	25.4	8.8	51	<0.1	15.8	6.6	284	1.86	12.5	0.6	4.2	3.4	20	0.1	0.2	0.1	43	0.20	0.122
L4100N 7787.5E	Soil	0.7	22.3	8.8	81	0.1	19.1	6.9	357	1.88	14.7	0.4	2.4	2.9	24	0.1	0.2	0.2	46	0.22	0.165
L4100N 7800E	Soil	0.4	17.2	7.2	82	0.1	16.5	5.9	410	1.56	7.4	0.3	3.2	2.3	23	0.1	0.1	0.2	40	0.21	0.131
L4150N 7662.5E	Soil	0.5	15.8	7.3	96	<0.1	15.6	5.8	634	1.47	11.2	0.3	2.2	1.9	20	0.2	0.2	0.2	32	0.16	0.221
L4150N 7675E	Soil	0.6	26.0	7.6	91	0.1	21.2	7.2	635	1.72	9.4	0.3	7.8	2.7	24	0.1	0.1	0.2	38	0.21	0.146
L4150N 7687.5E	Soil	0.5	23.6	8.8	62	0.2	17.8	5.7	382	1.48	15.4	0.5	1.8	2.4	27	0.1	0.2	0.2	29	0.22	0.162
L4150N 7700E	Soil	0.4	33.7	7.0	50	<0.1	21.8	8.0	383	1.91	13.4	0.5	6.3	3.1	26	<0.1	0.2	0.1	45	0.27	0.073
L4150N 7712.5E	Soil	0.6	20.9	6.6	57	<0.1	15.6	5.5	326	1.51	14.7	0.6	2.3	2.6	24	0.1	0.2	0.2	31	0.23	0.104
L4150N 7725E	Soil	0.5	19.1	6.6	77	0.1	18.0	6.0	305	1.58	15.9	0.4	4.5	2.6	32	0.2	0.2	0.1	31	0.31	0.280
L4150N 7737.5E	Soil	0.6	18.7	6.9	66	0.1	17.4	6.2	406	1.63	13.0	0.5	2.2	2.6	23	<0.1	0.2	0.2	32	0.23	0.150
L4150N 7750E	Soil	0.6	23.9	6.7	64	0.1	15.9	5.8	420	1.57	15.5	0.5	5.6	2.1	18	0.2	0.2	0.2	30	0.16	0.183
L4150N 7762.5E	Soil	0.5	17.1	6.5	76	0.1	12.6	5.3	783	1.40	9.8	0.3	4.6	2.0	35	0.2	0.2	0.2	27	0.35	0.260
L4150N 7775E	Soil	0.4	13.0	4.7	100	<0.1	8.6	4.4	682	1.15	7.8	0.2	3.1	1.5	27	0.2	0.1	0.1	24	0.19	0.186
L4200N 7662.5E	Soil	0.6	16.4	5.3	83	<0.1	10.2	4.2	695	1.18	22.1	0.3	1.9	1.4	32	0.2	0.2	0.2	23	0.15	0.461
L4200N 7675E	Soil	0.4	13.7	6.1	64	<0.1	11.1	4.8	518	1.31	16.4	0.2	1.9	1.9	62	0.2	0.2	0.1	25	0.36	0.371
L4200N 7687.5E	Soil	0.6	16.9	5.7	45	<0.1	11.9	5.2	275	1.43	12.9	0.3	3.0	1.8	19	0.2	0.2	0.2	31	0.20	0.092
L4200N 7700E	Soil	0.4	21.5	5.8	70	0.1	15.6	6.0	344	1.62	16.4	0.5	<0.5	1.8	34	0.2	0.2	0.2	30	0.26	0.308
L4200N 7712.5E	Soil	0.3	14.2	4.4	41	<0.1	11.5	4.7	287	1.38	9.9	0.3	2.6	2.2	21	0.1	0.1	0.1	30	0.18	0.157
L4200N 7725E	Soil	0.3	10.9	5.3	67	<0.1	10.5	4.8	414	1.43	10.0	0.3	1.3	1.9	29	0.2	0.1	0.2	27	0.20	0.376
L4200N 7737.5E	Soil	0.4	19.4	4.8	65	0.1	11.6	5.2	404	1.35	12.5	0.4	1.5	1.9	23	0.1	0.2	0.1	28	0.21	0.165
L4200N 7750E	Soil	0.5	11.6	5.7	55	<0.1	8.4	4.3	550	1.27	11.2	0.3	2.4	1.7	28	0.2	0.1	0.1	23	0.23	0.323
L4250N 7662.5E	Soil	0.7	44.2	7.5	62	0.3	28.1	10.6	297	2.25	32.6	0.3	126.4	3.1	43	0.2	0.4	0.2	46	0.56	0.032

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L4100N 7675E	Soil	9	19	0.30	130	0.112	3	2.18	0.029	0.09	0.2	0.01	2.5	<0.1	<0.05	6	<0.5
L4100N 7687.5E	Soil	10	27	0.38	164	0.101	3	1.72	0.035	0.11	0.2	<0.01	2.8	0.1	<0.05	6	<0.5
L4100N 7700E	Soil	10	23	0.30	222	0.091	2	1.45	0.039	0.10	0.1	0.02	2.9	0.1	<0.05	5	<0.5
L4100N 7712.5E	Soil	12	21	0.31	175	0.102	2	1.85	0.026	0.10	0.2	0.01	2.6	<0.1	<0.05	5	<0.5
L4100N 7725E	Soil	8	24	0.32	133	0.101	1	1.91	0.039	0.09	0.2	<0.01	2.4	<0.1	<0.05	6	<0.5
L4100N 7737.5E	Soil	10	28	0.33	184	0.092	2	1.69	0.026	0.08	0.2	0.01	2.8	<0.1	<0.05	5	<0.5
L4100N 7750E	Soil	8	18	0.23	180	0.078	2	1.36	0.022	0.08	0.2	0.02	2.2	<0.1	<0.05	4	<0.5
L4100N 7762.5E	Soil	8	24	0.21	97	0.063	2	0.72	0.020	0.06	0.2	<0.01	1.6	<0.1	<0.05	3	<0.5
L4100N 7775E	Soil	12	28	0.34	110	0.083	2	1.63	0.024	0.12	0.2	<0.01	2.5	<0.1	<0.05	5	<0.5
L4100N 7787.5E	Soil	9	30	0.33	131	0.101	2	1.60	0.033	0.09	0.2	0.01	2.2	<0.1	<0.05	5	<0.5
L4100N 7800E	Soil	7	26	0.30	168	0.089	2	1.25	0.028	0.10	0.1	0.01	2.1	<0.1	<0.05	4	<0.5
L4150N 7662.5E	Soil	6	19	0.23	244	0.083	2	1.37	0.026	0.07	0.1	0.02	1.8	<0.1	<0.05	4	<0.5
L4150N 7675E	Soil	8	28	0.34	242	0.090	2	1.54	0.031	0.11	0.2	0.02	2.5	0.1	<0.05	5	<0.5
L4150N 7687.5E	Soil	8	17	0.25	168	0.093	2	1.87	0.032	0.09	0.1	0.03	2.1	<0.1	<0.05	5	0.5
L4150N 7700E	Soil	9	35	0.40	150	0.101	2	1.57	0.026	0.16	0.2	<0.01	3.0	0.1	<0.05	5	<0.5
L4150N 7712.5E	Soil	9	17	0.22	141	0.104	2	1.92	0.036	0.07	0.2	0.01	2.2	<0.1	<0.05	5	<0.5
L4150N 7725E	Soil	6	18	0.25	182	0.095	3	1.93	0.028	0.09	0.2	0.02	2.2	<0.1	<0.05	5	<0.5
L4150N 7737.5E	Soil	7	19	0.24	137	0.098	2	1.86	0.035	0.08	0.2	0.02	2.0	<0.1	<0.05	5	<0.5
L4150N 7750E	Soil	7	19	0.23	131	0.083	1	1.99	0.028	0.10	0.1	0.02	1.9	0.1	<0.05	5	<0.5
L4150N 7762.5E	Soil	7	18	0.23	218	0.073	2	1.57	0.024	0.10	0.1	0.02	1.9	<0.1	<0.05	4	<0.5
L4150N 7775E	Soil	5	12	0.15	233	0.056	2	1.14	0.030	0.07	0.1	0.01	1.4	<0.1	<0.05	3	<0.5
L4200N 7662.5E	Soil	7	14	0.16	192	0.059	2	1.50	0.022	0.07	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5
L4200N 7675E	Soil	6	16	0.17	174	0.056	3	1.33	0.019	0.08	0.1	0.01	1.6	<0.1	<0.05	4	<0.5
L4200N 7687.5E	Soil	6	18	0.20	80	0.072	2	1.46	0.034	0.07	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5
L4200N 7700E	Soil	7	19	0.21	155	0.074	2	1.96	0.026	0.07	0.1	0.02	1.8	<0.1	<0.05	5	<0.5
L4200N 7712.5E	Soil	9	19	0.19	92	0.045	<1	0.99	0.015	0.06	0.1	0.01	1.5	<0.1	<0.05	3	<0.5
L4200N 7725E	Soil	6	16	0.17	245	0.063	2	1.46	0.018	0.07	0.1	0.02	1.8	<0.1	<0.05	4	<0.5
L4200N 7737.5E	Soil	7	17	0.19	117	0.065	2	1.46	0.027	0.08	0.1	<0.01	1.7	<0.1	<0.05	4	<0.5
L4200N 7750E	Soil	5	12	0.15	194	0.069	2	1.49	0.027	0.06	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5
L4250N 7662.5E	Soil	14	39	0.48	98	0.107	3	1.77	0.042	0.13	0.1	0.02	3.1	0.2	<0.05	5	<0.5

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CERTIFICATE OF ANALYSIS VAN08005739.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L4250N 7675E	Soil	0.9	44.2	5.6	55	0.2	21.5	7.8	493	1.73	21.9	0.3	<0.5	2.2	46	0.3	0.4	0.2	32	0.59	0.025
L4250N 7687.5E	Soil	0.8	42.5	6.6	62	0.2	24.0	9.4	337	2.09	24.3	0.3	2.9	2.8	44	0.3	0.3	0.2	42	0.59	0.027
L4250N 7700E	Soil	1.0	52.8	7.8	66	0.2	23.2	8.5	543	1.83	22.0	0.4	5.5	2.5	46	0.3	0.5	0.2	37	0.64	0.034
L4250N 7712.5E	Soil	0.8	30.6	10.6	85	0.1	19.7	7.1	354	1.70	15.4	0.5	4.6	1.9	42	0.4	0.3	0.2	36	0.72	0.062
L4250N 7725E	Soil	1.2	22.8	7.4	59	<0.1	14.6	6.0	277	1.41	16.5	0.4	3.4	1.4	29	0.2	0.3	0.1	31	0.44	0.063
L4250N 7737.5E	Soil	0.7	26.8	7.1	65	0.1	18.7	7.5	347	1.72	15.7	0.4	2.6	2.0	35	0.3	0.3	0.2	36	0.51	0.048
L4250N 7750E	Soil	1.7	86.2	6.3	50	0.2	19.9	6.7	498	1.62	15.7	0.6	3.6	1.7	49	0.7	0.5	0.2	34	0.75	0.035
L4300N 7662.5E	Soil	0.4	15.7	6.6	49	<0.1	11.1	4.8	520	1.29	9.9	0.3	15.1	1.8	25	0.1	0.1	0.2	28	0.21	0.187
L4300N 7675E	Soil	0.4	15.2	5.3	47	<0.1	11.1	4.6	454	1.27	10.4	0.3	11.7	1.6	20	0.1	0.2	0.2	26	0.19	0.172
L4300N 7687.5E	Soil	0.4	23.6	8.4	49	0.1	11.9	5.9	328	1.55	13.1	0.6	1.6	2.6	26	0.1	0.2	0.2	36	0.25	0.111
L4300N 7700E	Soil	0.4	23.6	6.7	70	0.1	14.9	6.7	478	1.68	11.4	0.4	3.6	2.6	33	0.1	0.2	0.2	35	0.21	0.271
L4300N 7712.5E	Soil	0.4	16.7	6.7	67	<0.1	14.3	5.7	592	1.49	16.6	0.3	0.7	2.3	26	0.1	0.2	0.2	32	0.23	0.186
L4300N 7725E	Soil	0.4	22.4	7.8	59	<0.1	15.6	6.6	458	1.68	15.1	0.4	12.3	2.7	29	0.1	0.2	0.2	34	0.27	0.183
L4300N 7737.5E	Soil	0.4	13.4	6.5	55	<0.1	13.3	5.9	392	1.52	14.8	0.3	1.9	2.2	28	<0.1	0.1	0.1	31	0.30	0.166
L4300N 7750E	Soil	0.4	12.0	5.3	48	0.1	9.6	4.4	481	1.13	9.1	0.3	1.4	1.4	23	<0.1	0.1	0.1	22	0.23	0.162
L4350N 7662.5E	Soil	0.4	26.8	6.5	53	<0.1	16.2	6.1	334	1.52	20.7	0.4	4.2	2.5	32	0.1	0.3	0.2	31	0.36	0.125
L4350N 7675E	Soil	0.3	36.4	7.2	60	0.1	19.3	7.2	239	1.70	21.1	0.5	3.9	3.1	38	0.2	0.2	0.3	35	0.35	0.055
L4350N 7687.5E	Soil	0.4	33.4	7.5	65	0.1	19.7	7.3	241	1.91	20.7	0.5	2.4	3.4	35	0.1	0.2	0.3	40	0.34	0.039
L4350N 7700E	Soil	0.4	29.0	7.6	67	0.2	20.8	8.0	276	1.92	19.7	0.6	3.2	3.1	38	0.1	0.2	0.3	40	0.40	0.050
L4350N 7712.5E	Soil	0.3	20.6	6.6	52	<0.1	13.6	6.0	448	1.51	14.4	0.4	1.7	2.7	32	0.1	0.2	0.2	32	0.26	0.084
L4350N 7725E	Soil	0.3	20.9	7.0	58	<0.1	13.4	6.0	335	1.51	13.1	0.6	6.7	2.5	23	0.1	0.2	0.2	31	0.22	0.122
L4350N 7737.5E	Soil	0.3	18.9	6.6	59	<0.1	12.5	5.3	458	1.35	14.8	0.6	3.5	2.3	39	0.1	0.1	0.1	29	0.34	0.148
L4350N 7750E	Soil	0.4	19.1	7.6	62	0.1	11.4	5.0	518	1.29	14.5	0.4	2.4	2.3	43	0.2	0.2	0.1	26	0.40	0.177
L4350N 7762.5E	Soil	0.4	20.4	7.2	59	0.1	13.3	5.3	434	1.37	11.4	0.9	2.7	2.2	40	0.2	0.2	0.1	28	0.39	0.151
L4350N 7775E	Soil	0.3	24.4	10.6	56	0.1	16.0	6.3	352	1.57	13.1	0.7	47.8	2.9	37	0.2	0.2	0.1	37	0.36	0.156
L4350N 7787.5E	Soil	0.6	22.2	11.0	46	0.1	16.2	6.0	356	1.57	10.2	0.5	3.1	2.6	30	0.1	0.2	0.1	38	0.29	0.088
L4400N 7662.5E	Soil	0.6	24.7	8.6	73	0.2	19.7	7.2	429	1.79	12.5	0.7	0.7	3.4	37	0.1	0.2	0.2	40	0.37	0.320
L4400N 7675E	Soil	0.5	31.5	7.8	74	0.2	18.5	7.3	441	1.86	12.7	0.7	2.6	3.4	27	<0.1	0.2	0.1	38	0.24	0.200
L4400N 7687.5E	Soil	0.5	37.6	7.9	53	0.1	20.0	8.0	265	1.81	15.0	0.9	1.6	3.7	22	<0.1	0.3	0.1	47	0.23	0.119
L4400N 7700E	Soil	0.4	28.9	11.4	69	0.1	19.2	7.6	552	1.83	12.4	0.5	1.2	3.0	68	0.3	0.3	0.2	38	0.85	0.120

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L4250N 7675E	Soil	15	26	0.34	85	0.082	3	1.55	0.047	0.10	0.1	0.02	2.7	0.1	<0.05	4	<0.5
L4250N 7687.5E	Soil	12	33	0.41	89	0.094	3	1.57	0.043	0.11	0.1	0.02	2.7	0.2	<0.05	4	0.5
L4250N 7700E	Soil	17	30	0.40	88	0.086	3	1.55	0.046	0.10	0.1	0.02	2.8	0.1	<0.05	4	<0.5
L4250N 7712.5E	Soil	12	25	0.34	87	0.084	5	1.55	0.032	0.10	0.3	0.03	2.1	0.1	<0.05	4	<0.5
L4250N 7725E	Soil	9	17	0.27	58	0.071	3	1.32	0.028	0.07	0.1	0.02	1.6	<0.1	<0.05	4	<0.5
L4250N 7737.5E	Soil	14	25	0.35	77	0.083	3	1.63	0.040	0.08	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5
L4250N 7750E	Soil	21	23	0.31	81	0.073	3	1.32	0.044	0.15	0.1	0.03	2.6	0.1	<0.05	3	0.6
L4300N 7662.5E	Soil	6	16	0.19	175	0.059	1	1.15	0.026	0.07	0.1	0.02	1.5	<0.1	<0.05	3	<0.5
L4300N 7675E	Soil	6	14	0.17	172	0.068	2	1.34	0.027	0.08	0.1	0.01	1.6	<0.1	<0.05	4	<0.5
L4300N 7687.5E	Soil	13	21	0.24	148	0.069	<1	1.34	0.024	0.09	0.1	0.02	2.0	0.1	<0.05	4	<0.5
L4300N 7700E	Soil	10	24	0.27	233	0.071	2	1.47	0.025	0.10	0.1	<0.01	2.1	<0.1	<0.05	4	<0.5
L4300N 7712.5E	Soil	7	18	0.22	193	0.083	2	1.68	0.025	0.10	0.1	<0.01	1.7	<0.1	<0.05	4	<0.5
L4300N 7725E	Soil	9	21	0.27	190	0.090	3	1.87	0.026	0.13	0.1	0.01	2.1	<0.1	<0.05	5	<0.5
L4300N 7737.5E	Soil	6	18	0.23	141	0.083	2	1.69	0.024	0.10	0.1	<0.01	1.7	<0.1	<0.05	5	<0.5
L4300N 7750E	Soil	5	11	0.16	158	0.064	2	1.31	0.029	0.08	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5
L4350N 7662.5E	Soil	12	19	0.28	114	0.075	2	1.65	0.029	0.11	0.1	0.01	2.3	0.1	<0.05	4	<0.5
L4350N 7675E	Soil	17	22	0.32	92	0.079	2	1.80	0.039	0.08	0.1	0.01	2.6	0.1	<0.05	5	<0.5
L4350N 7687.5E	Soil	17	27	0.35	106	0.089	1	1.77	0.035	0.08	<0.1	0.01	2.8	0.1	<0.05	5	<0.5
L4350N 7700E	Soil	20	27	0.36	104	0.089	1	1.86	0.034	0.08	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5
L4350N 7712.5E	Soil	11	20	0.26	134	0.079	1	1.51	0.033	0.12	0.1	<0.01	2.2	<0.1	<0.05	4	<0.5
L4350N 7725E	Soil	9	19	0.25	101	0.079	2	1.57	0.034	0.08	0.1	<0.01	2.2	<0.1	<0.05	4	<0.5
L4350N 7737.5E	Soil	10	16	0.22	151	0.076	2	1.54	0.030	0.07	0.1	0.01	1.9	<0.1	<0.05	4	<0.5
L4350N 7750E	Soil	10	13	0.20	173	0.076	2	1.56	0.032	0.12	0.1	0.02	1.9	<0.1	<0.05	4	<0.5
L4350N 7762.5E	Soil	12	15	0.22	124	0.078	3	1.59	0.032	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5
L4350N 7775E	Soil	12	18	0.28	131	0.087	3	1.71	0.031	0.08	0.1	0.03	2.1	<0.1	0.10	5	<0.5
L4350N 7787.5E	Soil	10	20	0.32	102	0.084	2	1.36	0.031	0.09	0.1	0.03	2.0	<0.1	0.07	4	<0.5
L4400N 7662.5E	Soil	12	24	0.35	255	0.097	2	2.11	0.021	0.14	0.2	0.02	2.7	0.1	<0.05	6	<0.5
L4400N 7675E	Soil	14	25	0.36	195	0.077	2	1.88	0.022	0.11	0.2	0.02	2.7	0.1	<0.05	5	<0.5
L4400N 7687.5E	Soil	19	30	0.37	111	0.092	2	1.62	0.024	0.12	0.2	0.02	3.2	0.1	<0.05	5	<0.5
L4400N 7700E	Soil	15	28	0.40	171	0.080	7	1.59	0.099	0.22	0.1	0.02	2.7	0.1	0.06	5	<0.5

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L4400N 7712.5E	Soil	0.6	29.6	10.1	68	0.2	17.1	7.7	561	1.78	10.2	0.6	2.8	2.5	46	0.3	0.3	0.1	43	0.66	0.072
L4400N 7725E	Soil	0.5	19.4	7.8	77	<0.1	15.5	6.7	445	1.58	12.1	1.0	1.2	2.7	23	<0.1	0.2	0.2	36	0.20	0.156
L4400N 7737.5E	Soil	0.5	17.5	8.6	73	0.1	13.9	6.4	528	1.63	8.3	0.6	1.2	3.1	37	0.2	0.2	0.1	34	0.31	0.186
L4400N 7750E	Soil	0.5	28.1	7.4	49	0.1	14.0	5.6	434	1.35	13.1	0.8	0.9	2.6	36	<0.1	0.1	0.1	31	0.33	0.153
L4400N 7762.5E	Soil	0.5	24.4	6.9	42	0.1	16.0	6.1	285	1.60	9.9	0.8	0.6	3.2	29	<0.1	0.2	0.1	37	0.29	0.071
L4400N 7775E	Soil	0.4	19.6	6.8	48	0.1	14.6	5.4	372	1.47	9.6	0.6	<0.5	3.2	37	<0.1	0.1	0.1	34	0.35	0.148
L4400N 7787.5E	Soil	0.3	11.8	5.8	46	<0.1	9.6	4.3	358	1.18	6.5	0.4	1.3	2.1	25	<0.1	0.1	0.1	28	0.24	0.137
L4400N 7800E	Soil	0.5	16.3	7.6	49	0.1	15.3	5.2	454	1.53	8.3	0.7	1.8	3.5	28	<0.1	0.1	0.1	33	0.23	0.229
L4400N 7812.5E	Soil	0.5	13.8	6.1	43	<0.1	11.4	5.1	312	1.27	6.5	0.4	0.9	2.4	26	<0.1	<0.1	0.1	30	0.15	0.168
L4450N 7662.5E	Soil	0.5	29.0	8.0	58	0.1	17.5	7.7	325	1.94	12.8	0.9	1.2	3.8	34	0.1	0.2	0.1	46	0.31	0.116
L4450N 7675E	Soil	0.5	22.3	6.5	60	0.2	16.9	6.6	333	1.70	12.2	0.6	2.2	3.3	26	0.1	0.1	0.1	39	0.22	0.199
L4450N 7687.5E	Soil	0.4	27.3	7.1	48	0.2	17.1	7.3	263	1.82	12.6	1.0	2.6	4.1	26	0.1	0.2	0.1	44	0.25	0.142
L4450N 7700E	Soil	0.5	21.4	6.8	53	0.1	15.3	6.4	337	1.56	9.6	0.7	2.3	3.1	23	<0.1	0.2	0.1	36	0.24	0.154
L4450N 7712.5E	Soil	0.5	13.0	6.9	64	0.1	13.5	5.8	405	1.67	5.7	0.5	1.0	3.4	19	<0.1	0.1	0.1	39	0.17	0.148
L4450N 7725E	Soil	0.4	23.1	9.4	56	0.2	13.9	6.8	414	1.69	8.7	0.8	45.1	3.3	39	0.2	0.2	0.1	45	0.48	0.085
L4450N 7737.5E	Soil	0.5	14.4	8.1	63	<0.1	13.6	5.4	383	1.65	7.1	1.1	2.6	4.1	32	<0.1	0.2	0.1	34	0.23	0.166
L4450N 7750E	Soil	0.5	23.8	9.2	67	<0.1	14.3	6.2	327	1.81	8.9	1.1	2.3	4.8	37	<0.1	0.2	0.1	39	0.28	0.223
L4450N 7762.5E	Soil	0.4	16.0	6.8	88	<0.1	16.9	5.5	486	1.61	5.5	0.5	1.9	3.3	25	0.1	0.1	0.1	37	0.18	0.174
L4450N 7775E	Soil	0.5	21.1	7.2	77	0.1	16.1	5.7	393	1.55	7.2	0.6	3.9	3.4	29	0.1	0.2	0.1	35	0.19	0.253
L4450N 7787.5E	Soil	0.6	15.2	7.0	41	<0.1	12.6	5.5	230	1.64	6.8	0.5	2.0	3.5	31	<0.1	0.2	0.1	39	0.23	0.136
L4450N 7800E	Soil	0.5	48.2	7.4	21	0.1	8.5	3.9	592	1.03	3.4	1.1	7.2	1.4	63	0.2	0.3	<0.1	32	0.62	0.029
L4450N 7812.5E	Soil	0.5	23.7	9.8	47	0.1	15.6	7.0	249	2.14	6.5	0.9	6.5	6.4	47	0.1	0.2	0.2	50	0.40	0.038
L4450N 7825E	Soil	0.5	19.3	8.4	40	<0.1	15.2	6.0	202	1.90	6.2	0.7	2.1	4.9	32	<0.1	0.2	0.1	41	0.25	0.086
L4450N 7837.5E	Soil	0.5	15.0	7.4	67	<0.1	13.7	5.4	434	1.62	7.2	0.6	0.9	3.8	29	0.1	0.2	0.1	38	0.26	0.236
L4450N 7850E	Soil	0.4	15.8	8.2	54	0.1	13.5	5.9	272	1.83	9.0	0.7	5.3	5.0	33	<0.1	0.2	0.1	43	0.31	0.236
L4500N 7662.5E	Soil	0.4	22.1	9.6	77	<0.1	19.8	8.0	364	2.11	11.0	0.7	3.0	4.8	22	0.1	0.2	0.1	50	0.19	0.155
L4500N 7675E	Soil	0.6	18.5	7.6	70	0.1	15.0	6.4	325	1.73	8.3	0.6	4.1	3.7	20	0.2	0.2	0.1	42	0.18	0.147
L4500N 7687.5E	Soil	0.5	21.1	8.6	68	0.2	15.4	6.6	345	1.80	9.8	0.7	2.5	4.2	23	0.1	0.1	0.1	43	0.19	0.161
L4500N 7700E	Soil	0.6	15.5	6.8	52	<0.1	15.9	6.6	200	2.20	5.7	0.7	<0.5	4.9	24	<0.1	0.2	<0.1	58	0.20	0.065
L4500N 7712.5E	Soil	0.6	9.9	6.4	47	<0.1	7.3	4.2	306	1.37	4.1	0.4	1.7	2.7	23	<0.1	0.1	<0.1	38	0.19	0.114

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CERTIFICATE OF ANALYSIS VAN08005739.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L4400N 7712.5E	Soil	16	24	0.41	137	0.079	4	1.34	0.026	0.16	0.1	0.04	2.6	0.1	0.08	4	<0.5
L4400N 7725E	Soil	10	21	0.29	113	0.083	2	1.61	0.028	0.09	0.2	0.02	2.5	<0.1	0.05	4	0.6
L4400N 7737.5E	Soil	11	20	0.28	188	0.075	1	1.53	0.023	0.10	0.2	0.03	1.9	<0.1	<0.05	5	0.8
L4400N 7750E	Soil	15	16	0.25	135	0.084	3	1.61	0.029	0.08	0.2	0.03	2.0	<0.1	<0.05	4	<0.5
L4400N 7762.5E	Soil	11	21	0.30	124	0.092	2	1.63	0.028	0.10	0.2	0.01	2.2	<0.1	<0.05	5	0.5
L4400N 7775E	Soil	13	19	0.26	175	0.090	2	1.69	0.026	0.11	0.2	0.02	2.5	<0.1	<0.05	5	<0.5
L4400N 7787.5E	Soil	8	13	0.18	152	0.064	1	1.04	0.024	0.09	0.1	0.01	1.4	<0.1	<0.05	3	<0.5
L4400N 7800E	Soil	13	17	0.25	189	0.087	2	1.86	0.027	0.09	0.2	0.02	2.4	<0.1	<0.05	5	<0.5
L4400N 7812.5E	Soil	8	14	0.19	147	0.072	1	1.31	0.028	0.08	0.1	0.02	1.9	<0.1	<0.05	4	<0.5
L4450N 7662.5E	Soil	17	30	0.38	147	0.097	2	1.84	0.029	0.13	0.2	0.02	3.1	0.1	<0.05	5	0.9
L4450N 7675E	Soil	12	26	0.28	200	0.086	1	1.56	0.021	0.10	0.1	0.01	2.6	<0.1	<0.05	4	<0.5
L4450N 7687.5E	Soil	18	28	0.35	137	0.089	2	1.56	0.023	0.12	0.2	0.02	3.1	<0.1	<0.05	5	<0.5
L4450N 7700E	Soil	11	21	0.29	184	0.084	3	1.59	0.026	0.09	0.2	0.02	2.6	<0.1	<0.05	5	0.8
L4450N 7712.5E	Soil	11	24	0.25	189	0.085	1	1.44	0.019	0.12	0.1	0.02	2.2	<0.1	<0.05	5	<0.5
L4450N 7725E	Soil	19	23	0.35	140	0.083	3	1.31	0.026	0.13	0.2	0.03	2.6	0.1	<0.05	4	<0.5
L4450N 7737.5E	Soil	13	19	0.26	189	0.090	1	2.03	0.024	0.12	0.1	0.01	2.4	<0.1	<0.05	6	<0.5
L4450N 7750E	Soil	20	21	0.30	176	0.096	2	2.25	0.023	0.13	0.2	0.02	3.1	<0.1	<0.05	6	0.5
L4450N 7762.5E	Soil	11	22	0.26	193	0.084	1	1.62	0.023	0.11	0.1	0.01	2.2	<0.1	<0.05	5	<0.5
L4450N 7775E	Soil	13	21	0.25	177	0.083	2	1.65	0.029	0.10	0.2	0.02	2.5	<0.1	<0.05	5	0.6
L4450N 7787.5E	Soil	14	22	0.25	101	0.069	1	1.12	0.020	0.08	0.2	0.02	1.9	<0.1	<0.05	4	<0.5
L4450N 7800E	Soil	30	8	0.17	63	0.053	2	0.80	0.039	0.07	<0.1	0.03	1.4	<0.1	0.06	2	0.8
L4450N 7812.5E	Soil	29	28	0.35	120	0.100	3	1.84	0.033	0.13	0.2	0.02	3.9	<0.1	<0.05	6	<0.5
L4450N 7825E	Soil	17	25	0.28	106	0.088	2	1.63	0.026	0.08	0.2	0.02	2.7	<0.1	<0.05	5	<0.5
L4450N 7837.5E	Soil	14	22	0.24	167	0.077	2	1.44	0.024	0.11	0.2	0.02	2.4	<0.1	<0.05	5	<0.5
L4450N 7850E	Soil	20	24	0.27	152	0.075	1	1.57	0.022	0.08	0.2	0.01	2.5	<0.1	<0.05	5	<0.5
L4500N 7662.5E	Soil	17	32	0.37	159	0.100	1	1.83	0.023	0.12	0.2	0.02	3.1	0.1	<0.05	6	<0.5
L4500N 7675E	Soil	13	28	0.28	140	0.086	2	1.45	0.022	0.10	0.2	0.02	2.6	<0.1	<0.05	4	<0.5
L4500N 7687.5E	Soil	16	27	0.29	145	0.087	2	1.75	0.021	0.11	0.2	0.02	2.4	<0.1	<0.05	5	0.5
L4500N 7700E	Soil	16	37	0.38	94	0.091	<1	1.04	0.013	0.12	0.2	<0.01	2.3	<0.1	<0.05	4	<0.5
L4500N 7712.5E	Soil	10	16	0.17	97	0.065	1	0.99	0.027	0.07	0.1	0.01	1.5	<0.1	<0.05	4	<0.5

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L4500N 7725E	Soil	0.8	13.2	11.6	53	<0.1	12.5	5.7	281	1.96	5.0	0.8	2.2	5.3	23	<0.1	0.1	0.2	41	0.16	0.126
L4500N 7737.5E	Soil	0.5	14.5	8.8	52	0.1	11.5	4.7	363	1.55	4.1	0.7	0.9	4.1	36	<0.1	0.2	0.1	33	0.26	0.098
L4500N 7750E	Soil	0.7	14.1	10.7	64	<0.1	12.4	4.8	398	1.70	3.7	0.8	2.1	4.7	38	0.1	0.1	0.1	33	0.27	0.145
L4500N 7762.5E	Soil	0.8	10.3	9.0	75	<0.1	9.7	4.9	618	1.66	4.6	0.6	1.7	2.9	37	0.1	0.2	0.1	37	0.26	0.068
L4500N 7775E	Soil	0.6	13.4	9.1	70	<0.1	13.4	5.5	647	1.68	5.4	0.7	1.6	4.0	35	0.2	0.2	0.2	32	0.26	0.166
L4500N 7787.5E	Soil	0.5	18.4	7.6	51	<0.1	14.3	5.3	363	1.69	6.5	0.8	7.9	3.8	38	0.1	0.1	0.1	32	0.26	0.148
L4500N 7800E	Soil	0.5	17.1	8.0	49	<0.1	14.4	6.0	342	1.83	5.6	0.9	2.2	4.1	29	<0.1	0.2	0.1	36	0.25	0.069
L4500N 7812.5E	Soil	0.5	21.4	7.8	51	0.1	14.3	6.0	310	1.72	8.4	1.0	2.1	3.7	22	<0.1	0.1	0.1	37	0.17	0.113
L4500N 7825E	Soil	0.5	20.1	7.9	51	0.1	15.0	5.8	289	1.72	7.7	0.8	2.1	3.9	29	<0.1	0.1	0.1	37	0.30	0.169
L4500N 7837.5E	Soil	0.4	21.2	6.9	48	<0.1	15.8	5.7	291	1.67	6.1	0.6	1.8	3.9	30	<0.1	0.2	0.1	36	0.21	0.104
L4500N 7850E	Soil	0.6	20.0	7.8	47	0.1	13.3	5.7	281	1.77	5.3	0.7	2.7	3.8	26	<0.1	0.1	0.1	37	0.19	0.139
L4500N 7862.5E	Soil	0.4	16.8	7.9	51	<0.1	13.3	5.5	347	1.68	6.4	0.6	1.4	3.6	28	0.1	0.2	0.1	34	0.21	0.131
L4500N 7875E	Soil	0.4	16.4	6.6	39	<0.1	11.4	5.2	311	1.59	7.5	0.6	7.2	4.0	28	<0.1	0.1	0.1	42	0.25	0.106

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Project: 41
Report Date: May 16, 2008

CERTIFICATE OF ANALYSIS VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L4500N 7725E	Soil	16	20	0.30	108	0.080	<1	1.81	0.015	0.09	0.2	0.01	2.3	<0.1	<0.05	6	<0.5
L4500N 7737.5E	Soil	17	15	0.23	128	0.069	1	1.46	0.019	0.09	0.2	0.01	2.3	<0.1	<0.05	4	<0.5
L4500N 7750E	Soil	19	15	0.23	168	0.071	<1	1.54	0.022	0.11	0.2	0.01	2.4	<0.1	<0.05	5	<0.5
L4500N 7762.5E	Soil	14	17	0.22	186	0.058	<1	0.95	0.012	0.10	0.2	0.02	1.4	<0.1	<0.05	4	<0.5
L4500N 7775E	Soil	11	20	0.29	262	0.086	1	1.70	0.018	0.15	0.2	0.01	2.3	0.1	<0.05	5	<0.5
L4500N 7787.5E	Soil	12	18	0.27	170	0.084	<1	1.67	0.019	0.12	0.2	0.02	2.1	<0.1	<0.05	5	<0.5
L4500N 7800E	Soil	17	22	0.30	181	0.080	<1	1.53	0.019	0.14	0.1	0.02	2.6	0.1	<0.05	5	<0.5
L4500N 7812.5E	Soil	14	22	0.30	154	0.081	1	1.65	0.019	0.12	0.2	0.01	2.5	0.1	<0.05	5	<0.5
L4500N 7825E	Soil	13	23	0.29	170	0.083	2	1.58	0.018	0.13	0.1	<0.01	2.3	<0.1	<0.05	5	<0.5
L4500N 7837.5E	Soil	14	22	0.31	157	0.077	1	1.35	0.023	0.12	0.1	0.02	2.1	<0.1	<0.05	4	0.6
L4500N 7850E	Soil	15	22	0.28	172	0.075	1	1.42	0.021	0.11	0.2	0.01	2.4	<0.1	<0.05	4	<0.5
L4500N 7862.5E	Soil	14	22	0.25	175	0.074	<1	1.39	0.021	0.09	0.2	0.01	2.3	<0.1	<0.05	5	0.5
L4500N 7875E	Soil	20	26	0.28	112	0.068	1	0.94	0.020	0.13	0.2	0.01	2.1	<0.1	<0.05	3	<0.5

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QUALITY CONTROL REPORT VAN08005739.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
L3800N 7725E	Soil	0.7	26.9	12.2	141	0.3	10.4	15.3	2455	1.94	27.6	0.4	1.8	1.6	38	1.7	0.4	0.2	38	0.33	0.166
REP L3800N 7725E	QC	0.7	28.5	13.0	140	0.3	10.6	16.6	2594	2.01	28.7	0.4	2.1	1.8	38	1.6	0.4	0.2	40	0.38	0.173
L3900N 7725E	Soil	0.4	12.9	10.9	103	0.1	11.1	6.6	845	1.77	9.8	0.4	2.7	2.5	23	0.1	0.2	0.2	40	0.21	0.174
REP L3900N 7725E	QC	0.4	13.6	10.6	104	0.1	11.7	6.7	825	1.73	10.0	0.4	1.4	2.5	25	0.2	0.2	0.2	43	0.23	0.167
L3900N 7812.5E	Soil	0.3	16.4	7.0	79	0.2	14.4	7.2	354	1.67	13.2	0.4	0.8	2.5	29	0.4	0.1	0.1	41	0.26	0.175
REP L3900N 7812.5E	QC	0.3	16.5	6.8	79	0.2	14.6	7.0	371	1.68	13.7	0.4	2.0	2.6	30	0.3	0.1	0.1	42	0.26	0.179
L3950N 7850E	Soil	0.4	22.2	9.3	86	0.2	16.0	5.8	382	1.50	14.4	0.4	3.6	2.5	19	0.3	0.2	0.1	37	0.22	0.176
REP L3950N 7850E	QC	0.4	19.4	9.3	81	0.1	15.0	5.5	369	1.43	14.9	0.5	2.3	2.5	19	0.3	0.2	0.2	36	0.21	0.174
L4050N 7725E	Soil	0.4	12.6	7.9	61	<0.1	13.5	6.0	429	1.63	6.3	0.4	3.4	2.3	17	<0.1	0.2	0.2	35	0.16	0.109
REP L4050N 7725E	QC	0.4	13.5	8.2	66	<0.1	14.5	6.5	433	1.68	7.1	0.4	1.7	2.3	19	0.1	0.2	0.2	39	0.19	0.111
L4100N 7675E	Soil	0.6	21.1	8.9	61	0.1	15.4	5.9	351	1.68	12.0	1.0	1.9	3.2	21	0.2	0.2	0.2	35	0.23	0.107
REP L4100N 7675E	QC	0.5	21.2	8.9	62	0.1	15.3	6.1	358	1.65	12.5	0.6	3.8	3.3	22	0.1	0.2	0.2	35	0.24	0.109
L4250N 7675E	Soil	0.9	44.2	5.6	55	0.2	21.5	7.8	493	1.73	21.9	0.3	<0.5	2.2	46	0.3	0.4	0.2	32	0.59	0.025
REP L4250N 7675E	QC	0.8	45.0	5.6	48	0.2	21.4	7.8	492	1.69	20.9	0.3	2.4	2.2	45	0.3	0.4	0.1	32	0.57	0.025
L4300N 7675E	Soil	0.4	15.2	5.3	47	<0.1	11.1	4.6	454	1.27	10.4	0.3	11.7	1.6	20	0.1	0.2	0.2	26	0.19	0.172
REP L4300N 7675E	QC	0.4	14.2	5.2	45	<0.1	11.1	4.6	440	1.24	10.5	0.3	1.7	1.7	19	<0.1	0.2	0.2	25	0.19	0.165
L4400N 7662.5E	Soil	0.6	24.7	8.6	73	0.2	19.7	7.2	429	1.79	12.5	0.7	0.7	3.4	37	0.1	0.2	0.2	40	0.37	0.320
REP L4400N 7662.5E	QC	0.5	23.6	8.5	71	0.2	18.5	6.8	404	1.82	11.6	0.7	<0.5	3.3	36	0.1	0.2	0.2	35	0.34	0.302
L4450N 7775E	Soil	0.5	21.1	7.2	77	0.1	16.1	5.7	393	1.55	7.2	0.6	3.9	3.4	29	0.1	0.2	0.1	35	0.19	0.253
REP L4450N 7775E	QC	0.5	19.3	7.0	75	0.1	14.6	5.6	384	1.54	7.0	0.6	8.5	3.3	28	<0.1	0.2	0.1	34	0.18	0.252
L4500N 7750E	Soil	0.7	14.1	10.7	64	<0.1	12.4	4.8	398	1.70	3.7	0.8	2.1	4.7	38	0.1	0.1	0.1	33	0.27	0.145
REP L4500N 7750E	QC	0.5	13.3	11.0	61	<0.1	12.1	5.0	407	1.70	3.7	0.8	3.0	4.7	38	<0.1	0.2	0.1	32	0.28	0.147
Reference Materials																					
STD DS7	Standard	18.8	105.7	67.0	379	0.8	55.5	9.4	599	2.22	44.5	4.5	63.5	3.9	57	5.6	5.7	4.2	82	0.83	0.067
STD DS7	Standard	19.4	105.9	66.7	391	0.8	54.4	9.5	632	2.38	52.5	4.6	67.3	4.2	69	6.6	6.4	4.8	80	0.90	0.079
STD DS7	Standard	19.7	117.6	72.7	404	0.8	60.2	9.9	646	2.32	46.9	5.0	75.2	4.3	62	5.9	6.0	4.8	93	0.90	0.072
STD DS7	Standard	19.5	108.6	68.0	390	0.8	59.3	9.3	629	2.29	46.1	4.9	70.3	4.6	69	6.0	5.9	4.5	87	0.91	0.078
STD DS7	Standard	20.3	108.3	69.5	393	0.9	60.8	10.1	614	2.25	46.5	4.8	87.7	4.2	64	6.0	6.0	4.5	91	0.88	0.082

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QUALITY CONTROL REPORT VAN08005739.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
L3800N 7725E	Soil	7	8	0.32	217	0.076	1	1.62	0.019	0.09	0.2	0.03	2.2	0.2	<0.05	5	0.9
REP L3800N 7725E	QC	7	10	0.30	223	0.084	2	1.69	0.020	0.10	0.2	0.04	2.5	0.2	<0.05	5	<0.5
L3900N 7725E	Soil	10	24	0.26	134	0.078	1	1.15	0.023	0.06	0.2	0.01	1.7	<0.1	<0.05	4	<0.5
REP L3900N 7725E	QC	10	25	0.26	134	0.081	1	1.16	0.020	0.06	0.3	0.01	1.9	<0.1	<0.05	4	<0.5
L3900N 7812.5E	Soil	9	24	0.29	138	0.077	<1	1.35	0.045	0.11	0.2	<0.01	2.2	<0.1	<0.05	4	0.8
REP L3900N 7812.5E	QC	9	24	0.29	139	0.081	2	1.34	0.038	0.11	0.2	<0.01	2.0	<0.1	<0.05	4	0.6
L3950N 7850E	Soil	9	19	0.29	134	0.085	1	1.61	0.017	0.09	0.2	0.01	2.3	<0.1	<0.05	5	0.7
REP L3950N 7850E	QC	9	17	0.29	132	0.082	2	1.61	0.018	0.08	0.2	0.01	2.0	<0.1	<0.05	4	0.6
L4050N 7725E	Soil	7	23	0.35	163	0.084	2	1.32	0.024	0.09	0.1	0.01	1.8	<0.1	<0.05	5	<0.5
REP L4050N 7725E	QC	7	24	0.36	157	0.092	3	1.41	0.024	0.09	0.2	0.01	2.2	0.1	<0.05	5	<0.5
L4100N 7675E	Soil	9	19	0.30	130	0.112	3	2.18	0.029	0.09	0.2	0.01	2.5	<0.1	<0.05	6	<0.5
REP L4100N 7675E	QC	10	18	0.30	139	0.121	3	2.16	0.030	0.10	0.2	0.01	2.6	0.1	<0.05	5	<0.5
L4250N 7675E	Soil	15	26	0.34	85	0.082	3	1.55	0.047	0.10	0.1	0.02	2.7	0.1	<0.05	4	<0.5
REP L4250N 7675E	QC	14	24	0.33	85	0.080	2	1.49	0.046	0.10	0.1	0.02	2.7	0.1	<0.05	4	<0.5
L4300N 7675E	Soil	6	14	0.17	172	0.068	2	1.34	0.027	0.08	0.1	0.01	1.6	<0.1	<0.05	4	<0.5
REP L4300N 7675E	QC	6	14	0.17	168	0.066	<1	1.34	0.023	0.08	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5
L4400N 7662.5E	Soil	12	24	0.35	255	0.097	2	2.11	0.021	0.14	0.2	0.02	2.7	0.1	<0.05	6	<0.5
REP L4400N 7662.5E	QC	11	22	0.35	249	0.070	2	1.95	0.019	0.13	0.1	0.02	2.6	<0.1	0.05	6	0.7
L4450N 7775E	Soil	13	21	0.25	177	0.083	2	1.65	0.029	0.10	0.2	0.02	2.5	<0.1	<0.05	5	0.6
REP L4450N 7775E	QC	13	19	0.25	170	0.082	2	1.69	0.025	0.09	0.1	0.02	2.4	<0.1	<0.05	5	<0.5
L4500N 7750E	Soil	19	15	0.23	168	0.071	<1	1.54	0.022	0.11	0.2	0.01	2.4	<0.1	<0.05	5	<0.5
REP L4500N 7750E	QC	19	15	0.24	169	0.072	<1	1.58	0.021	0.11	0.2	0.02	2.2	<0.1	<0.05	5	<0.5
Reference Materials																	
STD DS7	Standard	11	175	1.00	324	0.116	35	0.92	0.077	0.40	3.5	0.19	2.5	4.3	0.13	5	3.4
STD DS7	Standard	12	174	1.05	386	0.112	43	0.97	0.081	0.46	3.9	0.20	2.2	4.6	0.19	5	4.0
STD DS7	Standard	11	178	1.00	396	0.117	42	0.92	0.071	0.43	4.1	0.20	2.0	4.4	0.19	4	4.2
STD DS7	Standard	13	175	1.05	366	0.127	38	0.94	0.078	0.43	3.9	0.19	2.3	4.2	0.25	4	4.3
STD DS7	Standard	11	188	1.08	361	0.131	41	1.02	0.077	0.43	4.0	0.20	2.3	4.2	0.22	4	4.7

ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Kettle River Resources Ltd.**
Box 130
Greenwood B.C. V0H 1J0 Canada

Project: 41
Report Date: May 16, 2008

QUALITY CONTROL REPORT VAN08005739.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.3	103.2	69.8	394	0.9	56.4	9.5	614	2.27	46.0	5.1	77.3	4.5	72	6.3	5.9	4.5	91	0.92	0.073
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

AcmeLabs ACME ANALYTICAL LABORATORIES LTD.
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Client: **Kettle River Resources Ltd.**
Box 130
Greenwood B.C. V0H 1J0 Canada

Project: 41
Report Date: May 16, 2008

QUALITY CONTROL REPORT VAN08005739.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS7	Standard	13	180	1.03	355	0.132	39	0.99	0.076	0.43	3.8	0.20	2.6	4.3	0.26	5	4.0
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

APPENDIX 4b

Analytical Results – Rock Samples

Certificate#: 08E2299
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-3
PO#:
No. of Samples: 51
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: May 14, 2008
Date Out: Jun 09, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

Sample Name	SampleType	Wt Kg	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm
43100	Rock	1.6	<0.01	<0.1	3	22	25	12	<5	<3	1	<10	<2	<0.2	3	16	261
43101	Rock	1.4	0.01	1.3	456	<2	55	16	<5	<3	2	<10	<2	<0.2	16	30	35
43102	Rock	1.4	0.01	0.9	291	<2	41	111	<5	<3	2	<10	<2	<0.2	7	11	27
43103	Rock	1.3	<0.01	<0.1	15	<2	41	15	<5	<3	1	<10	<2	<0.2	55	44	16
43104	Rock	1.4	0.02	1.7	242	84	94	16	<5	<3	2	<10	<2	<0.2	60	33	10
43105	Rock	1.8	<0.01	0.3	47	<2	35	31	<5	<3	2	<10	<2	<0.2	14	9	43
43106	Rock	1.7	<0.01	0.1	8	21	140	9	<5	<3	2	<10	<2	1.4	2	7	21
43107	Rock	1.4	<0.01	0.4	28	<2	48	25	<5	<3	2	<10	<2	<0.2	16	35	57
43108	Rock	1.9	<0.01	<0.1	10	<2	32	<5	<5	<3	<1	<10	<2	<0.2	2	3	17
43109	Rock	1.1	<0.01	<0.1	17	<2	72	<5	<5	<3	2	<10	<2	<0.2	18	71	706
43110	Rock	1.3	<0.01	<0.1	43	<2	66	<5	<5	<3	2	<10	<2	<0.2	20	76	664
43111	Rock	1.6	0.03	0.6	78	<2	38	<5	<5	<3	2	<10	<2	<0.2	35	53	28
43112	Rock	1.4	0.03	<0.1	780	<2	38	8	<5	<3	<1	<10	<2	<0.2	21	33	37
43113	Rock	1.3	<0.01	1.7	63	<2	105	<5	<5	<3	2	<10	<2	<0.2	31	23	190
43114	Rock	1.6	0.20	0.2	1122	<2	57	<5	<5	<3	1	<10	<2	<0.2	23	70	48
43115	Rock	1.4	0.01	<0.1	224	<2	49	<5	<5	<3	1	<10	<2	<0.2	7	39	1285
43116	Rock	1.6	<0.01	<0.1	12	<2	23	<5	<5	<3	<1	<10	<2	<0.2	3	13	52
43117	Rock	1.4	0.16	<0.1	34	<2	47	13	<5	<3	1	<10	4	<0.2	8	20	43
43118	Rock	1.5	0.01	<0.1	10	<2	11	<5	<5	<3	<1	<10	<2	<0.2	2	7	49
43119	Rock	1.2	<0.01	<0.1	1	<2	5	7	<5	<3	<1	<10	<2	<0.2	1	5	67
43120	Rock	1.3	0.01	0.1	25	4	9	<5	<5	<3	5	<10	<2	<0.2	<1	5	120
43121	Rock	1.3	<0.01	<0.1	8	<2	8	<5	<5	<3	7	<10	<2	<0.2	3	8	38
43122	Rock	1.3	0.03	<0.1	10	10	9385	16	<5	<3	8	<10	<2	33.4	17	4	56
43123	Rock	1.4	0.01	<0.1	15	12	104	<5	<5	<3	2	<10	<2	<0.2	8	4	10
43124	Rock	1.4	0.01	0.3	<1	284	645	86	<5	<3	1	<10	<2	<0.2	39	27	17
43125	Rock	1.5	0.03	0.1	279	13	94	104	<5	<3	6	<10	<2	<0.2	61	18	13
43126	Rock	1.4	0.03	0.4	25	8	22	36	<5	<3	1	<10	<2	<0.2	87	17	8
43127	Rock	1.8	0.01	0.2	544	<2	22	18	<5	<3	<1	<10	<2	<0.2	56	9	9
43128	Rock	1.2	<0.01	<0.1	23	<2	50	25	<5	<3	<1	<10	<2	<0.2	13	7	84
43300	Rock	1.0	<0.01	<0.1	35	3	48	13	<5	<3	2	<10	<2	<0.2	20	5	50
43301	Rock	1.2	<0.01	2.1	59	871	1385	15	<5	<3	2	<10	<2	4.0	12	9	289
43302	Rock	1.7	<0.01	<0.1	11	<2	80	<5	<5	<3	3	<10	<2	<0.2	22	14	231
43303	Rock	1.7	<0.01	<0.1	17	22	74	<5	<5	<3	2	<10	<2	<0.2	9	26	83
43304	Rock	1.5	0.15	1.1	1406	<2	88	20	<5	<3	9	<10	<2	<0.2	90	52	17
43305	Rock	1.1	<0.01	<0.1	100	<2	39	11	<5	<3	1	<10	<2	<0.2	10	24	43
43306	Rock	1.4	<0.01	<0.1	42	<2	80	6	<5	<3	<1	<10	<2	<0.2	5	15	56
43307	Rock	1.4	0.01	<0.1	123	3	27	12	<5	<3	1	<10	<2	<0.2	3	8	81
43308	Rock	1.3	0.17	0.9	149	<2	44	82	<5	<3	2	<10	<2	<0.2	10	17	14

Sample Name	SampleType	Wt	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba
		Kg	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43309	Rock	1.5	0.01	<0.1	77	<2	94	14	<5	<3	3	<10	<2	<0.2	36	56	39
43310	Rock	1.2	<0.01	<0.1	33	<2	96	9	<5	<3	4	<10	<2	<0.2	21	36	40
43311	Rock	1.6	0.03	0.1	4	<2	81	104	<5	<3	2	<10	<2	<0.2	11	7	26
43312	Rock	1.3	0.01	<0.1	1	<2	61	64	<5	<3	1	<10	<2	<0.2	10	6	35
43313	Rock	1.5	0.01	<0.1	41	<2	50	7	<5	<3	1	<10	<2	<0.2	13	34	92
43314	Rock	1.6	<0.01	<0.1	3	<2	101	<5	<5	<3	2	<10	<2	<0.2	15	25	1179
43315	Rock	1.4	<0.01	<0.1	7	13	20	<5	<5	<3	<1	<10	<2	<0.2	3	5	24
43316	Rock	1.6	<0.01	0.1	30	11	74	52	<5	<3	3	<10	<2	<0.2	9	15	60
43317	Rock	1.2	0.01	<0.1	20	<2	1309	13	<5	<3	3	<10	<2	7.1	7	4	37
43318	Rock	1.3	<0.01	0.1	17	14	324	18	<5	<3	4	<10	<2	<0.2	41	89	113
43319	Rock	0.9	<0.01	0.6	14	<2	37	6	<5	<3	1	<10	<2	<0.2	12	26	64
43320	Rock	1.6	<0.01	0.5	4	11	34	<5	<5	<3	<1	<10	<2	<0.2	2	7	28
43321	Rock	1.5	<0.01	0.4	19	8	77	<5	<5	<3	1	<10	<2	<0.2	14	28	35
RE 43100	Repeat	--	<0.01	<0.1	3	20	25	12	<5	<3	1	<10	<2	<0.2	2	16	259
RE 43119	Repeat	--	<0.01	<0.1	<1	<2	5	7	<5	<3	<1	<10	<2	<0.2	1	5	67
RE 43310	Repeat	--	<0.01	<0.1	34	<2	98	11	<5	<3	4	<10	<2	<0.2	22	35	40
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2
Maximum detection		9999	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000
Method		Spec	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

Certificate#: 08E2299
Client: Kettle River R
Project: 41
Shipment#: 2008-3
PO#:
No. of Samples: 51
Analysis #1: ICP(AqR
Analysis #2: Au(FA/A
Analysis #3:
Comment #1: do Ag if
Comment #2: do Cu P
Date In: May 14, 200
Date Out: Jun 09, 200

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
43100	<5	89	28	480	8	84	<1	2	0.01	0.50	3.11	1.02	0.43	0.06	0.01	0.03
43101	<5	73	112	2528	33	50	4	6	0.12	1.98	10.36	5.29	0.42	0.01	0.01	0.09
43102	9	42	88	4300	66	108	5	6	0.06	1.58	13.26	8.83	0.61	0.02	0.01	0.05
43103	<5	60	71	3394	42	49	14	7	0.15	2.34	9.77	6.08	0.67	0.02	0.01	0.08
43104	<5	62	84	3140	49	55	12	5	0.13	1.85	10.38	6.93	0.23	0.01	0.01	0.06
43105	<5	35	62	343	17	138	2	6	0.19	1.86	1.96	2.38	0.83	0.21	0.29	0.09
43106	<5	77	14	164	3	27	2	<1	<0.01	0.25	2.16	0.47	0.11	0.07	0.01	0.05
43107	<5	91	20	531	18	48	4	2	0.16	0.64	3.04	2.22	0.45	0.05	0.01	0.08
43108	<5	67	20	296	5	438	<1	<1	<0.01	0.22	8.71	0.52	0.10	0.07	<0.01	0.05
43109	<5	149	112	794	58	179	10	5	0.13	1.82	2.14	3.47	1.74	0.39	0.04	0.21
43110	<5	166	124	689	76	202	3	6	0.17	1.93	2.31	3.75	2.02	0.42	0.04	0.24
43111	<5	60	99	624	33	32	<1	6	0.23	2.20	0.98	5.12	1.84	0.03	0.05	0.03
43112	<5	106	56	278	15	18	1	3	0.14	0.96	1.01	1.82	0.60	0.04	0.05	0.06
43113	<5	47	163	439	38	30	<1	10	0.28	2.34	1.04	5.59	2.03	0.50	0.09	0.16
43114	<5	104	63	731	12	66	4	7	0.31	1.70	5.36	2.01	0.80	0.12	0.14	0.08
43115	<5	88	40	966	52	38	<1	3	0.06	0.84	1.54	6.02	0.62	0.16	0.03	0.41
43116	<5	73	12	367	13	3	<1	2	<0.01	0.67	0.05	1.16	0.38	0.13	0.01	0.01
43117	<5	28	73	4254	165	58	<1	<1	0.03	0.34	1.57	14.70	0.03	0.02	0.02	0.61
43118	<5	62	8	346	8	16	<1	<1	<0.01	0.35	1.70	1.07	0.14	0.10	0.01	0.03
43119	<5	40	2	642	4	90	<1	<1	<0.01	0.11	10.50	0.44	0.08	0.04	<0.01	0.02
43120	<5	95	33	68	9	6	3	1	0.02	0.33	0.24	0.64	0.12	0.16	0.01	0.11
43121	<5	51	7	508	6	131	<1	1	<0.01	0.24	12.90	0.66	0.13	0.07	0.01	0.03
43122	<5	35	33	1267	7	210	6	1	0.06	0.73	14.98	0.73	0.35	0.04	0.01	0.06
43123	<5	61	58	611	11	201	3	5	0.15	1.65	3.00	1.75	0.66	0.01	0.01	0.08
43124	<5	65	39	3072	35	59	4	3	0.11	1.16	9.19	5.57	0.21	0.01	0.01	0.08
43125	31	43	31	3306	94	8	2	2	0.08	0.91	8.67	11.65	0.10	0.02	0.01	0.05
43126	<5	30	71	218	53	110	3	2	0.26	0.63	1.60	7.54	0.04	0.02	0.01	0.07
43127	19	23	23	2720	40	76	<1	<1	0.02	0.54	14.88	6.16	0.17	<0.01	0.01	0.05
43128	<5	28	119	462	25	161	<1	3	0.12	1.27	1.22	4.18	0.99	0.17	0.04	0.15
43300	<5	27	100	1527	19	83	<1	6	0.13	1.62	1.52	2.91	0.88	0.26	0.13	0.09
43301	<5	23	75	1989	21	290	4	9	0.13	1.73	7.28	2.89	1.34	0.19	0.05	0.07
43302	<5	57	145	698	68	341	3	13	0.12	2.41	3.14	4.31	1.83	0.34	0.26	0.19
43303	<5	64	52	381	14	39	5	5	0.12	1.41	0.82	1.89	0.66	0.11	0.07	0.04
43304	<5	59	171	2138	97	12	<1	4	0.06	1.83	2.58	9.73	0.70	0.10	0.15	0.35
43305	<5	60	25	226	18	2	1	2	<0.01	0.69	0.06	1.62	0.27	0.10	0.01	0.02
43306	<5	55	9	133	16	3	<1	2	0.01	0.75	0.05	1.32	0.35	0.23	0.01	0.01
43307	<5	66	8	667	9	2	1	1	<0.01	0.32	0.02	1.08	0.09	0.07	0.01	0.01
43308	<5	48	79	355	53	<1	<1	2	0.01	1.11	0.01	7.66	0.30	0.01	<0.01	0.02

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
43309	<5	50	157	769	34	49	<1	6	0.36	2.57	1.74	4.85	1.75	1.41	0.11	0.15
43310	<5	34	36	559	25	86	9	4	0.08	2.90	3.80	3.08	0.89	0.76	0.30	0.05
43311	<5	35	36	783	29	9	<1	6	0.01	1.26	0.42	3.90	0.93	0.13	0.05	0.05
43312	<5	52	39	685	24	17	<1	9	0.08	1.12	1.08	3.22	0.80	0.67	0.07	0.05
43313	<5	114	50	454	16	24	1	3	0.17	1.30	0.80	2.01	0.78	0.46	0.07	0.08
43314	<5	51	62	687	34	83	1	10	0.14	2.69	0.78	4.05	1.48	0.70	0.18	0.05
43315	<5	40	7	201	5	59	3	<1	0.09	0.36	8.07	0.20	0.03	0.05	0.01	0.07
43316	<5	22	41	351	10	159	3	2	0.10	0.61	9.38	1.45	0.43	0.07	0.07	0.08
43317	<5	8	22	717	11	133	2	1	0.11	0.63	14.02	1.24	0.58	0.07	0.03	0.06
43318	<5	100	116	1741	26	189	<1	8	0.14	4.27	3.53	4.16	1.44	0.18	0.39	0.08
43319	<5	71	41	267	12	126	<1	4	0.09	0.84	3.31	1.80	0.77	0.05	0.04	0.04
43320	<5	107	16	292	3	83	<1	2	0.05	0.43	2.46	0.48	0.43	0.04	0.02	0.03
43321	<5	69	47	369	15	167	<1	4	0.05	1.41	3.95	2.31	1.60	0.04	0.02	0.04
RE 43100	<5	88	28	479	8	83	<1	2	0.01	0.49	3.09	1.01	0.43	0.06	0.01	0.03
RE 43119	<5	41	3	643	4	90	<1	<1	<0.01	0.11	10.49	0.45	0.08	0.04	0.01	0.02
RE 43310	<5	35	36	558	26	86	9	4	0.08	2.91	3.76	3.05	0.90	0.76	0.30	0.05
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (*

Certificate#: 08F2705
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 08-8
PO#:
No. of Samples: 58
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 09, 2008
Date Out: Jul 07, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5
Phone: 604/879-7878 604/272-7818
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ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
43129	Rock	1.6	0.04	6.4	625	15	462	580	<5	<3	22	<10	<2	<0.2	60	28
43130	Rock	1.6	0.01	<0.1	43	<2	91	<5	<5	<3	2	<10	<2	<0.2	24	78
43131	Rock	1.6	<0.01	<0.1	29	<2	59	<5	<5	<3	2	<10	<2	<0.2	18	62
43132	Rock	1.7	<0.01	<0.1	21	<2	30	<5	<5	<3	<1	<10	<2	<0.2	7	17
43133	Rock	1.4	<0.01	0.3	7	100	83	14	<5	<3	<1	<10	<2	<0.2	6	27
43134	Rock	1.6	<0.01	<0.1	46	<2	127	<5	<5	<3	3	<10	<2	<0.2	29	16
43135	Rock	1.6	<0.01	<0.1	30	<2	32	16	<5	<3	2	<10	<2	<0.2	24	9
43136	Rock	1.3	<0.01	0.4	79	<2	130	<5	<5	<3	33	<10	<2	<0.2	35	21
43137	Rock	1.6	<0.01	0.2	20	<2	48	7	<5	<3	4	<10	<2	<0.2	23	6
43138	Rock	1.6	<0.01	<0.1	26	<2	76	8	<5	<3	1	<10	<2	<0.2	19	15
43139	Rock	1.8	<0.01	<0.1	43	<2	95	20	<5	<3	4	<10	<2	<0.2	18	7
43140	Rock	1.7	<0.01	0.3	58	2	40	140	<5	<3	2	<10	<2	<0.2	14	10
43141	Rock	1.3	0.08	<0.1	2	<2	30	<5	<5	<3	1	<10	<2	<0.2	17	38
43142	Rock	1.6	<0.01	<0.1	121	<2	91	<5	<5	<3	<1	<10	<2	<0.2	31	41
43143	Rock	1.6	0.01	<0.1	191	<2	142	<5	<5	<3	2	<10	<2	<0.2	49	85
43144	Rock	1.2	<0.01	<0.1	143	<2	19	<5	<5	<3	4	<10	<2	<0.2	9	40
43145	Rock	1.9	<0.01	<0.1	153	<2	18	<5	<5	<3	3	<10	<2	<0.2	10	39
43146	Rock	2.1	<0.01	<0.1	65	4	90	26	<5	<3	10	<10	<2	<0.2	15	84
43147	Rock	1.9	<0.01	<0.1	185	<2	24	<5	<5	<3	2	<10	<2	<0.2	26	34
43148	Rock	1.7	<0.01	<0.1	12	<2	16	<5	<5	<3	2	<10	<2	<0.2	10	33
43149	Rock	1.5	0.02	0.2	325	<2	35	<5	<5	<3	2	<10	<2	<0.2	21	88
43150	Rock	1.8	<0.01	<0.1	11	<2	48	<5	<5	<3	<1	<10	<2	<0.2	11	14
43151	Rock	1.7	0.03	<0.1	65	<2	56	<5	<5	<3	1	<10	<2	<0.2	26	34
43152	Rock	1.2	0.01	<0.1	75	<2	84	<5	<5	<3	2	<10	<2	<0.2	33	74
43153	Rock	1.5	0.01	<0.1	184	<2	40	<5	<5	<3	2	<10	<2	<0.2	31	117
43154	Rock	1.8	<0.01	0.4	69	<2	65	9	<5	<3	2	<10	<2	<0.2	17	10
43155	Rock	1.6	0.01	0.5	23	28	84	140	<5	<3	6	<10	<2	<0.2	19	26
43156	Rock	1.3	0.07	<0.1	4	4	12	30	<5	<3	4	<10	<2	<0.2	2	10
43157	Rock	1.4	0.04	<0.1	5	5	7	14	<5	<3	3	<10	<2	<0.2	3	15
43158	Rock	1.5	0.01	0.8	34	38	199	9	<5	<3	9	<10	<2	6.1	7	34
43159	Rock	1.7	0.01	<0.1	1	3	19	<5	<5	<3	1	<10	<2	<0.2	5	5
43160	Rock	1.7	0.01	0.1	332	<2	41	<5	<5	<3	2	<10	<2	<0.2	38	12
43161	Rock	1.5	<0.01	<0.1	2	<2	80	<5	<5	<3	<1	<10	<2	<0.2	16	74
43500	Rock	1.3	0.24	1.4	1109	<2	65	294	<5	<3	2	<10	<2	<0.2	26	253

Sample Name	SampleType	Wt	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni
		Kg	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43501	Rock	1.2	0.01	<0.1	38	<2	72	<5	<5	<3	1	<10	<2	<0.2	22	95
43502	Rock	1.5	0.01	0.2	76	5	138	21	<5	<3	2	<10	<2	<0.2	21	15
43503	Rock	1.4	0.01	<0.1	32	<2	100	<5	<5	<3	2	<10	<2	<0.2	20	10
43504	Rock	1.4	0.03	1.8	44	<2	47	17	<5	<3	25	<10	<2	<0.2	7	98
43505	Rock	1.5	0.01	<0.1	6	<2	44	7	<5	<3	1	<10	<2	<0.2	17	28
43506	Rock	1.5	0.01	<0.1	290	<2	108	<5	<5	<3	2	<10	<2	<0.2	39	55
43507	Rock	1.6	0.01	1.0	312	<2	23	11	<5	<3	4	<10	<2	<0.2	9	16
43508	Rock	1.6	0.01	0.1	185	<2	62	<5	<5	<3	1	<10	<2	<0.2	29	17
43509	Rock	1.7	0.01	<0.1	76	<2	112	<5	<5	<3	3	<10	<2	<0.2	56	238
43510	Rock	2.1	0.01	<0.1	36	<2	64	<5	<5	<3	<1	<10	<2	<0.2	12	6
43511	Rock	1.7	0.01	<0.1	60	<2	91	<5	<5	<3	1	<10	<2	<0.2	40	60
43512	Rock	1.2	0.01	<0.1	54	<2	82	<5	<5	<3	2	<10	<2	<0.2	29	19
43513	Rock	1.4	0.01	<0.1	81	<2	44	<5	<5	<3	1	<10	<2	<0.2	21	35
43514	Rock	1.4	0.02	0.1	151	<2	35	<5	<5	<3	1	<10	<2	<0.2	23	48
43515	Rock	1.4	0.01	<0.1	156	<2	68	<5	<5	<3	2	<10	<2	<0.2	29	51
43516	Rock	1.9	0.03	<0.1	153	<2	33	<5	<5	<3	<1	<10	<2	<0.2	17	29
43517	Rock	1.6	0.01	<0.1	53	<2	11	11	<5	<3	2	<10	<2	<0.2	1	6
43518	Rock	1.9	0.01	0.4	136	<2	51	38	<5	<3	3	<10	<2	<0.2	31	34
43519	Rock	1.4	0.01	<0.1	26	11	68	51	<5	<3	1	<10	<2	<0.2	15	7
43520	Rock	1.7	0.01	2.5	125	641	1486	26	<5	<3	7	<10	<2	10.0	8	13
43521	Rock	1.6	0.01	<0.1	9	<2	66	13	<5	<3	1	<10	<2	<0.2	6	3
43522	Rock	1.6	<0.01	0.6	23	57	51	21	<5	<3	1	<10	<2	<0.2	11	60
43523	Rock	1.5	0.01	<0.1	1	4	7	<5	<5	<3	<1	<10	<2	<0.2	<1	4
43524	Rock	1.5	0.01	<0.1	11	<2	80	<5	<5	<3	1	<10	<2	<0.2	17	53
RE 43129	Repeat	--	0.04	6.4	625	14	463	580	<5	<3	21	<10	<2	<0.2	60	28
RE 43148	Repeat	--	<0.01	<0.1	11	<2	16	<5	<5	<3	2	<10	<2	<0.2	10	33
RE 43506	Repeat	--	0.01	<0.1	289	<2	108	<5	<5	<3	3	<10	<2	<0.2	39	56
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1
Maximum detection		9999	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000
Method		Spec	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

Certificate#: 08F27(
Client: Kettle River
Project: 41
Shipment#: 08-8
PO#:
No. of Samples: 5
Analysis #1: ICP(A(
Analysis #2: Au(FA
Analysis #3:
Comment #1: do Ag
Comment #2: do Cu
Date In: Jun 09, 20(
Date Out: Jul 07, 20

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
43129	49	<5	40	71	2804	<2	18	<1	<1	0.07	0.50	3.02	14.71	0.09	0.02	0.01	0.13
43130	124	<5	69	83	1280	17	236	<1	6	0.01	2.82	3.47	5.26	2.29	0.20	0.02	0.09
43131	60	<5	96	35	691	16	30	<1	3	<0.01	2.64	1.25	3.82	1.86	0.14	0.01	0.09
43132	23	<5	134	12	489	5	72	<1	<1	<0.01	0.92	2.09	1.66	0.69	0.06	0.01	0.04
43133	55	<5	78	12	445	5	279	2	2	<0.01	0.60	11.39	1.47	0.52	0.09	0.01	0.08
43134	70	<5	60	145	1044	<2	32	3	7	0.27	3.89	0.68	6.44	3.44	0.04	0.05	0.08
43135	11	<5	15	37	391	<2	21	4	6	0.27	0.57	0.61	6.47	0.13	0.29	0.02	0.07
43136	55	<5	44	134	861	<2	57	1	7	0.19	3.11	1.33	5.48	2.83	0.09	0.05	0.08
43137	50	<5	48	69	516	<2	55	4	4	0.29	1.87	0.74	4.07	1.35	0.03	0.03	0.08
43138	134	<5	42	52	1317	<2	161	<1	3	0.12	1.78	5.20	2.94	1.17	0.06	0.02	0.08
43139	67	<5	26	122	578	4	43	<1	5	0.06	3.94	2.44	5.56	3.69	0.10	0.04	0.07
43140	130	<5	31	38	215	<2	80	3	3	0.19	1.21	1.31	2.49	0.37	0.09	0.12	0.12
43141	80	<5	133	81	476	<2	28	3	7	0.29	2.62	2.51	2.14	1.16	0.08	0.16	0.05
43142	207	<5	66	201	534	<2	73	<1	11	0.22	2.18	1.90	8.15	0.82	0.35	0.19	0.15
43143	285	<5	72	231	468	<2	33	<1	10	0.29	2.72	1.44	10.33	1.21	0.37	0.26	0.09
43144	217	<5	93	24	184	7	10	3	3	0.13	0.72	0.63	1.73	0.54	0.08	0.04	0.14
43145	229	<5	99	24	183	7	11	4	3	0.14	0.73	0.64	1.76	0.54	0.08	0.04	0.13
43146	99	<5	130	41	357	25	22	9	2	0.21	1.26	2.14	0.97	0.64	0.18	0.02	0.13
43147	62	<5	52	70	345	<2	25	<1	8	0.08	1.67	1.57	2.62	0.66	0.05	0.17	0.01
43148	7	<5	138	65	161	<2	58	<1	5	0.02	4.09	3.36	2.11	0.80	0.02	0.07	<0.01
43149	24	<5	148	58	420	<2	39	<1	7	0.12	2.91	2.05	2.30	1.65	0.04	0.28	0.02
43150	21	<5	65	76	1459	<2	38	8	6	0.26	1.81	9.96	4.70	0.29	0.01	0.01	0.14
43151	80	<5	73	220	1069	<2	15	<1	21	0.21	1.81	2.53	4.77	0.89	0.14	0.19	0.05
43152	637	<5	226	173	1280	<2	49	<1	17	0.22	3.38	3.73	4.45	2.52	1.00	0.14	0.03
43153	49	<5	304	73	512	<2	37	<1	7	0.15	3.28	1.35	3.40	2.71	0.05	0.19	0.03
43154	87	<5	26	38	279	<2	68	2	4	0.16	1.25	1.60	2.87	0.57	0.07	0.08	0.08
43155	83	<5	65	41	153	<2	82	3	3	0.12	1.22	2.10	2.07	0.47	0.07	0.14	0.08
43156	51	<5	44	18	517	2	224	1	1	<0.01	0.32	22.12	0.74	0.19	0.07	0.01	0.16
43157	31	<5	46	15	339	<2	192	<1	1	<0.01	0.31	22.79	0.60	0.26	0.06	0.01	0.08
43158	27	<5	113	11	111	3	34	5	<1	0.09	0.29	6.36	0.83	0.04	0.03	0.02	0.05
43159	40	<5	84	39	1342	20	15	6	2	0.16	1.17	4.30	0.87	0.08	0.03	0.01	0.13
43160	72	<5	27	83	334	12	162	2	4	0.29	3.50	3.25	3.59	0.50	0.09	0.47	0.16
43161	77	<5	126	60	1401	8	78	<1	6	0.03	2.18	5.51	3.35	2.37	0.09	0.02	0.05
43500	65	<5	1122	93	326	<2	9	<1	6	0.01	0.80	0.08	16.64	0.39	0.06	0.01	0.04

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
43501	48	<5	135	55	846	16	80	<1	6	0.01	2.87	4.32	4.04	2.69	0.09	0.02	0.08
43502	61	<5	18	64	351	<2	166	<1	6	<0.01	2.46	4.39	6.28	2.26	0.16	0.02	0.06
43503	77	<5	45	150	782	<2	96	2	7	0.23	4.38	4.30	5.65	4.06	0.07	0.10	0.06
43504	17	<5	19	21	785	<2	167	<1	<1	0.01	0.64	10.04	15.73	0.45	<0.01	0.01	0.04
43505	45	<5	28	43	171	<2	158	3	2	0.12	0.75	5.27	2.27	1.02	0.12	0.03	0.11
43506	584	<5	75	191	451	<2	44	<1	6	0.18	3.91	1.87	8.09	1.33	0.98	0.30	0.06
43507	59	<5	90	41	259	5	17	3	2	0.13	0.79	0.57	3.27	0.28	0.06	0.03	0.05
43508	49	<5	44	145	539	<2	14	<1	12	0.22	1.18	1.87	4.17	0.66	0.07	0.13	0.05
43509	563	<5	419	156	491	7	16	<1	4	0.28	4.01	1.26	7.16	3.26	0.49	0.05	0.26
43510	11	<5	42	77	883	5	82	5	5	0.22	1.05	4.98	3.60	0.20	0.02	0.03	0.32
43511	41	<5	80	268	228	<2	8	<1	4	0.13	2.84	0.38	7.45	2.61	0.03	0.04	0.02
43512	58	<5	35	167	302	<2	32	<1	5	0.24	1.65	0.99	6.55	1.23	0.04	0.05	0.16
43513	435	<5	41	81	315	<2	34	<1	4	0.20	1.96	0.86	3.08	1.73	0.67	0.10	0.08
43514	188	<5	122	54	384	<2	61	<1	6	0.15	2.01	1.32	2.95	1.12	0.28	0.12	0.06
43515	882	<5	106	86	511	<2	44	<1	7	0.23	4.50	1.37	4.90	2.71	1.74	0.31	0.04
43516	144	<5	42	87	530	<2	11	<1	7	0.10	1.15	0.75	2.55	1.03	0.14	0.07	0.03
43517	288	<5	88	14	47	3	4	<1	<1	<0.01	0.21	0.02	1.95	0.06	0.07	0.01	0.01
43518	16	<5	44	109	3653	<2	162	8	9	0.06	1.75	10.61	7.63	1.06	0.02	0.01	0.09
43519	140	<5	44	45	142	4	65	2	5	0.16	0.76	1.09	1.96	0.35	0.07	0.10	0.12
43520	76	<5	22	44	812	4	88	4	3	0.10	0.72	6.04	1.18	0.45	0.05	0.04	0.12
43521	36	<5	58	36	542	<2	76	<1	3	0.07	0.98	2.77	2.05	0.50	0.04	0.01	0.08
43522	99	18	78	18	190	<2	52	<1	2	0.07	0.41	7.81	1.55	0.41	0.03	0.03	0.05
43523	18	<5	5	3	174	<2	409	<1	<1	<0.01	0.05	37.41	0.23	0.30	0.01	<0.01	0.03
43524	47	<5	115	50	1092	7	29	2	4	0.10	2.17	1.42	3.63	1.72	0.03	0.02	0.07
RE 43129	51	<5	39	69	2790	<2	18	<1	<1	0.07	0.50	2.93	14.54	0.09	0.02	<0.01	0.13
RE 43148	7	<5	136	65	159	<2	58	<1	5	0.02	3.97	3.33	2.04	0.80	0.02	0.07	<0.01
RE 43506	585	<5	76	189	450	<2	44	<1	7	0.18	3.87	1.87	8.00	1.32	1.00	0.30	0.06
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detectior	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighte*

APPENDIX 4c

Analytical Results – Trench Samples

Certificate#: 08E2543
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-2
PO#:
No. of Samples: 47
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: May 30, 2008
Date Out: Jun 27, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm
44001	Drill Core	2.0	<0.01	--	--	0.4	22	18	98	80	<5	<3	1	<10	<2	<0.2	11
44002	Drill Core	3.2	<0.01	--	--	<0.1	13	3	28	40	<5	<3	2	<10	<2	<0.2	<1
44003	Drill Core	5.7	0.01	--	--	0.1	26	11	91	60	<5	<3	3	<10	<2	<0.2	7
44004	Drill Core	6.1	0.01	--	--	0.2	35	7	107	70	<5	<3	4	<10	<2	<0.2	7
44005	Drill Core	2.0	<0.01	--	--	0.2	55	2	91	51	<5	<3	2	<10	<2	<0.2	11
44006	Drill Core	1.7	<0.01	--	--	0.4	25	5	133	100	<5	<3	2	<10	<2	<0.2	13
44007	Drill Core	4.6	<0.01	--	--	0.1	16	4	68	57	<5	<3	2	<10	<2	<0.2	8
44008	Drill Core	4.3	<0.01	--	--	<0.1	11	<2	74	22	<5	<3	2	<10	<2	<0.2	2
44009	Drill Core	3.5	<0.01	--	--	<0.1	29	<2	88	57	<5	<3	4	<10	<2	<0.2	4
44010	Drill Core	4.4	<0.01	--	--	<0.1	24	<2	75	52	<5	<3	3	<10	<2	<0.2	7
44011	Drill Core	4.2	<0.01	--	--	0.3	46	<2	107	37	<5	<3	8	<10	<2	<0.2	12
44012	Drill Core	4.6	<0.01	--	--	0.2	43	5	79	45	<5	<3	14	<10	<2	<0.2	6
44013	Drill Core	5.5	<0.01	--	--	<0.1	22	3	65	28	<5	<3	4	<10	<2	<0.2	4
44014	Drill Core	4.8	0.01	--	--	0.1	10	<2	24	19	<5	<3	3	<10	<2	<0.2	4
44015	Drill Core	2.3	<0.01	--	--	<0.1	10	<2	40	35	<5	<3	2	<10	<2	<0.2	4
44016	Drill Core	1.1	<0.01	--	--	0.3	69	<2	375	28	<5	<3	3	<10	<2	<0.2	17
44017	Drill Core	3.0	<0.01	--	--	0.1	51	<2	56	24	<5	<3	3	<10	<2	<0.2	17
44018	Drill Core	4.2	<0.01	--	--	0.2	48	8	68	9	<5	<3	1	<10	<2	<0.2	11
44019	Drill Core	3.5	<0.01	--	--	0.3	78	35	75	19	<5	<3	1	<10	<2	<0.2	16
44020	Drill Core	7.6	0.01	--	--	0.3	118	<2	76	37	<5	<3	2	<10	<2	<0.2	30
44021	Drill Core	6.6	<0.01	--	--	0.2	75	<2	59	26	<5	<3	1	<10	<2	<0.2	24
44022	Pulp	--	1.00	1.02	--	1.2	34	24	177	2324	115	<3	7	<10	<2	<0.2	9
44023	Drill Core	1.5	<0.01	--	--	<0.1	7	20	80	12	<5	<3	6	<10	<2	<0.2	3
44024	Drill Core	3.1	0.01	--	--	<0.1	7	6	16	15	<5	<3	<1	<10	<2	<0.2	1
44025	Drill Core	4.6	0.12	--	--	6.3	1485	7	293	621	<5	<3	15	<10	<2	<0.2	95
44026	Drill Core	5.8	0.01	--	--	1.5	310	2	161	88	<5	<3	4	<10	<2	<0.2	51
44027	Drill Core	5.3	0.05	--	--	4.4	1700	4	222	134	<5	<3	13	<10	<2	<0.2	180
44028	Drill Core	7.2	0.03	--	--	5.2	848	<2	109	175	<5	<3	6	<10	<2	<0.2	79
44029	Drill Core	3.5	0.06	--	104.1	110.0	577	60	159	225	<5	<3	12	<10	<2	<0.2	66
44030	Drill Core	5.4	<0.01	--	--	0.5	19	2	105	44	<5	<3	2	<10	<2	<0.2	16
44031	Drill Core	4.7	<0.01	--	--	0.3	48	<2	89	56	<5	<3	2	<10	<2	<0.2	19
44032	Drill Core	3.9	<0.01	--	--	0.2	20	<2	67	30	<5	<3	2	<10	<2	<0.2	16

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm
44033	Drill Core	7.9	<0.01	--	--	0.3	20	<2	64	23	<5	<3	2	<10	<2	<0.2	18
44034	Drill Core	4.3	<0.01	--	--	0.8	43	3	101	39	<5	<3	3	<10	<2	<0.2	18
44035	Drill Core	3.7	0.01	--	--	0.8	39	27	149	23	<5	<3	2	<10	<2	<0.2	15
44036	Drill Core	3.9	<0.01	--	--	0.7	34	8	123	32	<5	<3	3	<10	<2	<0.2	21
44037	Drill Core	6.1	<0.01	--	--	0.3	29	35	611	35	<5	<3	2	<10	<2	<0.2	16
44038	Drill Core	5.8	<0.01	--	--	0.3	28	18	123	12	<5	<3	2	<10	<2	<0.2	12
44039	Drill Core	6.2	<0.01	--	--	0.2	24	25	159	139	<5	<3	2	<10	<2	<0.2	23
44040	Drill Core	9.5	<0.01	--	--	1.6	82	490	1818	151	<5	<3	5	<10	<2	11.3	36
44041	Drill Core	8.5	0.01	--	--	1.3	95	305	1173	147	<5	<3	4	<10	<2	7.4	44
44042	Pulp	--	1.00	1.01	--	1.0	33	23	173	2282	125	<3	7	<10	<2	<0.2	9
44043	Drill Core	2.0	<0.01	--	--	0.2	4	23	79	15	<5	<3	7	<10	<2	<0.2	2
44044	Drill Core	4.6	0.63	--	--	25.2	6181	<2	579	102	<5	<3	2	<10	<2	<0.2	34
44045	Drill Core	4.7	0.01	--	--	<0.1	43	11	1421	11	<5	<3	1	<10	<2	3.0	7
44046	Drill Core	8.8	0.24	--	--	1.7	388	<2	143	343	<5	<3	9	<10	<2	<0.2	24
44047	Drill Core	8.2	0.08	--	--	6.8	2633	<2	462	133	<5	<3	4	<10	<2	<0.2	46
RE 44001	Repeat	--	<0.01	--	--	0.4	23	19	101	80	<5	<3	1	<10	<2	<0.2	12
RE 44020	Repeat	--	0.01	--	--	0.4	117	<2	76	36	<5	<3	2	<10	<2	<0.2	31
RE 44040	Repeat	--	<0.01	--	--	1.6	83	490	1796	150	<5	<3	5	<10	<2	11.2	36
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.2	1
Maximum detection		9999	5000	5000	9999	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

Certificate#: 08E2
Client: Kettle Riv
Project: 41
Shipment#: 2008-
PO#:
No. of Samples:
Analysis #1: ICP(
Analysis #2: Au(F
Analysis #3:
Comment #1: do
Comment #2: do
Date In: May 30,
Date Out: Jun 27,

Sample Name	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
44001	22	66	<5	49	90	373	6	196	2	6	0.08	0.93	7.67	1.87	0.70	0.11	0.02	0.08
44002	5	15	<5	16	25	634	5	1134	2	2	<0.01	0.29	31.71	0.67	0.47	0.02	0.01	0.05
44003	28	91	<5	46	86	581	11	490	<1	3	0.01	0.97	19.18	2.00	0.96	0.09	0.01	0.09
44004	30	49	<5	44	103	603	13	537	1	4	0.01	1.02	21.06	1.92	1.04	0.07	0.01	0.10
44005	25	73	<5	44	88	1064	9	409	2	6	0.04	1.05	19.72	2.35	1.08	0.07	0.01	0.08
44006	29	55	<5	53	116	607	8	358	2	5	0.03	1.05	14.29	2.69	1.00	0.06	0.01	0.11
44007	17	78	<5	34	75	633	5	394	2	5	0.05	0.91	20.97	2.10	1.14	0.10	0.02	0.08
44008	13	24	<5	25	70	406	6	551	2	2	0.01	0.62	29.64	0.83	0.90	0.03	0.01	0.06
44009	20	45	<5	27	85	718	6	512	1	3	0.01	0.87	26.21	1.43	0.99	0.04	0.01	0.06
44010	18	38	<5	31	75	1268	8	412	<1	4	<0.01	1.25	18.73	2.34	1.00	0.08	0.01	0.07
44011	28	65	<5	34	99	627	6	394	1	6	0.02	1.37	15.90	2.53	1.08	0.09	0.04	0.08
44012	20	57	<5	30	82	618	5	427	3	4	0.03	1.02	22.28	1.70	0.80	0.03	0.07	0.08
44013	8	34	<5	15	31	1191	4	534	1	3	0.01	0.72	30.00	1.44	0.78	0.03	0.02	0.05
44014	10	64	<5	18	29	1568	4	551	3	2	0.03	0.82	29.92	1.41	1.10	0.05	0.03	0.06
44015	9	43	<5	20	40	1948	4	558	3	4	0.01	0.91	30.42	1.76	1.26	0.03	0.01	0.06
44016	16	98	<5	36	73	1569	7	123	2	9	0.12	2.15	5.86	3.46	1.42	0.14	0.09	0.11
44017	13	92	<5	41	120	597	3	82	<1	15	0.14	2.21	1.90	3.45	1.41	0.15	0.14	0.11
44018	8	93	<5	27	78	762	3	90	2	10	0.16	1.69	1.91	1.91	1.26	0.08	0.14	0.10
44019	10	53	<5	39	75	937	3	62	2	10	0.14	1.27	2.02	1.97	1.13	0.05	0.10	0.12
44020	16	59	<5	37	90	1518	7	36	1	12	0.13	1.40	0.97	2.73	1.33	0.04	0.06	0.10
44021	13	58	<5	34	72	1406	7	40	2	9	0.13	1.06	1.04	2.18	0.92	0.04	0.07	0.09
44022	33	84	<5	83	35	545	18	147	4	8	<0.01	0.54	1.07	3.39	0.34	0.15	0.01	0.06
44023	2	26	<5	22	14	712	77	51	9	2	0.02	0.41	0.94	2.62	0.27	0.11	0.03	0.05
44024	2	8	<5	6	4	1071	<2	405	<1	<1	<0.01	0.07	36.65	0.31	0.27	<0.01	0.01	0.02
44025	118	80	<5	52	57	6081	<2	28	<1	3	0.02	0.99	3.43	11.16	0.78	<0.01	0.01	0.15
44026	54	18	5	54	68	4769	<2	28	2	3	0.07	1.47	11.56	7.47	0.36	<0.01	0.01	0.12
44027	105	59	<5	38	57	5363	3	24	<1	3	0.07	1.00	6.51	12.27	0.36	0.01	0.01	0.18
44028	43	29	<5	39	66	4403	<2	25	<1	2	0.05	1.11	5.68	13.37	0.29	0.02	0.01	0.14
44029	30	43	<5	26	50	3224	<2	57	<1	6	0.02	2.18	1.94	8.21	0.70	0.11	0.01	0.10
44030	4	24	<5	16	106	1373	<2	73	<1	8	0.14	2.04	2.11	4.30	1.53	0.05	0.04	0.11
44031	6	34	<5	13	111	1203	<2	65	<1	8	0.15	2.22	1.06	4.63	1.52	0.08	0.06	0.11
44032	4	42	<5	17	113	1044	<2	66	<1	8	0.18	2.45	1.20	4.31	1.49	0.09	0.11	0.11

Sample Name	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
44033	4	34	<5	12	117	1170	3	66	<1	10	0.19	2.33	1.12	4.00	1.43	0.08	0.12	0.11
44034	7	23	<5	15	120	1189	2	35	<1	10	0.21	1.89	0.72	4.59	1.34	0.07	0.07	0.12
44035	4	25	<5	16	90	754	<2	33	<1	6	0.18	1.37	0.75	3.91	0.88	0.07	0.08	0.11
44036	4	20	<5	16	87	817	<2	35	<1	6	0.15	1.44	0.71	3.84	1.02	0.05	0.08	0.11
44037	4	27	<5	16	117	1968	<2	47	<1	9	0.14	1.93	1.71	4.23	1.34	0.06	0.05	0.11
44038	54	76	<5	101	48	2603	5	404	2	6	0.06	1.41	17.57	2.87	0.90	0.08	0.01	0.07
44039	94	54	<5	191	83	1368	6	134	2	10	0.13	1.57	6.87	2.77	1.30	0.09	0.04	0.07
44040	148	60	<5	193	117	1074	11	94	<1	11	0.19	2.33	1.59	4.13	1.81	0.13	0.07	0.09
44041	150	69	<5	186	118	1114	10	124	1	12	0.21	2.38	1.97	4.08	1.83	0.15	0.09	0.09
44042	32	96	<5	83	36	539	18	147	5	8	<0.01	0.56	1.05	3.34	0.33	0.15	0.01	0.06
44043	<1	23	<5	17	10	711	90	41	14	2	0.01	0.30	1.03	2.60	0.13	0.10	0.03	0.05
44044	115	34	45	86	57	3273	<2	60	<1	2	0.07	2.02	14.39	10.42	0.38	<0.01	0.01	0.09
44045	7	13	<5	15	15	935	3	1459	<1	1	<0.01	0.37	36.03	0.80	0.28	0.03	0.01	0.04
44046	20	51	10	68	57	1610	<2	211	<1	2	0.02	2.16	7.39	10.86	0.58	0.02	0.01	0.06
44047	26	16	68	60	44	2289	<2	338	<1	3	0.05	1.49	16.41	9.88	0.41	0.02	0.01	0.07
RE 44001	23	66	<5	47	90	388	7	207	2	6	0.08	0.93	8.00	1.95	0.70	0.11	0.02	0.09
RE 44020	16	59	<5	36	90	1538	7	36	1	12	0.13	1.40	0.97	2.70	1.33	0.04	0.06	0.10
RE 44040	149	60	<5	193	117	1077	10	94	1	11	0.19	2.33	1.58	4.17	1.82	0.14	0.07	0.09
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detecti	1	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detecti	10000	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highligh*

APPENDIX 4d

Analytical Results – Drill Core Samples

ddh KRR 08-1

Certificate#: 08F2605
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 08-5
PO#:
No. of Samples: 62
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 03, 2008
Date Out: Jul 03, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28001	Drill Core	3.4	0.13	--	0.2	119	<2	89	148	<5	<3	12	<10	<2	<0.2	18	79	44	<5	79	79
28002	Drill Core	5.6	0.07	--	0.1	62	<2	57	290	<5	<3	27	<10	<2	<0.2	20	94	29	<5	73	62
28003	Drill Core	5.8	0.03	--	0.1	52	<2	73	227	<5	<3	20	<10	<2	<0.2	25	107	25	<5	86	67
28004	Drill Core	6.7	0.01	--	<0.1	53	<2	51	138	<5	<3	10	<10	<2	<0.2	19	103	58	<5	75	54
28005	Drill Core	7.1	0.15	--	0.2	54	<2	80	226	<5	<3	15	<10	<2	<0.2	15	92	47	<5	86	85
28006	Drill Core	7.8	0.03	--	0.6	92	<2	85	373	<5	<3	14	<10	<2	<0.2	18	100	31	<5	87	83
28007	Drill Core	6.3	0.02	--	0.4	116	<2	71	299	<5	<3	13	<10	<2	<0.2	16	100	47	<5	85	77
28008	Drill Core	7.2	0.02	--	0.3	101	<2	118	35	<5	<3	18	<10	<2	<0.2	14	70	41	<5	87	78
28009	Drill Core	6.5	0.01	--	0.9	117	9	241	186	<5	<3	40	<10	<2	<0.2	19	105	29	<5	96	108
28010	Pulp	--	0.99	--	1.0	31	18	163	2166	115	<3	6	<10	<2	<0.2	9	29	100	<5	64	27
28011	Drill Core	6.3	0.01	--	0.1	49	4	103	72	<5	<3	16	<10	<2	<0.2	18	98	59	<5	84	79
28012	Drill Core	2.3	<0.01	--	0.2	33	3	137	<5	<5	<3	3	<10	<2	<0.2	19	45	145	<5	147	95
28013	Drill Core	6.9	<0.01	--	0.1	24	<2	74	<5	<5	<3	3	<10	<2	<0.2	15	34	192	<5	125	76
28014	Drill Core	2.6	<0.01	--	0.5	45	<2	87	7	<5	<3	3	<10	<2	<0.2	20	43	124	<5	144	97
28015	Drill Core	2.2	<0.01	--	1.8	7	2	65	8	<5	<3	4	<10	<2	<0.2	3	10	11	<5	86	43
28016	Drill Core	2.3	0.01	--	2.9	4	5	37	12	<5	<3	3	<10	<2	<0.2	3	9	37	<5	66	27
28017	Drill Core	2.6	0.01	--	1.5	4	11	38	14	<5	<3	3	<10	<2	<0.2	4	10	140	<5	57	32
28018	Drill Core	4.8	0.01	--	0.2	5	23	73	11	<5	<3	2	<10	<2	<0.2	2	5	94	<5	21	11
28019	Drill Core	4.2	0.01	--	0.1	12	9	25	15	<5	<3	14	<10	<2	<0.2	2	5	59	<5	16	17
28020	Drill Core	1.5	0.01	--	0.1	3	12	69	16	<5	<3	6	<10	<2	<0.2	2	2	29	<5	30	10
28021	Drill Core	4.5	0.02	--	0.1	7	7	25	21	<5	<3	4	<10	<2	<0.2	2	7	28	<5	16	23
28022	Drill Core	4.8	0.01	--	0.7	4	6	27	18	<5	<3	2	<10	<2	<0.2	2	6	25	<5	23	20
28023	Drill Core	2.7	0.26	--	71.0	67	283	116	60	<5	<3	9	<10	<2	<0.2	4	13	11	<5	103	25
28024	Drill Core	2.7	0.17	--	37.8	41	223	149	47	<5	<3	4	<10	<2	<0.2	4	13	17	<5	100	24
28025	Drill Core	4.4	0.08	--	9.0	23	55	67	46	<5	<3	2	<10	<2	<0.2	5	13	26	<5	31	33
28026	Drill Core	4.0	0.55	178.5	167.0	209	542	102	41	<5	<3	2	<10	<2	<0.2	5	14	7	<5	96	31
28027	Drill Core	5.7	0.03	--	1.9	59	<2	81	27	<5	<3	3	<10	<2	<0.2	11	12	44	<5	25	49
28028	Drill Core	4.1	0.01	--	0.1	36	<2	55	10	<5	<3	2	<10	<2	<0.2	14	17	45	<5	43	79
28029	Drill Core	5.1	0.01	--	0.2	45	11	80	12	<5	<3	2	<10	<2	<0.2	17	22	48	<5	41	80
28030	Pulp	--	0.99	--	0.9	31	20	163	2173	119	<3	6	<10	<2	<0.2	9	29	100	<5	62	27
28031	Drill Core	4.7	0.02	--	<0.1	28	<2	82	14	<5	<3	2	<10	<2	<0.2	19	21	116	<5	41	128
28032	Drill Core	5.9	0.02	--	<0.1	33	3	95	14	<5	<3	3	<10	<2	<0.2	19	51	39	<5	110	116
28033	Drill Core	5.4	0.01	--	<0.1	48	<2	73	10	<5	<3	2	<10	<2	<0.2	16	17	43	<5	33	103
28034	Drill Core	5.5	0.01	--	0.2	39	44	189	10	<5	<3	1	<10	<2	<0.2	20	12	38	<5	33	41
28035	Drill Core	5.5	0.01	--	0.1	27	25	185	11	<5	<3	2	<10	<2	<0.2	16	7	28	<5	33	37
28036	Drill Core	5.3	0.01	--	0.1	29	16	154	8	<5	<3	<1	<10	<2	<0.2	15	6	28	<5	24	31
28037	Drill Core	5.1	0.01	--	<0.1	8	<2	70	<5	<5	<3	1	<10	<2	<0.2	13	7	98	<5	38	65

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Sample Name	SampleType	Wt	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28038	Drill Core	4.7	0.01	--	<0.1	114	<2	47	<5	<5	<3	3	<10	<2	<0.2	14	9	88	<5	41	65
28039	Drill Core	5.0	0.01	--	<0.1	44	<2	106	8	<5	<3	2	<10	<2	<0.2	16	9	70	<5	32	66
28040	Drill Core	1.9	<0.01	--	<0.1	3	10	70	9	<5	<3	5	<10	<2	<0.2	2	1	24	<5	29	10
28041	Drill Core	6.0	0.04	--	<0.1	17	5	39	9	<5	<3	45	<10	<2	<0.2	4	4	10	9	53	24
28042	Drill Core	6.1	0.01	--	<0.1	12	7	46	11	<5	<3	48	<10	<2	<0.2	4	4	19	<5	55	31
28043	Drill Core	6.0	0.03	--	2.0	371	22	113	10	<5	<3	6	<10	<2	<0.2	10	7	37	<5	47	34
28044	Drill Core	5.2	0.02	--	1.2	244	17	118	13	<5	<3	2	<10	<2	<0.2	14	7	50	<5	35	47
28045	Drill Core	5.7	0.02	--	0.3	57	8	144	131	<5	<3	21	<10	<2	<0.2	15	17	40	<5	40	64
28046	Drill Core	5.4	0.01	--	0.1	29	6	70	11	<5	<3	9	<10	<2	<0.2	6	7	28	<5	31	41
28047	Drill Core	5.5	0.01	--	1.1	302	20	133	10	<5	<3	1	<10	<2	<0.2	10	5	36	5	31	28
28048	Drill Core	5.5	0.02	--	0.3	49	27	190	9	<5	<3	1	<10	<2	<0.2	9	6	26	<5	29	33
28049	Drill Core	5.3	<0.01	--	0.5	85	71	230	13	<5	<3	<1	<10	<2	<0.2	11	7	32	<5	36	27
28050	Pulp	--	0.99	--	0.9	34	22	178	2316	119	<3	7	<10	<2	<0.2	10	31	100	<5	75	31
28051	Drill Core	5.4	<0.01	--	0.7	124	89	203	22	<5	<3	2	<10	<2	<0.2	16	13	33	<5	42	52
28052	Drill Core	4.9	0.01	--	0.4	67	92	362	29	<5	<3	2	<10	<2	<0.2	15	11	49	<5	41	55
28053	Drill Core	4.9	<0.01	--	0.4	67	20	132	32	<5	<3	3	<10	<2	<0.2	20	23	48	<5	34	54
28054	Drill Core	4.8	0.10	--	0.5	92	4	91	26	<5	<3	2	<10	<2	<0.2	23	16	40	<5	31	91
28055	Drill Core	5.8	0.04	--	2.0	336	541	1018	15	<5	<3	21	<10	<2	5.6	17	10	53	<5	33	65
28056	Drill Core	5.7	0.01	--	0.5	140	15	95	8	<5	<3	16	<10	<2	<0.2	7	5	43	<5	29	51
28057	Drill Core	5.7	0.04	--	0.9	405	3	80	53	<5	<3	2	<10	<2	<0.2	11	6	26	<5	13	72
28058	Drill Core	5.2	0.01	--	<0.1	13	2	29	6	<5	<3	2	<10	<2	<0.2	3	8	15	<5	16	29
28059	Drill Core	5.1	0.01	--	<0.1	8	<2	42	61	<5	<3	3	<10	<2	<0.2	5	15	25	<5	26	45
28060	Drill Core	2.0	<0.01	--	<0.1	4	44	75	20	<5	<3	6	<10	<2	<0.2	2	<1	25	<5	25	10
28061	Drill Core	2.8	<0.01	--	<0.1	18	<2	44	31	<5	<3	3	<10	<2	<0.2	4	9	12	<5	23	40
28062	Drill Core	1.9	<0.01	--	<0.1	10	4	50	12	<5	<3	3	<10	<2	<0.2	4	8	31	<5	22	41
RE 28001	Repeat	--	0.13	--	0.2	120	<2	91	150	<5	<3	12	<10	<2	<0.2	20	81	44	<5	81	81
RE 28020	Repeat	--	0.01	--	0.1	3	13	70	16	<5	<3	6	<10	<2	<0.2	1	2	30	<5	30	10
RE 28040	Repeat	--	<0.01	--	<0.1	4	11	72	9	<5	<3	5	<10	<2	<0.2	2	1	25	<5	29	10
RE 28059	Repeat	--	0.01	--	<0.1	8	<2	43	61	<5	<3	2	<10	<2	<0.2	6	16	27	<5	27	45
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.3	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1	1
Maximum detection		9999	5000	9999	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	10000
Method		Spec	FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 08F
Client: Kettle Ri
Project: 41
Shipment#: 08-5
PO#:
No. of Samples:
Analysis #1: ICP
Analysis #2: Au(
Analysis #3:
Comment #1: do
Comment #2: do
Date In: Jun 03,
Date Out: Jul 03,

Sample Name	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28001	1395	12	108	2	7	0.05	1.28	5.20	2.53	0.90	0.09	0.08	0.12
28002	803	8	125	1	5	0.07	1.73	4.93	2.42	0.93	0.21	0.18	0.12
28003	912	8	131	1	5	0.06	1.73	4.44	2.29	0.97	0.16	0.18	0.10
28004	806	7	94	1	4	0.08	1.49	2.89	2.09	0.67	0.16	0.16	0.10
28005	1444	7	175	1	7	0.06	1.04	4.88	2.42	0.94	0.07	0.04	0.10
28006	1648	11	164	1	7	0.05	1.21	5.86	2.72	1.03	0.09	0.03	0.10
28007	1093	9	198	2	6	0.07	0.93	4.07	2.29	1.12	0.12	0.03	0.11
28008	1762	6	221	3	7	0.06	1.41	6.36	2.61	1.36	0.06	0.03	0.10
28009	1145	19	282	<1	9	<0.01	1.82	8.59	3.49	1.35	0.06	0.01	0.10
28010	507	11	113	8	7	<0.01	0.28	0.99	3.07	0.30	0.10	<0.01	0.04
28011	928	12	289	2	7	0.05	1.48	6.68	2.63	1.26	0.05	0.08	0.10
28012	805	65	385	7	10	0.13	2.05	4.67	3.85	2.18	0.34	0.06	0.22
28013	621	51	285	6	7	0.08	1.95	3.20	3.47	1.78	0.24	0.03	0.17
28014	593	51	219	7	7	0.20	1.85	2.93	3.98	2.25	0.09	0.05	0.21
28015	799	4	230	3	3	0.03	0.83	5.29	1.75	1.29	0.01	0.02	0.08
28016	878	4	398	3	2	0.02	0.66	15.55	1.29	1.23	0.01	0.01	0.05
28017	834	4	445	3	2	0.02	0.88	12.25	1.74	1.86	0.02	0.02	0.07
28018	730	3	644	2	1	0.02	0.36	27.79	0.58	0.88	0.03	0.01	0.05
28019	793	3	685	2	1	0.02	0.40	29.84	0.68	0.93	0.02	0.01	0.05
28020	669	79	34	18	1	<0.01	0.39	0.59	2.49	0.10	0.09	0.04	0.05
28021	971	4	678	2	2	0.02	0.52	31.60	0.87	1.00	0.02	0.01	0.05
28022	781	4	525	1	2	0.01	0.48	27.94	0.73	0.87	0.02	0.01	0.04
28023	492	3	85	2	2	<0.01	0.55	3.15	1.54	0.80	0.03	0.01	0.06
28024	406	3	67	2	2	<0.01	0.53	2.32	1.30	0.66	0.06	<0.01	0.06
28025	902	5	507	1	3	<0.01	0.74	25.95	1.51	0.71	0.06	0.01	0.06
28026	688	3	132	1	3	<0.01	0.67	5.79	1.52	0.81	0.02	<0.01	0.06
28027	816	6	287	<1	6	0.01	1.57	13.04	2.59	1.20	0.11	0.04	0.08
28028	836	4	196	<1	8	0.06	1.54	6.59	2.65	1.26	0.09	0.10	0.08
28029	865	3	230	<1	6	0.06	1.42	6.57	2.20	1.06	0.06	0.12	0.08
28030	507	10	112	8	7	<0.01	0.28	0.99	3.18	0.30	0.10	0.01	0.04
28031	884	7	378	<1	12	0.07	2.83	4.79	3.79	2.28	0.18	0.19	0.08
28032	1153	27	252	5	9	0.04	1.74	5.51	3.54	1.98	0.05	0.03	0.15
28033	944	4	182	<1	7	0.09	1.80	5.97	3.11	1.75	0.07	0.09	0.07
28034	711	2	154	<1	3	0.06	1.42	3.87	1.66	0.76	0.04	0.11	0.08
28035	1192	4	161	<1	6	0.07	0.88	5.19	1.77	1.07	0.04	0.03	0.09
28036	866	3	194	<1	4	0.07	0.83	5.11	1.72	1.04	0.04	0.06	0.10
28037	724	6	184	<1	10	0.10	2.71	2.28	3.92	1.98	0.34	0.19	0.10

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Sample Name	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28038	492	5	216	<1	10	0.12	2.84	2.30	2.61	1.85	0.59	0.23	0.11
28039	1248	6	161	<1	9	0.07	2.29	2.89	4.09	1.64	0.20	0.12	0.10
28040	696	79	51	15	1	<0.01	0.31	1.02	2.60	0.13	0.11	0.04	0.05
28041	1624	3	107	4	3	0.08	0.95	7.17	1.63	0.44	0.01	0.01	0.08
28042	1514	3	105	4	3	0.09	0.98	7.13	1.46	0.45	0.03	0.01	0.09
28043	1095	3	126	3	5	0.12	0.86	5.20	1.13	0.66	0.06	0.04	0.09
28044	1069	4	117	2	5	0.14	0.97	4.20	1.22	0.85	0.15	0.06	0.09
28045	2512	6	178	1	9	0.07	1.89	6.58	3.36	1.58	0.10	0.06	0.09
28046	1690	3	114	2	5	0.07	1.01	6.71	1.60	0.83	0.06	0.05	0.08
28047	709	2	87	2	2	0.11	0.55	3.36	0.91	0.46	0.05	0.05	0.08
28048	877	3	131	2	4	0.11	0.82	4.25	0.89	0.70	0.05	0.10	0.10
28049	748	3	105	2	4	0.10	0.59	3.72	0.84	0.63	0.05	0.05	0.10
28050	548	14	130	7	8	<0.01	0.39	1.07	3.37	0.33	0.12	0.01	0.05
28051	1072	3	152	2	7	0.12	0.97	4.07	1.50	0.83	0.06	0.05	0.10
28052	1120	3	215	2	8	0.13	1.38	4.62	2.30	1.05	0.06	0.10	0.10
28053	566	3	174	1	8	0.13	1.11	3.34	2.62	0.99	0.05	0.10	0.11
28054	781	3	295	1	12	0.13	1.49	4.69	3.42	1.77	0.05	0.07	0.10
28055	1340	2	267	2	9	0.12	1.79	4.95	2.39	1.56	0.04	0.12	0.10
28056	1290	<2	738	2	4	0.04	1.22	18.52	1.62	1.06	0.03	0.03	0.10
28057	1053	<2	708	<1	5	0.02	1.04	23.31	2.15	1.13	0.03	0.02	0.08
28058	1322	3	515	<1	3	<0.01	0.76	28.08	1.20	0.77	0.05	0.01	0.05
28059	1450	3	592	<1	4	<0.01	1.20	26.65	1.90	1.42	0.04	0.01	0.05
28060	675	81	38	19	2	0.01	0.34	0.84	2.62	0.21	0.11	0.04	0.05
28061	1391	4	569	<1	3	<0.01	1.20	27.79	1.54	1.44	0.04	0.01	0.06
28062	1286	19	423	4	3	0.01	1.03	21.82	1.79	0.96	0.06	0.02	0.07
RE 28001	1404	12	109	3	7	0.05	1.30	5.27	2.58	0.90	0.09	0.08	0.12
RE 28020	671	87	34	16	1	<0.01	0.39	0.60	2.63	0.12	0.10	0.04	0.05
RE 28040	700	83	52	19	2	<0.01	0.33	1.02	2.60	0.14	0.12	0.04	0.05
RE 28059	1452	5	607	<1	4	<0.01	1.20	27.68	1.90	1.43	0.04	0.01	0.05
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detect	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detect	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlig*

Certificate#: 08F2628
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 08-6
PO#:
No. of Samples: 29
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 04, 2008
Date Out: Jul 04, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

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ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm
28063	Drill Core	2.1	0.01	0.4	168	<2	76	20	<5	<3	3	<10	<2	<0.2	17	38	159	<5	80	85	520
28064	Drill Core	1.4	0.01	<0.1	5	21	77	20	<5	<3	5	<10	<2	<0.2	2	2	26	<5	32	11	729
28065	Drill Core	3.4	0.01	<0.1	61	<2	56	7	<5	<3	3	<10	<2	<0.2	14	13	36	<5	70	95	580
28066	Drill Core	4.7	0.01	0.1	51	<2	55	11	<5	<3	2	<10	<2	<0.2	12	10	37	<5	73	96	659
28067	Drill Core	6.5	0.02	0.2	138	<2	57	13	<5	<3	3	<10	<2	<0.2	17	11	67	<5	68	82	798
28068	Drill Core	7.6	0.05	0.8	527	<2	72	9	<5	<3	6	<10	<2	<0.2	25	17	23	<5	79	82	670
28069	Drill Core	7.0	0.03	0.5	348	<2	51	20	<5	<3	7	<10	<2	<0.2	20	48	31	<5	130	60	433
28070	Pulp	--	0.99	1.0	33	22	171	2241	118	<3	7	<10	<2	<0.2	9	31	106	<5	77	33	530
28071	Drill Core	7.6	0.02	0.2	109	<2	47	26	<5	<3	3	<10	<2	<0.2	16	42	47	<5	124	52	537
28072	Drill Core	7.2	0.02	<0.1	64	<2	49	24	<5	<3	3	<10	<2	<0.2	15	45	52	<5	132	65	644
28073	Drill Core	7.7	0.02	0.2	54	<2	65	31	<5	<3	3	<10	<2	<0.2	13	38	53	<5	113	52	1573
28074	Drill Core	7.8	0.03	0.6	22	<2	35	22	<5	<3	<1	<10	<2	<0.2	7	21	37	<5	57	24	1404
28075	Drill Core	1.7	0.02	<0.1	14	<2	27	17	<5	<3	1	<10	<2	<0.2	6	16	21	9	51	26	1565
28076	Drill Core	3.3	0.03	0.5	231	<2	70	35	<5	<3	23	<10	<2	<0.2	24	100	96	<5	98	221	1569
28077	Drill Core	3.4	0.04	0.2	14	<2	84	20	<5	<3	7	<10	<2	<0.2	8	40	12	<5	85	105	2993
28078	Drill Core	3.0	0.02	1.0	34	<2	101	52	<5	<3	24	<10	<2	<0.2	13	76	51	<5	85	164	3365
28079	Drill Core	2.8	0.01	0.2	193	<2	82	40	<5	<3	10	<10	<2	<0.2	23	80	63	<5	73	144	1313
28080	Drill Core	2.0	0.01	<0.1	4	12	70	6	<5	<3	4	<10	<2	<0.2	2	2	27	<5	26	12	718
28081	Drill Core	2.9	0.03	3.9	82	<2	117	102	<5	<3	4	<10	<2	<0.2	14	27	66	<5	47	112	2055
28082	Drill Core	4.8	0.01	<0.1	5	3	28	9	<5	<3	2	<10	<2	<0.2	3	6	49	<5	16	24	892
28083	Drill Core	5.0	0.05	217.0	130	172	90	71	<5	<3	3	<10	<2	<0.2	5	11	106	<5	25	39	1038
28084	Drill Core	4.6	0.02	1.1	40	<2	56	45	<5	<3	4	<10	<2	<0.2	15	21	51	<5	44	104	972
28085	Drill Core	5.0	0.01	0.2	32	<2	28	15	<5	<3	3	<10	<2	<0.2	9	12	175	<5	34	72	998
28086	Drill Core	4.8	0.01	0.1	15	<2	53	15	<5	<3	2	<10	<2	<0.2	15	8	102	<5	31	66	1051
28087	Drill Core	5.8	0.01	0.3	46	<2	59	33	<5	<3	6	<10	<2	<0.2	44	22	73	40	50	85	1246
28088	Drill Core	5.1	0.01	0.3	41	6	85	10	<5	<3	2	<10	<2	<0.2	28	21	72	<5	49	123	1414
28089	Drill Core	1.2	0.01	2.0	58	137	104	33	<5	<3	2	<10	<2	<0.2	213	54	19	<5	31	76	1237
28090	Pulp	--	0.99	1.0	33	23	172	2278	122	<3	7	<10	<2	<0.2	9	32	102	<5	77	33	535
28091	Drill Core	1.2	0.01	0.4	35	98	360	17	<5	<3	2	<10	<2	<0.2	25	23	137	<5	64	95	827
RE 28063	Repeat	--	0.01	0.3	167	<2	76	20	<5	<3	3	<10	<2	<0.2	16	37	157	<5	80	84	520
RE 28082	Repeat	--	0.01	<0.1	5	3	28	9	<5	<3	2	<10	<2	<0.2	2	5	49	<5	15	24	890
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1	1	1
Maximum detection		9999	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	10000	10000
Method		Spec	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-2

Certificate#: 08F2628
Client: Kettle River Re
Project: 41
Shipment#: 08-6
PO#:
No. of Samples: 29
Analysis #1: ICP(AqR)
Analysis #2: Au(FA/A
Analysis #3:
Comment #1: do Ag if
Comment #2: do Cu Pb
Date In: Jun 04, 2008
Date Out: Jul 04, 2008

Sample Name	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28063	29	91	7	8	0.16	1.65	2.60	3.01	1.06	0.25	0.14	0.11
28064	91	47	10	1	0.01	0.43	0.76	2.71	0.19	0.12	0.05	0.05
28065	14	165	2	9	0.07	1.95	1.97	3.31	1.33	0.45	0.06	0.09
28066	10	213	<1	10	0.02	1.97	2.43	3.55	1.47	0.35	0.04	0.08
28067	10	282	<1	9	0.01	2.26	3.43	3.85	1.40	0.25	0.02	0.07
28068	9	192	<1	9	0.02	1.85	3.02	4.60	1.21	0.27	0.03	0.07
28069	6	118	<1	8	0.14	1.23	2.21	3.80	1.33	0.17	0.05	0.05
28070	18	138	7	7	<0.01	0.47	1.03	3.24	0.32	0.13	0.01	0.05
28071	8	145	<1	8	0.08	1.20	3.44	2.82	1.27	0.13	0.04	0.05
28072	9	127	1	8	0.10	1.41	3.26	2.65	1.26	0.12	0.06	0.06
28073	8	125	3	6	0.14	1.17	3.74	3.05	0.90	0.18	0.03	0.06
28074	4	119	5	2	0.15	0.72	3.26	1.98	0.34	0.05	0.02	0.07
28075	5	114	7	2	0.16	0.94	4.29	2.64	0.51	0.04	0.02	0.08
28076	10	333	3	10	0.15	2.21	6.81	3.31	1.81	0.06	0.15	0.10
28077	6	172	6	6	0.10	1.84	10.75	3.53	1.04	0.03	0.01	0.10
28078	17	298	2	12	0.04	2.99	10.11	4.77	2.78	0.12	0.04	0.10
28079	12	252	2	10	0.11	2.25	5.39	3.28	1.95	0.19	0.15	0.08
28080	77	55	10	1	0.01	0.42	1.00	2.56	0.21	0.12	0.04	0.05
28081	9	332	<1	17	0.02	2.33	8.48	3.86	1.79	0.18	0.08	0.11
28082	12	560	3	2	0.01	0.65	28.26	1.02	0.85	0.03	0.01	0.06
28083	6	563	2	3	0.01	0.84	26.96	1.69	1.29	0.04	0.01	0.06
28084	7	395	<1	8	0.03	1.61	16.08	3.13	1.32	0.19	0.02	0.08
28085	6	339	<1	6	0.06	1.45	15.18	2.82	0.92	0.21	0.03	0.08
28086	6	281	2	9	0.18	2.13	5.76	2.92	1.92	0.11	0.13	0.09
28087	6	185	2	6	0.10	1.44	7.92	3.85	1.23	0.08	0.04	0.08
28088	6	425	2	12	0.15	2.72	7.05	2.90	2.16	0.15	0.15	0.08
28089	6	335	<1	8	0.12	2.04	6.39	6.19	2.25	0.04	0.10	0.05
28090	18	136	6	8	<0.01	0.47	1.04	3.26	0.32	0.13	0.01	0.05
28091	4	238	1	8	0.21	2.26	3.35	2.73	1.79	0.21	0.14	0.09
RE 28063	28	90	7	8	0.15	1.65	2.60	2.97	1.04	0.25	0.14	0.11
RE 28082	11	560	3	2	0.01	0.64	28.03	1.01	0.83	0.03	0.01	0.06
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (i*

ddh KRR 08-3

Certificate#: 08F2704
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 08-7
PO#:
No. of Samples: 44
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 09, 2008
Date Out: Jul 07, 2008

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ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm
28092	Drill Core	1.3	0.01	<0.1	3	17	76	13	<5	<3	6	<10	<2	<0.2	2	2	31	<5	34	9	694
28093	Drill Core	2.6	0.02	<0.1	38	3	159	1345	<5	<3	18	<10	<2	<0.2	14	75	39	<5	119	91	1087
28094	Drill Core	5.8	0.01	<0.1	73	<2	303	174	<5	<3	29	<10	<2	<0.2	19	120	28	<5	122	84	805
28095	Drill Core	7.1	0.01	<0.1	62	<2	190	154	<5	<3	14	<10	<2	<0.2	24	121	43	<5	128	106	637
28096	Drill Core	8.2	0.01	<0.1	74	<2	133	152	<5	<3	26	<10	<2	<0.2	24	126	34	<5	149	120	797
28097	Drill Core	7.1	0.01	<0.1	64	<2	203	104	<5	<3	14	<10	<2	<0.2	23	112	33	<5	121	116	743
28098	Drill Core	6.3	0.02	<0.1	88	<2	88	188	<5	<3	13	<10	<2	<0.2	27	106	100	<5	110	124	703
28099	Drill Core	7.4	0.02	<0.1	72	<2	81	46	<5	<3	11	<10	<2	<0.2	18	89	86	<5	84	111	1124
28100	Pulp	--	0.98	0.5	33	22	170	2227	133	<3	7	<10	<2	<0.2	9	30	121	<5	74	31	531
28101	Drill Core	7.7	0.01	<0.1	51	<2	133	94	<5	<3	21	<10	<2	<0.2	15	98	48	<5	102	123	986
28102	Drill Core	7.3	0.02	<0.1	62	<2	256	151	<5	<3	14	<10	<2	<0.2	23	132	40	<5	152	123	788
28103	Drill Core	6.4	0.01	<0.1	61	<2	299	77	<5	<3	16	<10	<2	<0.2	24	130	36	<5	137	126	906
28104	Drill Core	4.9	0.43	<0.1	138	22	160	15	<5	<3	5	<10	<2	<0.2	20	9	20	<5	31	54	2254
28105	Drill Core	5.3	0.01	0.2	215	34	919	24	<5	<3	4	<10	<2	4.1	34	8	27	<5	29	54	1683
28106	Drill Core	5.5	0.01	<0.1	176	112	397	11	<5	<3	1	<10	<2	<0.2	25	12	30	<5	29	86	1261
28107	Drill Core	5.3	0.01	<0.1	68	33	166	12	<5	<3	1	<10	<2	<0.2	13	8	27	<5	35	70	1326
28108	Drill Core	5.1	0.01	<0.1	15	<2	77	7	<5	<3	2	<10	<2	<0.2	14	9	85	<5	33	82	942
28109	Drill Core	5.4	<0.01	<0.1	23	<2	69	18	<5	<3	2	<10	<2	<0.2	13	11	57	<5	34	87	877
28110	Drill Core	1.0	0.01	<0.1	4	25	80	19	<5	<3	6	<10	<2	<0.2	2	1	28	<5	21	11	679
28111	Drill Core	6.1	<0.01	<0.1	11	<2	61	13	<5	<3	89	<10	<2	<0.2	5	8	15	<5	44	39	2792
28112	Drill Core	5.8	<0.01	<0.1	10	2	93	10	<5	<3	36	<10	<2	<0.2	8	9	28	<5	50	66	2718
28113	Drill Core	5.8	<0.01	0.2	35	7	186	10	<5	<3	5	<10	<2	<0.2	8	7	30	<5	37	64	2139
28114	Drill Core	5.6	0.01	0.7	111	51	209	8	<5	<3	2	<10	<2	<0.2	26	13	35	<5	38	75	1415
28115	Drill Core	5.0	0.01	0.4	96	31	135	28	<5	<3	2	<10	<2	<0.2	20	15	31	<5	34	97	1408
28116	Drill Core	5.2	0.01	0.5	44	451	885	5	<5	<3	2	<10	<2	2.8	13	10	26	<5	29	76	1591
28117	Drill Core	5.6	0.01	1.2	52	1048	1942	16	<5	<3	2	<10	<2	13.7	20	20	30	<5	30	86	1789
28118	Drill Core	5.2	0.02	0.7	117	148	337	30	<5	<3	3	<10	<2	<0.2	28	32	29	<5	38	119	1102
28119	Drill Core	5.3	0.01	1.7	142	317	242	43	<5	<3	3	<10	<2	<0.2	34	24	27	<5	28	80	904
28120	Pulp	--	0.99	1.0	33	22	171	2269	127	<3	7	<10	<2	<0.2	9	31	121	<5	74	31	538
28121	Drill Core	5.2	0.02	0.8	111	53	239	61	<5	<3	3	<10	<2	<0.2	33	23	31	<5	30	105	899
28122	Drill Core	5.3	0.01	0.4	74	3	81	31	<5	<3	2	<10	<2	<0.2	36	16	28	<5	27	71	869
28123	Drill Core	5.3	0.01	0.2	48	5	50	48	<5	<3	3	<10	<2	<0.2	18	18	50	<5	28	79	461
28124	Drill Core	5.5	0.02	<0.1	39	<2	58	65	<5	<3	3	<10	<2	<0.2	22	17	49	<5	25	62	390
28125	Drill Core	4.9	0.01	<0.1	58	<2	57	49	<5	<3	3	<10	<2	<0.2	15	12	72	<5	23	101	946

ddh KRR 08-3

Sample Name	SampleType	Wt	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn
		Kg	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28126	Drill Core	5.2	0.02	<0.1	50	<2	82	38	<5	<3	2	<10	<2	<0.2	13	20	80	<5	15	102	985
28127	Drill Core	5.3	0.01	0.1	47	<2	66	22	<5	<3	2	<10	<2	<0.2	9	9	58	<5	17	91	744
28128	Drill Core	4.2	0.02	<0.1	125	5	67	71	<5	<3	2	<10	<2	<0.2	8	16	48	<5	16	60	2404
28129	Drill Core	4.7	0.01	<0.1	21	<2	53	17	<5	<3	3	<10	<2	<0.2	5	14	35	<5	25	59	1223
28130	Drill Core	1.9	0.01	<0.1	2	7	69	<5	<5	<3	5	<10	<2	<0.2	2	1	27	<5	19	10	707
28131	Drill Core	4.8	0.01	0.2	39	11	90	29	<5	<3	4	<10	<2	<0.2	9	16	140	<5	22	88	1716
28132	Drill Core	4.8	0.03	4.8	892	204	1225	144	<5	<3	3	<10	<2	0.3	123	23	26	<5	53	244	2004
28133	Drill Core	5.3	0.02	2.9	562	160	495	24	<5	<3	3	<10	<2	<0.2	73	17	18	<5	29	126	1897
28134	Drill Core	5.0	0.01	0.2	27	14	143	35	<5	<3	3	<10	<2	<0.2	7	11	96	<5	27	104	1553
28135	Drill Core	5.2	0.01	<0.1	47	6	136	69	<5	<3	3	<10	<2	<0.2	17	156	35	<5	129	90	1412
RE 28092	Repeat	--	0.01	<0.1	3	19	76	13	<5	<3	6	<10	<2	<0.2	2	2	31	<5	34	9	707
RE 28111	Repeat	--	0.01	0.1	11	<2	61	14	<5	<3	91	<10	<2	<0.2	5	8	17	5	45	41	2802
RE 28131	Repeat	--	0.01	0.2	40	10	90	30	<5	<3	4	<10	<2	<0.2	9	17	140	<5	23	89	1728
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1	1	1
Maximum detection		9999	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000	10000	10000
Method		Spec	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-3

Certificate#: 08
Client: Kettle R
Project: 41
Shipment#: 08-
PO#:
No. of Samples:
Analysis #1: ICI
Analysis #2: Au
Analysis #3:
Comment #1: d
Comment #2: d
Date In: Jun 09
Date Out: Jul 07

Sample Name	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28092	85	36	12	2	0.01	0.39	0.72	2.63	0.19	0.13	0.04	0.05
28093	10	200	2	7	0.03	1.74	12.46	2.79	1.31	0.09	0.05	0.10
28094	11	145	2	7	0.05	1.56	8.34	2.64	1.38	0.10	0.03	0.12
28095	12	117	2	9	0.13	2.36	4.67	3.23	1.61	0.15	0.12	0.10
28096	12	152	2	11	0.14	2.12	6.34	3.55	1.95	0.12	0.08	0.10
28097	9	139	3	10	0.17	1.56	5.49	3.24	1.42	0.12	0.06	0.10
28098	10	155	2	10	0.13	2.27	5.19	3.11	1.31	0.11	0.18	0.11
28099	7	268	2	8	0.09	2.49	7.11	2.68	1.40	0.06	0.19	0.11
28100	12	132	7	7	<0.01	0.40	1.04	3.30	0.32	0.13	0.01	0.05
28101	14	351	<1	9	0.03	2.39	7.53	3.30	1.56	0.08	0.09	0.10
28102	13	176	2	9	0.10	1.98	6.08	3.52	1.70	0.07	0.06	0.11
28103	16	160	3	8	0.08	1.43	6.71	3.06	1.03	0.10	0.03	0.12
28104	<2	306	3	8	0.14	1.32	9.70	2.12	1.22	0.04	0.02	0.10
28105	<2	228	<1	7	0.11	1.29	6.90	3.20	1.42	0.07	0.03	0.10
28106	4	235	<1	13	0.13	1.71	5.45	3.07	2.04	0.09	0.04	0.11
28107	3	232	1	12	0.14	1.29	6.25	2.26	1.52	0.05	0.04	0.12
28108	4	208	<1	13	0.11	1.96	3.71	3.76	2.05	0.11	0.06	0.11
28109	<2	192	<1	12	0.13	2.07	3.45	3.88	2.11	0.16	0.07	0.10
28110	87	45	21	2	0.01	0.35	0.91	2.68	0.15	0.11	0.04	0.05
28111	<2	119	4	5	0.09	1.47	8.91	2.99	0.82	0.01	0.01	0.09
28112	<2	216	5	8	0.15	1.92	7.67	2.68	1.06	0.03	0.02	0.08
28113	<2	200	4	7	0.14	1.52	7.79	2.40	0.88	0.05	0.02	0.09
28114	3	255	2	12	0.20	1.22	5.32	2.26	1.37	0.05	0.03	0.10
28115	2	311	2	13	0.19	1.40	6.17	2.96	1.67	0.04	0.05	0.10
28116	3	210	1	10	0.16	1.55	5.04	2.65	1.76	0.04	0.04	0.09
28117	2	230	1	13	0.14	1.71	5.21	3.50	1.77	0.04	0.04	0.09
28118	3	232	<1	14	0.12	1.54	4.97	3.15	1.77	0.04	0.04	0.10
28119	<2	193	<1	8	0.13	1.19	4.01	3.17	1.41	0.05	0.06	0.09
28120	13	134	7	8	<0.01	0.41	1.04	3.29	0.32	0.13	0.01	0.05
28121	2	183	1	10	0.15	1.50	3.71	3.69	1.62	0.06	0.06	0.10
28122	<2	168	<1	8	0.14	1.20	4.24	3.83	1.13	0.05	0.06	0.10
28123	3	174	2	10	0.18	1.25	3.14	2.88	1.24	0.06	0.08	0.10
28124	3	187	1	7	0.18	1.41	2.89	3.24	1.22	0.08	0.12	0.10
28125	2	308	2	12	0.16	2.31	6.37	3.58	2.19	0.08	0.12	0.12

ddh KRR 08-3

Sample Name	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28126	3	866	<1	5	0.01	1.71	23.49	2.90	1.63	0.10	0.04	0.10
28127	4	959	<1	5	0.01	1.27	25.66	2.34	1.25	0.05	0.03	0.09
28128	4	681	<1	4	0.01	1.38	25.31	2.69	1.15	0.10	0.01	0.07
28129	5	506	<1	3	<0.01	0.99	25.78	1.89	0.86	0.06	0.01	0.06
28130	87	41	12	1	0.01	0.33	0.86	2.63	0.11	0.11	0.04	0.06
28131	5	420	1	5	0.03	1.74	21.83	2.62	1.40	0.09	0.03	0.10
28132	2	337	<1	15	0.04	3.07	6.98	6.07	2.86	0.12	0.05	0.18
28133	3	306	<1	9	0.05	2.19	9.21	3.37	2.43	0.07	0.02	0.13
28134	2	220	<1	8	0.06	2.05	7.28	2.42	1.97	0.10	0.04	0.12
28135	3	259	<1	7	0.04	2.45	7.71	2.99	2.47	0.09	0.07	0.10
RE 28092	88	38	14	2	0.01	0.40	0.73	2.73	0.20	0.13	0.05	0.05
RE 28111	<2	120	5	5	0.09	1.50	9.06	3.43	0.83	0.01	0.01	0.09
RE 28131	5	421	1	5	0.03	1.77	22.36	2.66	1.45	0.09	0.03	0.10
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detec	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detec	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlic*

ddh KRR 08-4

Certificate#: 08F2818(R)
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 08-9
PO#:
No. of Samples: 54
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 16, 2008
Date Out: Jul 22, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5
Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm
28136	Drill Core	2.1	0.02	3.0	16	1269	74	<5	<5	<3	8	<10	<2	<0.2	3	<1	16
28137	Drill Core	1.6	<0.01	13.4	50	7111	100	<5	<5	<3	7	<10	<2	<0.2	12	10	138
28138	Drill Core	4.2	0.01	1.4	155	456	922	<5	<5	<3	5	<10	<2	4.2	11	4	71
28139	Drill Core	7.8	0.01	1.7	65	851	176	<5	<5	<3	6	<10	<2	<0.2	17	8	93
28140	Pulp	--	0.99	0.8	36	39	181	2406	333	<3	10	<10	<2	<0.2	11	27	248
28141	Drill Core	8.4	0.02	<0.1	25	24	102	<5	<5	<3	6	<10	<2	<0.2	10	6	39
28142	Drill Core	8.8	0.01	<0.1	42	15	72	<5	<5	<3	7	<10	<2	<0.2	11	6	142
28143	Drill Core	7.4	0.01	0.2	103	17	127	36	<5	<3	10	<10	<2	<0.2	25	18	52
28144	Drill Core	2.0	<0.01	<0.1	47	10	36	6	<5	<3	14	<10	3	<0.2	6	8	22
28145	Drill Core	0.8	<0.01	<0.1	25	9	27	<5	<5	<3	13	<10	2	<0.2	17	12	18
28146	Drill Core	3.5	<0.01	<0.1	125	16	67	<5	<5	<3	9	<10	<2	<0.2	23	19	187
28147	Drill Core	1.8	0.01	<0.1	16	8	43	<5	<5	<3	16	<10	<2	<0.2	4	8	19
28148	Drill Core	1.6	<0.01	<0.1	6	7	25	<5	<5	<3	7	<10	<2	<0.2	4	6	18
28149	Drill Core	1.3	<0.01	<0.1	43	34	99	<5	<5	<3	9	<10	<2	<0.2	21	42	76
28150	Drill Core	1.9	<0.01	<0.1	7	27	78	<5	<5	<3	6	<10	<2	<0.2	3	<1	27
28151	Drill Core	1.5	<0.01	<0.1	26	18	48	<5	<5	<3	8	<10	<2	<0.2	7	13	16
28152	Drill Core	2.3	0.10	<0.1	10	15	103	<5	<5	<3	7	<10	<2	<0.2	9	16	23
28153	Drill Core	2.3	<0.01	<0.1	8	15	195	<5	<5	<3	8	<10	4	<0.2	7	18	55
28154	Drill Core	2.4	0.01	<0.1	6	21	221	<5	<5	<3	7	<10	<2	<0.2	9	29	32
28155	Drill Core	4.5	0.01	<0.1	21	39	81	<5	<5	<3	7	<10	<2	<0.2	9	<1	146
28156	Drill Core	4.6	0.02	<0.1	20	26	82	<5	<5	<3	6	<10	<2	<0.2	9	<1	132
28157	Drill Core	5.1	0.01	<0.1	21	25	81	<5	<5	<3	6	<10	<2	<0.2	9	2	100
28158	Drill Core	5.0	<0.01	<0.1	31	20	124	<5	<5	<3	7	<10	<2	<0.2	10	16	216
28159	Drill Core	5.3	0.01	<0.1	27	15	65	<5	<5	<3	5	<10	<2	<0.2	11	27	217
28160	Pulp	--	0.99	0.8	36	33	176	2453	341	<3	10	<10	<2	<0.2	10	27	290
28161	Drill Core	5.4	0.01	<0.1	34	11	48	<5	<5	<3	5	<10	<2	<0.2	12	26	124
28162	Drill Core	5.0	0.01	<0.1	34	11	51	<5	<5	<3	6	<10	<2	<0.2	12	23	88
28163	Drill Core	5.1	0.01	<0.1	37	10	37	<5	<5	<3	5	<10	3	<0.2	10	27	103
28164	Drill Core	5.9	0.01	<0.1	35	8	43	<5	<5	<3	7	<10	<2	<0.2	11	27	85
28165	Drill Core	4.9	0.01	<0.1	35	8	41	<5	<5	<3	8	<10	<2	<0.2	12	27	102
28166	Drill Core	5.5	0.01	<0.1	34	7	48	<5	<5	<3	8	<10	<2	<0.2	13	28	92
28167	Drill Core	3.8	0.01	0.1	35	11	43	<5	<5	<3	8	<10	<2	<0.2	10	20	76
28168	Drill Core	5.3	0.01	0.1	35	12	43	<5	<5	<3	8	<10	<2	<0.2	11	17	80
28169	Drill Core	4.8	0.01	<0.1	5	19	77	<5	<5	<3	8	<10	<2	<0.2	3	<1	36
28170	Drill Core	1.8	0.01	<0.1	32	8	43	<5	<5	<3	8	<10	<2	<0.2	10	11	49
28171	Drill Core	5.2	0.01	<0.1	30	12	32	<5	<5	<3	9	<10	<2	<0.2	13	2	43
28172	Drill Core	5.0	<0.01	<0.1	27	10	40	<5	<5	<3	11	<10	<2	<0.2	13	2	47
28173	Drill Core	5.1	0.01	<0.1	64	6	45	<5	<5	<3	12	<10	<2	<0.2	13	3	48
28174	Drill Core	5.2	0.01	<0.1	44	9	41	<5	<5	<3	8	<10	3	<0.2	13	4	52
28175	Drill Core	4.0	<0.01	<0.1	87	5	64	<5	<5	<3	10	<10	<2	<0.2	15	3	53

ddh KRR 08-4

Sample Name	SampleType	Wt	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba
		Kg	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28176	Drill Core	4.4	0.01	0.2	158	10	69	<5	<5	<3	15	<10	<2	<0.2	14	2	55
28177	Drill Core	6.1	0.01	0.3	191	10	70	<5	<5	<3	13	<10	<2	<0.2	19	11	67
28178	Drill Core	5.3	<0.01	0.1	75	9	58	<5	<5	<3	8	<10	<2	<0.2	14	2	83
28179	Drill Core	4.4	<0.01	<0.1	44	11	65	<5	<5	<3	5	<10	<2	<0.2	16	9	207
28180	Pulp	--	0.99	1.0	35	34	172	2342	339	<3	10	<10	<2	<0.2	10	26	325
28181	Drill Core	5.1	0.01	<0.1	49	12	64	<5	<5	<3	8	<10	<2	<0.2	16	13	196
28182	Drill Core	5.4	<0.01	<0.1	24	7	52	<5	<5	<3	5	<10	<2	<0.2	13	3	80
28183	Drill Core	5.2	<0.01	<0.1	21	12	70	<5	<5	<3	5	<10	<2	<0.2	13	4	60
28184	Drill Core	5.2	<0.01	<0.1	35	12	72	<5	<5	<3	6	<10	<2	<0.2	15	<1	110
28185	Drill Core	5.5	<0.01	<0.1	43	16	270	<5	<5	<3	6	<10	<2	<0.2	12	2	105
28186	Drill Core	5.2	<0.01	<0.1	28	13	138	<5	<5	<3	7	<10	<2	<0.2	13	3	181
28187	Drill Core	3.8	<0.01	<0.1	26	10	60	<5	<5	<3	6	<10	<2	<0.2	14	3	96
28188	Drill Core	5.7	0.02	<0.1	28	11	74	<5	<5	<3	7	<10	<2	<0.2	17	<1	89
28189	Drill Core	5.9	0.02	<0.1	36	11	67	<5	<5	<3	6	<10	<2	<0.2	14	1	88
RE 28136	Repeat	--	0.02	2.5	16	1230	71	<5	<5	<3	8	<10	<2	<0.2	3	<1	15
RE 28155	Repeat	--	0.01	<0.1	22	41	83	<5	<5	<3	7	<10	<2	<0.2	10	<1	151
RE 28175	Repeat	--	<0.01	<0.1	89	5	67	<5	<5	<3	10	<10	<2	<0.2	15	2	55
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2
Maximum detection		9999	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000
Method		Spec	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-4

Certificate#: 08F2818(R)
Client: Kettle River Resource
Project: 41
Shipment#: 08-9
PO#:
No. of Samples: 54
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100p
Comment #2: do Cu Pb Zn if
Date In: Jun 16, 2008
Date Out: Jul 22, 2008

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28136	<5	41	10	489	35	37	18	3	<0.01	0.31	0.79	2.64	0.13	0.15	0.05	0.03
28137	7	62	75	1903	5	175	3	19	0.16	1.54	4.35	2.52	1.56	0.20	0.11	0.08
28138	<5	29	58	1552	7	277	2	10	0.07	1.75	7.28	2.43	1.36	0.09	0.07	0.11
28139	<5	33	72	1525	5	280	2	10	0.12	1.87	6.29	2.53	2.16	0.06	0.11	0.09
28140	<5	78	34	555	17	148	9	8	<0.01	0.46	1.12	3.73	0.38	0.16	0.01	0.05
28141	12	42	53	2596	4	251	4	8	0.12	1.50	10.54	2.31	1.57	0.05	0.03	0.08
28142	8	31	49	4718	5	357	8	8	0.06	1.87	14.16	4.08	1.50	0.08	0.01	0.08
28143	<5	38	97	3232	7	300	3	10	0.03	2.32	9.67	4.59	2.18	0.13	0.06	0.09
28144	<5	22	35	1553	5	555	2	3	0.03	0.67	32.94	1.51	0.86	0.03	0.01	0.05
28145	<5	23	48	838	7	488	2	7	0.02	0.58	25.51	2.29	0.69	0.09	0.02	0.09
28146	7	43	108	681	8	389	5	9	0.16	2.45	6.09	3.16	2.31	0.16	0.21	0.11
28147	<5	30	53	993	6	542	2	4	0.01	0.88	31.73	1.78	1.30	0.06	0.01	0.06
28148	<5	25	37	578	4	450	3	3	0.02	0.50	35.83	0.88	0.89	0.04	0.01	0.05
28149	<5	107	81	877	80	435	2	10	0.02	3.04	5.42	5.37	1.98	0.23	0.01	0.27
28150	<5	46	12	672	79	44	15	1	0.01	0.43	0.91	2.88	0.20	0.17	0.07	0.05
28151	<5	66	41	3149	45	861	4	6	<0.01	1.92	18.79	2.73	1.33	0.11	0.01	0.15
28152	27	71	38	3776	12	375	10	5	0.02	2.37	14.74	6.76	1.57	0.10	0.01	0.06
28153	5	113	53	3580	7	167	7	7	0.05	1.18	9.04	2.57	1.16	0.08	0.03	0.11
28154	<5	88	61	5275	10	341	7	7	0.08	1.49	11.42	3.25	1.55	0.07	0.02	0.10
28155	<5	12	23	492	58	277	5	2	0.03	1.67	1.18	3.86	0.93	0.31	0.04	0.16
28156	<5	13	26	708	60	286	5	2	0.03	1.56	1.78	3.77	0.88	0.31	0.05	0.15
28157	8	26	34	1146	44	299	5	3	0.02	1.64	2.86	3.81	1.02	0.23	0.05	0.12
28158	<5	70	56	738	11	144	1	7	0.05	2.44	1.82	3.93	2.17	0.34	0.10	0.04
28159	<5	113	72	533	8	190	<1	8	0.04	1.72	2.86	3.18	1.69	0.16	0.08	0.05
28160	<5	79	35	535	19	151	9	8	<0.01	0.51	1.12	3.74	0.38	0.17	0.01	0.06
28161	<5	95	65	463	8	176	1	7	0.05	1.86	2.23	3.54	1.74	0.25	0.06	0.05
28162	7	87	66	545	7	166	1	8	0.03	1.73	2.53	3.75	1.63	0.16	0.06	0.05
28163	6	93	68	417	8	177	1	8	0.03	1.58	2.72	3.10	1.59	0.21	0.05	0.05
28164	<5	93	62	329	9	199	<1	8	0.02	1.69	2.50	3.17	1.46	0.29	0.06	0.05
28165	6	93	64	381	8	159	1	7	0.03	1.89	2.23	3.65	1.85	0.19	0.05	0.05
28166	<5	118	73	335	7	95	1	8	0.03	1.72	1.55	3.52	1.82	0.13	0.07	0.05
28167	<5	89	44	308	7	103	2	6	0.03	1.66	1.49	3.12	1.53	0.41	0.05	0.04
28168	<5	98	39	337	7	118	2	5	0.04	1.89	1.70	3.04	1.55	0.52	0.08	0.04
28169	<5	38	11	636	79	53	15	1	0.01	0.46	0.97	2.90	0.25	0.19	0.07	0.05
28170	<5	121	56	376	6	100	2	6	0.05	1.53	2.00	3.46	1.26	0.38	0.10	0.05
28171	<5	68	101	455	6	113	2	8	0.03	1.47	2.11	4.11	1.61	0.17	0.07	0.08
28172	<5	68	98	596	7	118	1	7	0.01	1.80	2.49	4.29	1.80	0.16	0.08	0.08
28173	<5	61	105	630	9	125	2	8	0.02	1.52	2.51	4.23	1.65	0.11	0.06	0.09
28174	<5	70	106	685	6	123	1	9	0.04	1.49	2.51	3.93	1.58	0.15	0.08	0.08
28175	<5	70	90	775	6	156	2	9	0.03	1.60	3.92	3.61	1.64	0.17	0.07	0.09

ddh KRR 08-4

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28176	<5	63	101	674	7	135	2	10	0.04	1.25	3.01	3.81	1.28	0.11	0.08	0.08
28177	<5	53	66	1352	8	155	3	8	0.06	1.37	4.22	3.71	1.33	0.12	0.06	0.08
28178	<5	72	99	712	11	153	3	10	0.03	1.65	2.80	3.82	1.46	0.18	0.09	0.09
28179	<5	72	113	771	21	178	14	10	0.14	1.75	2.93	4.20	1.74	0.23	0.09	0.13
28180	<5	77	33	526	18	145	12	7	<0.01	0.45	0.98	3.58	0.36	0.15	0.01	0.05
28181	8	76	112	697	18	176	18	10	0.20	1.66	2.81	4.08	1.74	0.21	0.11	0.12
28182	<5	52	106	795	5	129	2	11	0.14	1.90	2.68	3.79	1.42	0.23	0.11	0.08
28183	<5	53	100	727	4	118	2	11	0.12	1.65	2.65	3.44	1.25	0.17	0.10	0.08
28184	<5	48	99	822	4	144	2	9	0.12	1.86	2.92	3.75	1.57	0.18	0.10	0.08
28185	<5	42	97	869	3	124	2	9	0.14	1.55	2.19	3.19	1.42	0.20	0.11	0.08
28186	<5	65	101	795	5	138	2	10	0.14	1.82	2.24	3.46	1.41	0.34	0.16	0.08
28187	<5	49	122	662	7	168	3	11	0.11	2.07	2.83	4.02	1.71	0.20	0.11	0.09
28188	<5	54	98	1195	4	161	2	8	0.08	2.69	4.66	4.55	1.64	0.37	0.16	0.08
28189	<5	53	114	797	6	114	2	10	0.13	2.16	2.68	3.83	1.37	0.34	0.18	0.09
RE 28136	<5	42	9	476	32	36	18	3	<0.01	0.30	0.75	2.55	0.12	0.14	0.06	0.02
RE 28155	<5	13	25	508	61	282	6	2	0.03	1.71	1.18	3.89	0.94	0.32	0.04	0.16
RE 28175	<5	71	95	783	6	160	2	10	0.03	1.61	4.01	3.66	1.65	0.17	0.07	0.09
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

* Values highlighted (in yello

ddh KRR 08-5

Certificate#: 08F2876
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-10
PO#:
No. of Samples: 55
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 19, 2008
Date Out: Jul 14, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleTyp	Wt Kg	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
28190	Drill Core	1.7	0.02	<0.1	4	14	68	6	<5	<3	6	<10	<2	<0.2	3	2	33	<5
28191	Drill Core	2.8	<0.01	<0.1	45	5	34	16	<5	<3	3	<10	<2	<0.2	10	8	41	<5
28192	Drill Core	5.0	<0.01	0.1	43	11	31	20	<5	<3	4	<10	<2	<0.2	16	9	24	<5
28193	Drill Core	5.0	0.01	0.4	164	42	218	26	<5	<3	2	<10	<2	<0.2	22	9	25	<5
28194	Drill Core	5.4	0.03	3.9	1028	254	312	13	<5	<3	6	<10	<2	<0.2	16	9	19	5
28195	Drill Core	5.9	0.02	1.5	828	5	267	6	<5	<3	38	<10	<2	<0.2	7	4	23	<5
28196	Drill Core	5.8	0.04	2.6	742	7	139	11	<5	<3	77	<10	<2	<0.2	8	5	25	<5
28197	Drill Core	6.1	<0.01	0.2	84	<2	57	10	<5	<3	549	<10	<2	<0.2	6	4	22	<5
28198	Drill Core	5.0	<0.01	0.5	156	3	52	9	<5	<3	26	<10	<2	<0.2	6	5	27	<5
28199	Drill Core	6.3	<0.01	0.2	102	<2	55	10	<5	<3	443	<10	<2	<0.2	5	5	19	<5
28200	Pulp	--	0.98	1.0	30	21	164	2180	269	<3	8	<10	<2	<0.2	9	30	199	<5
28201	Drill Core	5.7	<0.01	0.2	88	8	297	13	<5	<3	265	<10	<2	<0.2	6	6	25	<5
28202	Drill Core	5.3	0.01	0.2	106	<2	167	16	<5	<3	31	<10	<2	<0.2	8	8	33	<5
28203	Drill Core	4.7	<0.01	<0.1	9	8	68	8	<5	<3	5	<10	<2	<0.2	5	3	27	<5
28204	Drill Core	5.6	<0.01	<0.1	8	7	28	13	<5	<3	2	<10	<2	<0.2	2	3	9	<5
28205	Drill Core	5.1	<0.01	<0.1	6	<2	13	12	<5	<3	2	<10	<2	<0.2	3	6	9	<5
28206	Drill Core	5.4	0.01	<0.1	10	<2	19	18	<5	<3	3	<10	<2	<0.2	3	7	7	<5
28207	Drill Core	5.5	0.01	<0.1	5	<2	16	12	<5	<3	6	<10	<2	<0.2	3	6	7	<5
28208	Drill Core	5.5	0.01	<0.1	11	5	32	21	<5	<3	13	<10	<2	<0.2	3	9	17	<5
28209	Drill Core	5.2	0.01	<0.1	9	<2	14	12	<5	<3	8	<10	<2	<0.2	2	6	16	<5
28210	Drill Core	2.0	<0.01	<0.1	2	19	73	6	<5	<3	4	<10	<2	<0.2	2	1	24	<5
28211	Drill Core	5.3	<0.01	<0.1	6	<2	20	14	<5	<3	8	<10	<2	<0.2	2	8	8	<5
28212	Drill Core	4.6	<0.01	<0.1	6	4	21	14	<5	<3	4	<10	<2	<0.2	2	7	9	<5
28213	Drill Core	4.6	0.01	<0.1	7	<2	24	27	<5	<3	3	<10	<2	<0.2	3	8	15	<5
28214	Drill Core	5.4	0.01	<0.1	8	2	22	23	<5	<3	5	<10	<2	<0.2	3	9	17	<5
28215	Drill Core	4.8	0.01	<0.1	9	<2	23	22	<5	<3	3	<10	<2	<0.2	3	8	17	<5
28216	Drill Core	5.1	0.01	<0.1	10	4	24	17	<5	<3	3	<10	<2	<0.2	4	10	19	<5
28217	Drill Core	4.6	0.01	<0.1	6	8	45	11	<5	<3	5	<10	<2	<0.2	1	3	8	<5
28218	Drill Core	5.3	0.01	0.1	40	2	96	34	<5	<3	7	<10	<2	<0.2	14	30	76	<5
28219	Drill Core	5.1	<0.01	<0.1	41	2	219	23	<5	<3	7	<10	<2	<0.2	15	23	45	<5
28220	Pulp	--	0.98	1.0	30	20	162	2131	263	<3	7	<10	<2	<0.2	9	29	195	<5
28221	Drill Core	7.3	<0.01	<0.1	73	<2	235	21	<5	<3	16	<10	<2	<0.2	15	17	57	<5
28222	Drill Core	5.2	<0.01	<0.1	39	<2	132	14	<5	<3	8	<10	<2	<0.2	13	22	114	<5
28223	Drill Core	4.9	<0.01	0.2	61	<2	104	22	<5	<3	11	<10	<2	<0.2	17	29	109	<5
28224	Drill Core	2.4	<0.01	<0.1	52	<2	70	18	<5	<3	7	<10	<2	<0.2	16	70	58	<5
28225	Drill Core	6.3	0.01	0.1	64	<2	67	47	<5	<3	4	<10	<2	<0.2	15	46	45	<5
28226	Drill Core	5.2	0.01	0.7	57	22	169	46	<5	<3	4	<10	<2	<0.2	18	42	65	<5
28227	Drill Core	4.9	<0.01	2.8	46	<2	70	26	<5	<3	2	<10	<2	<0.2	14	22	55	<5

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Sample Name	SampleTyp	Wt	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W
		Kg	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28228	Drill Core	2.4	<0.01	0.3	47	2	64	9	<5	<3	11	<10	<2	<0.2	11	44	26	<5
28229	Drill Core	3.0	0.01	0.7	47	<2	99	39	<5	<3	6	<10	<2	<0.2	15	34	58	<5
28230	Drill Core	1.5	<0.01	<0.1	7	19	69	<5	<5	<3	5	<10	<2	<0.2	4	3	83	<5
28231	Drill Core	5.0	<0.01	0.3	36	<2	193	32	<5	<3	6	<10	<2	<0.2	12	33	159	<5
28232	Drill Core	5.6	<0.01	0.1	56	<2	100	36	<5	<3	10	<10	<2	<0.2	14	39	55	<5
28233	Drill Core	5.0	0.01	0.2	43	<2	129	32	<5	<3	9	<10	<2	<0.2	11	28	144	<5
28234	Drill Core	5.3	<0.01	<0.1	19	6	116	23	<5	<3	6	<10	<2	<0.2	4	11	56	<5
28235	Drill Core	4.8	0.02	<0.1	8	6	69	15	<5	<3	7	<10	<2	<0.2	3	8	19	<5
28236	Drill Core	5.4	0.01	<0.1	13	6	79	19	<5	<3	4	<10	<2	<0.2	5	13	114	<5
28237	Drill Core	5.4	0.01	0.2	71	<2	138	41	<5	<3	26	<10	<2	<0.2	11	25	85	<5
28238	Drill Core	5.2	0.01	0.2	30	<2	76	<5	<5	<3	5	<10	<2	<0.2	17	40	265	<5
28239	Drill Core	4.5	<0.01	<0.1	31	3	80	8	<5	<3	4	<10	<2	<0.2	18	40	96	<5
28240	Pulp	--	0.99	1.1	30	22	158	2101	268	<3	7	<10	<2	<0.2	9	29	192	<5
28241	Drill Core	4.0	0.01	<0.1	18	3	66	27	<5	<3	5	<10	<2	<0.2	9	23	24	<5
28242	Drill Core	2.9	0.02	0.3	18	5	62	28	<5	<3	5	<10	<2	<0.2	10	22	24	<5
28243	Drill Core	4.3	0.01	0.2	60	<2	1067	35	<5	<3	19	<10	<2	2.9	12	40	129	<5
28244	Drill Core	4.9	0.02	0.2	89	<2	423	47	<5	<3	14	<10	<2	<0.2	20	57	94	<5
RE 28190	Repeat	--	0.02	0.1	4	14	66	6	<5	<3	6	<10	<2	<0.2	3	2	31	<5
RE 28209	Repeat	--	0.01	<0.1	9	<2	15	13	<5	<3	8	<10	<2	<0.2	2	6	16	<5
RE 28229	Repeat	--	0.01	0.6	45	<2	98	40	<5	<3	6	<10	<2	<0.2	15	33	58	<5
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5
Maximum detection		9999	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000
Method		Spec	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-5

Certificate#: 08F2876
Client: Kettle River Reso
Project: 41
Shipment#: 2008-10
PO#:
No. of Samples: 55
Analysis #1: ICP(AqR)3(
Analysis #2: Au(FA/AAS
Analysis #3:
Comment #1: do Ag if>1
Comment #2: do Cu Pb Z
Date In: Jun 19, 2008
Date Out: Jul 14, 2008

Sample Name	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28190	29	13	701	83	45	17	1	0.01	0.34	0.59	2.52	0.13	0.11	0.05	0.05
28191	31	32	549	2	220	2	2	0.09	0.87	8.00	1.28	0.37	0.06	0.09	0.08
28192	34	29	433	<2	60	2	2	0.11	0.66	2.47	1.08	0.36	0.05	0.07	0.08
28193	25	38	733	<2	59	1	3	0.10	0.70	2.52	1.35	0.53	0.04	0.07	0.08
28194	30	45	1172	<2	90	2	4	0.10	0.83	3.89	1.61	0.64	0.04	0.12	0.08
28195	26	30	791	<2	117	3	2	0.11	1.25	2.87	0.57	0.37	0.06	0.26	0.08
28196	30	36	1471	<2	138	2	3	0.08	1.33	6.07	1.17	0.55	0.04	0.23	0.08
28197	35	21	1236	<2	148	3	2	0.08	0.88	5.76	1.12	0.40	0.03	0.09	0.08
28198	28	26	1298	<2	125	3	3	0.07	1.03	5.27	1.18	0.54	0.04	0.10	0.08
28199	48	26	1771	<2	91	4	3	0.07	1.08	6.03	1.49	0.54	0.02	0.08	0.08
28200	71	30	521	12	136	9	7	<0.01	0.35	0.97	3.06	0.32	0.12	0.01	0.04
28201	36	30	1994	<2	95	4	4	0.07	0.92	6.91	1.48	0.62	0.02	0.03	0.08
28202	30	41	2931	<2	280	2	6	0.04	1.39	10.57	2.53	1.19	0.05	0.03	0.07
28203	12	28	747	44	103	7	1	0.01	0.96	1.88	2.49	0.53	0.11	0.04	0.08
28204	15	13	699	3	456	1	<1	0.02	0.22	25.42	0.59	0.32	0.02	0.01	0.04
28205	17	22	624	<2	497	1	2	0.03	0.20	25.94	0.67	0.33	0.01	0.01	0.05
28206	22	20	692	<2	524	1	2	0.02	0.32	25.67	1.15	0.51	0.01	0.01	0.04
28207	16	16	679	<2	557	<1	1	0.01	0.23	26.49	2.22	0.39	<0.01	0.01	0.04
28208	20	28	704	<2	555	<1	2	0.01	0.39	26.83	1.24	0.59	0.01	0.01	0.04
28209	14	19	650	<2	598	<1	1	<0.01	0.27	27.95	1.30	0.33	0.01	0.01	0.04
28210	32	9	659	79	65	21	1	0.01	0.29	1.19	2.37	0.24	0.10	0.04	0.05
28211	15	18	726	2	505	1	2	0.01	0.34	30.31	0.89	0.43	0.02	0.01	0.04
28212	15	21	719	3	568	1	2	<0.01	0.36	30.68	0.70	0.47	0.02	0.01	0.05
28213	23	30	661	2	589	1	2	0.01	0.46	27.13	0.88	0.67	0.02	0.01	0.04
28214	18	36	610	3	595	2	2	0.02	0.64	28.55	0.85	1.00	0.02	0.02	0.05
28215	19	45	580	3	675	2	2	0.02	0.64	28.15	0.94	1.04	0.01	0.01	0.04
28216	17	40	599	3	626	2	2	0.02	0.53	27.12	0.88	0.85	0.01	0.01	0.06
28217	14	15	488	2	718	1	<1	0.01	0.22	30.16	0.42	0.51	0.01	0.01	0.03
28218	44	80	703	4	346	2	6	0.05	1.06	6.10	1.72	1.48	0.07	0.03	0.10
28219	50	84	1425	4	320	3	8	0.06	1.40	7.02	2.32	1.47	0.04	0.03	0.12
28220	70	29	510	12	134	9	7	<0.01	0.34	0.95	2.97	0.32	0.12	0.01	0.04
28221	35	67	859	3	304	2	6	0.05	1.18	9.20	2.10	1.30	0.05	0.04	0.08
28222	38	102	1042	3	330	2	10	0.04	2.22	5.28	3.02	1.89	0.05	0.07	0.07
28223	52	134	792	6	361	<1	12	0.03	2.68	5.09	4.10	2.04	0.09	0.06	0.09
28224	128	83	542	47	254	2	8	<0.01	3.74	2.48	4.76	2.93	0.10	0.01	0.26
28225	62	102	803	7	276	<1	11	0.04	1.50	4.69	3.49	1.27	0.06	0.02	0.07
28226	53	115	1152	8	343	<1	11	0.01	2.16	7.32	3.88	1.70	0.12	0.04	0.12
28227	42	114	917	8	229	<1	11	<0.01	2.06	6.71	3.39	1.78	0.12	0.02	0.08

ddh KRR 08-5

Sample Name	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28228	85	48	584	33	331	2	6	<0.01	2.60	4.00	3.97	1.76	0.13	0.01	0.24
28229	43	126	1001	7	341	<1	11	<0.01	1.90	6.11	3.65	1.51	0.11	0.01	0.10
28230	25	18	732	71	74	17	2	0.04	0.38	1.08	2.57	0.26	0.16	0.04	0.07
28231	50	134	1577	8	459	<1	10	0.01	1.68	9.22	3.46	1.72	0.08	0.02	0.15
28232	71	128	833	9	301	1	10	0.02	1.28	5.90	2.82	1.43	0.09	0.04	0.29
28233	39	105	912	8	324	1	10	0.01	0.96	9.86	2.56	1.18	0.10	0.02	0.13
28234	28	40	927	5	528	2	4	<0.01	0.43	24.03	1.20	0.60	0.05	0.01	0.07
28235	30	25	737	4	454	1	3	<0.01	0.37	21.56	0.87	0.47	0.05	0.01	0.04
28236	25	29	881	6	442	1	4	<0.01	0.62	20.46	1.18	0.62	0.07	0.01	0.06
28237	44	94	1054	7	223	3	7	0.02	1.01	6.86	2.28	1.12	0.08	0.02	0.12
28238	114	89	804	53	260	6	8	0.06	1.73	4.27	3.75	1.86	0.21	0.02	0.20
28239	76	58	885	62	280	3	9	0.01	2.30	4.98	4.07	1.51	0.14	0.01	0.23
28240	68	29	502	11	130	9	7	<0.01	0.34	0.93	2.97	0.30	0.11	0.01	0.04
28241	50	43	752	30	183	3	6	<0.01	1.80	4.66	2.67	1.51	0.08	0.01	0.12
28242	40	40	976	32	198	3	6	<0.01	1.71	5.68	2.52	1.38	0.09	0.01	0.12
28243	45	163	1480	6	275	3	9	0.02	1.13	8.88	2.61	1.33	0.08	0.03	0.09
28244	54	176	1349	12	330	<1	12	0.01	0.81	6.93	4.27	1.65	0.11	0.02	0.16
RE 28190	28	13	690	81	44	20	1	0.01	0.33	0.57	2.46	0.13	0.11	0.04	0.05
RE 28209	13	19	650	<2	503	<1	1	<0.01	0.29	28.72	1.37	0.34	0.01	0.01	0.04
RE 28229	43	124	998	7	340	<1	11	<0.01	1.89	6.09	3.64	1.49	0.11	0.01	0.10
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in*

Certificate#: 08F2971
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-11
PO#:
No. of Samples: 75
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jun 25, 2008
Date Out: Jul 18, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
28245	Drill Core	2.5	<0.01	--	<0.1	70	<2	42	25	<5	<3	4	<10	<2	<0.2	13	46
28246	Drill Core	0.3	<0.01	--	0.3	12	4	39	<5	<5	<3	1	<10	<2	<0.2	8	29
28247	Drill Core	2.1	<0.01	--	<0.1	2	<2	37	<5	<5	<3	<1	<10	<2	<0.2	7	45
28248	Drill Core	3.0	0.01	--	<0.1	18	<2	47	15	<5	<3	2	<10	<2	<0.2	7	58
28249	Drill Core	3.0	0.01	--	<0.1	2	<2	44	25	<5	<3	1	<10	<2	<0.2	7	52
28250	Pulp	--	1.00	0.98	0.9	33	22	171	2287	264	<3	7	<10	<2	<0.2	9	31
28251	Drill Core	4.0	0.03	--	<0.1	2	<2	32	46	<5	<3	1	<10	<2	<0.2	9	54
28252	Drill Core	1.3	0.13	--	0.3	6	<2	38	72	<5	<3	2	<10	<2	<0.2	11	70
28253	Drill Core	0.9	0.01	--	<0.1	2	<2	26	18	<5	<3	2	<10	<2	<0.2	4	23
28254	Drill Core	2.3	0.02	--	<0.1	2	<2	40	10	<5	<3	1	<10	<2	<0.2	6	35
28255	Drill Core	1.4	5.06	5.09	2.4	275	<2	132	506	<5	<3	8	<10	<2	<0.2	151	84
28256	Drill Core	1.6	5.53	5.58	1.8	333	<2	197	265	<5	<3	7	<10	<2	<0.2	104	70
28257	Drill Core	1.7	1.39	1.37	0.2	169	<2	192	141	<5	<3	4	<10	<2	<0.2	28	31
28258	Drill Core	4.6	0.08	--	<0.1	6	<2	46	32	<5	<3	2	<10	<2	<0.2	16	41
28259	Drill Core	4.8	0.01	--	<0.1	2	<2	29	11	<5	<3	<1	<10	<2	<0.2	4	44
28260	Drill Core	2.2	<0.01	--	<0.1	3	13	71	<5	<5	<3	5	<10	<2	<0.2	3	1
28261	Drill Core	4.7	0.01	--	<0.1	2	<2	26	9	<5	<3	1	<10	<2	<0.2	5	46
28262	Drill Core	4.9	0.01	--	<0.1	4	<2	24	6	<5	<3	<1	<10	<2	<0.2	5	42
28263	Drill Core	4.6	<0.01	--	<0.1	4	<2	30	6	<5	<3	<1	<10	<2	<0.2	5	63
28264	Drill Core	4.9	0.01	--	<0.1	77	<2	38	19	<5	<3	1	<10	<2	<0.2	9	75
28265	Drill Core	3.9	0.02	--	<0.1	6	<2	39	23	<5	<3	1	<10	<2	<0.2	8	61
28266	Drill Core	2.0	0.06	--	<0.1	25	<2	48	11	<5	<3	1	<10	<2	<0.2	8	46
28267	Drill Core	2.9	1.99	1.96	1.8	631	<2	75	70	<5	<3	5	<10	3	<0.2	51	18
28268	Drill Core	0.9	2.55	2.51	8.9	8312	2	57	207	<5	<3	3	<10	<2	<0.2	94	26
28269	Drill Core	2.8	0.75	--	1.7	2423	<2	51	465	<5	<3	3	<10	<2	<0.2	118	53
28270	Pulp	--	0.99	--	0.9	34	20	171	2315	262	<3	7	<10	<2	<0.2	10	31
28271	Drill Core	1.5	13.88	14.00	64.0	496	78	54	1198	<5	<3	12	<10	50	<0.2	474	129
28272	Drill Core	3.2	5.07	5.00	13.6	1005	2	73	177	<5	<3	4	<10	25	<0.2	65	40
28273	Drill Core	3.2	1.64	1.62	1.5	487	<2	71	271	<5	<3	6	<10	<2	<0.2	73	40
28274	Drill Core	3.0	9.13	8.80	7.0	2417	27	78	211	<5	<3	7	<10	10	<0.2	53	44
28275	Drill Core	1.6	1.78	1.82	2.0	1765	5	78	215	<5	<3	4	<10	<2	<0.2	51	74
28276	Drill Core	1.8	1.30	1.31	8.6	3790	31	75	1160	<5	<3	11	<10	28	<0.2	145	71
28277	Drill Core	4.5	0.07	--	0.2	444	<2	66	20	<5	<3	3	<10	<2	<0.2	7	52
28278	Drill Core	5.3	0.06	--	0.2	18	<2	93	8	<5	<3	2	<10	<2	<0.2	9	55
28279	Drill Core	5.3	0.05	--	<0.1	44	<2	49	6	<5	<3	2	<10	<2	<0.2	9	52
28280	Drill Core	1.7	0.01	--	<0.1	4	9	74	11	<5	<3	5	<10	<2	<0.2	4	2
28281	Drill Core	7.5	0.06	--	<0.1	14	<2	69	20	<5	<3	3	<10	<2	<0.2	12	59
28282	Drill Core	7.2	0.01	--	<0.1	19	<2	65	13	<5	<3	2	<10	<2	<0.2	16	55
28283	Drill Core	7.2	0.01	--	<0.1	21	<2	58	21	<5	<3	2	<10	<2	<0.2	23	66
28284	Drill Core	7.7	<0.01	--	<0.1	27	<2	55	11	<5	<3	2	<10	<2	<0.2	18	54

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Sample Name	SampleType	Wt	Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28285	Drill Core	7.3	0.01	--	2.3	7	<2	39	9	<5	<3	1	<10	<2	<0.2	9	76
28286	Drill Core	6.4	0.01	--	0.1	3	13	74	13	<5	<3	6	<10	<2	<0.2	2	1
28287	Drill Core	7.3	<0.01	--	<0.1	61	<2	36	10	<5	<3	2	<10	<2	<0.2	20	50
28288	Drill Core	6.6	0.01	--	<0.1	123	<2	67	36	<5	<3	3	<10	<2	<0.2	29	40
28289	Drill Core	6.1	0.01	--	<0.1	1	2	6	6	<5	<3	8	<10	<2	<0.2	3	4
28290	Pulp	--	0.98	--	0.9	84	<2	62	27	<5	<3	2	<10	<2	<0.2	27	58
28291	Drill Core	6.6	0.02	--	<0.1	42	<2	177	60	<5	<3	4	<10	<2	<0.2	7	30
28292	Drill Core	5.0	0.05	--	<0.1	49	<2	121	5271	14	<3	7	<10	<2	<0.2	12	33
28293	Drill Core	3.7	0.01	--	<0.1	51	<2	101	39	<5	<3	4	<10	<2	<0.2	14	29
28294	Drill Core	2.4	0.32	--	0.4	51	<2	100	32	<5	<3	3	<10	<2	<0.2	13	35
28295	Drill Core	3.6	0.02	--	<0.1	50	<2	126	33	<5	<3	4	<10	<2	<0.2	13	42
28296	Drill Core	4.3	<0.01	--	<0.1	34	21	174	2323	293	<3	8	<10	<2	<0.2	10	31
28297	Drill Core	4.5	0.02	--	<0.1	53	<2	101	43	<5	<3	4	<10	<2	<0.2	14	33
28298	Drill Core	4.2	0.24	--	0.4	57	<2	117	1953	6	<3	6	<10	<2	<0.2	11	43
28299	Drill Core	4.6	0.02	--	0.2	52	<2	127	129	<5	<3	7	<10	<2	<0.2	9	36
28300	Drill Core	1.5	0.02	--	<0.1	46	<2	83	47	<5	<3	2	<10	<2	<0.2	12	39
28301	Drill Core	3.9	0.01	--	0.2	50	<2	117	70	<5	<3	6	<10	<2	<0.2	11	34
28302	Drill Core	4.7	0.02	--	0.2	52	<2	130	56	<5	<3	3	<10	<2	<0.2	12	38
28303	Drill Core	4.9	0.01	--	<0.1	60	<2	138	70	<5	<3	5	<10	<2	<0.2	16	51
28304	Drill Core	5.3	0.01	--	<0.1	66	<2	274	76	<5	<3	14	<10	<2	<0.2	10	60
28305	Drill Core	4.8	0.01	--	<0.1	85	<2	365	223	<5	<3	10	<10	<2	<0.2	12	61
28306	Drill Core	4.8	0.01	--	<0.1	3	12	70	12	<5	<3	4	<10	<2	<0.2	4	1
28307	Drill Core	5.4	0.02	--	0.1	83	<2	410	82	<5	<3	15	<10	<2	0.2	11	68
28308	Drill Core	5.2	0.03	--	0.2	81	3	279	94	<5	<3	10	<10	<2	<0.2	10	60
28309	Drill Core	4.9	0.01	--	0.1	43	<2	75	82	<5	<3	2	<10	<2	<0.2	18	48
28310	Pulp	--	1.00	0.98	0.9	39	<2	90	65	<5	<3	1	<10	<2	<0.2	20	48
28311	Drill Core	6.6	<0.01	--	<0.1	67	<2	79	75	<5	<3	3	<10	<2	<0.2	18	55
28312	Drill Core	7.6	<0.01	--	<0.1	265	<2	46	109	<5	<3	3	<10	3	<0.2	26	53
28313	Drill Core	8.1	0.01	--	<0.1	86	<2	72	55	<5	<3	2	<10	<2	<0.2	23	65
28314	Drill Core	8.1	0.03	--	0.1	46	<2	57	74	<5	<3	2	<10	<2	<0.2	21	129
28315	Drill Core	6.0	<0.01	--	<0.1	42	<2	46	59	<5	<3	3	<10	<2	<0.2	19	91
28316	Drill Core	5.1	<0.01	--	<0.1	33	20	170	2239	271	<3	7	<10	<2	<0.2	10	31
28317	Drill Core	1.2	<0.01	--	<0.1	20	<2	20	20	<5	<3	<1	<10	<2	<0.2	9	41
28318	Drill Core	3.3	<0.01	--	<0.1	19	<2	22	11	<5	<3	2	<10	<2	<0.2	7	34
28319	Drill Core	6.7	<0.01	--	<0.1	23	<2	24	11	<5	<3	5	<10	<2	<0.2	9	38
RE 28245	Repeat	--	<0.01	--	<0.1	73	<2	42	27	<5	<3	3	<10	<2	<0.2	16	45
RE 28264	Repeat	--	0.01	--	<0.1	79	<2	38	21	<5	<3	2	<10	<2	<0.2	17	45
RE 28284	Repeat	--	0.01	--	<0.1	27	<2	58	13	<5	<3	2	<10	<2	<0.2	18	54
RE 28303	Repeat	--	0.01	--	<0.1	59	<2	133	76	<5	<3	5	<10	<2	<0.2	16	52
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1
Maximum detection		9999	5000	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000
Method		Spec	FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-6

Certificate#: 08F2971
Client: Kettle River Resources
Project: 41
Shipment#: 2008-11
PO#:
No. of Samples: 75
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100pp
Comment #2: do Cu Pb Zn if :
Date In: Jun 25, 2008
Date Out: Jul 18, 2008

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28245	63	<5	115	58	630	96	56	<1	1	<0.01	1.33	2.15	2.84	1.72	0.08	0.04	0.01
28246	244	<5	75	49	538	47	65	5	3	0.07	1.28	1.99	3.13	1.29	0.15	0.03	0.12
28247	55	<5	94	39	645	30	82	<1	3	0.02	1.43	3.86	3.06	1.61	0.05	0.01	0.07
28248	131	<5	88	43	816	47	12	<1	4	<0.01	1.81	0.49	3.75	1.49	0.11	0.01	0.10
28249	126	<5	95	52	655	39	85	<1	4	0.02	1.63	3.55	3.69	1.80	0.08	0.02	0.11
28250	200	<5	73	31	554	37	146	8	7	<0.01	0.41	1.03	3.62	0.35	0.14	0.01	0.05
28251	68	<5	66	38	631	36	67	<1	5	<0.01	1.31	2.51	3.78	0.90	0.14	0.01	0.12
28252	36	<5	63	45	827	43	53	<1	6	<0.01	1.57	2.07	6.13	0.86	0.14	0.01	0.14
28253	179	<5	47	20	559	36	20	<1	2	<0.01	0.93	0.97	2.76	0.39	0.15	0.01	0.13
28254	81	<5	59	25	650	29	79	<1	3	<0.01	1.16	2.82	2.65	0.78	0.15	0.01	0.09
28255	26	<5	46	82	2569	105	95	<1	6	<0.01	2.30	2.44	15.73	0.88	0.16	0.01	0.06
28256	28	<5	27	58	2024	90	68	<1	4	<0.01	2.49	1.72	14.47	0.89	0.26	0.01	0.09
28257	34	<5	38	64	3855	65	141	<1	7	<0.01	2.29	4.62	9.46	1.00	0.21	0.01	0.09
28258	93	<5	84	45	890	35	82	<1	4	<0.01	1.65	3.33	4.08	1.27	0.14	0.01	0.11
28259	118	<5	90	44	602	33	104	<1	4	0.01	1.59	5.04	3.09	1.71	0.08	0.01	0.08
28260	38	<5	24	9	709	96	58	16	1	0.01	0.33	0.93	2.57	0.24	0.11	0.04	0.05
28261	243	<5	95	42	616	32	143	<1	4	0.01	1.49	4.91	3.08	1.54	0.08	0.01	0.08
28262	243	<5	101	46	567	32	120	<1	5	0.01	1.48	4.25	2.91	1.52	0.07	0.02	0.08
28263	293	<5	109	49	589	37	90	<1	4	0.01	1.77	3.45	3.43	1.81	0.08	0.02	0.09
28264	134	<5	81	52	707	36	109	<1	7	<0.01	1.60	3.97	4.02	1.92	0.07	0.01	0.07
28265	80	<5	110	46	733	38	100	<1	5	<0.01	2.17	4.99	4.70	1.86	0.10	0.01	0.06
28266	215	<5	76	44	785	37	119	<1	4	0.01	1.85	5.62	4.29	1.59	0.11	0.01	0.08
28267	48	<5	13	70	1365	44	175	<1	5	<0.01	1.94	7.72	6.21	1.34	0.17	0.01	0.10
28268	36	<5	22	75	827	62	128	<1	6	<0.01	1.83	5.36	8.86	1.54	0.18	0.01	0.10
28269	27	<5	77	36	809	65	156	<1	4	<0.01	1.37	5.14	9.16	1.30	0.08	0.01	0.07
28270	198	<5	71	30	544	37	143	8	7	<0.01	0.40	0.98	3.66	0.35	0.13	0.01	0.05
28271	19	<5	34	11	644	130	96	<1	<1	<0.01	0.69	2.79	19.71	0.55	0.07	0.01	0.04
28272	29	<5	53	15	1152	36	174	<1	2	<0.01	0.87	4.71	5.39	0.93	0.13	0.01	0.10
28273	29	<5	81	41	872	45	114	<1	3	<0.01	1.51	4.04	6.90	1.37	0.09	0.01	0.08
28274	27	<5	90	51	751	46	86	<1	4	<0.01	1.51	3.02	6.79	1.55	0.08	0.01	0.09
28275	22	<5	65	40	1595	57	147	<1	3	<0.01	1.36	6.75	8.64	1.48	0.06	0.01	0.06
28276	19	<5	84	40	578	101	60	<1	3	<0.01	1.21	3.17	16.01	1.23	0.06	0.01	0.08
28277	268	<5	108	57	776	43	85	<1	6	<0.01	1.89	3.44	5.12	1.90	0.06	0.02	0.10
28278	35	<5	114	66	879	45	108	<1	6	0.01	1.98	4.36	5.00	1.96	0.04	0.02	0.09
28279	32	<5	105	69	832	50	120	<1	6	0.01	1.98	3.92	5.04	2.00	0.04	0.02	0.10
28280	21	<5	23	8	666	101	49	16	1	<0.01	0.30	0.90	3.16	0.21	0.11	0.04	0.05
28281	120	<5	103	69	804	50	92	<1	6	0.01	2.34	3.20	6.25	2.21	0.04	0.02	0.11
28282	150	<5	109	64	797	53	127	<1	6	<0.01	2.17	3.65	5.48	2.29	0.06	0.02	0.13
28283	69	<5	89	51	744	49	143	<1	5	<0.01	1.93	4.15	5.68	2.25	0.09	0.02	0.11
28284	99	<5	88	45	750	45	169	<1	5	<0.01	1.61	4.18	5.13	2.22	0.08	0.02	0.10

ddh KRR 08-6

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28285	238	<5	139	61	715	37	110	<1	7	0.01	1.96	4.11	4.18	1.97	0.07	0.01	0.07
28286	24	<5	23	8	753	99	58	16	2	<0.01	0.24	1.18	2.97	0.12	0.09	0.04	0.06
28287	26	<5	103	102	480	24	36	<1	9	0.05	2.40	1.91	3.73	1.92	0.03	0.13	0.02
28288	127	<5	13	164	723	45	134	<1	23	<0.01	3.44	2.03	6.82	2.26	0.10	0.01	0.02
28289	48	<5	19	4	5538	6	407	<1	1	<0.01	0.35	24.87	0.59	0.25	0.01	<0.01	<0.01
28290	43	<5	91	165	885	42	87	<1	19	0.03	3.59	3.21	6.22	2.77	0.04	0.09	0.02
28291	92	<5	43	32	377	22	60	2	<1	<0.01	0.99	1.47	2.54	0.71	0.11	0.01	0.13
28292	47	<5	30	22	493	28	60	2	1	<0.01	1.30	1.75	3.91	1.02	0.14	0.01	0.07
28293	69	<5	32	37	568	31	70	<1	2	<0.01	1.73	1.76	4.36	1.19	0.12	0.02	0.06
28294	88	<5	35	36	575	30	117	<1	2	<0.01	1.88	2.68	4.59	1.37	0.11	0.02	0.05
28295	49	<5	42	43	557	30	98	2	2	<0.01	1.74	2.45	4.34	1.37	0.12	0.02	0.08
28296	211	<5	72	30	550	36	144	9	7	<0.01	0.40	0.99	3.71	0.36	0.13	0.01	0.05
28297	75	<5	31	45	585	33	76	2	2	0.01	1.94	1.86	4.37	1.46	0.15	0.02	0.09
28298	51	<5	41	44	396	28	57	4	2	<0.01	1.39	1.41	3.89	0.98	0.14	0.01	0.08
28299	48	<5	47	34	440	26	74	3	1	<0.01	1.24	1.77	3.53	0.92	0.13	0.01	0.07
28300	69	<5	43	32	553	31	44	2	1	<0.01	1.86	1.26	4.20	1.37	0.14	0.01	0.06
28301	68	<5	44	30	616	27	62	2	1	<0.01	1.57	2.09	3.74	1.09	0.12	0.01	0.06
28302	59	<5	20	25	475	29	46	1	<1	<0.01	1.60	1.43	4.15	1.20	0.07	0.01	0.06
28303	39	<5	39	37	453	32	38	3	1	<0.01	1.93	1.24	4.89	1.45	0.15	0.01	0.07
28304	44	<5	63	61	298	23	58	7	1	<0.01	0.86	2.13	3.25	0.66	0.13	0.01	0.09
28305	32	<5	20	50	242	26	63	4	1	<0.01	0.79	2.26	3.53	0.53	0.06	0.01	0.14
28306	35	<5	23	9	714	100	45	16	1	<0.01	0.34	0.72	2.95	0.16	0.10	0.04	0.05
28307	46	<5	56	69	233	25	65	7	2	<0.01	0.92	2.19	3.57	0.58	0.12	0.01	0.10
28308	47	<5	75	79	208	22	38	4	1	<0.01	0.77	1.24	3.07	0.52	0.09	0.01	0.07
28309	121	<5	54	23	728	40	72	2	1	<0.01	2.40	2.79	5.24	1.51	0.19	0.01	0.04
28310	137	<5	70	30	827	40	99	1	2	<0.01	2.28	3.19	4.71	1.46	0.18	0.01	0.05
28311	52	<5	80	50	792	39	85	<1	2	<0.01	2.11	3.06	5.85	1.48	0.15	0.01	0.04
28312	31	<5	60	38	376	41	48	<1	2	<0.01	1.66	1.26	6.11	1.16	0.14	0.01	0.04
28313	87	<5	93	46	501	43	107	<1	4	0.01	2.59	2.37	5.65	2.11	0.23	0.01	0.06
28314	146	<5	169	108	432	39	82	<1	5	0.01	2.89	1.82	5.25	2.60	0.15	0.02	0.05
28315	109	<5	140	71	377	35	72	<1	4	<0.01	2.09	1.42	4.22	1.96	0.13	0.01	0.06
28316	216	<5	71	31	547	37	144	8	7	<0.01	0.41	1.00	3.67	0.35	0.14	0.01	0.05
28317	292	<5	118	29	218	14	33	<1	2	<0.01	0.89	0.59	1.96	0.96	0.06	0.01	0.01
28318	340	<5	109	30	216	14	31	<1	2	<0.01	0.88	0.54	1.93	0.96	0.06	0.01	0.01
28319	94	<5	102	27	221	15	51	<1	2	<0.01	0.84	0.79	2.06	0.97	0.09	0.01	0.01
RE 28245	70	<5	115	62	595	24	109	<1	1	<0.01	1.37	2.58	3.03	1.84	0.08	0.01	0.02
RE 28264	108	<5	79	47	754	33	175	<1	7	<0.01	1.41	3.62	4.75	2.18	0.07	0.01	0.05
RE 28284	102	<5	89	45	753	43	170	<1	6	<0.01	1.59	4.25	5.15	2.22	0.08	0.02	0.10
RE 28303	37	<5	40	37	450	32	37	3	1	<0.01	1.86	1.20	4.84	1.42	0.14	0.01	0.07
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellov*

ddh KRR 08-7

Certificate#: 08G3193
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-12
PO#:
No. of Samples: 43
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 09, 2008
Date Out: Jul 30, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
28320	Drill Core	2.0	<0.01	--	0.7	2	9	70	<5	<5	<3	5	<10	<2	<0.2	3	<1
28321	Drill Core	4.7	<0.01	--	<0.1	3	<2	36	12	<5	<3	<1	<10	<2	<0.2	7	41
28322	Drill Core	6.8	0.01	--	<0.1	3	<2	49	20	<5	<3	<1	<10	<2	<0.2	8	47
28323	Drill Core	6.9	0.01	--	<0.1	30	<2	51	10	<5	<3	<1	<10	<2	<0.2	10	60
28324	Drill Core	7.6	0.01	--	<0.1	69	<2	68	9	<5	<3	<1	<10	<2	<0.2	12	191
28325	Drill Core	7.4	<0.01	--	<0.1	3	<2	52	5	<5	<3	1	<10	<2	<0.2	10	158
28326	Drill Core	2.6	0.09	--	0.3	6	<2	52	113	<5	<3	2	<10	<2	<0.2	17	196
28327	Drill Core	2.8	0.45	--	<0.1	28	<2	39	109	<5	<3	2	<10	<2	<0.2	36	51
28328	Drill Core	2.6	0.89	--	<0.1	148	<2	64	306	<5	<3	2	<10	<2	<0.2	137	90
28329	Drill Core	2.5	1.42	1.43	0.6	63	<2	40	400	<5	<3	2	<10	<2	<0.2	141	62
28330	Pulp	--	0.99	--	0.5	33	20	169	2149	161	<3	7	<10	<2	<0.2	10	31
28331	Drill Core	4.4	0.03	--	0.9	17	<2	31	36	<5	<3	3	<10	<2	<0.2	9	37
28332	Drill Core	7.9	0.02	--	<0.1	9	<2	28	18	<5	<3	2	<10	<2	<0.2	7	41
28333	Drill Core	7.4	0.03	--	<0.1	6	<2	39	24	<5	<3	1	<10	<2	<0.2	6	43
28334	Drill Core	7.9	0.03	--	<0.1	344	<2	44	29	<5	<3	<1	<10	<2	<0.2	13	38
28335	Drill Core	4.0	0.23	--	0.7	1481	<2	67	57	<5	<3	1	<10	<2	<0.2	18	53
28336	Drill Core	1.6	0.46	--	0.7	945	<2	49	96	<5	<3	4	<10	<2	<0.2	36	20
28337	Drill Core	3.0	0.04	--	<0.1	51	7	113	12	<5	<3	3	<10	<2	<0.2	21	50
28338	Drill Core	7.1	0.04	--	<0.1	77	<2	71	26	<5	<3	4	<10	<2	<0.2	9	51
28339	Drill Core	7.6	0.01	--	<0.1	16	<2	62	10	<5	<3	3	<10	<2	<0.2	10	57
28340	Drill Core	1.2	<0.01	--	<0.1	3	17	73	16	<5	<3	5	<10	<2	<0.2	2	1
28341	Drill Core	6.8	0.01	--	<0.1	116	<2	47	23	<5	<3	2	<10	<2	<0.2	19	54
28342	Drill Core	7.0	<0.01	--	<0.1	35	<2	29	6	<5	<3	<1	<10	<2	<0.2	11	49
28343	Drill Core	7.3	<0.01	--	<0.1	26	<2	26	9	<5	<3	<1	<10	<2	<0.2	11	54
28344	Drill Core	4.1	<0.01	--	<0.1	19	<2	29	11	<5	<3	<1	<10	<2	<0.2	11	57
28345	Drill Core	1.0	<0.01	--	1.2	662	<2	52	69	<5	<3	2	<10	<2	<0.2	55	109
28346	Drill Core	4.8	<0.01	--	<0.1	30	<2	25	7	<5	<3	<1	<10	<2	<0.2	10	40
28347	Drill Core	7.4	<0.01	--	<0.1	23	<2	27	<5	<5	<3	<1	<10	<2	<0.2	12	46
28348	Drill Core	8.2	<0.01	--	<0.1	37	<2	33	7	<5	<3	<1	<10	<2	<0.2	15	66
28349	Drill Core	7.6	<0.01	--	<0.1	24	<2	20	5	<5	<3	<1	<10	<2	<0.2	11	47
28350	Pulp	--	0.98	--	0.8	32	21	163	2065	158	<3	6	<10	<2	<0.2	10	31
28351	Drill Core	7.7	0.02	--	<0.1	38	<2	21	29	<5	<3	<1	<10	2	<0.2	10	46
28352	Drill Core	7.5	<0.01	--	<0.1	37	<2	21	26	<5	<3	<1	<10	3	<0.2	9	45
28353	Drill Core	7.5	<0.01	--	<0.1	23	<2	18	31	<5	<3	<1	<10	<2	<0.2	10	46
28354	Drill Core	7.9	<0.01	--	<0.1	25	<2	18	15	<5	<3	<1	<10	<2	<0.2	8	42
28355	Drill Core	7.5	0.05	--	<0.1	50	<2	46	54	<5	<3	2	<10	<2	<0.2	20	97
28356	Drill Core	5.2	<0.01	--	<0.1	66	<2	79	15	<5	<3	2	<10	<2	<0.2	26	75
28357	Drill Core	5.7	0.01	--	<0.1	99	<2	31	<5	<5	<3	2	<10	<2	<0.2	17	53
28358	Drill Core	5.5	0.02	--	<0.1	150	<2	75	26	<5	<3	2	<10	<2	<0.2	23	71
28359	Drill Core	5.3	<0.01	--	<0.1	47	<2	84	45	<5	<3	2	<10	<2	<0.2	23	61

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Sample Name	SampleType	Wt	Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28360	Drill Core	2.1	0.06	--	<0.1	3	11	71	8	<5	<3	6	<10	<2	<0.2	3	1
28361	Drill Core	5.4	<0.01	--	<0.1	94	<2	51	57	<5	<3	7	<10	<2	<0.2	12	57
28362	Drill Core	5.3	<0.01	--	<0.1	109	<2	75	61	<5	<3	5	<10	<2	<0.2	28	88
RE 28320	Repeat	--	<0.01	--	<0.1	2	11	71	5	<5	<3	5	<10	<2	<0.2	3	1
RE 28339	Repeat	--	0.01	--	<0.1	16	<2	63	10	<5	<3	3	<10	<2	<0.2	12	59
RE 28359	Repeat	--	<0.01	--	<0.1	46	<2	84	46	<5	<3	2	<10	<2	<0.2	24	62
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1
Maximum detection		9999	5000	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000
Method		Spec	FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-7

Certificate#: 08G3193
Client: Kettle River Resources
Project: 41
Shipment#: 2008-12
PO#:
No. of Samples: 43
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppı
Comment #2: do Cu Pb Zn if >
Date In: Jul 09, 2008
Date Out: Jul 30, 2008

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28320	25	<5	20	9	740	84	82	15	1	<0.01	0.47	1.30	2.92	0.16	0.11	0.04	0.09
28321	100	<5	97	50	752	12	132	<1	6	0.01	1.79	4.68	3.44	1.58	0.12	0.03	0.07
28322	108	<5	91	52	890	8	133	<1	6	0.01	1.95	5.16	3.75	1.97	0.13	0.01	0.06
28323	84	<5	97	47	856	13	131	<1	4	<0.01	1.88	4.94	3.75	1.73	0.15	0.01	0.06
28324	111	<5	175	60	1321	7	167	<1	8	<0.01	2.35	6.10	4.46	2.32	0.13	0.01	0.05
28325	138	<5	200	65	936	8	129	<1	8	0.01	2.23	5.17	4.14	2.65	0.10	0.02	0.05
28326	27	<5	139	49	1107	<2	93	<1	4	<0.01	1.85	3.26	7.36	0.97	0.18	0.01	0.06
28327	46	<5	81	43	970	4	140	<1	3	<0.01	1.68	6.41	6.21	1.27	0.18	0.01	0.07
28328	25	<5	98	69	1283	3	147	<1	4	0.01	3.49	6.08	18.38	2.52	0.14	0.01	0.07
28329	28	<5	87	45	824	<2	138	<1	3	0.01	2.05	5.83	13.66	1.49	0.13	0.01	0.05
28330	170	<5	72	32	538	15	146	7	8	<0.01	0.44	1.08	3.72	0.34	0.14	0.01	0.05
28331	84	<5	84	42	674	9	128	<1	4	<0.01	1.66	5.22	4.16	1.38	0.12	0.01	0.06
28332	82	<5	91	35	664	11	141	<1	4	<0.01	1.39	5.46	3.37	1.19	0.14	0.02	0.07
28333	61	<5	73	34	740	14	112	<1	4	<0.01	1.33	5.32	3.62	1.05	0.15	0.02	0.08
28334	55	<5	68	35	887	10	142	<1	4	<0.01	1.28	5.69	4.45	1.22	0.17	0.01	0.08
28335	46	<5	92	51	985	8	146	<1	5	<0.01	1.80	5.34	5.39	1.32	0.12	0.01	0.08
28336	28	<5	84	44	732	3	111	<1	4	<0.01	1.56	3.84	7.22	1.51	0.10	0.01	0.07
28337	110	<5	145	93	856	59	215	2	9	0.01	2.50	4.61	5.47	2.46	0.13	0.02	0.23
28338	78	<5	102	61	811	9	86	<1	6	<0.01	2.50	2.60	6.56	2.08	0.08	0.01	0.10
28339	34	<5	110	64	780	15	98	<1	5	<0.01	2.70	3.08	6.20	2.21	0.07	0.02	0.10
28340	21	<5	29	9	674	83	65	17	1	<0.01	0.31	1.13	2.68	0.26	0.11	0.05	0.05
28341	35	<5	94	53	645	10	122	<1	5	<0.01	1.99	3.43	4.77	1.85	0.09	0.02	0.09
28342	52	<5	127	51	364	6	45	<1	4	<0.01	1.37	1.14	2.56	1.26	0.07	0.01	0.03
28343	99	<5	157	62	300	3	33	<1	5	<0.01	1.39	0.77	2.51	1.30	0.04	0.02	0.03
28344	93	<5	181	64	290	4	17	<1	5	<0.01	1.46	0.44	2.57	1.31	0.04	0.02	0.02
28345	24	<5	138	67	462	<2	99	<1	8	<0.01	1.80	2.19	10.02	1.96	0.12	0.01	0.03
28346	174	<5	134	56	273	<2	24	<1	5	<0.01	1.25	0.54	2.39	1.14	0.05	0.01	0.02
28347	117	<5	156	60	328	3	32	<1	4	<0.01	1.41	0.81	2.58	1.28	0.05	0.02	0.02
28348	145	<5	196	76	378	4	48	<1	6	<0.01	1.55	1.25	2.94	1.48	0.05	0.02	0.04
28349	179	<5	168	57	235	3	26	<1	4	<0.01	1.19	0.59	2.20	1.13	0.04	0.02	0.02
28350	158	<5	71	31	520	14	140	7	7	<0.01	0.42	0.97	3.43	0.32	0.14	0.01	0.05
28351	251	<5	158	55	217	2	31	<1	4	<0.01	1.17	0.73	2.14	1.08	0.05	0.01	0.02
28352	246	<5	155	54	213	2	30	<1	4	<0.01	1.15	0.72	2.11	1.08	0.05	0.01	0.02
28353	252	<5	141	43	208	3	27	<1	3	<0.01	1.24	0.63	2.20	1.11	0.06	0.01	0.02
28354	222	<5	135	34	166	3	32	<1	2	<0.01	1.00	0.82	1.81	0.97	0.06	0.01	0.01
28355	335	<5	212	105	390	6	47	<1	7	0.01	2.65	1.24	4.41	2.20	0.17	0.02	0.05
28356	414	<5	177	105	748	15	75	<1	11	0.08	3.94	1.65	5.77	3.37	0.59	0.07	0.04
28357	95	<5	128	83	432	<2	34	<1	4	0.06	1.41	1.36	3.05	1.21	0.10	0.06	0.06
28358	51	<5	153	128	749	4	56	<1	9	0.04	2.39	2.37	4.83	1.97	0.24	0.08	0.09
28359	220	<5	113	71	940	15	68	<1	6	0.05	3.01	2.41	5.12	1.70	0.28	0.09	0.05

ddh KRR 08-7

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28360	25	<5	20	10	744	86	42	11	1	<0.01	0.33	0.76	2.81	0.11	0.10	0.05	0.05
28361	79	<5	83	70	212	2	42	2	2	<0.01	1.44	2.04	3.20	1.04	0.15	0.01	0.05
28362	69	<5	137	85	334	<2	75	<1	6	<0.01	3.05	2.99	5.59	2.77	0.19	0.01	0.03
RE 28320	25	<5	22	9	741	86	82	11	1	<0.01	0.48	1.30	2.89	0.16	0.11	0.04	0.05
RE 28339	33	<5	111	65	780	12	98	<1	5	<0.01	2.63	2.90	6.09	2.20	0.07	0.02	0.10
RE 28359	221	<5	114	73	940	16	68	<1	6	0.05	3.11	2.42	5.19	1.71	0.29	0.09	0.05
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellov*

Certificate#: 08G3191
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-13
PO#:
No. of Samples: 31
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 09, 2008
Date Out: Aug 05, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

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ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt	Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co
		Kg	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28363	Drill Core	2.5	<0.01	--	--	<0.1	3	17	75	23	<5	<3	5	<10	<2	<0.2	2
28364	Drill Core	4.6	0.02	--	--	<0.1	<1	<2	36	84	<5	<3	<1	<10	<2	<0.2	4
28365	Drill Core	5.5	0.05	--	--	<0.1	<1	<2	41	35	<5	<3	<1	<10	<2	<0.2	5
28366	Drill Core	7.2	0.01	--	--	<0.1	<1	<2	58	34	<5	<3	<1	<10	<2	<0.2	5
28367	Drill Core	7.8	0.02	--	--	<0.1	1	<2	56	35	<5	<3	<1	<10	2	<0.2	6
28368	Drill Core	6.4	0.55	--	--	<0.1	23	<2	67	86	<5	<3	4	<10	<2	<0.2	56
28369	Drill Core	5.1	0.08	--	--	0.2	12	<2	52	59	<5	<3	1	<10	2	<0.2	12
28370	Pulp	--	0.99	--	--	0.8	32	21	179	2148	163	<3	6	<10	<2	<0.2	9
28371	Drill Core	7.7	0.04	--	--	<0.1	6	<2	33	44	<5	<3	<1	<10	<2	<0.2	13
28372	Drill Core	8.3	0.04	--	--	<0.1	25	<2	29	38	<5	<3	<1	<10	<2	<0.2	10
28373	Drill Core	5.5	0.15	--	--	<0.1	551	<2	36	76	<5	<3	<1	<10	<2	<0.2	21
28374	Drill Core	5.8	0.05	--	--	<0.1	15	<2	40	39	<5	<3	<1	<10	<2	<0.2	6
28375	Drill Core	5.4	0.02	--	--	<0.1	5	<2	34	26	<5	<3	<1	<10	<2	<0.2	5
28376	Drill Core	5.4	0.02	--	--	<0.1	11	<2	44	26	<5	<3	<1	<10	<2	<0.2	5
28377	Drill Core	5.5	0.03	--	--	<0.1	12	<2	48	24	<5	<3	<1	<10	<2	<0.2	4
28378	Drill Core	5.8	0.54	--	--	<0.1	34	<2	43	73	<5	<3	2	<10	<2	<0.2	48
28379	Drill Core	5.0	0.27	--	--	<0.1	133	<2	51	37	<5	<3	<1	<10	3	<0.2	13
28380	Drill Core	1.4	0.02	--	--	<0.1	2	12	81	15	<5	<3	1	<10	<2	<0.2	2
28381	Drill Core	5.4	0.57	--	--	<0.1	15	<2	42	41	<5	<3	1	<10	2	<0.2	18
28382	Drill Core	3.0	0.19	--	--	1.4	1072	<2	72	62	<5	<3	<1	<10	2	<0.2	21
28383	Drill Core	2.3	18.10	18.07	183.7	164.0	33576	43	255	565	<5	<3	2	<10	113	<0.2	266
28384	Drill Core	3.3	0.50	--	--	2.8	1103	<2	106	152	<5	<3	11	<10	5	<0.2	39
28385	Drill Core	4.5	0.52	--	--	1.4	1209	<2	75	129	<5	<3	<1	<10	<2	<0.2	46
28386	Drill Core	5.8	1.74	1.73	--	0.8	688	<2	82	60	<5	<3	<1	<10	<2	<0.2	13
28387	Drill Core	6.6	0.03	--	--	<0.1	59	<2	72	30	<5	<3	<1	<10	3	<0.2	6
28388	Drill Core	7.9	0.02	--	--	<0.1	17	<2	57	30	<5	<3	<1	<10	<2	<0.2	10
28389	Drill Core	8.0	0.03	--	--	<0.1	4	<2	55	35	<5	<3	<1	<10	3	<0.2	23
28390	Pulp	--	0.99	--	--	0.9	31	21	178	2280	139	<3	6	<10	<2	<0.2	9
28391	Drill Core	3.3	0.04	--	--	<0.1	33	<2	75	22	<5	<3	<1	<10	<2	<0.2	18
28392	Drill Core	4.7	0.06	--	--	0.2	35	<2	72	93	<5	<3	<1	<10	<2	<0.2	40
28393	Drill Core	2.5	0.01	--	--	0.2	56	<2	164	138	<5	<3	5	<10	<2	<0.2	6
RE 28363	Repeat	<0.1	<0.01	--	--	<0.1	3	16	77	22	<5	<3	5	<10	<2	<0.2	2
RE 28382	Repeat	--	0.18	--	--	1.4	1050	<2	73	63	<5	<3	<1	<10	2	<0.2	21
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.2	1
Maximum detection		9999	5000	5000	9999	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-8

Certificate#: 08G3191
Client: Kettle River Resourc
Project: 41
Shipment#: 2008-13
PO#:
No. of Samples: 31
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100]
Comment #2: do Cu Pb Zn i
Date In: Jul 09, 2008
Date Out: Aug 05, 2008

Sample Name	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28363	<1	22	<5	32	5	727	84	46	36	1	<0.01	0.28	0.71	2.83	0.14	0.11	0.05	0.05
28364	53	131	<5	101	29	699	20	129	19	4	0.01	1.38	4.23	3.07	1.14	0.14	0.02	0.10
28365	53	180	<5	89	20	738	17	105	16	4	0.01	1.51	3.55	3.42	1.34	0.13	0.02	0.10
28366	45	84	<5	89	22	658	19	100	27	3	0.01	1.49	3.55	3.26	1.41	0.12	0.02	0.10
28367	37	152	<5	78	24	741	7	137	26	4	<0.01	1.68	4.58	3.52	1.34	0.13	0.01	0.07
28368	45	41	<5	73	25	855	5	121	38	4	<0.01	1.75	4.08	5.12	1.31	0.14	0.01	0.06
28369	54	70	<5	101	26	500	17	35	31	4	<0.01	2.06	1.38	4.38	1.39	0.12	0.01	0.09
28370	31	153	<5	75	21	532	14	157	31	7	<0.01	0.41	0.95	3.58	0.34	0.13	0.01	0.05
28371	45	129	<5	80	19	632	9	104	33	3	0.01	1.59	4.15	3.89	1.21	0.09	0.01	0.08
28372	42	152	<5	80	22	618	11	122	21	3	0.01	1.62	4.19	3.97	1.13	0.09	0.01	0.08
28373	45	49	<5	84	23	660	9	146	36	4	0.01	1.81	4.51	5.16	1.23	0.10	0.01	0.07
28374	47	230	<5	88	35	649	14	125	31	5	<0.01	1.61	4.17	3.87	1.20	0.12	0.02	0.09
28375	46	299	<5	90	26	609	15	144	23	4	0.01	1.43	4.64	3.33	1.14	0.11	0.02	0.09
28376	46	121	<5	110	28	684	10	114	19	5	0.01	1.45	4.48	3.51	1.23	0.08	0.02	0.07
28377	51	43	<5	119	37	649	9	91	24	6	<0.01	1.37	4.03	3.32	1.12	0.10	0.02	0.07
28378	47	50	<5	72	16	952	7	189	33	4	<0.01	1.04	7.88	4.06	0.85	0.14	0.01	0.07
28379	21	92	<5	34	39	821	8	153	28	5	<0.01	1.39	5.62	4.27	1.15	0.19	0.01	0.09
28380	<1	23	<5	31	5	681	89	45	34	1	<0.01	0.60	0.73	2.88	0.27	0.10	0.05	0.05
28381	37	38	<5	70	23	796	6	142	22	5	<0.01	1.09	5.19	4.10	0.92	0.18	0.01	0.10
28382	50	43	<5	87	21	691	6	129	38	4	<0.01	1.45	3.37	4.78	1.04	0.12	0.01	0.09
28383	95	20	<5	47	<1	383	<2	72	193	<1	<0.01	0.37	2.64	19.72	0.52	0.05	0.01	0.03
28384	54	34	<5	70	22	929	4	132	60	4	<0.01	1.56	3.50	7.32	1.33	0.13	0.01	0.09
28385	49	15	<5	119	38	836	5	114	70	6	<0.01	1.93	4.11	9.15	1.58	0.08	0.01	0.09
28386	66	35	<5	114	45	846	6	87	48	7	0.01	2.41	2.88	6.66	1.80	0.06	0.02	0.12
28387	56	33	<5	116	44	842	10	101	42	6	<0.01	2.15	3.53	5.77	1.57	0.05	0.02	0.11
28388	63	32	<5	108	45	707	13	139	41	6	<0.01	2.11	3.15	6.21	1.72	0.05	0.02	0.11
28389	58	213	<5	105	40	704	11	135	34	6	<0.01	1.82	3.32	5.16	1.49	0.05	0.02	0.11
28390	32	130	<5	78	24	539	14	154	28	7	<0.01	0.40	0.98	3.64	0.34	0.13	0.01	0.05
28391	7	94	<5	12	28	928	45	238	43	7	<0.01	0.62	4.83	5.98	1.55	0.21	0.01	0.28
28392	26	52	<5	41	33	799	26	230	35	5	<0.01	1.25	4.57	5.66	1.61	0.18	0.01	0.23
28393	45	62	<5	75	29	223	5	35	23	1	<0.01	0.76	1.01	2.55	0.53	0.09	0.01	0.03
RE 28363	<1	23	<5	30	5	732	85	46	35	1	<0.01	0.29	0.69	2.90	0.14	0.11	0.05	0.06
RE 28382	51	44	<5	86	21	711	6	126	38	4	<0.01	1.31	3.30	4.65	1.03	0.13	0.01	0.09
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	1	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yel*

ddh KRR 08-9

Certificate#: 08G3266
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-14
PO#:
No. of Samples: 69
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 14, 2008
Date Out: Aug 08, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

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Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm
28394	Drill Core	1.7	0.01	--	<0.1	21	23	77	36	<5	<3	18	<10	<2	<0.2	3	3	36
28395	Drill Core	7.3	0.01	--	<0.1	5	<2	50	<5	<5	<3	3	<10	<2	<0.2	16	69	118
28396	Drill Core	7.8	0.02	--	<0.1	2	<2	57	<5	<5	<3	2	<10	<2	<0.2	10	67	133
28397	Drill Core	8.3	0.01	--	<0.1	2	<2	54	<5	<5	<3	2	<10	<2	<0.2	13	75	72
28398	Drill Core	7.6	0.01	--	<0.1	1	<2	47	<5	<5	<3	1	<10	<2	<0.2	11	74	88
28399	Drill Core	7.5	0.02	--	<0.1	2	<2	38	<5	<5	<3	2	<10	<2	<0.2	9	70	318
28400	Pulp	--	0.98	--	0.8	32	22	169	2241	199	<3	7	<10	<2	<0.2	10	32	109
28401	Drill Core	7.5	0.02	--	<0.1	19	<2	35	17	<5	<3	2	<10	<2	<0.2	12	74	163
28402	Drill Core	7.9	0.06	--	<0.1	94	<2	47	41	<5	<3	2	<10	<2	<0.2	41	31	33
28403	Drill Core	8.3	0.02	--	<0.1	20	<2	44	17	<5	<3	2	<10	<2	<0.2	27	68	77
28404	Drill Core	8.2	0.05	--	<0.1	1	<2	32	5	<5	<3	1	<10	<2	<0.2	8	69	153
28405	Drill Core	8.4	0.01	--	<0.1	2	<2	33	7	<5	<3	1	<10	<2	<0.2	7	67	117
28406	Drill Core	3.3	0.02	--	<0.1	13	<2	40	<5	<5	<3	2	<10	<2	<0.2	8	68	155
28407	Drill Core	1.2	2.25	2.26	2.4	1443	7	76	166	<5	<3	5	<10	<2	<0.2	99	73	19
28408	Drill Core	1.5	0.14	--	<0.1	30	<2	38	12	<5	<3	2	<10	<2	<0.2	10	39	31
28409	Drill Core	5.7	0.01	--	<0.1	10	<2	38	<5	<5	<3	2	<10	<2	<0.2	7	51	59
28410	Drill Core	1.6	0.01	--	<0.1	3	14	70	11	<5	<3	9	<10	<2	<0.2	2	3	29
28411	Drill Core	5.7	0.06	--	<0.1	85	<2	38	23	<5	<3	2	<10	<2	<0.2	16	44	64
28412	Drill Core	2.3	0.02	--	<0.1	8	<2	32	12	<5	<3	2	<10	<2	<0.2	7	33	176
28413	Drill Core	2.4	0.02	--	<0.1	3	<2	31	13	<5	<3	2	<10	<2	<0.2	8	43	30
28414	Drill Core	3.0	0.01	--	<0.1	3	<2	24	8	<5	<3	2	<10	<2	<0.2	12	22	86
28415	Drill Core	4.9	0.01	--	<0.1	3	<2	30	7	<5	<3	<1	<10	<2	<0.2	9	26	92
28416	Drill Core	2.9	0.07	--	0.4	408	<2	83	22	<5	<3	2	<10	<2	<0.2	6	41	46
28417	Drill Core	1.0	5.56	5.40	18.3	6070	378	7620	405	<5	<3	6	<10	<2	74.7	112	64	16
28418	Drill Core	3.1	0.13	--	<0.1	58	<2	82	36	<5	<3	2	<10	<2	<0.2	15	27	53
28419	Drill Core	7.5	0.02	--	<0.1	13	<2	47	9	<5	<3	2	<10	<2	<0.2	12	57	133
28420	Pulp	--	0.98	--	0.8	31	22	172	2291	181	<3	7	<10	<2	<0.2	9	33	122
28421	Drill Core	7.8	0.02	--	<0.1	5	<2	38	12	<5	<3	2	<10	<2	<0.2	10	175	65
28422	Drill Core	6.1	0.03	--	<0.1	9	<2	50	34	<5	<3	2	<10	<2	<0.2	20	93	42
28423	Drill Core	8.2	0.07	--	<0.1	34	<2	77	17	<5	<3	3	<10	<2	<0.2	24	52	104
28424	Drill Core	8.3	0.01	--	<0.1	37	<2	79	<5	<5	<3	4	<10	<2	<0.2	18	52	118
28425	Drill Core	8.0	0.06	--	<0.1	60	<2	50	39	<5	<3	3	<10	<2	<0.2	20	54	50
28426	Drill Core	6.5	0.04	--	<0.1	126	<2	38	12	<5	<3	2	<10	<2	<0.2	11	40	47
28427	Drill Core	6.3	0.02	--	<0.1	58	<2	35	6	<5	<3	1	<10	<2	<0.2	9	40	69
28428	Drill Core	8.0	0.02	--	<0.1	32	<2	42	15	<5	<3	2	<10	<2	<0.2	20	56	30
28429	Drill Core	8.0	0.03	--	<0.1	45	<2	39	<5	<5	<3	1	<10	<2	<0.2	9	40	25
28430	Drill Core	1.7	0.01	--	<0.1	3	20	63	11	<5	<3	5	<10	<2	<0.2	2	2	26
28431	Drill Core	7.6	0.03	--	<0.1	42	<2	45	13	<5	<3	2	<10	<2	<0.2	25	51	70
28432	Drill Core	8.8	0.03	--	<0.1	35	<2	43	22	<5	<3	2	<10	<2	<0.2	16	52	63
28433	Drill Core	0.8	0.02	--	<0.1	47	<2	75	22	<5	<3	2	<10	<2	<0.2	19	59	163

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Sample Name	SampleType	Wt	Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
28434	Drill Core	5.4	0.03	--	<0.1	103	<2	65	9	<5	<3	2	<10	<2	<0.2	22	73	38
28435	Drill Core	8.5	0.01	--	<0.1	17	<2	58	<5	<5	<3	1	<10	<2	<0.2	30	121	57
28436	Drill Core	8.4	0.01	--	<0.1	64	<2	64	<5	<5	<3	3	<10	<2	<0.2	25	58	69
28437	Drill Core	8.2	0.01	--	<0.1	51	<2	52	8	<5	<3	2	<10	<2	<0.2	22	36	60
28438	Drill Core	8.2	0.01	--	<0.1	63	<2	74	11	<5	<3	2	<10	<2	<0.2	25	41	55
28439	Drill Core	8.1	0.01	--	<0.1	47	<2	63	17	<5	<3	2	<10	<2	<0.2	25	66	63
28440	Pulp	--	0.99	--	0.8	31	22	167	2228	212	<3	7	<10	<2	<0.2	9	32	133
28441	Drill Core	6.4	0.04	--	<0.1	4	<2	53	10	<5	<3	2	<10	<2	<0.2	5	8	124
28442	Drill Core	3.4	0.03	--	<0.1	4	<2	57	29	<5	<3	2	<10	<2	<0.2	31	64	33
28443	Drill Core	6.2	0.01	--	0.4	80	36	96	144	<5	<3	2	<10	<2	<0.2	21	48	72
28444	Drill Core	0.9	0.31	--	4.1	235	600	858	77	<5	<3	6	<10	<2	<0.2	38	55	22
28445	Drill Core	6.2	0.01	--	<0.1	90	<2	57	15	<5	<3	2	<10	<2	<0.2	23	43	357
28446	Drill Core	5.4	0.01	--	<0.1	40	4	47	6	<5	<3	2	<10	<2	<0.2	20	58	97
28447	Drill Core	8.2	0.01	--	<0.1	12	<2	26	<5	<5	<3	1	<10	<2	<0.2	14	34	37
28448	Drill Core	2.3	0.01	--	<0.1	19	<2	19	<5	<5	<3	<1	<10	<2	<0.2	8	8	11
28449	Drill Core	8.3	0.01	--	<0.1	89	<2	42	<5	<5	<3	2	<10	<2	<0.2	21	35	52
28450	Drill Core	1.8	0.01	--	<0.1	4	15	72	7	<5	<3	5	<10	<2	<0.2	3	3	27
28451	Drill Core	8.4	0.01	--	<0.1	22	<2	54	<5	<5	<3	2	<10	<2	<0.2	24	62	50
28452	Drill Core	2.7	0.01	--	<0.1	48	<2	60	11	<5	<3	3	<10	<2	<0.2	26	57	16
28453	Drill Core	3.8	0.01	--	<0.1	44	<2	56	<5	<5	<3	2	<10	<2	<0.2	25	59	14
28454	Drill Core	5.8	0.01	--	<0.1	9	<2	31	<5	<5	<3	3	<10	<2	<0.2	25	54	34
28455	Drill Core	6.5	0.01	--	<0.1	17	<2	33	13	<5	<3	3	<10	<2	<0.2	22	72	25
28456	Drill Core	3.2	0.02	--	<0.1	16	<2	26	48	<5	<3	2	<10	<2	<0.2	15	33	23
28457	Drill Core	5.2	0.02	--	<0.1	70	<2	34	20	<5	<3	2	<10	<2	<0.2	23	34	25
28458	Drill Core	5.5	0.02	--	<0.1	142	<2	35	20	<5	<3	2	<10	<2	<0.2	24	35	14
28459	Drill Core	2.9	0.01	--	<0.1	51	<2	23	8	<5	<3	2	<10	<2	<0.2	18	30	11
28460	Pulp	--	0.98	--	0.8	32	21	168	2201	213	<3	7	<10	<2	<0.2	9	32	120
28461	Drill Core	0.5	0.02	--	<0.1	408	<2	27	35	<5	<3	3	<10	<2	<0.2	45	29	21
28462	Drill Core	3.1	0.01	--	<0.1	10	<2	13	9	<5	<3	1	<10	<2	<0.2	11	23	9
RE 28394	Repeat	--	0.01	--	<0.1	21	25	76	36	<5	<3	18	<10	<2	<0.2	3	3	37
RE 28413	Repeat	--	0.02	--	<0.1	3	<2	30	13	<5	<3	2	<10	<2	<0.2	8	43	33
RE 28433	Repeat	--	0.02	--	<0.1	47	<2	74	23	<5	<3	3	<10	<2	<0.2	19	57	155
RE 28452	Repeat	--	0.01	--	<0.1	44	<2	59	10	<5	<3	3	<10	<2	<0.2	25	54	16
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2
Maximum detection		9999	5000	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000
Method		Spec	FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 08G3266
Client: Kettle River Res
Project: 41
Shipment#: 2008-14
PO#:
No. of Samples: 69
Analysis #1: ICP(AqR)3
Analysis #2: Au(FA/AA
Analysis #3:
Comment #1: do Ag if>
Comment #2: do Cu Pb
Date In: Jul 14, 2008
Date Out: Aug 08, 2008

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28394	<5	20	10	726	102	33	12	1	<0.01	0.38	0.41	2.94	0.09	0.08	0.04	0.05
28395	<5	157	63	1170	52	95	<1	7	0.02	2.02	4.98	3.90	2.36	0.04	0.01	0.06
28396	<5	172	62	991	50	88	<1	7	0.01	1.95	5.25	3.73	2.27	0.05	0.01	0.05
28397	<5	174	65	1134	51	99	<1	7	0.03	1.84	5.70	3.93	2.25	0.05	0.01	0.05
28398	<5	172	70	818	51	105	<1	9	0.02	1.81	4.54	3.48	2.38	0.04	0.01	0.06
28399	<5	142	57	810	45	127	<1	8	0.01	1.67	5.17	3.34	1.92	0.06	0.01	0.05
28400	<5	70	29	532	43	138	5	7	<0.01	0.38	0.98	3.50	0.35	0.12	0.01	0.05
28401	<5	139	62	773	51	124	<1	8	0.01	1.92	5.08	4.11	2.21	0.06	0.01	0.05
28402	<5	49	71	793	53	107	<1	6	<0.01	1.89	4.37	4.95	1.81	0.11	0.01	0.09
28403	<5	123	54	778	47	94	<1	6	0.02	1.73	4.68	3.73	2.13	0.05	0.01	0.07
28404	<5	128	61	581	41	106	2	7	0.09	1.51	3.58	2.94	2.20	0.03	0.02	0.06
28405	<5	142	61	599	47	84	1	7	0.06	1.63	3.55	3.36	2.15	0.04	0.01	0.06
28406	<5	119	55	1148	58	116	<1	7	<0.01	1.85	5.13	5.09	2.14	0.07	0.01	0.06
28407	<5	49	23	992	68	89	<1	4	<0.01	1.23	2.72	7.19	0.84	0.13	0.01	0.10
28408	<5	61	28	644	46	46	<1	5	<0.01	1.56	1.64	3.82	0.90	0.13	0.01	0.09
28409	<5	104	57	778	50	83	<1	7	<0.01	1.61	3.40	3.74	1.54	0.11	0.01	0.09
28410	<5	27	8	694	98	29	15	1	<0.01	0.26	0.46	2.68	0.07	0.08	0.03	0.05
28411	<5	65	29	701	38	112	<1	4	<0.01	1.13	3.84	3.15	0.99	0.13	0.01	0.09
28412	<5	50	14	492	39	32	<1	3	<0.01	0.98	1.20	3.17	0.59	0.13	0.01	0.09
28413	<5	46	13	97	43	7	<1	3	<0.01	1.29	0.28	3.54	0.46	0.16	0.01	0.09
28414	<5	47	21	214	34	23	<1	2	<0.01	1.09	0.78	2.88	0.42	0.20	0.01	0.09
28415	<5	60	17	664	38	65	<1	2	<0.01	0.92	1.94	2.71	0.48	0.18	0.01	0.08
28416	<5	64	19	1121	44	138	<1	3	<0.01	1.33	4.04	3.84	1.05	0.13	0.01	0.08
28417	<5	48	21	1556	113	199	<1	2	<0.01	0.67	5.78	12.11	1.60	0.04	<0.01	0.02
28418	<5	35	60	1251	56	161	<1	6	<0.01	2.08	5.63	5.55	1.81	0.15	0.01	0.09
28419	<5	104	39	608	41	114	<1	4	<0.01	1.39	4.04	3.32	1.55	0.08	0.01	0.06
28420	<5	69	29	530	41	134	5	7	<0.01	0.36	0.98	3.46	0.34	0.12	0.01	0.05
28421	<5	182	63	798	53	120	<1	8	<0.01	1.80	3.83	3.95	2.07	0.07	0.01	0.05
28422	<5	150	67	658	60	84	<1	8	<0.01	2.08	2.90	4.69	2.01	0.05	0.01	0.09
28423	<5	148	84	723	105	148	3	7	0.02	2.15	3.68	5.07	2.40	0.11	0.02	0.23
28424	<5	158	94	735	109	190	3	8	0.04	2.04	3.90	4.86	2.66	0.12	0.03	0.23
28425	<5	94	60	771	67	105	<1	5	<0.01	1.93	3.82	6.05	1.61	0.07	0.01	0.08
28426	<5	69	42	849	54	92	<1	5	<0.01	1.62	3.74	4.73	1.25	0.08	0.01	0.07
28427	<5	85	44	890	51	99	<1	4	<0.01	1.40	3.44	3.65	1.18	0.06	0.03	0.07
28428	<5	102	55	826	50	112	<1	5	0.01	1.50	4.02	4.14	1.42	0.04	0.02	0.07
28429	<5	102	51	760	44	98	<1	5	<0.01	1.51	3.96	3.61	1.38	0.04	0.01	0.07
28430	<5	23	8	602	91	40	16	1	<0.01	0.25	0.76	2.42	0.12	0.09	0.03	0.05
28431	<5	101	53	851	55	102	<1	4	0.01	1.60	4.13	4.17	1.51	0.03	0.02	0.08
28432	<5	94	65	754	55	89	<1	6	0.01	1.64	3.34	4.34	1.40	0.05	0.02	0.10
28433	<5	123	75	1317	78	64	<1	7	<0.01	2.55	4.06	4.78	1.96	0.06	0.01	0.16

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Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28434	<5	166	162	1131	86	70	<1	18	0.01	3.18	4.68	5.40	3.80	0.03	0.02	0.08
28435	<5	244	180	1198	83	57	<1	24	0.06	3.72	4.66	5.49	4.92	0.02	0.04	0.01
28436	<5	99	184	862	67	47	<1	19	0.06	3.09	3.98	5.44	3.26	0.02	0.07	0.01
28437	<5	69	150	708	53	36	<1	14	0.08	2.50	3.51	4.50	2.53	0.03	0.08	0.01
28438	<5	62	176	1153	67	58	<1	20	0.06	3.11	5.09	5.86	2.91	0.05	0.04	0.01
28439	<5	124	159	934	63	46	<1	19	0.04	3.11	4.51	5.02	3.43	0.02	0.07	0.01
28440	<5	71	30	523	42	140	6	7	<0.01	0.40	0.96	3.37	0.34	0.12	0.01	0.05
28441	<5	37	54	623	35	33	<1	4	0.01	1.07	2.03	2.78	1.06	0.10	0.04	0.08
28442	<5	150	61	1537	63	99	<1	6	0.01	2.11	8.32	5.58	2.34	0.05	0.01	0.05
28443	<5	89	133	1151	51	28	<1	12	0.05	2.65	2.77	4.58	2.48	0.03	0.08	0.01
28444	<5	137	128	1401	55	18	<1	8	0.01	1.98	4.58	5.60	1.76	0.03	0.01	0.01
28445	<5	71	140	800	51	37	<1	9	0.11	3.10	2.53	4.43	2.56	0.03	0.17	0.01
28446	<5	128	109	570	44	42	<1	7	0.09	2.65	2.85	3.63	2.37	0.02	0.14	0.01
28447	<5	77	106	395	35	35	<1	12	0.07	2.14	3.07	2.79	1.98	0.02	0.16	0.01
28448	<5	60	37	266	22	19	<1	6	0.01	1.12	2.31	2.07	0.88	0.03	0.04	0.01
28449	<5	105	156	714	56	37	<1	15	0.08	2.93	4.10	4.81	2.64	0.02	0.15	0.01
28450	<5	22	9	705	101	38	14	1	0.01	0.24	0.81	2.68	0.12	0.10	0.04	0.05
28451	<5	161	152	978	69	75	<1	19	0.03	3.47	6.15	5.09	3.68	0.02	0.10	0.03
28452	<5	153	175	948	74	55	<1	19	<0.01	3.53	4.67	5.71	3.60	0.04	0.01	0.01
28453	<5	171	179	974	72	61	<1	20	<0.01	3.44	6.10	5.52	3.76	0.02	0.02	0.01
28454	<5	106	182	735	68	42	<1	20	0.05	3.32	4.40	5.63	3.28	0.02	0.04	0.01
28455	<5	134	184	777	68	59	<1	22	0.02	3.43	4.29	5.30	3.50	0.03	0.09	0.01
28456	<5	82	113	1142	44	164	<1	13	<0.01	2.31	8.64	3.83	2.09	0.05	0.01	0.01
28457	<5	49	199	871	66	54	<1	20	0.02	3.11	4.95	5.97	2.59	0.05	0.05	0.02
28458	<5	58	208	789	60	40	<1	20	0.02	2.69	3.91	5.54	2.28	0.03	0.05	0.02
28459	<5	49	101	366	33	32	<1	7	0.05	2.46	2.06	2.89	1.79	0.02	0.16	0.01
28460	<5	70	30	528	42	140	6	7	<0.01	0.39	0.95	3.39	0.34	0.12	0.01	0.05
28461	<5	46	44	633	53	37	<1	3	0.01	1.97	9.93	5.02	1.87	0.06	0.02	<0.01
28462	<5	55	53	257	20	20	<1	4	0.05	1.32	1.95	1.77	1.02	0.02	0.10	0.02
RE 28394	<5	20	10	726	103	33	12	1	<0.01	0.39	0.41	2.77	0.10	0.09	0.04	0.05
RE 28413	<5	49	14	99	47	7	<1	3	<0.01	1.33	0.28	3.56	0.47	0.16	0.01	0.09
RE 28433	<5	121	73	1224	76	64	<1	6	<0.01	2.41	3.88	4.58	1.86	0.06	0.01	0.16
RE 28452	<5	146	169	915	71	53	<1	19	<0.01	3.37	4.42	5.41	3.41	0.04	0.01	0.01
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in*

ddh 08-10

Certificate#: 08G3159
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-15
PO#:
No. of Samples: 33
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 07, 2008
Date Out: Jul 30, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

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ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
28463	Core	1.9	0.04	--	0.1	4	8	71	7	<5	<3	3	<10	<2	<0.2	2	3	21	<5	20
28464	Core	5.1	0.05	--	<0.1	3	<2	88	<5	<5	<3	2	<10	<2	<0.2	6	10	177	<5	33
28465	Core	5.4	0.02	--	<0.1	2	<2	55	<5	<5	<3	2	<10	<2	<0.2	14	65	205	<5	190
28466	Core	5.3	0.06	--	<0.1	1	<2	50	<5	<5	<3	3	<10	<2	<0.2	13	69	99	<5	174
28467	Core	5.9	0.07	--	0.1	27	<2	51	17	<5	<3	2	<10	<2	<0.2	22	92	109	<5	182
28468	Core	1.4	0.45	--	0.1	23	<2	39	107	<5	<3	2	<10	<2	<0.2	93	33	33	<5	18
28469	Core	4.2	0.03	--	<0.1	13	<2	52	15	<5	<3	2	<10	<2	<0.2	9	69	61	<5	116
28470	Pulp	--	1.01	1.00	1.1	34	21	166	2210	279	<3	7	<10	<2	<0.2	9	32	214	<5	72
28471	Core	5.8	0.05	--	0.1	21	<2	64	17	<5	<3	2	<10	<2	<0.2	21	65	103	<5	78
28472	Core	1.6	3.19	3.19	1.3	578	<2	78	362	<5	<3	12	<10	<2	<0.2	198	68	27	<5	65
28473	Core	2.0	0.03	--	0.1	367	<2	48	8	<5	<3	1	<10	<2	<0.2	6	42	47	<5	81
28474	Core	0.8	1.38	1.38	2.3	1525	<2	94	2607	<5	<3	2	<10	<2	<0.2	293	131	19	<5	48
28475	Core	4.5	0.13	--	0.1	78	<2	37	59	<5	<3	2	<10	<2	<0.2	22	47	55	<5	54
28476	Core	7.4	0.08	--	0.2	21	<2	40	45	<5	<3	3	<10	<2	<0.2	19	61	38	<5	68
28477	Core	5.7	0.19	--	0.2	111	<2	69	35	<5	<3	2	<10	<2	<0.2	18	59	52	<5	64
28478	Core	1.7	6.53	6.33	14.7	4169	78	649	589	5	<3	4	<10	<2	<0.2	139	134	25	<5	30
28479	Core	3.1	0.07	--	0.2	47	<2	261	41	<5	<3	3	<10	<2	<0.2	13	30	71	<5	9
28480	Core	0.9	0.03	--	0.1	7	12	75	<5	<5	<3	3	<10	<2	<0.2	3	3	53	<5	18
28481	Core	5.5	0.02	--	0.1	10	<2	47	9	<5	<3	2	<10	<2	<0.2	6	74	54	<5	118
28482	Core	6.3	0.24	--	0.2	75	<2	77	27	<5	<3	2	<10	<2	<0.2	28	49	83	<5	111
28483	Core	7.3	0.02	--	0.1	126	<2	74	34	<5	<3	2	<10	<2	<0.2	24	50	48	<5	76
28484	Core	8.1	0.01	--	<0.1	86	<2	70	15	<5	<3	2	<10	<2	<0.2	24	46	65	<5	62
28485	Core	5.2	0.01	--	<0.1	37	<2	50	9	<5	<3	2	<10	<2	<0.2	29	83	38	<5	199
28486	Core	3.3	0.02	--	0.1	22	<2	81	11	<5	<3	3	<10	<2	<0.2	23	33	48	<5	75
28487	Core	5.0	0.01	--	<0.1	106	<2	48	8	<5	<3	1	<10	<2	<0.2	28	107	24	<5	192
28488	Core	0.9	0.03	--	0.6	1215	<2	50	6	<5	<3	1	<10	<2	<0.2	40	87	40	<5	105
28489	Core	4.5	0.01	--	<0.1	181	<2	39	<5	<5	<3	<1	<10	<2	<0.2	24	75	41	<5	190
28490	Pulp	--	1.01	1.01	1.1	34	21	170	2243	209	<3	7	<10	<2	<0.2	9	33	179	<5	72
28491	Core	1.2	0.01	--	<0.1	8	<2	44	28	<5	<3	2	<10	<2	<0.2	26	89	15	<5	253
28492	Core	5.2	0.01	--	0.1	107	<2	48	17	<5	<3	2	<10	<2	<0.2	27	64	22	<5	146
28493	Core	4.8	0.01	--	0.1	37	<2	54	<5	<5	<3	2	<10	<2	<0.2	21	27	221	<5	75
28494	Core	1.5	0.01	--	<0.1	116	<2	46	5	<5	<3	2	<10	<2	<0.2	30	33	73	<5	43
28495	Core	5.3	<0.01	--	0.1	127	<2	39	<5	<5	<3	2	<10	<2	<0.2	22	33	48	<5	46
RE 28463	Repeat	--	0.04	--	0.3	5	8	70	6	<5	<3	4	<10	<2	<0.2	2	3	22	<5	22
RE 28482	Repeat	--	0.24	--	0.2	76	<2	76	27	<5	<3	3	<10	<2	<0.2	27	48	83	<5	110
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Sample Name	SampleType	Wt	Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OXI54	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5	1
Maximum detection		9999	5000	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000	10000
Method		Spec	FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh 08-10

Certificate#: 08G3159
Client: Kettle River Resources
Project: 41
Shipment#: 2008-15
PO#:
No. of Samples: 33
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppn
Comment #2: do Cu Pb Zn if >
Date In: Jul 07, 2008
Date Out: Jul 30, 2008

Sample Name	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28463	14	684	111	30	25	1	0.01	0.71	0.42	2.70	0.27	0.09	0.05	0.06
28464	57	692	32	47	<1	4	0.01	0.99	2.25	2.82	0.99	0.08	0.04	0.08
28465	66	1338	42	113	<1	7	0.01	2.01	5.91	3.97	2.38	0.04	0.02	0.06
28466	62	1110	39	93	1	6	0.06	2.03	4.38	3.88	2.37	0.04	0.01	0.07
28467	84	830	50	121	<1	10	0.01	2.33	4.21	5.13	2.66	0.06	0.02	0.05
28468	70	609	57	98	<1	6	<0.01	1.63	4.50	6.33	1.20	0.20	0.01	0.10
28469	61	1104	46	142	<1	7	<0.01	2.13	5.55	4.41	1.90	0.13	0.01	0.08
28470	30	540	44	144	9	7	<0.01	0.40	0.98	3.38	0.33	0.14	0.01	0.05
28471	49	967	43	107	<1	6	<0.01	1.44	2.99	3.94	1.22	0.12	0.01	0.09
28472	37	1169	110	89	<1	3	<0.01	1.63	2.50	11.98	1.07	0.13	0.01	0.07
28473	48	767	41	94	<1	5	<0.01	1.58	3.36	3.67	1.60	0.11	0.01	0.09
28474	45	884	194	130	<1	2	<0.01	1.11	3.70	21.18	0.97	0.06	0.01	0.04
28475	29	1138	45	83	<1	4	<0.01	1.45	3.17	4.78	0.99	0.17	0.01	0.10
28476	30	880	53	57	<1	4	<0.01	1.65	1.94	5.23	0.71	0.14	0.01	0.07
28477	58	1549	58	117	<1	6	<0.01	1.84	3.25	4.94	1.08	0.16	0.01	0.09
28478	33	2191	114	193	<1	5	<0.01	0.82	6.08	13.18	1.44	0.14	0.01	0.05
28479	88	925	78	73	<1	7	<0.01	2.89	1.81	7.49	1.35	0.26	0.01	0.14
28480	17	756	99	36	16	1	0.02	0.54	0.50	2.84	0.20	0.18	0.05	0.06
28481	41	569	36	62	<1	5	<0.01	1.48	1.99	3.24	1.29	0.15	0.02	0.07
28482	74	689	81	96	4	7	0.01	2.31	3.01	4.96	1.90	0.08	0.01	0.16
28483	187	983	53	68	<1	21	0.01	2.88	4.32	5.66	2.92	0.05	0.03	0.04
28484	219	1107	52	55	<1	24	0.03	3.24	4.88	5.83	3.33	0.03	0.04	0.01
28485	212	852	54	103	<1	25	0.06	3.32	5.03	6.13	3.66	0.02	0.03	0.02
28486	150	967	86	175	3	12	0.05	2.85	5.33	5.68	3.13	0.06	0.03	0.24
28487	175	758	46	94	<1	20	0.05	3.14	4.47	4.96	3.95	0.02	0.04	0.01
28488	142	546	42	74	<1	14	0.05	2.49	3.31	4.73	2.69	0.02	0.09	0.01
28489	134	611	38	69	<1	15	0.04	2.33	3.08	4.01	2.99	0.03	0.05	0.01
28490	30	554	44	143	9	7	<0.01	0.40	0.99	3.41	0.33	0.13	0.01	0.05
28491	168	860	47	90	<1	22	0.01	3.01	5.59	4.93	3.44	0.02	0.02	0.01
28492	176	943	50	65	<1	23	0.01	3.25	4.99	5.39	3.64	0.03	0.03	0.01
28493	161	876	66	159	<1	16	0.03	3.14	4.51	5.87	2.89	0.06	0.14	0.11
28494	210	852	59	90	<1	20	0.04	3.01	3.08	6.75	2.57	0.03	0.12	0.03
28495	163	712	45	62	<1	16	0.05	2.74	2.60	5.24	2.50	0.02	0.11	0.02
RE 28463	15	738	120	32	29	1	0.01	0.77	0.46	2.49	0.26	0.10	0.06	0.06
RE 28482	73	685	81	95	5	7	0.01	2.32	3.01	4.95	1.91	0.08	0.01	0.16
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ddh 08-10

Sample Name	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow*

DDH KRR 08-11

Certificate#: 08G3488
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-16
PO#:
No. of Samples: 96
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 28, 2008
Date Out: Aug 25, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

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Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleTyp	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
28496	Drill Core	1.5	0.02	--	--	<0.1	3	5	73	8	<5	<3	4	<10	<2	<0.2	3	2
28497	Drill Core	3.7	0.01	--	--	<0.1	12	<2	39	<5	<5	<3	2	<10	<2	<0.2	8	35
28498	Drill Core	4.8	0.02	--	--	<0.1	35	<2	65	9	<5	<3	1	<10	<2	<0.2	10	49
28499	Drill Core	4.6	0.01	--	--	<0.1	23	<2	35	<5	<5	<3	2	<10	<2	<0.2	10	44
28500	Pulp	--	0.98	--	--	1.0	30	16	159	2160	118	<3	6	<10	<2	<0.2	9	29
5001	Drill Core	1.0	0.01	--	--	<0.1	3	<2	31	8	<5	<3	2	<10	<2	<0.2	17	52
5002	Drill Core	4.3	0.01	--	--	<0.1	109	<2	40	<5	<5	<3	2	<10	<2	<0.2	16	53
5003	Drill Core	5.4	0.01	--	--	<0.1	32	<2	32	<5	<5	<3	2	<10	2	<0.2	12	44
5004	Drill Core	8.2	0.01	--	--	<0.1	69	<2	35	<5	<5	<3	2	<10	<2	<0.2	16	47
5005	Drill Core	8.2	0.01	--	--	<0.1	14	<2	37	<5	<5	<3	1	<10	<2	<0.2	8	41
5006	Drill Core	1.5	0.04	--	--	0.3	666	<2	37	14	<5	<3	2	<10	<2	<0.2	37	44
5007	Drill Core	2.8	0.01	--	--	<0.1	23	<2	41	<5	<5	<3	2	<10	<2	<0.2	13	46
5008	Drill Core	8.3	0.01	--	--	<0.1	9	<2	39	<5	<5	<3	3	<10	<2	<0.2	11	53
5009	Drill Core	8.3	0.01	--	--	<0.1	8	<2	42	<5	<5	<3	2	<10	2	<0.2	13	106
5010	Drill Core	1.6	0.01	--	--	<0.1	3	12	72	15	<5	<3	9	<10	<2	<0.2	2	2
5011	Drill Core	5.5	0.01	--	--	<0.1	16	<2	49	<5	<5	<3	2	<10	<2	<0.2	11	134
5012	Drill Core	5.5	0.03	--	--	<0.1	70	<2	33	<5	<5	<3	3	<10	2	<0.2	9	45
5013	Drill Core	1.0	0.04	--	--	<0.1	59	<2	41	<5	<5	<3	2	<10	<2	<0.2	12	46
5014	Drill Core	8.0	0.03	--	--	<0.1	110	<2	34	10	<5	<3	2	<10	<2	<0.2	12	42
5015	Drill Core	7.7	0.02	--	--	<0.1	52	<2	36	5	<5	<3	2	<10	<2	<0.2	12	53
5016	Drill Core	1.0	0.45	--	--	2.0	517	<2	60	55	<5	<3	2	<10	5	<0.2	46	75
5017	Drill Core	5.3	0.12	--	--	<0.1	84	<2	33	5	<5	<3	2	<10	<2	<0.2	9	34
5018	Drill Core	3.7	0.02	--	--	<0.1	54	<2	40	7	<5	<3	2	<10	<2	<0.2	7	39
5019	Drill Core	5.3	0.04	--	--	<0.1	157	<2	35	10	<5	<3	2	<10	<2	<0.2	7	35
5020	Pulp	--	0.99	--	--	1.0	31	17	163	2066	126	<3	7	<10	<2	<0.2	9	29
5021	Drill Core	3.8	0.06	--	--	<0.1	66	<2	36	11	<5	<3	2	<10	<2	<0.2	7	35
5022	Drill Core	3.7	1.31	1.32	--	2.8	1447	77	134	47	<5	<3	3	<10	<2	<0.2	28	67
5023	Drill Core	1.5	1.25	1.21	--	2.8	180	153	184	170	<5	<3	7	<10	3	<0.2	23	20
5024	Drill Core	1.0	2.15	2.20	--	24.5	1837	274	574	240	<5	<3	8	<10	4	<0.2	97	62
5025	Drill Core	2.0	0.11	--	--	<0.1	84	<2	112	15	<5	<3	1	<10	<2	<0.2	20	45
5026	Drill Core	2.3	0.02	--	--	<0.1	23	<2	60	<5	<5	<3	3	<10	<2	<0.2	13	46
5027	Drill Core	5.4	0.02	--	--	<0.1	7	<2	47	<5	<5	<3	2	<10	<2	<0.2	10	46
5028	Drill Core	7.8	0.01	--	--	<0.1	11	<2	46	11	<5	<3	3	<10	<2	<0.2	26	57
5029	Drill Core	8.0	0.01	--	--	<0.1	3	<2	44	<5	<5	<3	2	<10	<2	<0.2	14	51
5030	Drill Core	1.5	0.05	--	--	<0.1	3	6	77	6	<5	<3	3	<10	<2	<0.2	3	2
5031	Drill Core	7.2	0.01	--	--	<0.1	22	<2	43	<5	<5	<3	1	<10	<2	<0.2	12	42
5032	Drill Core	5.1	0.06	--	--	<0.1	91	<2	57	<5	<5	<3	4	<10	<2	<0.2	13	69
5033	Drill Core	5.0	0.01	--	--	<0.1	53	<2	46	<5	<5	<3	2	<10	<2	<0.2	12	61
5034	Drill Core	4.5	77.59	80.00	--	8.6	105	<2	49	66	<5	<3	2	<10	2	<0.2	26	61
5035	Drill Core	4.5	0.08	--	--	<0.1	86	<2	49	147	<5	<3	2	<10	<2	<0.2	69	55

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Sample Name	SampleTyp	Wt Kg	Au g/mt	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
5036	Drill Core	8.0	0.02	--	--	<0.1	104	<2	50	10	<5	<3	2	<10	<2	<0.2	24	52
5037	Drill Core	1.4	0.01	--	--	<0.1	33	<2	65	<5	<5	<3	4	<10	<2	<0.2	17	49
5038	Drill Core	4.4	0.04	--	--	0.2	182	<2	52	39	<5	<3	2	<10	<2	<0.2	14	60
5039	Drill Core	4.6	0.04	--	--	<0.1	51	<2	80	31	<5	<3	3	<10	<2	<0.2	21	57
5040	Drill Core	1.5	0.02	--	--	<0.1	6	13	74	9	<5	<3	5	<10	<2	<0.2	3	3
5041	Drill Core	1.3	9.44	9.70	--	10.6	2233	57	329	698	<5	<3	7	<10	8	1.5	130	66
5042	Drill Core	3.1	0.09	--	--	0.2	285	<2	139	92	<5	<3	3	<10	<2	<0.2	33	40
5043	Drill Core	1.0	0.04	--	--	4.3	430	<2	74	192	<5	<3	4	<10	8	<0.2	328	74
5044	Drill Core	5.3	0.10	--	--	<0.1	79	<2	44	11	<5	<3	2	<10	<2	<0.2	12	46
5045	Drill Core	4.7	0.01	--	--	<0.1	80	<2	40	<5	<5	<3	2	<10	<2	<0.2	9	53
5046	Drill Core	5.8	0.05	--	--	<0.1	58	<2	39	<5	<5	<3	2	<10	<2	<0.2	11	61
5047	Drill Core	5.0	0.03	--	--	<0.1	122	<2	43	10	<5	<3	2	<10	2	<0.2	11	58
5048	Drill Core	1.0	0.01	--	--	3.8	200	<2	65	306	<5	<3	9	<10	9	<0.2	253	74
5049	Drill Core	3.1	0.47	--	--	0.3	367	<2	45	183	<5	<3	3	<10	2	<0.2	43	81
5050	Drill Core	1.6	0.01	--	--	1.4	4	11	68	7	<5	<3	6	<10	<2	<0.2	3	2
5051	Drill Core	1.0	3.59	3.64	--	1.6	82	<2	36	179	<5	<3	27	<10	5	<0.2	204	66
5052	Drill Core	0.3	3.89	4.02	1060.7	393.5	2616	32	874	144	<5	<3	10	<10	<2	<0.2	113	284
5053	Drill Core	4.2	0.24	--	--	1.4	349	<2	42	108	<5	<3	5	<10	<2	<0.2	19	31
5054	Drill Core	5.0	0.01	--	--	1.1	16	<2	59	15	<5	<3	2	<10	<2	<0.2	15	53
5055	Drill Core	5.1	0.07	--	--	<0.1	64	30	143	57	<5	<3	7	<10	<2	<0.2	27	38
5056	Drill Core	5.3	0.08	--	--	0.4	322	<2	43	43	<5	<3	12	<10	<2	<0.2	29	43
5057	Drill Core	3.0	0.11	--	--	0.2	168	<2	29	64	<5	<3	4	<10	2	<0.2	24	18
5058	Drill Core	3.2	0.19	--	--	0.1	140	<2	37	43	<5	<3	6	<10	3	<0.2	28	47
5059	Drill Core	8.4	0.04	--	--	0.2	197	<2	43	32	<5	<3	4	<10	<2	<0.2	36	47
5060	Pulp	--	0.99	--	--	1.0	30	16	162	2111	125	<3	7	<10	<2	<0.2	9	29
5061	Drill Core	8.0	0.01	--	--	0.2	168	<2	37	22	<5	<3	3	<10	<2	<0.2	27	34
5062	Drill Core	7.5	0.04	--	--	0.2	135	<2	47	24	<5	<3	4	<10	<2	<0.2	22	49
5063	Drill Core	1.7	0.09	--	--	2.0	1503	<2	58	33	<5	<3	4	<10	4	<0.2	15	23
5064	Drill Core	2.1	0.06	--	--	0.7	526	<2	41	38	<5	<3	4	<10	3	<0.2	32	34
5065	Drill Core	5.7	0.02	--	--	<0.1	122	<2	34	31	<5	<3	4	<10	<2	<0.2	23	34
5066	Drill Core	5.4	0.01	--	--	0.1	176	<2	32	20	<5	<3	5	<10	<2	<0.2	26	34
5067	Drill Core	5.5	0.05	--	--	0.4	358	<2	32	60	<5	<3	5	<10	<2	<0.2	33	34
5068	Drill Core	7.0	0.02	--	--	0.8	187	<2	48	21	<5	<3	6	<10	<2	<0.2	23	50
5069	Drill Core	2.6	0.26	--	--	0.6	99	64	344	156	<5	<3	9	<10	2	<0.2	28	26
5070	Drill Core	1.5	0.01	--	--	<0.1	3	5	72	<5	<5	<3	6	<10	<2	<0.2	2	2
5071	Drill Core	3.5	0.06	--	--	0.2	219	<2	65	14	<5	<3	3	<10	<2	<0.2	30	71
5072	Drill Core	8.9	0.02	--	--	<0.1	150	<2	29	<5	<5	<3	3	<10	<2	<0.2	23	63
5073	Drill Core	8.8	<0.01	--	--	<0.1	180	<2	26	<5	<5	<3	5	<10	<2	<0.2	24	46
5074	Drill Core	5.8	0.01	--	--	0.3	309	<2	35	<5	<5	<3	52	<10	<2	<0.2	29	117
5075	Drill Core	7.2	0.01	--	--	<0.1	371	<2	26	<5	<5	<3	6	<10	<2	<0.2	26	42
5076	Drill Core	8.8	0.02	--	--	<0.1	67	<2	17	<5	<5	<3	2	<10	<2	<0.2	14	59
5077	Drill Core	8.5	<0.01	--	--	<0.1	115	<2	30	6	<5	<3	3	<10	<2	<0.2	21	78
5078	Drill Core	8.4	<0.01	--	--	<0.1	56	<2	43	14	<5	<3	3	<10	<2	<0.2	25	94
5079	Drill Core	7.8	<0.01	--	--	<0.1	72	<2	50	10	<5	<3	2	<10	<2	<0.2	20	32
5080	Pulp	--	0.98	--	--	1.0	30	16	164	2157	81	<3	6	<10	<2	<0.2	9	30
5081	Drill Core	8.5	0.01	--	--	0.2	188	<2	40	20	<5	<3	2	<10	<2	<0.2	27	44
5082	Drill Core	6.0	0.01	--	--	0.1	584	<2	25	11	<5	<3	12	<10	<2	<0.2	21	8
5083	Drill Core	4.5	<0.01	--	--	<0.1	256	<2	28	<5	<5	<3	3	<10	<2	<0.2	20	33
5084	Drill Core	8.4	0.01	--	--	<0.1	154	<2	22	22	<5	<3	2	<10	<2	<0.2	19	40
5085	Drill Core	8.2	0.01	--	--	0.4	153	<2	46	58	<5	<3	9	<10	<2	<0.2	26	42
5086	Drill Core	7.8	<0.01	--	--	<0.1	193	<2	22	11	<5	<3	7	<10	<2	<0.2	22	43
5087	Drill Core	8.7	0.01	--	--	<0.1	253	<2	23	6	<5	<3	6	<10	<2	<0.2	25	33
5088	Drill Core	4.5	0.01	--	--	0.2	443	<2	21	15	<5	<3	3	<10	<2	<0.2	37	12
5089	Drill Core	7.2	0.01	--	--	0.2	181	<2	22	7	<5	<3	8	<10	<2	<0.2	19	27
5090	Drill Core	2.6	<0.01	--	--	5.8	13	13	78	<5	<5	<3	6	<10	<2	<0.2	3	2

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Sample Name	SampleTyp	Wt	Au	Au	Ag	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni
		Kg	g/mt	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
5091	Drill Core	7.8	0.03	--	1257.8	385.5	1566	<2	28	12	<5	<3	8	<10	<2	<0.2	29	67
RE 28496	Repeat	--	0.02	--	--	<0.1	5	5	71	8	<5	<3	4	<10	<2	<0.2	3	2
RE 5015	Repeat	--	0.02	--	--	<0.1	53	<2	36	<5	<5	<3	3	<10	<2	<0.2	11	53
RE 5035	Repeat	--	0.08	--	--	<0.1	85	<2	49	144	<5	<3	2	<10	<2	<0.2	69	54
RE 5054	Repeat	--	0.01	--	--	1.1	16	<2	59	14	<5	<3	2	<10	<2	<0.2	13	52
RE 5074	Repeat	--	0.01	--	--	0.3	311	<2	36	<5	<5	<3	57	<10	<2	<0.2	31	131
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1
Maximum detection		9999	5000	5000	9999	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000
Method		Spec	FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

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Certificate#: 08G3488
Client: Kettle River Resou
Project: 41
Shipment#: 2008-16
PO#:
No. of Samples: 96
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>10
Comment #2: do Cu Pb Zr
Date In: Jul 28, 2008
Date Out: Aug 25, 2008

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
28496	23	<5	24	11	704	98	39	12	1	<0.01	0.59	0.60	2.70	0.20	0.10	0.04	0.05
28497	101	<5	94	45	575	36	41	<1	5	<0.01	1.30	2.14	3.17	0.98	0.10	0.02	0.11
28498	107	<5	98	61	704	35	88	<1	6	0.01	1.58	3.73	3.59	1.42	0.06	0.02	0.10
28499	53	<5	103	62	675	35	93	<1	5	0.01	1.81	4.16	4.03	1.80	0.04	0.02	0.10
28500	97	<5	65	28	505	31	130	6	7	<0.01	0.36	0.92	3.36	0.33	0.12	0.01	0.04
5001	54	<5	76	42	728	32	94	<1	3	0.01	1.57	5.03	4.00	1.40	0.09	0.01	0.07
5002	67	<5	109	65	764	37	102	<1	6	0.01	2.04	4.56	4.86	1.89	0.04	0.02	0.10
5003	83	<5	97	53	627	35	89	<1	5	<0.01	1.37	3.04	3.05	1.28	0.07	0.02	0.09
5004	64	<5	97	60	652	32	93	<1	6	0.01	1.55	3.48	3.52	1.48	0.05	0.02	0.10
5005	37	<5	102	63	594	31	91	<1	6	<0.01	1.62	3.32	3.42	1.56	0.05	0.02	0.08
5006	27	<5	89	53	693	33	120	<1	5	<0.01	1.43	4.03	4.25	1.23	0.10	0.01	0.08
5007	29	<5	96	66	626	32	97	<1	6	0.01	1.72	3.72	3.71	1.65	0.04	0.02	0.11
5008	61	<5	118	62	594	32	84	<1	6	<0.01	1.57	2.78	3.14	1.72	0.05	0.03	0.08
5009	67	<5	134	59	737	28	141	<1	8	<0.01	1.66	4.26	3.26	1.84	0.06	0.02	0.06
5010	23	<5	25	8	649	94	49	14	1	<0.01	0.28	0.85	2.67	0.20	0.10	0.04	0.05
5011	38	<5	211	79	759	34	116	<1	9	0.01	1.98	4.01	3.70	2.46	0.04	0.02	0.05
5012	47	<5	83	41	668	30	118	<1	5	<0.01	1.46	3.85	3.31	1.40	0.08	0.02	0.08
5013	45	<5	52	45	1049	34	203	<1	4	<0.01	1.61	6.77	3.83	1.51	0.09	0.01	0.08
5014	69	<5	73	44	635	29	98	<1	4	<0.01	1.74	3.83	3.95	1.49	0.08	0.02	0.08
5015	45	<5	84	48	764	27	155	<1	5	<0.01	1.65	4.65	3.60	1.67	0.08	0.01	0.06
5016	28	<5	65	61	1309	49	264	<1	5	<0.01	2.03	6.77	6.72	1.67	0.14	0.01	0.06
5017	55	<5	64	40	817	31	156	<1	4	<0.01	1.46	4.66	3.38	1.38	0.10	0.01	0.06
5018	40	<5	71	35	708	32	125	<1	5	<0.01	1.64	3.52	3.89	1.34	0.09	0.02	0.07
5019	63	<5	76	38	773	29	133	<1	4	<0.01	1.42	4.19	3.38	1.23	0.09	0.01	0.07
5020	106	<5	68	30	517	32	136	6	7	<0.01	0.38	0.95	3.15	0.31	0.12	0.01	0.04
5021	103	<5	55	37	856	39	58	<1	4	<0.01	1.59	2.65	3.71	0.98	0.11	0.01	0.09
5022	165	<5	72	55	1176	61	16	<1	5	<0.01	2.21	0.44	7.40	1.39	0.10	0.01	0.09
5023	95	<5	74	18	129	42	23	<1	<1	<0.01	0.22	0.12	6.37	0.05	0.12	0.01	0.06
5024	14	<5	57	34	344	67	39	<1	3	<0.01	1.46	1.37	10.74	0.80	0.09	0.01	0.06
5025	80	<5	64	43	877	43	57	<1	5	<0.01	1.72	1.97	4.38	0.89	0.10	0.01	0.08
5026	69	<5	94	59	936	39	62	<1	6	<0.01	1.71	2.38	4.06	1.14	0.06	0.02	0.09
5027	36	<5	89	62	832	39	114	<1	7	<0.01	1.78	3.63	4.46	1.37	0.06	0.02	0.09
5028	49	<5	104	68	892	43	122	<1	6	0.01	1.90	4.61	4.95	1.82	0.03	0.02	0.10
5029	43	<5	106	70	809	44	121	<1	6	0.01	1.78	3.76	4.29	1.83	0.03	0.03	0.10
5030	26	<5	25	14	690	90	36	10	1	<0.01	0.54	0.53	2.71	0.27	0.11	0.05	0.05
5031	34	<5	99	61	765	41	89	<1	5	0.01	1.49	2.89	4.00	1.41	0.03	0.03	0.09
5032	37	<5	112	70	809	49	174	3	5	0.03	1.93	4.07	5.26	2.12	0.04	0.02	0.12
5033	59	<5	109	70	788	49	143	3	5	0.03	1.73	3.52	5.12	1.80	0.04	0.02	0.11
5034	32	<5	102	75	789	61	127	1	5	0.03	2.02	3.03	7.89	1.76	0.04	0.02	0.09
5035	25	<5	94	66	779	65	110	<1	5	0.03	1.85	2.91	8.31	1.59	0.06	0.02	0.09

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Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5036	36	<5	102	69	715	50	104	<1	5	0.02	1.91	3.05	6.63	1.86	0.04	0.02	0.11
5037	49	<5	154	96	728	62	153	2	7	0.01	2.21	3.94	4.79	2.40	0.06	0.02	0.20
5038	45	<5	114	75	780	38	112	<1	5	0.01	1.92	3.72	4.64	1.89	0.05	0.02	0.10
5039	41	<5	113	68	766	36	98	<1	5	0.01	1.86	4.26	4.71	1.81	0.06	0.01	0.10
5040	64	<5	26	16	678	77	103	16	1	0.02	0.50	1.28	2.52	0.27	0.19	0.05	0.06
5041	12	<5	89	39	549	76	72	<1	3	<0.01	0.95	3.13	11.74	0.90	0.08	0.01	0.06
5042	28	<5	96	57	533	32	66	<1	4	0.01	1.35	2.67	4.01	1.24	0.07	0.01	0.09
5043	11	<5	95	57	411	81	10	<1	4	0.01	1.42	0.35	13.75	1.16	0.06	0.01	0.09
5044	81	<5	101	63	719	40	95	<1	5	0.05	1.67	3.02	4.08	1.70	0.04	0.02	0.10
5045	63	<5	118	69	711	44	119	<1	6	0.05	1.86	3.55	4.28	2.13	0.04	0.02	0.11
5046	42	<5	115	66	698	41	117	<1	5	0.03	1.82	3.63	4.13	2.10	0.03	0.02	0.10
5047	50	<5	103	62	741	38	113	<1	6	0.01	1.75	3.88	3.80	1.78	0.06	0.02	0.11
5048	15	<5	46	20	573	111	86	<1	2	<0.01	0.68	3.43	16.72	0.68	0.08	0.01	0.05
5049	23	<5	63	27	784	34	206	<1	4	<0.01	1.29	6.06	4.61	1.48	0.13	0.01	0.10
5050	28	<5	21	9	669	83	70	14	1	0.01	0.36	1.23	2.50	0.21	0.10	0.04	0.05
5051	13	<5	54	17	672	63	127	<1	1	<0.01	0.82	4.22	9.88	0.94	0.12	0.01	0.09
5052	25	905	117	93	1884	76	67	<1	8	0.01	2.06	2.11	9.63	1.68	0.08	0.03	0.10
5053	35	23	67	34	608	27	147	1	4	<0.01	1.20	4.38	3.45	1.38	0.11	0.01	0.10
5054	23	6	103	69	720	34	85	<1	5	<0.01	1.84	3.12	3.91	1.66	0.03	0.02	0.09
5055	20	<5	63	131	805	39	70	<1	12	<0.01	2.74	5.45	6.06	2.79	0.08	0.01	0.02
5056	22	<5	61	148	873	40	58	<1	15	0.01	2.96	5.62	6.19	2.99	0.08	0.02	0.01
5057	18	<5	24	116	620	34	67	<1	9	<0.01	2.04	4.62	5.62	1.77	0.11	0.02	0.02
5058	15	<5	89	141	828	44	58	<1	12	<0.01	2.75	4.40	5.87	3.08	0.08	0.02	0.05
5059	19	<5	75	165	836	45	51	<1	16	0.07	2.96	3.94	6.27	3.20	0.06	0.06	0.04
5060	105	<5	67	29	507	31	131	6	7	<0.01	0.37	0.93	3.22	0.32	0.12	0.01	0.04
5061	15	<5	53	229	840	41	39	<1	20	0.03	2.71	3.49	5.99	2.71	0.05	0.04	0.02
5062	20	<5	155	146	947	37	45	<1	16	0.01	3.00	4.52	5.29	3.25	0.10	0.04	0.01
5063	11	<5	64	86	722	24	48	<1	7	<0.01	1.98	4.36	3.77	2.02	0.10	0.01	0.01
5064	13	<5	34	137	706	42	32	<1	11	0.01	2.20	3.27	6.42	1.99	0.10	0.03	0.01
5065	13	<5	59	206	847	41	48	<1	19	0.05	2.95	3.34	5.84	2.63	0.05	0.10	0.02
5066	20	<5	44	185	760	40	49	<1	19	0.04	2.93	3.83	6.03	2.69	0.05	0.11	0.01
5067	15	<5	17	92	1170	41	74	<1	11	<0.01	2.44	6.69	6.24	2.76	0.12	0.01	0.01
5068	11	<5	104	130	1123	34	45	<1	15	0.02	2.79	4.84	5.09	2.94	0.10	0.04	0.01
5069	10	<5	48	42	3749	33	119	<1	6	0.01	1.85	12.16	5.24	2.31	0.06	0.01	0.01
5070	24	<5	24	9	712	88	42	14	1	<0.01	0.31	0.77	2.60	0.15	0.11	0.04	0.05
5071	13	<5	227	145	923	42	52	<1	18	0.03	3.86	4.59	6.06	3.90	0.08	0.16	0.01
5072	12	<5	103	146	626	31	43	<1	16	0.05	3.28	2.97	4.51	2.63	0.05	0.19	0.01
5073	9	<5	88	102	442	23	29	<1	11	0.05	2.41	2.33	3.61	2.06	0.03	0.18	0.01
5074	8	<5	178	147	670	39	34	<1	17	0.05	3.06	3.48	5.72	3.35	0.03	0.08	0.01
5075	12	<5	67	104	413	31	32	<1	8	0.05	3.80	2.18	5.55	2.09	0.05	0.30	0.01
5076	14	<5	101	54	273	15	29	<1	4	0.04	2.40	1.60	2.34	1.54	0.06	0.23	0.01
5077	14	<5	109	86	495	26	34	<1	8	0.04	2.85	2.50	3.81	2.24	0.09	0.18	0.01
5078	11	<5	165	152	811	35	45	<1	19	0.01	3.54	3.97	5.09	3.65	0.04	0.10	0.01
5079	13	<5	44	150	834	32	51	<1	16	<0.01	2.67	5.32	4.92	2.33	0.08	0.04	0.02
5080	75	<5	68	30	513	32	136	5	7	<0.01	0.39	0.94	3.26	0.32	0.13	0.01	0.05
5081	15	<5	65	192	810	42	53	<1	20	0.03	3.47	3.74	6.43	2.81	0.04	0.12	0.03
5082	30	<5	24	104	270	44	107	<1	4	0.04	3.65	2.34	7.20	1.65	0.09	0.23	0.11
5083	18	<5	52	139	448	31	36	<1	10	0.08	3.69	1.85	4.90	2.14	0.07	0.29	0.02
5084	14	<5	90	86	443	21	38	<1	7	0.05	2.72	1.88	3.22	1.78	0.03	0.18	0.01
5085	37	<5	82	120	1403	37	166	<1	14	0.04	3.13	4.81	4.98	2.72	0.06	0.18	0.06
5086	13	<5	80	107	417	24	44	<1	11	0.05	2.70	2.91	3.90	2.05	0.03	0.22	0.01
5087	12	<5	58	143	421	31	44	<1	14	0.07	3.05	2.77	4.90	2.01	0.05	0.24	0.02
5088	22	<5	26	81	214	45	77	<1	3	0.05	3.24	2.76	7.43	1.82	0.12	0.18	0.13
5089	9	<5	63	119	402	23	39	<1	15	0.06	2.47	2.54	3.62	1.96	0.03	0.18	0.01
5090	32	10	27	10	678	86	36	10	1	<0.01	0.33	0.57	2.75	0.15	0.12	0.05	0.05

DDH KRR 08-11

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5091	10	234	83	119	468	28	33	<1	13	0.05	2.84	3.00	4.78	2.30	0.04	0.16	0.01
RE 28496	22	<5	24	11	693	95	38	12	1	<0.01	0.59	0.59	2.58	0.19	0.10	0.04	0.05
RE 5015	46	<5	88	50	786	27	159	<1	5	<0.01	1.56	4.42	3.39	1.58	0.09	0.01	0.06
RE 5035	24	<5	94	66	778	64	109	<1	5	0.03	1.81	2.84	8.10	1.56	0.06	0.02	0.09
RE 5054	23	5	103	69	715	33	84	<1	5	<0.01	1.85	3.15	3.97	1.67	0.03	0.02	0.09
RE 5074	9	<5	193	166	700	41	38	<1	19	0.06	3.22	3.63	6.09	3.79	0.03	0.08	0.01
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in y*

ddh KRR 08-12

Certificate#: 08G3315
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-17
PO#:
No. of Samples: 65
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 16, 2008
Date Out: Aug 11, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5
Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleType	Wt Kg	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm
5092	Drill Core	1.3	<0.01	--	<0.1	3	11	63	14	<5	<3	5	<10	<2	<0.2	3	2
5093	Drill Core	1.6	0.03	--	<0.1	24	5	68	9	<5	<3	2	<10	<2	<0.2	16	54
5094	Drill Core	9.7	0.04	--	<0.1	69	<2	42	5	<5	<3	1	<10	<2	<0.2	12	46
5095	Drill Core	7.8	0.04	--	<0.1	131	<2	34	8	<5	<3	2	<10	<2	<0.2	18	47
5096	Drill Core	7.3	0.04	--	<0.1	28	<2	36	5	<5	<3	1	<10	<2	<0.2	12	43
5097	Drill Core	8.0	0.01	--	<0.1	34	<2	40	<5	<5	<3	2	<10	<2	<0.2	12	46
5098	Drill Core	7.9	2.92	2.93	<0.1	20	<2	33	<5	<5	<3	1	<10	<2	<0.2	9	42
5099	Drill Core	5.5	<0.01	--	<0.1	15	<2	30	<5	<5	<3	<1	<10	<2	<0.2	15	49
5100	Pulp	--	0.98	--	0.7	31	21	160	2085	118	<3	6	<10	<2	<0.2	10	31
5101	Drill Core	0.3	0.41	--	2.0	8949	16	43	590	<5	<3	<1	<10	<2	<0.2	478	373
5102	Drill Core	5.9	<0.01	--	<0.1	54	<2	42	5	<5	<3	2	<10	<2	<0.2	13	135
5103	Drill Core	0.8	0.01	--	<0.1	110	<2	39	<5	<5	<3	1	<10	<2	<0.2	12	187
5104	Drill Core	2.7	0.05	--	<0.1	189	<2	50	<5	<5	<3	2	<10	<2	<0.2	14	147
5105	Drill Core	3.8	0.04	--	<0.1	69	<2	34	6	<5	<3	1	<10	<2	<0.2	8	57
5106	Drill Core	5.9	0.06	--	<0.1	207	<2	38	<5	<5	<3	2	<10	<2	<0.2	10	47
5107	Drill Core	2.1	1.19	1.17	2.0	110	<2	39	21	<5	<3	1	<10	<2	<0.2	18	53
5108	Drill Core	5.3	<0.01	--	<0.1	19	<2	39	<5	<5	<3	2	<10	<2	<0.2	8	57
5109	Drill Core	4.9	0.01	--	<0.1	49	<2	40	<5	<5	<3	1	<10	<2	<0.2	8	55
5110	Drill Core	1.2	<0.01	--	<0.1	5	32	73	27	<5	<3	14	<10	<2	<0.2	2	3
5111	Drill Core	1.8	0.79	--	1.5	520	<2	37	25	<5	<3	2	<10	<2	<0.2	31	51
5112	Drill Core	4.3	0.07	--	<0.1	133	<2	46	8	<5	<3	2	<10	<2	<0.2	11	44
5113	Drill Core	5.3	0.33	--	0.1	356	<2	48	85	<5	<3	4	<10	<2	<0.2	28	49
5114	Drill Core	4.5	0.03	--	<0.1	49	<2	41	<5	<5	<3	2	<10	<2	<0.2	9	43
5115	Drill Core	2.7	0.02	--	<0.1	68	<2	38	<5	<5	<3	1	<10	<2	<0.2	8	40
5116	Drill Core	5.0	0.12	--	<0.1	35	<2	40	15	<5	<3	2	<10	<2	<0.2	8	47
5117	Drill Core	5.6	0.02	--	<0.1	4	<2	38	<5	<5	<3	2	<10	<2	<0.2	8	46
5118	Drill Core	5.3	0.02	--	<0.1	101	<2	36	<5	<5	<3	2	<10	<2	<0.2	7	39
5119	Drill Core	2.7	0.06	--	<0.1	256	<2	37	30	<5	<3	2	<10	<2	<0.2	19	45
5120	Pulp	--	1.00	1.01	0.6	30	21	159	2062	121	<3	7	<10	<2	<0.2	9	30
5121	Drill Core	5.4	0.01	--	<0.1	20	<2	32	9	<5	<3	2	<10	<2	<0.2	11	41
5122	Drill Core	5.2	0.02	--	<0.1	120	<2	34	6	<5	<3	2	<10	<2	<0.2	14	47
5123	Drill Core	5.5	<0.01	--	<0.1	16	<2	39	<5	<5	<3	1	<10	<2	<0.2	8	45
5124	Drill Core	4.9	<0.01	--	<0.1	31	<2	80	<5	<5	<3	3	<10	<2	<0.2	20	49
5125	Drill Core	7.4	<0.01	--	<0.1	33	<2	73	<5	<5	<3	4	<10	<2	<0.2	22	47
5126	Drill Core	8.2	<0.01	--	<0.1	12	<2	39	<5	<5	<3	1	<10	<2	<0.2	14	48
5127	Drill Core	4.4	0.07	--	<0.1	15	<2	47	5	<5	<3	1	<10	<2	<0.2	13	61
5128	Drill Core	0.3	0.03	--	2.1	1509	<2	51	16	<5	<3	2	<10	<2	<0.2	75	104
5129	Drill Core	8.3	0.02	--	<0.1	16	<2	34	5	<5	<3	2	<10	<2	<0.2	13	44
5130	Drill Core	1.9	0.01	--	<0.1	7	11	70	10	<5	<3	4	<10	<2	<0.2	3	3
5131	Drill Core	8.0	0.01	--	<0.1	74	<2	33	<5	<5	<3	1	<10	<2	<0.2	12	45

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Sample Name	SampleType	Wt	Au	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni
		Kg	g/mt	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
5132	Drill Core	6.2	0.01	--	<0.1	125	<2	39	<5	<5	<3	2	<10	<2	<0.2	13	51
5133	Drill Core	1.1	0.06	--	<0.1	174	<2	32	39	<5	<3	1	<10	<2	<0.2	67	67
5134	Drill Core	4.6	0.01	--	<0.1	43	<2	35	6	<5	<3	1	<10	<2	<0.2	17	48
5135	Drill Core	5.9	0.01	--	<0.1	24	<2	36	<5	<5	<3	2	<10	<2	<0.2	11	45
5136	Drill Core	4.8	0.01	--	<0.1	47	<2	32	<5	<5	<3	2	<10	<2	<0.2	8	7
5137	Drill Core	5.2	0.14	--	<0.1	127	<2	33	6	<5	<3	2	<10	<2	<0.2	9	11
5138	Drill Core	5.5	0.20	--	<0.1	37	<2	33	6	<5	<3	3	<10	<2	<0.2	12	48
5139	Drill Core	0.9	0.20	--	<0.1	7	<2	33	22	<5	<3	1	<10	<2	<0.2	16	48
5140	Pulp	--	0.98	--	0.7	31	20	158	2064	121	<3	6	<10	<2	<0.2	9	30
5141	Drill Core	7.0	0.02	--	<0.1	52	<2	41	7	<5	<3	2	<10	<2	<0.2	7	48
5142	Drill Core	3.2	0.12	--	<0.1	331	2	36	21	<5	<3	2	<10	<2	<0.2	12	30
5143	Drill Core	2.7	49.53	50.30	27.8	5493	250	571	659	133	<3	21	<10	14	<0.2	198	85
5144	Drill Core	2.4	0.13	--	<0.1	170	<2	59	16	<5	<3	2	<10	<2	<0.2	7	57
5145	Drill Core	6.0	0.05	--	<0.1	31	<2	45	<5	<5	<3	1	<10	<2	<0.2	8	51
5146	Drill Core	7.9	0.01	--	<0.1	25	<2	46	<5	<5	<3	1	<10	<2	<0.2	8	60
5147	Drill Core	7.8	0.05	--	<0.1	15	<2	50	<5	<5	<3	2	<10	<2	<0.2	12	48
5148	Drill Core	8.0	0.01	--	<0.1	30	<2	41	<5	<5	<3	1	<10	<2	<0.2	10	53
5149	Drill Core	7.8	0.02	--	<0.1	30	<2	41	<5	<5	<3	1	<10	<2	<0.2	10	46
5150	Drill Core	2.0	0.02	--	<0.1	3	13	73	14	<5	<3	4	<10	<2	<0.2	3	2
5151	Drill Core	7.5	0.01	--	<0.1	12	<2	40	<5	<5	<3	2	<10	<2	<0.2	10	62
5152	Drill Core	8.2	0.01	--	<0.1	6	<2	32	<5	<5	<3	1	<10	<2	<0.2	12	50
5153	Drill Core	6.2	0.02	--	<0.1	23	<2	37	<5	<5	<3	2	<10	<2	<0.2	8	55
5154	Drill Core	2.5	0.03	--	<0.1	147	<2	43	6	<5	<3	1	<10	<2	<0.2	8	45
5155	Drill Core	0.9	8.53	8.50	13.5	1865	321	1892	997	<5	<3	13	<10	3	<0.2	225	111
5156	Drill Core	4.5	0.14	--	<0.1	167	12	180	39	<5	<3	2	<10	<2	<0.2	17	60
RE 5092	Repeat	--	<0.01	--	<0.1	4	14	68	16	<5	<3	6	<10	<2	<0.2	3	2
RE 5111	Repeat	--	0.79	--	1.3	558	<2	39	25	<5	<3	2	<10	<2	<0.2	33	52
RE 5131	Repeat	--	0.01	--	<0.1	78	<2	33	<5	<5	<3	2	<10	<2	<0.2	13	45
RE 5150	Repeat	--	0.01	--	<0.1	3	12	73	13	<5	<3	4	<10	<2	<0.2	3	2
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1
Maximum detection		9999	5000	5000	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000
Method		Spec	FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-12

Certificate#: 08G3315
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-17
PO#:
No. of Samples: 65
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >100
Date In: Jul 16, 2008
Date Out: Aug 11, 2008

Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5092	14	<5	12	7	670	87	67	14	1	<0.01	0.27	1.28	2.34	0.14	0.06	0.03	0.05
5093	96	<5	73	47	714	43	84	<1	5	<0.01	1.32	4.56	3.39	1.19	0.06	0.01	0.10
5094	88	<5	84	56	673	47	83	<1	5	<0.01	1.40	3.77	3.34	1.33	0.04	0.01	0.10
5095	73	<5	79	46	637	45	79	<1	4	<0.01	1.41	3.31	3.43	1.29	0.07	0.01	0.10
5096	63	<5	73	53	709	45	113	<1	6	<0.01	1.49	3.83	3.32	1.54	0.04	0.01	0.07
5097	29	<5	100	69	717	57	103	<1	6	0.01	1.70	3.57	3.80	1.77	0.02	0.02	0.11
5098	66	<5	91	58	569	47	68	<1	5	<0.01	1.43	2.95	3.08	1.50	0.03	0.02	0.09
5099	38	<5	113	56	557	43	73	<1	6	<0.01	1.19	2.97	2.42	1.38	0.04	0.02	0.07
5100	137	<5	69	29	504	44	135	7	7	<0.01	0.40	0.93	3.16	0.31	0.13	0.01	0.05
5101	13	<5	66	50	820	81	190	<1	4	<0.01	0.93	6.00	7.18	2.22	0.04	0.01	0.04
5102	56	<5	219	68	755	51	124	<1	8	<0.01	1.79	4.09	3.30	2.35	0.02	0.01	0.05
5103	59	<5	198	59	780	52	149	<1	7	0.01	1.86	5.43	3.97	2.18	0.03	0.01	0.05
5104	63	<5	193	67	934	63	144	<1	9	0.01	2.18	6.48	4.62	2.54	0.07	0.01	0.06
5105	55	<5	77	48	658	46	108	<1	6	<0.01	1.52	3.56	3.27	1.54	0.06	0.01	0.06
5106	76	<5	91	55	739	51	118	<1	5	0.01	1.61	4.25	3.67	1.63	0.05	0.01	0.08
5107	65	<5	92	48	837	56	133	<1	5	0.01	1.55	7.27	4.87	1.33	0.09	0.01	0.05
5108	40	<5	134	63	675	51	93	<1	7	<0.01	1.54	3.46	3.32	1.58	0.03	0.02	0.07
5109	241	<5	112	57	662	50	103	<1	7	<0.01	1.54	3.47	3.65	1.45	0.05	0.01	0.06
5110	23	<5	16	8	609	93	16	15	1	<0.01	0.22	0.26	2.81	0.05	0.07	0.03	0.05
5111	16	<5	90	36	968	72	154	<1	3	<0.01	1.63	8.67	6.72	1.45	0.07	0.01	0.04
5112	90	<5	96	56	956	61	124	<1	6	0.01	1.84	5.01	4.62	1.64	0.06	0.01	0.06
5113	29	<5	74	64	467	69	37	<1	6	<0.01	1.88	1.14	6.34	1.21	0.08	0.01	0.08
5114	57	<5	91	56	667	57	50	<1	5	<0.01	1.72	1.92	4.14	1.19	0.05	0.01	0.08
5115	63	<5	84	45	736	54	91	<1	5	<0.01	1.51	3.95	4.21	1.01	0.05	0.01	0.06
5116	56	<5	53	34	614	53	106	<1	5	<0.01	1.71	3.44	4.01	1.15	0.10	0.01	0.10
5117	33	<5	90	53	749	55	114	<1	6	<0.01	1.67	3.50	3.99	1.49	0.05	0.02	0.09
5118	191	<5	92	53	780	55	111	<1	5	0.01	1.59	4.28	4.58	1.23	0.06	0.02	0.08
5119	32	<5	83	42	848	42	146	<1	5	<0.01	1.38	5.08	3.52	1.05	0.10	0.02	0.07
5120	123	<5	66	28	505	42	131	6	7	<0.01	0.37	0.93	3.24	0.32	0.13	0.01	0.04
5121	29	<5	89	54	676	53	100	<1	5	0.01	1.46	3.61	3.75	1.47	0.03	0.02	0.09
5122	45	<5	89	53	722	58	111	<1	5	0.04	1.38	3.49	3.75	1.42	0.03	0.02	0.08
5123	35	<5	97	52	696	57	117	1	5	0.03	1.38	3.39	3.62	1.49	0.03	0.03	0.09
5124	86	<5	153	97	667	113	161	6	8	0.14	1.92	3.51	4.60	2.57	0.12	0.03	0.22
5125	267	<5	151	100	587	108	159	13	8	0.29	1.86	3.24	4.55	2.58	0.30	0.05	0.22
5126	26	<5	98	59	726	53	106	1	5	0.06	1.55	3.49	3.81	1.69	0.03	0.02	0.09
5127	26	<5	101	69	792	59	83	3	5	0.16	1.84	3.63	4.05	2.21	0.03	0.02	0.11
5128	26	<5	117	61	696	78	30	2	4	0.14	2.05	1.15	6.12	2.09	0.02	0.01	0.08
5129	21	<5	93	56	659	49	85	3	4	0.17	1.43	3.24	3.47	1.74	0.03	0.02	0.10
5130	30	<5	25	10	707	80	37	14	1	<0.01	0.51	0.71	2.50	0.19	0.10	0.04	0.05
5131	25	<5	90	48	634	44	70	4	3	0.17	1.29	2.81	3.33	1.52	0.03	0.02	0.09

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Sample Name	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5132	18	<5	92	49	802	53	85	2	4	0.12	1.59	3.37	4.00	1.82	0.02	0.01	0.09
5133	12	<5	59	23	896	43	108	<1	1	0.02	1.22	9.78	3.79	1.24	0.01	0.01	0.08
5134	14	<5	87	48	709	44	76	2	3	0.12	1.27	3.25	3.26	1.49	0.02	0.02	0.09
5135	29	<5	99	54	744	52	90	2	5	0.10	1.39	3.21	3.36	1.65	0.02	0.02	0.09
5136	42	<5	14	60	672	37	69	<1	4	<0.01	1.08	2.36	2.54	1.04	0.04	0.03	0.08
5137	25	<5	29	55	667	38	76	<1	4	<0.01	1.12	2.84	2.75	1.08	0.05	0.02	0.08
5138	26	<5	91	57	643	55	84	<1	5	0.04	1.42	3.51	3.60	1.69	0.03	0.01	0.10
5139	11	<5	60	41	866	45	101	<1	3	<0.01	1.52	9.75	3.70	1.60	0.01	0.01	0.03
5140	120	<5	65	27	505	41	128	7	7	<0.01	0.34	0.92	3.22	0.32	0.12	0.01	0.04
5141	72	<5	93	60	809	54	83	<1	5	0.03	1.64	5.09	3.61	1.83	0.03	0.01	0.10
5142	23	<5	55	19	811	25	105	<1	2	<0.01	0.73	5.59	1.98	0.75	0.07	0.01	0.05
5143	18	<5	32	7	449	111	59	<1	<1	<0.01	0.32	2.90	12.06	0.31	0.08	0.01	0.06
5144	27	<5	117	68	516	62	52	<1	6	0.01	1.90	2.25	4.31	2.06	0.04	0.01	0.10
5145	22	<5	94	59	670	55	81	<1	6	0.01	1.71	3.41	4.09	1.72	0.03	0.01	0.09
5146	22	<5	105	64	848	59	103	<1	6	0.01	1.83	4.20	4.07	2.01	0.03	0.01	0.11
5147	32	<5	89	58	879	54	85	<1	5	0.03	1.68	4.72	3.83	1.93	0.03	0.01	0.09
5148	29	<5	94	58	815	53	84	1	5	0.07	1.53	4.12	3.57	1.76	0.04	0.01	0.11
5149	20	<5	87	54	780	48	85	<1	5	0.01	1.59	4.42	3.56	1.58	0.03	0.01	0.09
5150	19	<5	17	10	656	95	54	15	1	<0.01	0.49	1.00	2.49	0.25	0.06	0.03	0.05
5151	45	<5	143	55	718	52	97	<1	5	0.02	1.54	3.90	3.47	1.64	0.03	0.02	0.10
5152	42	<5	97	59	674	55	106	<1	5	0.01	1.56	4.32	3.58	1.67	0.02	0.01	0.09
5153	27	<5	93	67	670	61	94	<1	6	0.02	1.74	4.12	3.94	1.98	0.03	0.02	0.11
5154	46	<5	99	61	612	55	73	<1	5	0.02	1.64	3.19	3.60	1.87	0.04	0.01	0.10
5155	19	<5	42	16	440	148	51	<1	1	<0.01	0.59	2.44	14.72	0.46	0.08	0.01	0.07
5156	38	<5	82	59	714	57	78	<1	5	0.01	1.58	3.41	3.73	1.56	0.06	0.01	0.10
RE 5092	16	<5	13	7	702	90	71	13	1	<0.01	0.30	1.25	2.32	0.14	0.07	0.03	0.05
RE 5111	16	<5	87	36	974	76	164	<1	3	<0.01	1.54	8.17	6.13	1.38	0.07	0.01	0.04
RE 5131	25	<5	92	49	650	45	73	4	3	0.17	1.36	2.94	3.48	1.59	0.03	0.02	0.10
RE 5150	19	<5	17	10	654	96	55	15	<1	<0.01	0.50	0.99	2.42	0.24	0.06	0.03	0.05
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	2	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) a*

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Certificate#: 08H3614
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-18
PO#:
No. of Samples: 69
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Aug 05, 2008
Date Out: Sep 09, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
Fax: 604/879-7898 604/272-0851
Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleTy	Wt Kg	Au g/mt	Au g/mt	Cu %	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm
5157	Drill Core	1.8	0.01	--	--	<0.1	4	14	79	14	<5	<3	6	<10	<2	<0.2	3	3	25
5158	Drill Core	5.8	0.02	--	--	0.1	67	<2	113	<5	<5	<3	4	<10	<2	<0.2	19	67	29
5159	Drill Core	5.3	0.04	--	--	0.1	59	<2	78	19	<5	<3	2	<10	<2	<0.2	13	13	55
5160	Pulp	--	0.99	--	--	1.0	32	22	180	2317	323	<3	8	<10	<2	<0.2	11	36	344
5161	Drill Core	5.5	0.01	--	--	<0.1	3	<2	94	14	<5	<3	2	<10	<2	<0.2	15	58	31
5162	Drill Core	7.5	<0.01	--	--	<0.1	19	<2	79	<5	<5	<3	2	<10	<2	<0.2	18	70	28
5163	Drill Core	8.2	0.01	--	--	<0.1	13	<2	77	<5	<5	<3	2	<10	<2	<0.2	18	70	35
5164	Drill Core	8.0	<0.01	--	--	<0.1	10	<2	72	<5	<5	<3	2	<10	<2	<0.2	18	66	34
5165	Drill Core	4.9	0.19	--	--	<0.1	7	<2	110	<5	<5	<3	2	<10	<2	<0.2	19	64	52
5166	Drill Core	4.3	<0.01	--	--	<0.1	49	<2	72	<5	<5	<3	5	<10	<2	<0.2	11	8	52
5167	Drill Core	1.3	0.01	--	2.66	21.0	27926	<2	134	22	<5	<3	5	<10	<2	<0.2	71	74	38
5168	Drill Core	5.5	<0.01	--	--	0.1	233	<2	78	<5	<5	<3	2	<10	<2	<0.2	13	20	54
5169	Drill Core	0.9	0.01	--	1.39	14.1	15072	<2	104	13	<5	<3	<1	<10	<2	<0.2	37	50	43
5170	Drill Core	1.6	<0.01	--	--	<0.1	49	33	81	17	<5	<3	7	<10	<2	<0.2	4	3	21
5171	Drill Core	5.4	0.01	--	--	<0.1	106	<2	106	<5	<5	<3	2	<10	<2	<0.2	17	63	34
5172	Drill Core	5.8	<0.01	--	--	<0.1	30	<2	100	<5	<5	<3	2	<10	<2	<0.2	13	59	30
5173	Drill Core	2.6	0.01	--	--	<0.1	14	<2	111	<5	<5	<3	2	<10	<2	<0.2	13	61	33
5174	Drill Core	2.8	<0.01	--	--	1.5	1804	<2	66	7	<5	<3	3	<10	<2	<0.2	57	62	40
5175	Drill Core	2.6	0.01	--	--	0.7	466	<2	51	<5	<5	<3	2	<10	<2	<0.2	27	50	44
5176	Drill Core	3.0	0.01	--	--	0.6	313	<2	106	<5	<5	<3	2	<10	<2	<0.2	18	64	43
5177	Drill Core	5.3	0.01	--	--	0.6	755	<2	91	<5	<5	<3	2	<10	<2	<0.2	17	56	46
5178	Drill Core	5.7	0.01	--	--	<0.1	8	<2	99	<5	<5	<3	2	<10	<2	<0.2	17	73	41
5179	Drill Core	5.5	0.01	--	--	<0.1	7	<2	83	<5	<5	<3	2	<10	<2	<0.2	15	58	46
5180	Pulp	--	0.98	--	--	1.0	33	22	178	2216	335	<3	8	<10	<2	<0.2	11	35	369
5181	Drill Core	4.6	<0.01	--	--	<0.1	2	<2	82	5	<5	<3	2	<10	<2	<0.2	17	64	50
5182	Drill Core	5.5	0.04	--	--	<0.1	3	<2	69	<5	<5	<3	2	<10	<2	<0.2	13	62	50
5183	Drill Core	3.5	0.11	--	--	<0.1	30	<2	69	<5	<5	<3	2	<10	<2	<0.2	11	59	65
5184	Drill Core	2.7	14.02	13.80	5.26	39.4	47401	7	128	60	<5	<3	<1	<10	<2	<0.2	137	102	27
5185	Drill Core	5.9	0.15	--	--	<0.1	158	<2	103	9	<5	<3	2	<10	<2	<0.2	18	73	36
5186	Drill Core	7.9	0.04	--	--	<0.1	141	<2	81	<5	<5	<3	3	<10	<2	<0.2	15	69	32
5187	Drill Core	8.1	0.01	--	--	<0.1	25	<2	57	<5	<5	<3	1	<10	<2	<0.2	18	75	41
5188	Drill Core	8.2	<0.01	--	--	<0.1	31	<2	35	<5	<5	<3	2	<10	<2	<0.2	16	68	29
5189	Drill Core	7.5	0.01	--	--	<0.1	7	<2	45	<5	<5	<3	2	<10	<2	<0.2	18	78	27
5190	Drill Core	1.5	0.01	--	--	<0.1	9	18	77	<5	<5	<3	4	<10	<2	<0.2	3	3	18
5191	Drill Core	2.1	<0.01	--	--	<0.1	24	6	84	7	<5	<3	4	<10	<2	<0.2	13	26	258
5192	Drill Core	8.3	0.03	--	--	<0.1	5	<2	75	<5	<5	<3	2	<10	<2	<0.2	19	89	27
5193	Drill Core	6.5	0.02	--	--	<0.1	3	<2	74	<5	<5	<3	3	<10	<2	<0.2	25	73	27
5194	Drill Core	2.7	0.17	--	--	<0.1	5	<2	92	6	<5	<3	3	<10	<2	<0.2	27	52	23

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Sample Name	SampleTy	Wt	Au	Au	Cu	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba
		Kg	g/mt	g/mt	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
5195	Drill Core	1.1	7.02	7.04	--	2.0	694	<2	37	111	<5	<3	10	<10	<2	<0.2	173	101	29
5196	Drill Core	4.4	0.03	--	--	0.3	98	<2	111	9	<5	<3	3	<10	<2	<0.2	13	66	27
5197	Drill Core	5.2	0.01	--	--	<0.1	7	<2	95	<5	<5	<3	3	<10	<2	<0.2	15	73	20
5198	Drill Core	7.8	0.03	--	--	<0.1	45	<2	73	26	<5	<3	3	<10	<2	<0.2	18	69	21
5199	Drill Core	7.1	<0.01	--	--	<0.1	29	<2	57	<5	<5	<3	2	<10	<2	<0.2	14	65	18
5200	Pulp	--	0.99	--	--	1.0	33	21	178	2261	328	<3	7	<10	<2	<0.2	10	35	326
5201	Drill Core	7.2	0.01	--	--	<0.1	6	<2	55	9	<5	<3	2	<10	<2	<0.2	12	70	27
5202	Drill Core	5.3	0.01	--	--	<0.1	192	<2	73	18	<5	<3	6	<10	<2	<0.2	34	269	31
5203	Drill Core	8.0	<0.01	--	--	<0.1	239	<2	55	<5	<5	<3	2	<10	<2	<0.2	28	45	15
5204	Drill Core	8.0	0.01	--	--	<0.1	55	<2	60	20	<5	<3	3	<10	<2	<0.2	39	380	29
5205	Drill Core	7.8	<0.01	--	--	<0.1	32	<2	103	13	<5	<3	3	<10	<2	<0.2	52	723	93
5206	Drill Core	7.1	0.01	--	--	<0.1	29	<2	132	20	<5	<3	4	<10	<2	<0.2	31	117	86
5207	Drill Core	7.6	0.01	--	--	<0.1	18	9	83	17	<5	<3	2	<10	<2	<0.2	15	33	114
5208	Drill Core	7.3	0.01	--	--	<0.1	49	<2	120	11	<5	<3	3	<10	<2	<0.2	36	162	89
5209	Drill Core	8.1	0.01	--	--	<0.1	45	<2	129	22	<5	<3	4	<10	<2	<0.2	39	161	198
5210	Drill Core	1.5	0.01	--	--	<0.1	5	25	75	15	<5	<3	7	<10	<2	<0.2	4	4	30
5211	Drill Core	7.5	0.01	--	--	<0.1	46	<2	81	24	<5	<3	4	<10	<2	<0.2	12	40	66
5212	Drill Core	3.0	0.01	--	--	<0.1	31	4	75	21	<5	<3	2	<10	<2	<0.2	13	30	111
5213	Drill Core	2.6	0.01	--	--	<0.1	17	<2	67	7	<5	<3	3	<10	<2	<0.2	16	33	110
5214	Drill Core	1.6	<0.01	--	--	<0.1	39	<2	123	7	<5	<3	3	<10	<2	<0.2	32	101	92
5215	Drill Core	1.2	<0.01	--	--	<0.1	24	<2	18	8	<5	<3	2	<10	<2	<0.2	12	20	231
5216	Drill Core	7.8	0.01	--	--	<0.1	41	<2	91	19	<5	<3	3	<10	<2	<0.2	22	55	131
5217	Drill Core	7.1	0.01	--	--	<0.1	32	6	94	23	<5	<3	2	<10	<2	<0.2	16	34	121
5218	Drill Core	4.0	<0.01	--	--	<0.1	55	<2	98	22	<5	<3	3	<10	<2	<0.2	18	59	118
5219	Drill Core	2.7	0.01	--	--	0.2	71	<2	64	12	<5	<3	6	<10	<2	<0.2	18	41	160
5220	Pulp	--	0.99	--	--	0.9	32	22	178	2242	312	<3	8	<10	<2	<0.2	11	36	328
5221	Drill Core	7.7	<0.01	--	--	<0.1	40	5	89	16	<5	<3	2	<10	<2	<0.2	21	58	203
5222	Drill Core	7.4	<0.01	--	--	<0.1	32	10	90	16	<5	<3	1	<10	<2	<0.2	17	43	109
5223	Drill Core	7.9	0.01	--	--	<0.1	57	<2	107	35	<5	<3	3	<10	<2	<0.2	19	50	153
5224	Drill Core	7.4	0.01	--	--	0.4	74	<2	94	28	<5	<3	4	<10	<2	<0.2	14	50	65
5225	Drill Core	7.3	0.01	--	--	0.2	71	<2	115	40	<5	<3	5	<10	<2	<0.2	13	75	106
RE 5157	Repeat	--	0.01	--	--	<0.1	4	14	78	13	<5	<3	6	<10	<2	<0.2	3	3	24
RE 5176	Repeat	--	0.01	--	--	0.1	313	<2	106	<5	<5	<3	2	<10	<2	<0.2	18	64	43
RE 5196	Repeat	--	0.03	--	--	<0.1	97	<2	111	9	<5	<3	2	<10	<2	<0.2	14	66	26
RE 5215	Repeat	--	<0.01	--	--	<0.1	24	<2	18	8	<5	<3	2	<10	<2	<0.2	11	20	229
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	Std iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2
Maximum detection		9999	5000	5000	20	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000
Method		Spec	FA/AAS	FAGrav	MuAICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

ddh KRR 08-13

Certificate#: 08H3614
Client: Kettle River Reso
Project: 41
Shipment#: 2008-18
PO#:
No. of Samples: 69
Analysis #1: ICP(AqR)3(
Analysis #2: Au(FA/AAS
Analysis #3:
Comment #1: do Ag if>1
Comment #2: do Cu Pb Z
Date In: Aug 05, 2008
Date Out: Sep 09, 2008

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5157	<5	27	9	731	87	35	18	1	<0.01	0.23	0.76	3.05	0.08	0.09	0.04	0.06
5158	<5	125	58	1888	15	69	<1	4	0.01	2.56	6.19	4.38	2.41	0.06	0.01	0.07
5159	<5	31	35	1508	10	66	<1	2	<0.01	1.74	4.37	3.51	1.32	0.15	0.02	0.10
5160	<5	83	36	584	20	154	9	7	<0.01	0.46	1.26	4.07	0.40	0.12	0.01	0.06
5161	<5	108	56	2027	15	151	<1	6	0.01	2.18	14.28	3.94	1.97	0.06	0.01	0.06
5162	<5	122	66	1826	16	99	<1	6	0.02	2.48	10.23	4.81	2.31	0.05	0.01	0.07
5163	<5	113	62	1747	17	79	<1	6	0.01	2.51	8.59	4.61	2.30	0.05	0.01	0.07
5164	<5	112	56	1781	15	89	<1	5	0.01	2.23	9.77	4.04	2.04	0.05	0.01	0.06
5165	<5	103	59	2167	15	80	<1	6	0.01	2.93	8.60	5.47	2.60	0.09	0.01	0.07
5166	<5	27	20	1543	10	65	<1	1	<0.01	1.71	3.88	3.71	1.13	0.16	0.01	0.10
5167	<5	28	11	3335	16	102	<1	<1	<0.01	0.84	9.30	13.42	0.44	0.16	0.01	0.05
5168	<5	35	18	1916	9	85	<1	1	<0.01	1.96	5.32	4.55	1.10	0.21	0.01	0.09
5169	<5	77	23	2179	14	98	<1	2	0.01	1.45	6.62	11.58	0.69	0.22	0.01	0.06
5170	<5	34	9	786	84	38	17	1	<0.01	0.27	0.90	3.17	0.08	0.09	0.03	0.06
5171	<5	119	32	1923	11	80	<1	2	0.01	2.62	9.22	4.82	2.12	0.10	0.01	0.06
5172	<5	109	32	1691	13	64	<1	3	<0.01	2.39	9.86	3.99	2.04	0.07	0.01	0.06
5173	<5	103	34	1958	15	64	<1	3	0.01	2.55	6.53	4.67	2.06	0.09	0.01	0.08
5174	<5	94	25	2027	10	93	<1	2	0.01	1.53	7.10	8.58	0.91	0.14	0.01	0.04
5175	<5	93	22	2238	9	101	<1	2	0.01	1.33	7.92	4.93	0.81	0.16	0.01	0.05
5176	<5	111	32	2297	13	82	<1	3	0.01	2.31	5.99	5.96	1.95	0.12	0.01	0.06
5177	<5	95	37	1951	12	111	<1	3	0.01	2.32	7.33	5.36	1.79	0.11	0.01	0.05
5178	<5	142	49	1599	16	82	<1	4	0.01	2.42	6.53	3.77	2.25	0.07	0.01	0.07
5179	<5	105	46	1401	16	68	<1	4	0.01	2.12	7.92	3.44	2.00	0.07	0.01	0.07
5180	<5	82	34	564	20	153	9	7	<0.01	0.47	1.16	3.78	0.34	0.13	0.01	0.06
5181	<5	103	54	1295	16	90	<1	5	0.02	2.10	8.52	4.17	2.11	0.06	0.01	0.06
5182	<5	104	40	1234	12	82	<1	3	0.01	1.78	10.03	3.33	1.66	0.07	0.01	0.06
5183	<5	112	22	1107	13	47	<1	2	<0.01	1.73	3.64	3.10	1.33	0.13	0.01	0.08
5184	<5	44	3	2364	16	54	<1	<1	<0.01	0.20	9.10	14.12	0.10	0.06	<0.01	0.01
5185	<5	123	34	2384	10	80	<1	3	0.01	2.48	8.81	5.58	2.14	0.08	0.01	0.06
5186	<5	124	35	1258	12	60	<1	3	<0.01	1.99	6.15	3.41	1.85	0.06	0.01	0.06
5187	<5	121	52	951	14	78	<1	4	0.02	2.36	5.45	4.41	2.26	0.08	0.01	0.08
5188	<5	120	52	965	14	96	<1	5	0.02	1.99	12.29	3.82	2.10	0.07	0.01	0.06
5189	<5	137	71	1090	14	111	<1	6	0.03	2.16	8.25	4.32	2.24	0.07	0.01	0.06
5190	<5	20	9	779	88	74	19	2	0.01	0.50	1.47	2.90	0.23	0.07	0.03	0.05
5191	<5	43	84	938	52	208	5	4	0.04	2.05	3.84	4.21	1.37	0.22	0.02	0.21
5192	<5	158	82	1340	18	107	<1	10	0.01	3.51	4.04	5.22	3.85	0.06	0.01	0.07
5193	<5	127	118	998	16	56	<1	11	0.03	3.55	3.11	6.55	3.94	0.05	0.02	0.08
5194	<5	101	112	1562	9	96	<1	11	0.01	3.26	5.29	5.96	3.19	0.05	0.02	0.09

ddh KRR 08-13

Sample Name	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5195	<5	63	15	869	16	93	<1	1	<0.01	0.81	3.24	13.29	0.56	0.15	0.01	0.05
5196	<5	123	47	2022	12	98	<1	4	<0.01	2.98	4.96	5.47	2.87	0.08	0.01	0.07
5197	<5	144	73	1487	15	49	<1	8	0.01	3.04	4.53	4.88	3.17	0.04	0.01	0.06
5198	<5	152	81	1242	12	78	<1	8	<0.01	2.40	4.29	4.40	2.63	0.04	0.01	0.07
5199	<5	131	67	1259	11	87	<1	7	<0.01	2.12	7.75	3.60	2.26	0.03	0.01	0.05
5200	<5	80	34	569	19	149	9	7	<0.01	0.45	1.28	4.16	0.37	0.13	0.01	0.05
5201	<5	131	67	932	13	94	<1	7	0.01	2.32	6.70	4.06	2.35	0.06	0.01	0.05
5202	<5	309	152	1276	9	304	<1	17	<0.01	3.69	5.31	6.11	4.70	0.03	0.01	0.03
5203	<5	88	191	1258	6	186	<1	24	<0.01	3.79	5.07	7.01	3.33	0.04	0.01	0.01
5204	<5	390	150	1152	7	289	<1	18	<0.01	3.42	5.40	6.17	5.54	0.04	0.01	0.01
5205	<5	486	89	1181	19	603	<1	7	<0.01	3.67	8.29	6.78	8.17	0.01	0.01	0.19
5206	<5	121	82	1204	27	380	<1	4	<0.01	3.49	5.38	7.17	4.58	0.08	0.01	0.20
5207	<5	44	13	591	32	133	3	2	<0.01	1.60	1.71	4.00	1.27	0.16	0.01	0.06
5208	<5	209	92	950	29	237	<1	6	<0.01	3.38	4.90	7.17	3.79	0.08	0.01	0.15
5209	<5	157	96	1288	28	239	<1	6	<0.01	3.27	5.09	7.91	3.78	0.08	0.01	0.17
5210	<5	24	13	711	76	40	16	1	0.01	0.37	0.63	2.96	0.19	0.08	0.03	0.06
5211	<5	67	23	590	8	96	2	1	<0.01	0.45	1.74	3.15	0.91	0.07	0.01	0.05
5212	<5	41	8	650	19	128	3	1	<0.01	0.75	3.12	3.75	0.89	0.13	<0.01	0.04
5213	<5	81	26	688	17	134	<1	4	<0.01	0.57	2.98	3.35	1.20	0.06	0.01	0.06
5214	<5	100	62	1160	29	125	<1	6	<0.01	3.06	2.41	8.20	2.93	0.09	0.01	0.13
5215	<5	140	12	621	5	85	<1	4	<0.01	0.38	2.44	1.84	0.80	0.01	0.01	0.03
5216	<5	81	37	957	22	133	<1	4	<0.01	1.47	2.06	4.77	1.53	0.13	0.01	0.06
5217	<5	57	14	758	28	149	3	2	<0.01	1.07	2.59	4.44	1.39	0.17	0.01	0.06
5218	<5	114	49	973	13	148	1	5	<0.01	1.06	2.23	4.47	1.64	0.07	0.01	0.05
5219	<5	114	71	1992	15	206	1	4	<0.01	0.99	4.41	4.33	2.13	0.03	0.01	0.14
5220	<5	83	35	584	20	154	10	7	<0.01	0.45	1.21	3.94	0.34	0.12	0.01	0.05
5221	<5	90	44	1923	29	174	2	5	<0.01	1.47	3.34	5.23	2.05	0.15	0.01	0.09
5222	<5	70	25	1049	33	137	2	3	<0.01	0.81	1.70	4.46	1.32	0.18	0.01	0.05
5223	<5	80	44	1265	14	134	2	4	<0.01	0.55	1.91	4.24	1.15	0.13	0.01	0.08
5224	<5	72	33	917	5	114	2	2	<0.01	0.34	1.59	3.19	0.85	0.11	0.01	0.06
5225	<5	114	40	578	5	103	3	3	<0.01	0.60	1.74	3.03	1.14	0.09	0.01	0.11
RE 5157	<5	27	9	729	83	34	21	1	<0.01	0.23	0.75	2.95	0.08	0.09	0.04	0.06
RE 5176	<5	111	32	2339	12	82	<1	3	0.01	2.43	6.03	6.07	2.04	0.11	0.01	0.06
RE 5196	<5	124	46	1920	11	99	<1	4	<0.01	2.87	4.87	5.32	2.73	0.08	0.01	0.07
RE 5215	<5	140	11	620	5	83	<1	4	<0.01	0.37	2.39	1.76	0.79	0.01	0.01	0.03
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI67 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	5	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	1000	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

* Values highlighted (in

Certificate#: 08G3482
Client: Kettle River Resources Ltd
Project: 41
Shipment#: 2008-19
PO#:
No. of Samples: 23
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >10000ppm
Date In: Jul 25, 2008
Date Out: Aug 25, 2008

International Plasma Labs Ltd.
ISO 9001:2000 Certified Company

#200 - 11620 Horseshoe Way
Richmond, B.C.
Canada V7A 4V5

Phone: 604/879-7878 604/272-7818
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Website: www.ipl.ca
Email: info@ipl.ca

ISO 9001:2000 CERTIFICATION Intertek

Sample Name	SampleTy	Wt Kg	Au g/mt	Au g/mt	Cu %	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
5226	Drill Core	1.4	0.01	--	--	<0.1	4	11	70	6	<5	<3	5	<10	<2	<0.2	3	3	24	<5
5227	Drill Core	4.9	0.01	--	--	<0.1	14	<2	86	5	<5	<3	5	<10	<2	<0.2	9	7	58	<5
5228	Drill Core	4.7	0.01	--	--	<0.1	15	<2	62	<5	<5	<3	10	<10	<2	<0.2	10	33	49	<5
5229	Drill Core	5.3	0.02	--	--	<0.1	6	<2	86	<5	<5	<3	3	<10	<2	<0.2	14	63	45	<5
5230	Drill Core	1.5	0.01	--	--	<0.1	2	13	58	<5	<5	<3	5	<10	<2	<0.2	2	3	27	<5
5231	Drill Core	5.0	0.02	--	--	<0.1	18	<2	85	<5	<5	<3	2	<10	<2	<0.2	17	60	27	<5
5232	Drill Core	4.7	0.02	--	--	<0.1	<1	<2	72	<5	<5	<3	2	<10	<2	<0.2	15	57	34	<5
5233	Drill Core	2.3	0.03	--	--	<0.1	<1	<2	62	<5	<5	<3	1	<10	<2	<0.2	14	51	26	<5
5234	Drill Core	1.9	0.03	--	--	<0.1	4	<2	55	5	<5	<3	<1	<10	<2	<0.2	13	47	55	<5
5235	Drill Core	4.5	0.01	--	--	<0.1	<1	<2	58	<5	<5	<3	1	<10	<2	<0.2	12	46	24	<5
5236	Drill Core	5.2	0.01	--	--	<0.1	2	<2	79	<5	<5	<3	2	<10	<2	<0.2	14	58	24	<5
5237	Drill Core	3.0	0.04	--	--	<0.1	23	<2	78	<5	<5	<3	2	<10	<2	<0.2	15	49	34	<5
5238	Drill Core	2.6	0.73	--	--	1.9	1657	<2	88	<5	<5	<3	4	<10	<2	<0.2	15	49	81	<5
5239	Drill Core	2.8	0.02	--	--	<0.1	2	<2	59	<5	<5	<3	2	<10	<2	<0.2	13	58	66	<5
5240	No Sampl	Ins	Ins	--	--	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins
5241	Drill Core	7.1	0.02	--	--	<0.1	218	<2	65	<5	<5	<3	3	<10	<2	<0.2	12	54	46	<5
5242	Drill Core	7.3	0.03	--	--	<0.1	6	<2	59	<5	<5	<3	2	<10	<2	<0.2	12	49	51	<5
5243	Drill Core	3.6	0.02	--	--	<0.1	5	<2	60	<5	<5	<3	2	<10	<2	<0.2	8	41	38	<5
5244	Drill Core	3.7	2.17	2.21	--	2.4	2547	<2	53	6	<5	<3	1	<10	<2	<0.2	45	49	29	<5
5245	Drill Core	1.8	12.37	12.48	Rec	27.0	12194	<2	70	19	<5	<3	1	<10	<2	<0.2	86	86	18	<5
5246	Drill Core	3.3	9.97	9.28	Rec	18.7	12669	<2	105	8	<5	<3	1	<10	<2	<0.2	44	70	30	<5
5247	Drill Core	6.9	0.03	--	--	<0.1	34	<2	75	<5	<5	<3	2	<10	<2	<0.2	12	67	47	<5
5248	Drill Core	6.0	0.04	--	--	<0.1	21	<2	53	<5	<5	<3	1	<10	<2	<0.2	12	60	38	<5
RE 5226	Repeat	--	0.01	--	--	<0.1	4	11	69	6	<5	<3	5	<10	<2	<0.2	3	2	24	<5
RE 5245	Repeat	--	12.48	--	Rec	24.4	12126	<2	70	19	<5	<3	1	<10	<2	<0.2	86	86	17	<5
Blank iPL	Blk iPL	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	STD iPL	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	STD iPL	--	1.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection		0.1	0.01	0.07	0.01	0.1	1	2	1	5	5	3	1	10	2	0.2	1	1	2	5
Maximum detection		9999	5000	5000	20	100	10000	10000	10000	10000	2000	10000	1000	1000	2000	2000	10000	10000	10000	1000
Method		Spec	FA/AAS	FAGrav	MuAICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow) are over the high detection limit for the corresponding methods. Other testing methods would be suggested. Please call for details.*

Certificate#: 08G3482
Client: Kettle River Resources L
Project: 41
Shipment#: 2008-19
PO#:
No. of Samples: 23
Analysis #1: ICP(AqR)30
Analysis #2: Au(FA/AAS)
Analysis #3:
Comment #1: do Ag if>100ppm
Comment #2: do Cu Pb Zn if >1(
Date In: Jul 25, 2008
Date Out: Aug 25, 2008

Sample Name	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
5226	29	8	641	79	60	14	1	0.01	0.27	1.01	2.46	0.25	0.11	0.04	0.05
5227	20	24	1261	9	47	<1	1	<0.01	1.61	2.01	2.96	1.04	0.14	0.03	0.08
5228	65	29	548	9	134	<1	3	<0.01	1.61	5.75	2.68	1.16	0.15	0.01	0.05
5229	90	39	1320	14	107	<1	5	<0.01	2.22	4.90	3.69	1.89	0.12	0.01	0.06
5230	24	9	639	78	42	15	1	0.01	0.27	0.83	2.50	0.16	0.12	0.04	0.05
5231	97	54	1283	14	65	<1	6	0.01	2.39	3.48	4.04	2.18	0.07	0.02	0.07
5232	96	49	993	14	61	<1	4	0.01	2.19	4.01	3.96	2.08	0.08	0.02	0.06
5233	94	46	1133	11	63	<1	4	0.02	1.83	6.16	3.54	1.78	0.08	0.02	0.06
5234	70	33	1253	9	139	<1	4	0.01	1.61	5.63	2.94	1.42	0.12	0.01	0.05
5235	80	39	1338	10	79	<1	4	0.02	1.57	7.90	2.75	1.61	0.08	0.01	0.04
5236	97	46	1309	9	91	<1	4	0.01	2.05	6.83	3.57	1.86	0.08	0.01	0.05
5237	74	39	1218	8	78	<1	4	0.01	2.05	5.53	3.53	1.80	0.10	0.01	0.05
5238	85	38	1093	7	54	<1	4	0.01	2.38	4.15	4.51	1.62	0.29	0.01	0.04
5239	92	34	699	12	50	<1	3	0.01	2.00	3.90	3.36	1.56	0.16	0.01	0.06
5240	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins	Ins
5241	85	31	1227	12	134	<1	3	<0.01	1.97	7.39	3.25	1.66	0.11	0.01	0.06
5242	82	45	841	22	139	<1	3	<0.01	2.09	5.33	3.62	1.68	0.12	0.01	0.09
5243	65	28	1602	8	128	<1	2	0.01	1.76	8.08	3.69	1.41	0.12	0.01	0.06
5244	66	20	2025	6	103	<1	2	0.01	1.38	6.61	6.17	0.81	0.16	0.01	0.05
5245	62	18	1249	5	84	<1	2	0.01	1.20	4.50	9.58	0.66	0.16	0.01	0.04
5246	77	30	2077	4	92	<1	3	0.01	1.92	6.09	7.93	1.40	0.13	0.01	0.05
5247	108	46	1434	11	115	<1	4	0.01	2.16	6.67	3.92	2.10	0.10	0.01	0.05
5248	102	50	967	11	156	<1	4	0.02	1.92	9.18	3.51	1.96	0.09	0.01	0.05
RE 5226	31	8	640	79	60	13	1	0.01	0.28	1.00	2.46	0.25	0.11	0.04	0.05
RE 5245	63	19	1251	5	84	<1	2	0.01	1.21	4.50	9.68	0.66	0.16	0.01	0.04
Blank iPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OXI54 REF	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Minimum detection	1	1	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum detection	10000	10000	10000	10000	10000	10000	10000	10	10	10	10	10	10	10	5
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

** Values highlighted (in yellow)*

APPENDIX 4e

Reference Standard Information

CERTIFICATE OF ANALYSIS

WCM MINERALS

A Division of WCM Sales Ltd.

PM 411

Gold Reference Material

LAB Replicate	Lab 1 Au oz/T	Lab 1 Au - g/t	Lab 2 Au oz/T	Lab 2 Au - g/t	Lab 3 Au oz/T	Lab 3 Au - g/t
1	0.028	0.972	0.028	0.97	0.027	0.933
2	0.026	0.897	0.028	0.96	0.026	0.900
3	0.028	0.944	0.029	0.98	0.028	0.967
4	0.028	0.960	0.029	0.99	0.028	0.967
Individual Lab						
Average	0.02751	0.943	0.028	0.975	0.027	0.942
Std Dev.	0.00096	0.032898	0.000377	0.01291	0.000937	0.032118
All Labs						
Average	0.02781	0.953				
Std Dev.	0.000864	0.029638				
Recommended	**Au oz/T**	**Au g/t**				
Value	**0.028**	**0.95**				

Lloyd Twaites Glen Armanini
Registered Assayers, Province of British Columbia

WCM Sales Ltd. 7729 Patterson Avenue Burnaby, BC, Canada, V5J 3P4
Phone: 604-437-0280 Fax: 604-437-0288
E-mail: wcmminerals@telus.net Web-site: www.wcmminerals.ca


N
CPR
PIT
Creek
Eholt
Colter Creek
Cree
Glenside C
215574
347795
517081
519643
516778
519633
516704
L593
MINNIE MOORE
L592
JUMBO
MOUNTAIN ROSE
L794
L591
EMMA
ABANDONED MINE
L2114
MATABELLE
L692
ORO DENORO
MINE
L1568
MARY B
L986
NORTON FR
LEGEND
Sample location and sample number
0 125 250
meters
MAP1
MAP2
MAP3
MAP4
MAP5
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 7a
Rock Sample Locations
SCALE:
1:5000
WORKSPACE: 5000-Sep2008-RockSamples.WOR
DATE: September 2008

347796
Wilgress
Lake
517137
516707
517174
516704
516704
L950
VASHTI
L465S
LONDON No.2 FR
L2136
L1553
L882
B.C.
L1409
MAY
MOUNTAIN
VIEW
L949
NOVELTY FR
L464S
B.C. FR No.2
R A N G E
Rathmullen
Lime
THIMBLE
MTN
L625
CORDICK
L1691
ERWIN
L863
DUPLICATE
43127
43126
43125
43128
43320
43317
43316
43321
43319
43124
43318
43123
43122
LEGEND
43161 Sample location and sample number
0 125 250
meters
MAP1
MAP2
MAP3
MAP4
MAP5
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 7b
Rock Sample Locations
SCALE:
1:5000
WORKSPACE: 5000-Sep2008-RockSamples.WOR
DATE: September 2008

580317
516749
516752
517226
519640
516746
516742
585035
516770
516736
516737
552663
306733
Providence
Lake
Marshall
Lake
MONTEZUMA
HILL
DEADMAN
HILL
PHOENIX
SPION
KOP
KNOB
HILL
OPEN PIT
TAILINGS
SKI LIFT
L2875
DENVER
L3299
LOG CABIN FR
L1705
TIMER FR
L865
BULLION
L3381
MONTE
CRISTO FR
L2385
SYLVESTER K.
L901
NEW YORK
L1692
JOKE R
L1811
GIPSY
L980
CIMERON
L796
BROOKLYN
L915
MONTEZUMA
L977
GILT EDGE
L3170
ETHEL
VERNE
FR
L588
L921
GOLDEN
EAGLE
L1260
NO.13
L1809
MIDNIGHT
STEM-
WINDER
L894
PHOENIX
L982
STANDARD
L3171
TOOTHPICK FR
L922
FOURTH
OF JULY
L1251
NUGGET
L981
IDAHO
L589
OLD
IRON-
SIDES
L933
VICTORIA
L3002s
SNOWSHOE FR
L864
PHEASANT
1429
L1847
BANNER
1381
L891
SNOWSHOE
L2125
ALMA FR
L1842
PHILLIPSBURG FR
L1328
FAIRPLAY
FR
L590
L899
GOLD DROP
KNOB
HILL
L978
ATNA
L893
CURLEY
L1327
YELLOW JACKET
L701
MONARCH
L892
RAWHIDE
1365
L678
L793
GREY EAGLE
WAR
EAGLE
1544
L1235
BANK OF
ENGLAND
L979
MISSING LINK
LEGEND
43161 Sample location and sample number
0 125 250
meters
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 7c
Rock Sample Locations
1:5000
MAP3
MAP4
MAP5
MAP2


N
L1687
519639
519638
519634
516710
519635
TAILINGS
TAILINGS
Snowshoe Creek
1290
5441500 mN
5441000 mN
5440500 mN
5440000 mN
5439500 mN
5439000 mN
5438500 mN
5438000 mN
385500 mE
386000 mE
386500 mE
387000 mE
387500 mE
388000 mE
0 125 250
meters
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 7d
Rock Sample Locations
SCALE:
1:5000
WORKSPACE: 5000-Sep2008-RockSamples.WOR
DATE: September 2008
MAP1
MAP2
MAP3
MAP4
MAP5
LEGEND
43161 Sample location and sample number


CPR
PIT
Colthern Creek
Eholt
Glenside
Creek
215574
347795
517081
519643
516778
519633
516704
L593
MINNIE MOORE
L592
JUMBO
MOUNTAIN
ROSE
L794
L591
EMMA
ABANDONED MINE
L2114
MATABELLE
L692
ORO DENORO
MINE
L1568
MARY B
L986
NORTON FR
LEGEND
0.01 , 0.9
Au (ppm) , Ag (ppm)
0 125 250
meters
MAP1
MAP2
MAP3
MAP4
MAP5
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 8a
Rock Sample Results
Au (ppm) & Ag (ppm)
SCALE:
1:5000
WORKSPACE: 5000-Sep2008-RockSamples.WOR
DATE: September 2008


347796
Lake
517137
516707
517174
516704
516704
L950
VASHTI
L465S
LONDON No.2 FR
L882
B.C.
L1409
MAY
L2136
L1553
L949
NOVELTY FR
L464S
B.C. FR No.2
R A N G E
R a t h m u l l e n
L i m e
THIMBLE
MTN
L625
CORDICK
L863
DUPLICATE
L1691
0.01 0.2
0.03 0.4
0.03 0.1
<0.01 0.5
<0.01
<0.1
0.01
<0.1
<0.01 0.1
<0.01 0.4
<0.01 0.6
0.01 0.3
<0.01 0.1
0.01
<0.1
0.03
<0.1
LEGEND
0.01 , 0.9
Au (ppm) , Ag (ppm)
0
125
250
meters
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 8b
Rock Sample Results
Au (ppm) & Ag (ppm)
SCALE:
1:5000
WORKSPACE: 5000-Sep2008-RockSamples.WOR
DATE: September 2008

KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 8c
Rock Sample Results
Au (ppm) & Ag (ppm)
1:5000
LEGEND
0.01 , 0.9 Au (ppm) , Ag (ppm)
0 125 250
meters
MAP1
MAP2
MAP3
MAP4
MAP5
N
580317
516749
516752
517226
519640
516746
516742
552663
585035
516770
516736
516737
306733
Providence
Lake
Marshall
Lake
MONTEZUMA
HILL
DEADMAN
HILL
PHOENIX
SPION
KOP
KNOB
HILL
HILL
Creek
OPEN PIT
SKI LIFT
L2875
DENVER
L3299
LOG CABIN FR
L1705
TIMER FR
L865
BULLION
L3381
MONTE
CRISTO FR
L2385
SYLVESTER K.
L901
NEW YORK
L1692
JOKE R
L1811
GIPSY
L980
CIMERON
L796
BROOKLYN
L915
MONTEZUMA
L977
GILT EDGE
L1264
GARFIELD
L3170
ETHEL
VERNE
FR
L588
L921
GOLDEN
EAGLE
L1260
NO.13
L1809
MIDNIGHT
TAILINGS
STEM-
WINDER
L982
STANDARD
L394
PHOENIX
L922
L1251
NUGGET
L3171
TOOTHPICK FR
FOURTH
OF JULY
L981
IDAHO
L589
L864
PHEASANT
L3002s
SNOWSHOE FR
OLD
IRON-
SIDES
L933
OPEN PIT
VICTORIA
1381
1429
L2125
ALMA FR
L1847
BANNER
L891
SNOWSHOE
L1842
PHILLIPSBURG FR
L1328
FAIRPLAY
FR
L590
L899
GOLD DROP
L978
ATNA
KNOB
HILL
L893
CURLEY
L1327
YELLOW JACKET
L701
MONARCH
L892
RAWHIDE
L678
1365
L793
GOLDEN EAGLE
WAR
EAGLE
1544
L1235
BANK OF
ENGLAND
L979
MISSING LINK

L1687
519639
519638
519634
516710
519635
TAILINGS
TAILINGS
Snowshoe Creek
1290
976
0 125 250
meters
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 8d
Rock Sample Results
Au (ppm) & Ag (ppm)
SCALE:
1:5000
MAP1
MAP2
MAP3
MAP4
MAP5
LEGEND
0.01 , 0.9 Au (ppm) , Ag (ppm)

KETTLE RIVER RESOURCES LTD.

PHOENIX / BLUEBELL PROPERTY

Figure 9a

Rock Sample Results

Cu (ppm) Pb (ppm) Zn (ppm)

SCALE: 1:5000

WORKSPACE: 5000-Sep2008-RockSamples.WOR

DATE: September 2008


N
Wilgress
Lake
347796
517137
516707
517174
516704
516704
L950
VASHTI
L465S
LONDON No.2 FR
L882
B.C.
L1409
MAY
L2136
BLUEBELL
L1553
MOUNTAIN
VIEW
L949
NOVELTY FR
L464S
B.C. FR No.2
L625
CORDICK
L863
DUPLICATE
L1691
ERWIN
RANGE
Rathmullen
Lime
THIMBLE
MTN
4 11 34
544 <2 22
25 8 22
279 13 94
23 <2 50
20 <2 1309
30 11 74
19 8 77
14 <2 37
<1 284 645
17 14 324
15 12 104
10 10 9385
LEGEND
15 27 103 Cu (ppm) Pb (ppm) Zn (ppm)
0 125 250
meters
MAP1
MAP2
MAP3
MAP4
MAP5
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 9b
Rock Sample Results
Cu (ppm) Pb (ppm) Zn (ppm)
SCALE:
1:5000
WORKSPACE: 5000-Sep2008-RockSamples.WOR
DATE: September 2008

580317
516749
516752
517226
519640
516746
516742
552663
585035
516770
516736
516737
306733
Providence
Lake
Marshall
Lake
MONTEZUMA
HILL
DEADMAN
HILL
PHOENIX
SPION
KOP
KNOB
HILL
OPEN PIT
SKI LIFT
TAILINGS
L2875
DENVER
L3299
LOG CABIN FR
L1705
TIMER FR
L865
BULLION
L3381
MONTE
CRISTO FR
L2385
SYLVESTER K.
L901
NEW YORK
L1692
JOKE R
L1811
GIPSY
L980
CIMERON
L796
BROOKLYN
L915
MONTEZUMA
L977
GILT EDGE
L3170
ETHEL
VERNE
FR
L588
L921
GOLDEN
EAGLE
L1260
NO.13
L1809
MIDNIGHT
STEM-
WINDER
L394
PHOENIX
L982
STANDARD
L3171
TOOTHPICK FR
L922
FOURTH
OF JULY
L1251
NUGGET
L981
IDAHO
L589
OLD
IRON-
SIDES
L933
VICTORIA
L3002s
SNOWSHOE FR
L864
PHEASANT
L1847
BANNER
1381
L891
SNOWSHOE
L2125
ALMA FR
L1842
PHILLIPSBURG FR
L1328
FAIRPLAY
FR
L590
L899
GOLD DROP
KNOB
HILL
L978
ATNA
L893
CURLEY
L1327
YELLOW JACKET
L701
MONARCH
L892
RAWHIDE
L678
L793
GREY EAGLE
WAR
EAGLE
L1235
BANK OF
ENGLAND
L979
MISSING LINK
1429
1544
1365
5441500 mN
5441000 mN
5440500 mN
5440000 mN
5439500 mN
5439000 mN
5438500 mN
5438000 mN
5437500 mN
382500 mE
383000 mE
383500 mE
384000 mE
384500 mE
385000 mE
LEGEND
15 27 103 Cu (ppm) Pb (ppm) Zn (ppm)
0 125 250
meters
MAP1
MAP2
MAP3
MAP4
MAP5
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 9c
Rock Sample Results
Cu (ppm) Pb (ppm) Zn (ppm)
1:5000
WORKSPACE: 5000-Sep2006-RockSamples.WOR
DATE: September 2006

L1687
519639
519638
519634
516710
519635
TAILINGS
TAILINGS
Snowshoe
Creek
1290
976
0 125 250
meters
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 9d
Rock Sample Results
Cu (ppm) Pb (ppm) Zn (ppm)
1:5000
MAP1
MAP2
MAP3
MAP4
MAP5
LEGEND
15 27 103 Cu (ppm) Pb (ppm) Zn (ppm)

5,444,750 mN
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
ABANDONED MINE
ABANDONED MINE
MINE
R
0 50 100
meters
MinnieSoils2007_8 by Ag_ppr
1.2 to 99,999
0.7 to 1.2
0.5 to 0.7
0.3 to 0.5
0.2 to 0.3
0.001 to 0.2
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10a
Ag (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008


5,444,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
ABANDONED MINE
ABANDONED MINE
MINE
R
0 50 100
meters
MinnieSoils2007_8 by Au_pp
10 to 99,999
6 to 10
4 to 6
3 to 4
2 to 3
0.001 to 2
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10b
Au (ppb)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
DATE: May 2008

5,444,750 mN
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
ABANDONED MINE
ABANDONED MINE
MINE
R
0
50
100
meters
MinnieSoils2007_8 by Cu_ppr
54 to 99,999
42 to 54
31 to 42
25 to 31
20 to 25
0.001 to 20
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10c
Cu (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008

Wilgress
Lake
N
ABANDONED MINE
ABANDONED MINE
MINE
R
5,444,750 mN
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
0 50 100
meters
MinnieSoils2007_8 by Pb_ppr
28 to 99,999
21 to 28
14 to 21
10 to 14
8 to 10
0.001 to 8
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10d
Pb (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008


5,444,750 mN
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
ABANDONED MINE
ABANDONED MINE
MINE
R
0
50
100
meters
MinnieSoils2007_8 by Zn_ppr
350 to 99,999
227 to 350
147 to 227
96 to 147
66 to 96
0.001 to 66
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10e
Zn (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008


5,444,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
ABANDONED MINE
ABANDONED MINE
MINE
R
0 50 100
meters
MinnieSoils2007_8 by As_ppr
38 to 99,999
28 to 38
19 to 28
15 to 19
11 to 15
0.001 to 11
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10f
As (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008

5,444,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
ABANDONED MINE
ABANDONED MINE
MINE
R
0
50
100
meters
MinnieSoils2007_8 by Sb_ppr
0.9 to 99,999
0.7 to 0.9
0.4 to 0.7
0.3 to 0.4
0.2 to 0.3
0.001 to 0.2
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10g
Sb (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008

KETTLE RIVER RESOURCES LTD.

PHOENIX / BLUEBELL PROPERTY

Figure 10h

Se (ppm)

Soil Geochemistry

Minnie Moore Grid

SCALE: **1:2500**

WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR

DATE: May 2008

5,444,750 mN
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
ABANDONED MINE
ABANDONED MINE
MINE
R
0 50 100
meters
MinnieSoils2007_8 by Hg_ppr
0.05 to 99,999
0.04 to 0.05
0.025 to 0.04
0.02 to 0.025
0.01 to 0.02
0.001 to 0.01
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10i
Hg (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008

5,444,750 mN
5,444,500 mN
5,444,250 mN
5,444,000 mN
5,443,750 mN
5,443,500 mN
5,443,250 mN
5,443,000 mN
5,442,750 mN
387,000 mE
387,250 mE
387,500 mE
387,750 mE
388,000 mE
N
Wilgress
Lake
ABANDONED MINE
ABANDONED MINE
MINE
R
0 50 100
meters
MinnieSoils2007_8 by Mo_ppr
2.1 to 99,999
1.4 to 2.1
0.9 to 1.4
0.6 to 0.9
0.5 to 0.6
0.001 to 0.5
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
Figure 10j
Mo (ppm)
Soil Geochemistry
Minnie Moore Grid
SCALE:
1:2500
WORKSPACE: Minnie_Soils_2500-24x36-May2008.WOR
DATE: May 2008

KETTLE RIVER RESOURCES LTD.

PHOENIX / BLUEBELL PROPERTY

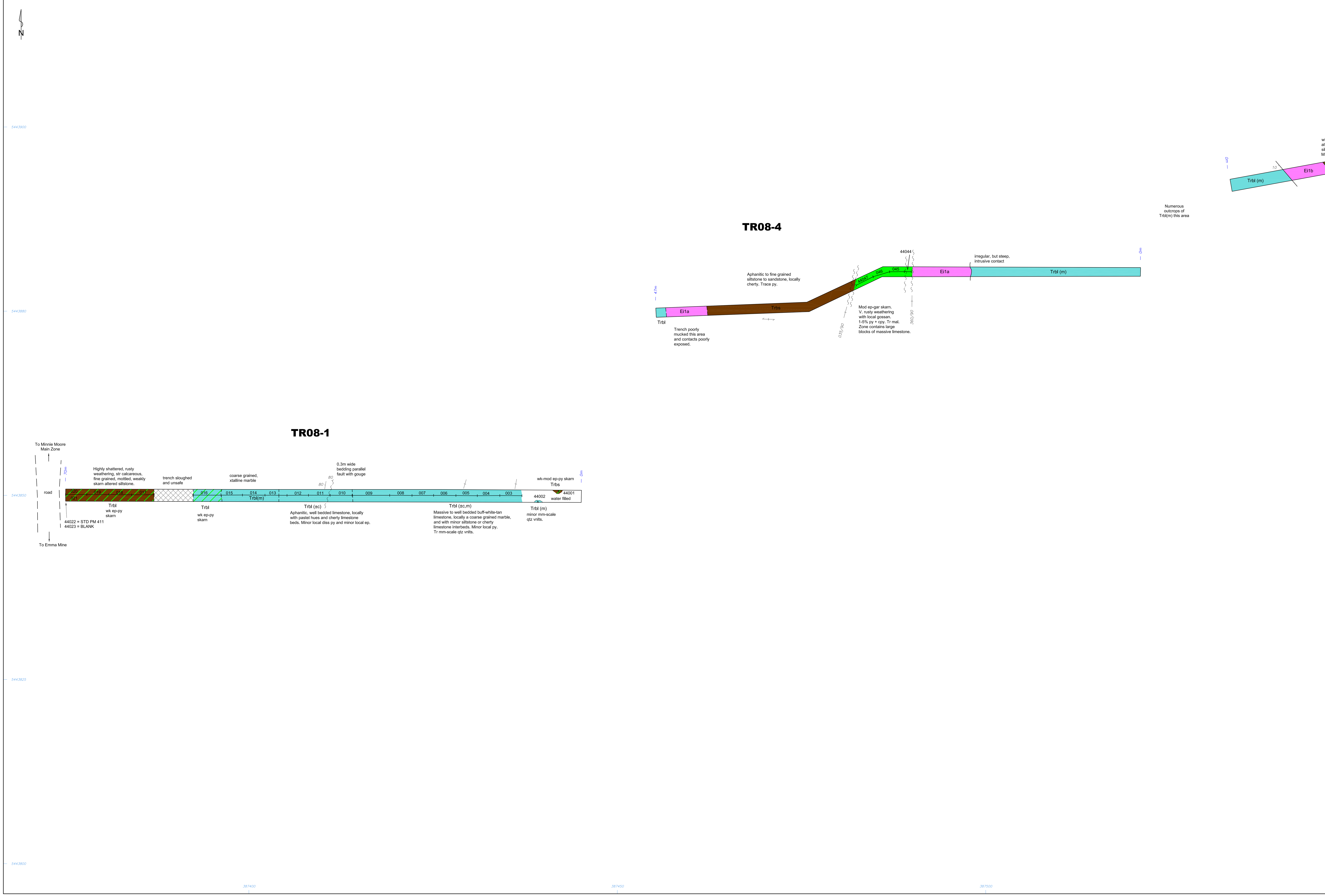
Figure 11
Minnie Moore Area

2008 Trench & Drill Hole Locations

Minnie Moore Grid

SCALE: **1:2500**

WORKSPACE: Fig11_MinnieMoore_Tr_DDH_Sep2008.WOR
DATE: September 2008



LEGEND

Qal	Quaternary Alluvium

EOCENE

Ei	Coryell intrusions. Undifferentiated syenite, monzonite and diorite dykes, sills and intrusions.
Ei1a	Pinkish brown Kspar megacrystic +/- biotite phyric syenite. Typically fine grained and non-magnetic. Narrow dykes and chilled margins of this unit are muddy brown Kspar phyric "pulaskite". Younger than Ei2 and older than Ei1b.
Ei1b	Pinkish brown hypidiomorphic syenite. Fine to medium grained, typically moderately magnetic, feldspar (plag + Kspar)-biotite-amphibole and interstitial Kspar + plag. Local Kspar megacrysts. Cuts Ei1a and Ei2.
Ei2	Dark grey, strongly magnetic hypidiomorphic feldspar-biotite-amphibole monzonite to monzodiorite. Older than Ei1a or Ei1b.
Ev	Marron Formation. Andesite and trachyte flows.
Es	Kettle River Formation. Volcaniclastic and arkosic sediments.

CRETACEOUS &/OR JURASSIC

gd, d	Nelson Plutonic Complex. Granodiorite and diorite dykes and stocks.
fp	Pale grey crowed feldspar porphyry - age uncertain. May be fine grained, hornblende-phyric in chilled margins.

TRIASSIC BROOKLYN FORMATION

Trbv	Brooklyn volcanics. Fine grained, chloritic and locally calcareous greenstone +/- finely fsp phyric. Includes coarse volcanic breccia (Trbv (bx). Locally grades to microdiorite (Trmd).
Trbl	Brooklyn limestone. Typically a massive white to grey, locally well bedded fine grained limestone with common minor interbedded calcareous sandstone. Locally contains abundant sand to pebble sized chert grains. Where these are chert pebbles are large and abundant, this unit becomes Trbl(jb) the "jelly bean conglomerate" . Locally dark grey carbonaceous limestone, coarsely crystalline marble (Trbl(m), coarse limestone breccia (Trbl (bx)) or siliceous pastel lime hornfels or cherty limestone (Trbl(c)).
Trbs	Brooklyn sediments. Includes (+/- tuffaceous) sandstone, siltstone, hornfels and minor chert. May be siliceous, variably strongly calcareous to non-calcareous, may be massive or well bedded. Can contain narrow limestone interbeds.
Trbbx	Brooklyn conglomerate. Chert breccia (sharpstone conglomerate), tuffaceous sandstone and polymictic (+limestone cobble) conglomerate.
Trba	Brooklyn argillite and black siltstone.

skarn	ep	epidote	gal	galena	
argillic alteration	px	pyroxene	mal	malachite	
silicified	gar	garnet			
quartz or intense silicification	hem	hematite			
massive or semi-massive sulfides	cc	calcite			
strike/dip of bedding/contact	po	pyrrhotite		pit	
strike/dip of jointing/foliation	py	pyrite		adit	
fault - high angle or unknown	cpy	chalcopyrite		shaft	
fault - low angle	sphal	sphalerite		diamond drill hole	
contact - defined, assumed or unknown					

NAD 83, Zone 11

KETTLE RIVER RESOURCES LTD.

PHOENIX / BLUEBELL PROPERTY

FIGURE 12a

Minnie Moore Trenches TR08-1, 08-3, 08-4 Trench Geology & Sample Locations

SCALE: 1:200 — 0 2.5 5.0 7.5 10m

DRAWN BY: LJC / rjw

DATE: SEPTEMBER 2008 FILENAME: 2008-SEP-FIG12-MINNIEMOORETR08-1-3-4.DWG

NAD 83, Zone 11

KETTLE RIVER RESOURCES LTD.

PHOENIX / BLUEBELL PROPERTY

FIGURE 12b

Minnie Moore Trenches
TR08-1, 08-3, 08-4
Sample Results
Au (ppm) / Ag (ppm)

SCALE: 1:200
0 2.5 5.0 7.5 10m

DRAWN BY: LJC / rjw
DATE: SEPTEMBER 2008 FILENAME: 2008-SEP-FIG12-MINNIEMOORETR08-1-3-4.DWG

N
TR08-3
TR07-6
cont.
TR08-4
TR08-1
To Minnie Moore
Main Zone
road
To Emma Mine
LEGEND
24 13 98
Cu (ppm) Pb (ppm) Zn (ppm)
Sample location with results
NAD 83, Zone 11
KETTLE RIVER RESOURCES LTD.
PHOENIX / BLUEBELL PROPERTY
FIGURE 12c
Minnie Moore Trenches
TR08-1, 08-3, 08-4
Sample Results
Cu (ppm) / Pb (ppm) / Zn (ppm)
SCALE: 1:200
0 2.5 5.0 7.5 10m
DRAWN BY: LJC / tw
DATE: SEPTEMBER 2008

N

LEGEND

Qal Quaternary Alluvium

EOCENE

Ei Coryell intrusions. Undifferentiated syenite, monzonite and diorite dykes, sills and intrusions.

Ei1a Pinkish brown Kspar megacrystic +/- biotite phyric syenite. Typically fine grained and non-magnetic. Narrow dykes and chilled margins of this unit are muddy brown Kspar phyric "pulaskite". Younger than Ei2 and older than Ei1b.

Ei1b Pinkish brown hypidiomorphic syenite. Fine to medium grained, typically moderately magnetic, feldspar (plag + Kspar)-biotite-amphibole and interstitial Kspar + plag. Local Kspar megacrysts. Cuts Ei1a and Ei2.

Ei2 Dark grey, strongly magnetic hypidiomorphic feldspar-biotite-amphibole monzonite to monzodiorite. Older than Ei1a or Ei1b.

Ev Marron Formation. Andesite and trachyte flows.

Es Kettle River Formation. Volcaniclastic and arkosic sediments.

CRETACEOUS &OR JURASSIC

gd, d Nelson Plutonic Complex. Granodiorite and diorite dykes and stocks.

fp Pale grey crowed feldspar porphyry - age uncertain. May be fine grained, hornblende-phyric in chilled margins.

TRIASSIC BROOKLYN FORMATION

Trbv Brooklyn volcanics. Fine grained, chloritic and locally calcareous greenstone +/- finely fsp phyric. Includes coarse volcanic breccia (Trbv (bx). Locally grades to microdiorite (Trmd).

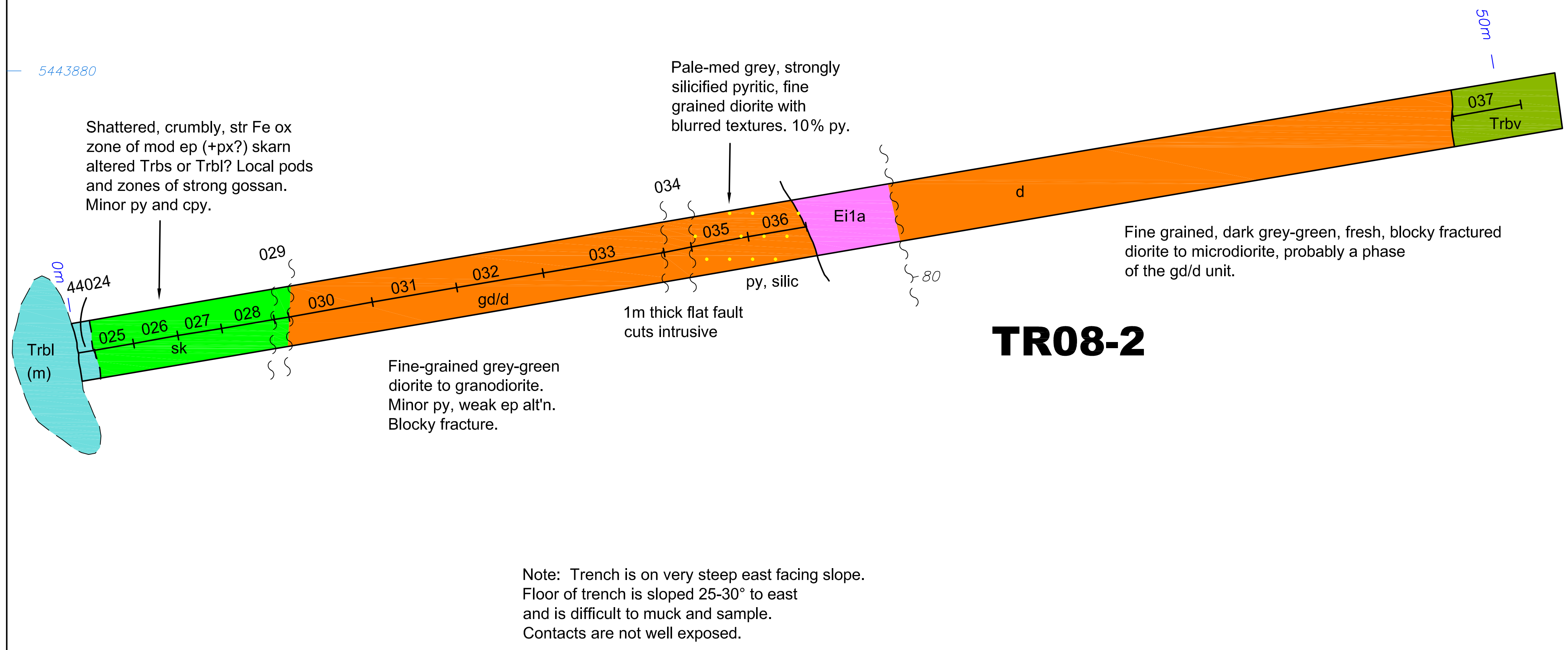
Trbl Brooklyn limestone. Typically a massive white to grey, locally well bedded fine grained limestone with common minor interbedded calcareous sandstone. Locally contains abundant sand to pebble sized chert grains. Where these are chert pebbles are large and abundant, this unit becomes Trbl(jb) the "jelly bean conglomerate". Locally dark grey carbonaceous limestone, coarsely crystalline marble (Trbl(m), coarse limestone breccia (Trbl (bx)) or siliceous pastel lime hornfels or cherty limestone (Trbl(c)).

Trbs Brooklyn sediments. Includes (+/- tuffaceous) sandstone, siltstone, hornfels and minor chert. May be siliceous, variably strongly calcareous to non-calcareous, may be massive or well bedded. Can contain narrow limestone interbeds.

Trbbx Brooklyn conglomerate. Chert breccia (sharpstone conglomerate), tuffaceous sandstone and polymictic (+limestone cobble) conglomerate.

Trba Brooklyn argillite and black siltstone.

skarn	ep	epidote	gal	galena	
argillic alteration	px	pyroxene	mal	malachite	
silicified	gar	garnet			
quartz or intense silicification	hem	hematite			
massive or semi-massive sulfides	cc	calcite			
strike/dip of bedding/contact	po	pyrrhotite		pit	
strike/dip of jointing/foliation	py	pyrite		adit	
fault - high angle or unknown	cpy	chalcopyrite		shaft	
fault - low angle	sphal	sphalerite		diamond drill hole	
contact - defined, assumed or unknown					



5443860

387650 387700

NAD 83, Zone 11

KETTLE RIVER RESOURCES LTD.

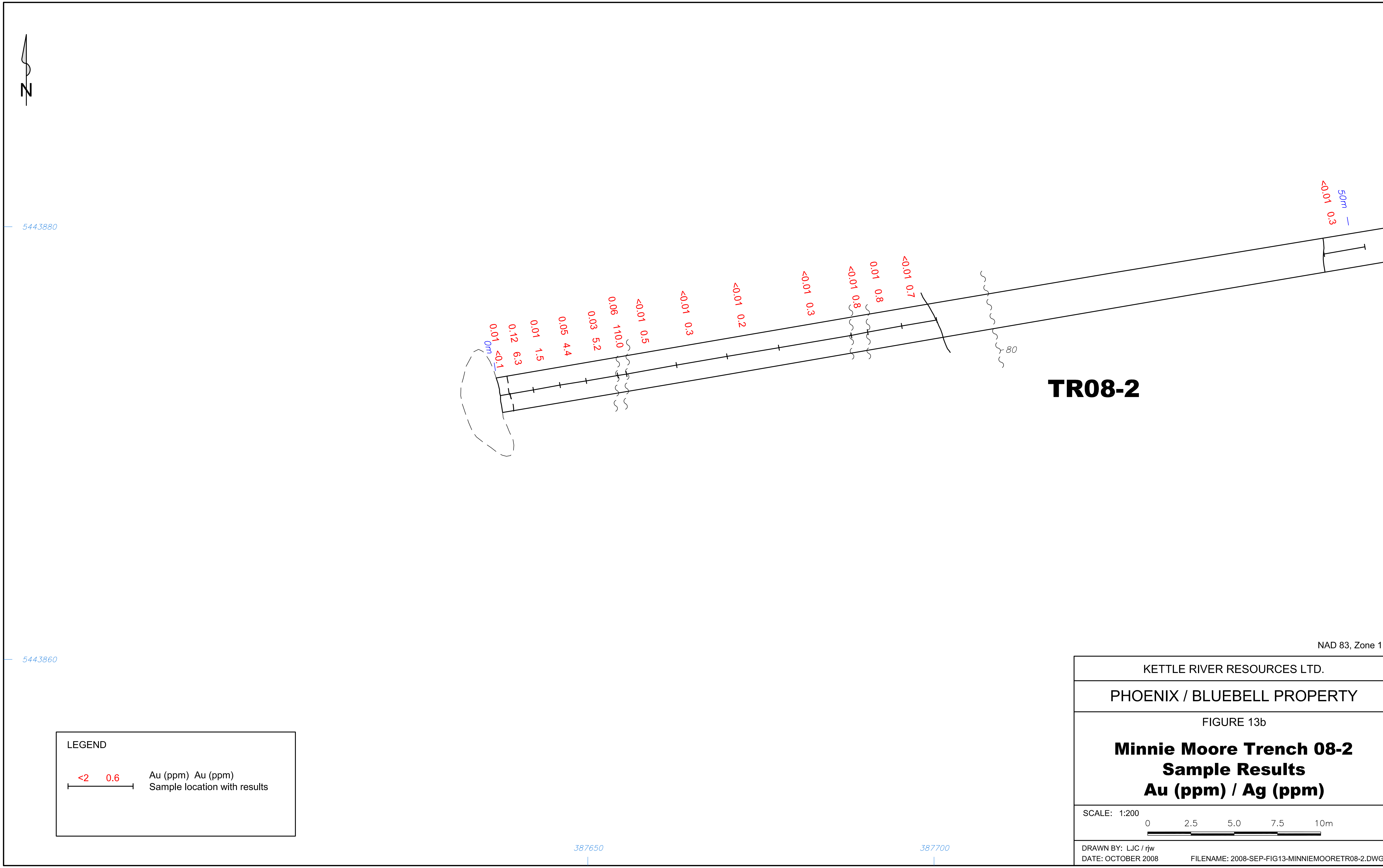
PHOENIX / BLUEBELL PROPERTY

FIGURE 13a

Minnie Moore Trench 08-2 Trench Geology & Sample Locations

SCALE: 1:200
0 2.5 5.0 7.5 10m

DRAWN BY: LJC / rjw
DATE: OCTOBER 2008
FILENAME: 2008-SEP-FIG13-MINNIEMOORETR08-2.DWG



LEGEND

<2 0.6 Au (ppm) Au (ppm)
Sample location with results

KETTLE RIVER RESOURCES LTD.

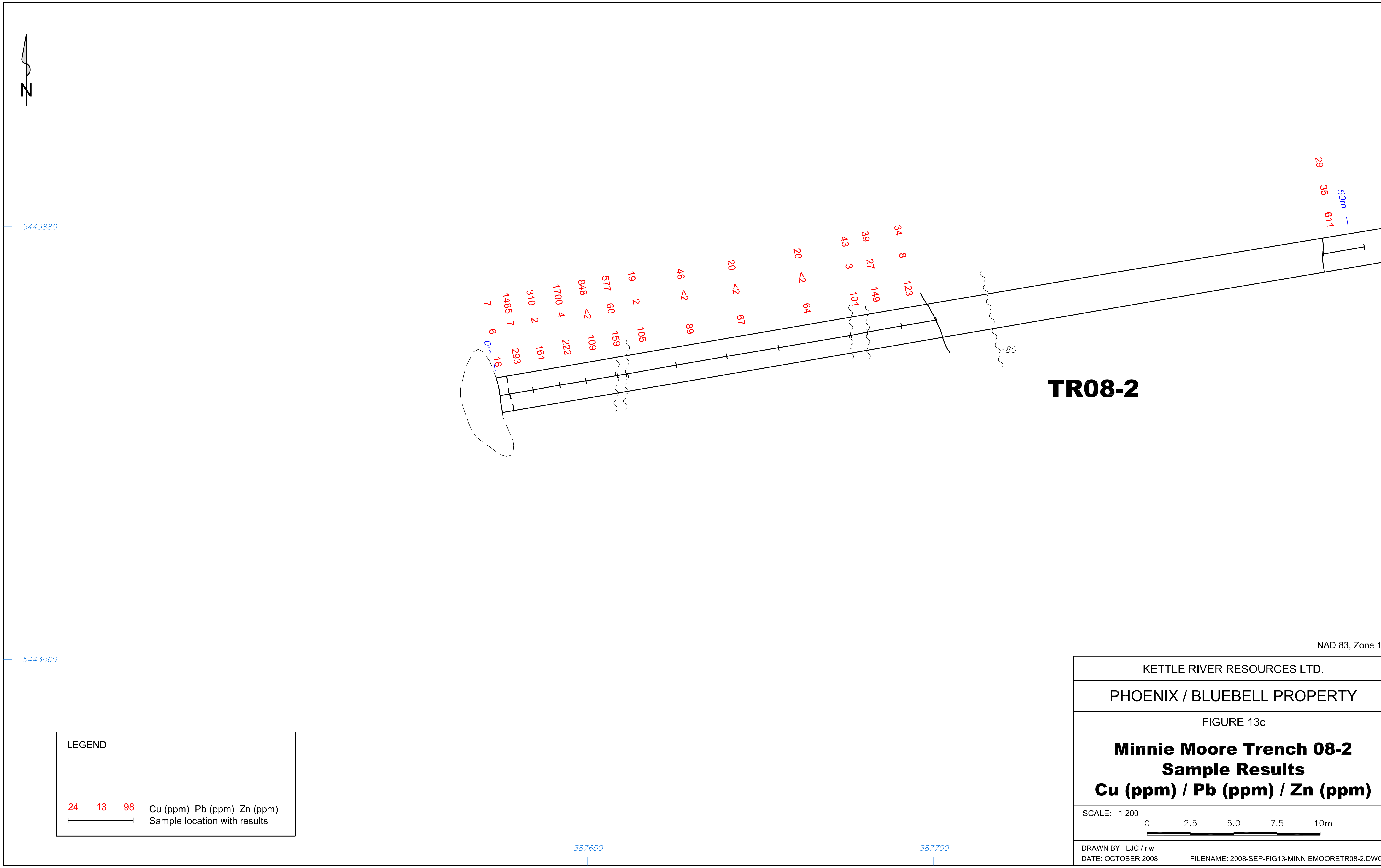
PHOENIX / BLUEBELL PROPERTY

FIGURE 13b

Minnie Moore Trench 08-2
Sample Results
Au (ppm) / Ag (ppm)

SCALE: 1:200
0 2.5 5.0 7.5 10m

DRAWN BY: LJC / rjw
DATE: OCTOBER 2008
FILENAME: 2008-SEP-FIG13-MINNIEMOORETR08-2.DWG



NAD 83, Zone 11

KETTLE RIVER RESOURCES LTD.

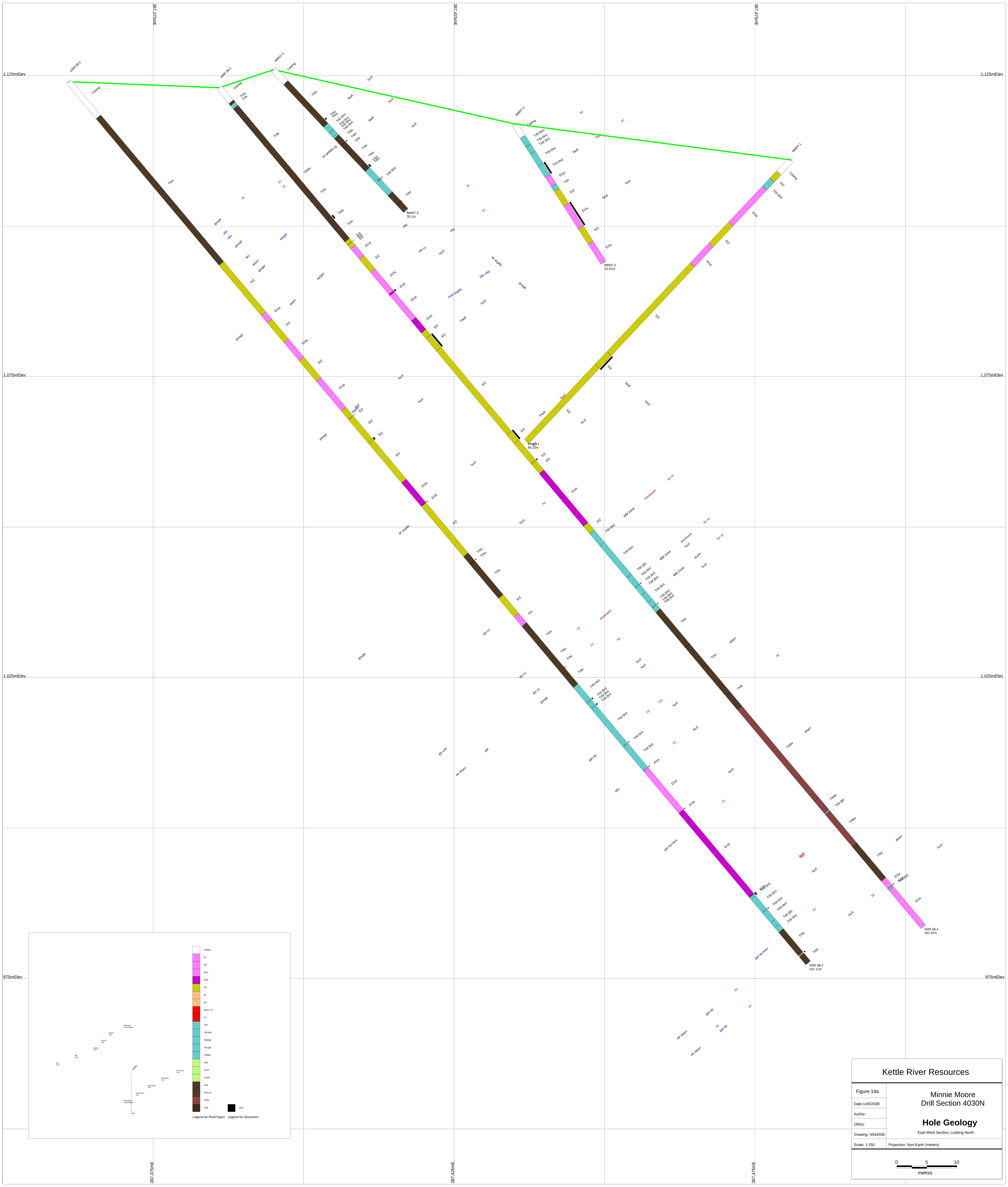
PHOENIX / BLUEBELL PROPERTY

FIGURE 13c

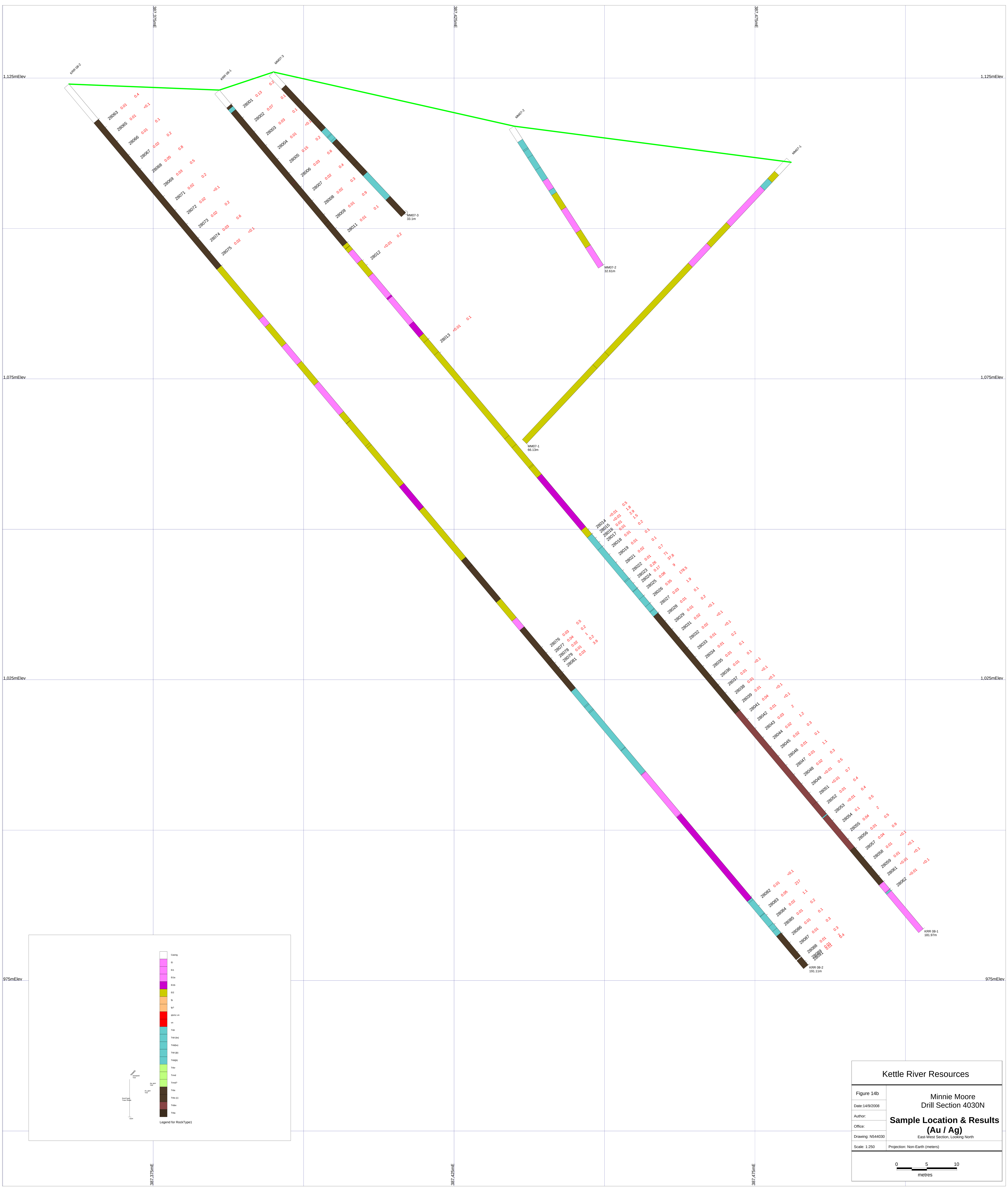
Minnie Moore Trench 08-2
Sample Results
Cu (ppm) / Pb (ppm) / Zn (ppm)

SCALE: 1:200
0 2.5 5.0 7.5 10m

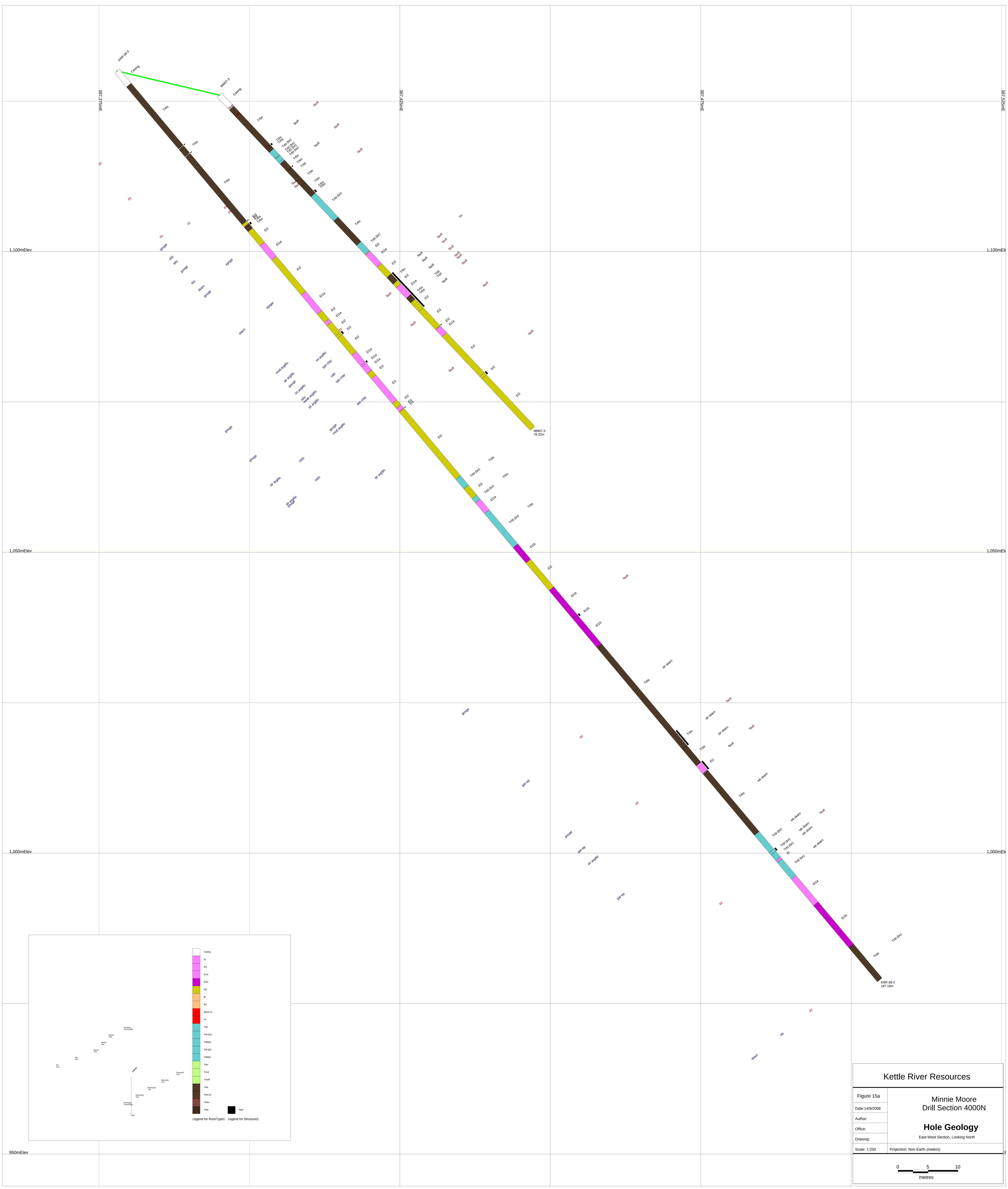
DRAWN BY: LJC / rjw
DATE: OCTOBER 2008
FILENAME: 2008-SEP-FIG13-MINNIEMOORETR08-2.DWG



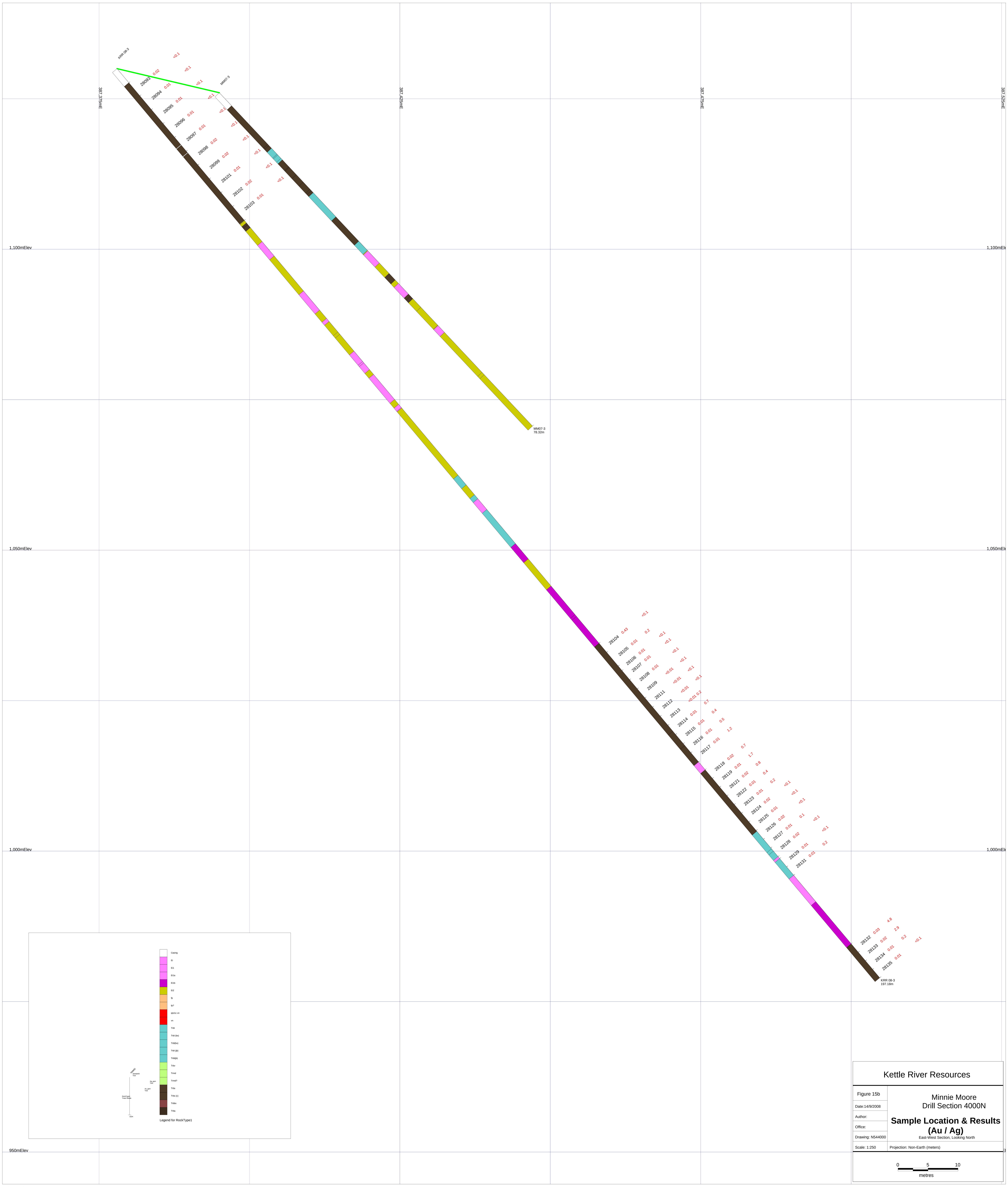
Scale 1:250
Section Origin (top left)
387,350 m E
5,444,030 m N
1,150.207567 m RL
Orientation 90.0 deg



Scale 1:250
Section Origin (top left)
387,350 m E
5,444,030 m N
1,150.207567 m RL
Orientation 90.0 deg



Scale 1:250
Section Origin (top left)
387,350 m E
5,444,000 m N
1,140.160791 m RL
Orientation 90.0 deg



Kettle River Resources

Figure 15b

Date:14/9/2008

Author:

Office:

Drawing: N544000

Scale: 1:250

Minnie Moore
Drill Section 4000N

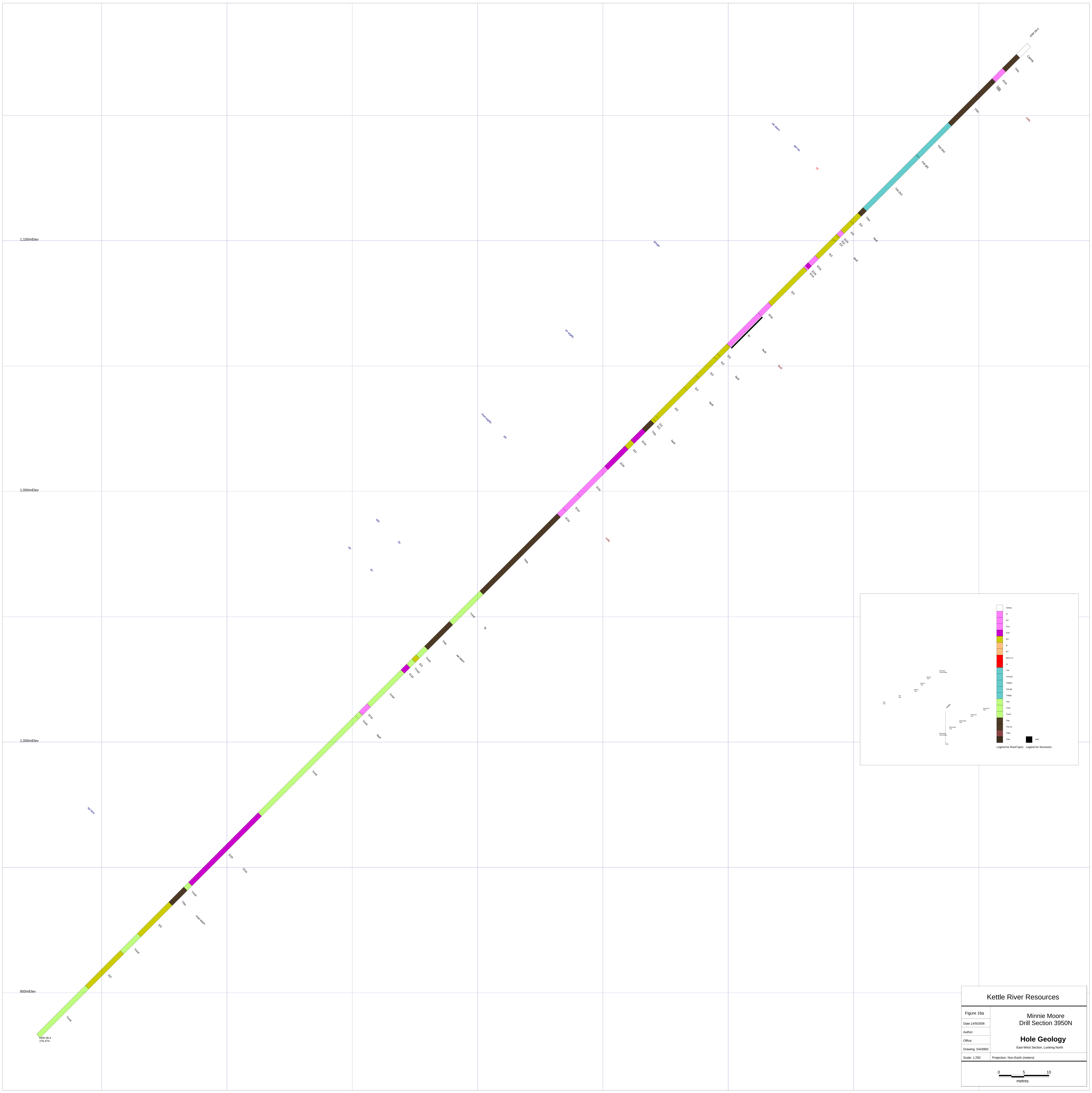
Sample Location & Results (Au / Ag)

East-West Section, Looking North

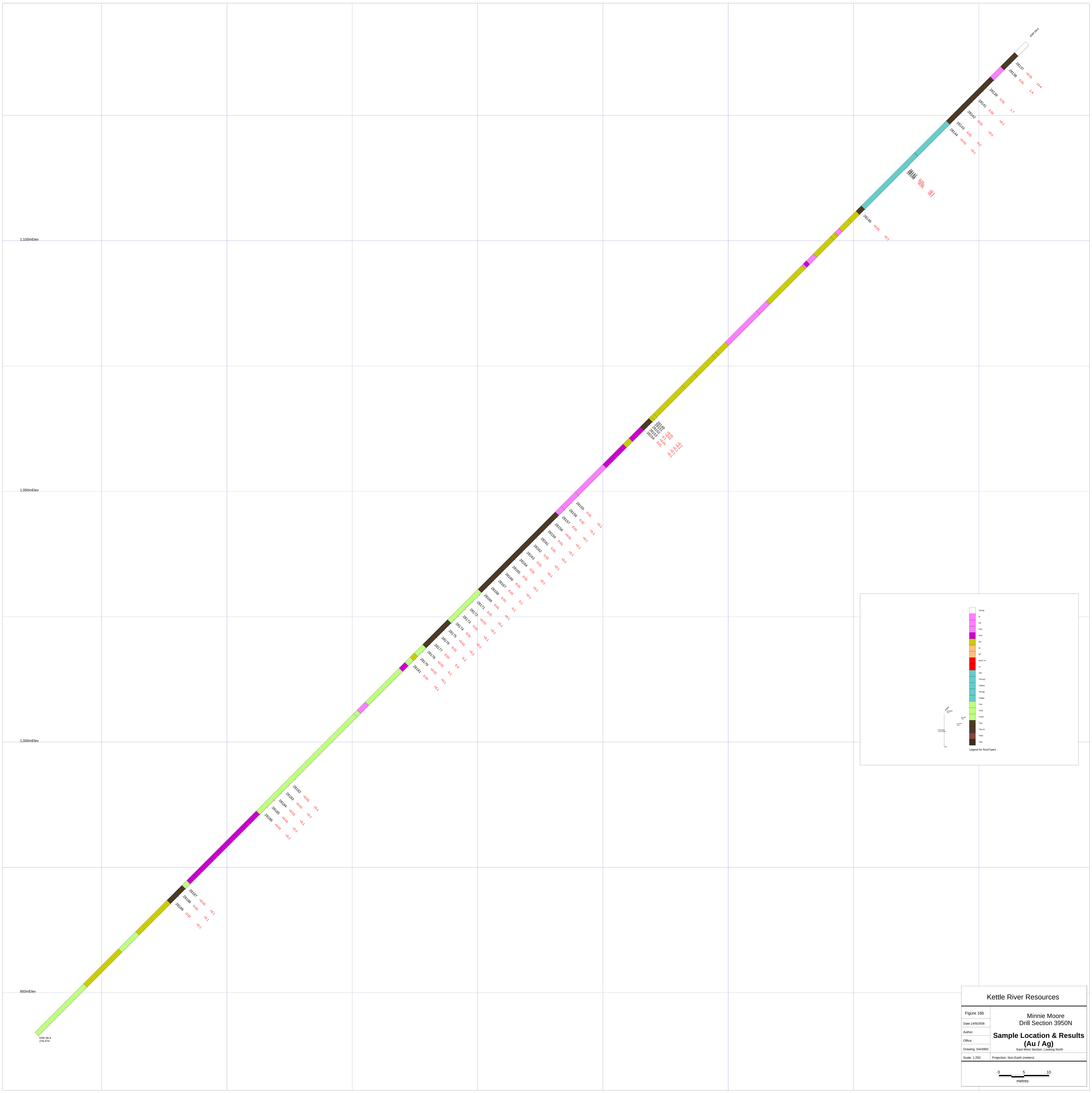
Projection: Non-Earth (meters)

0 5 10
metres

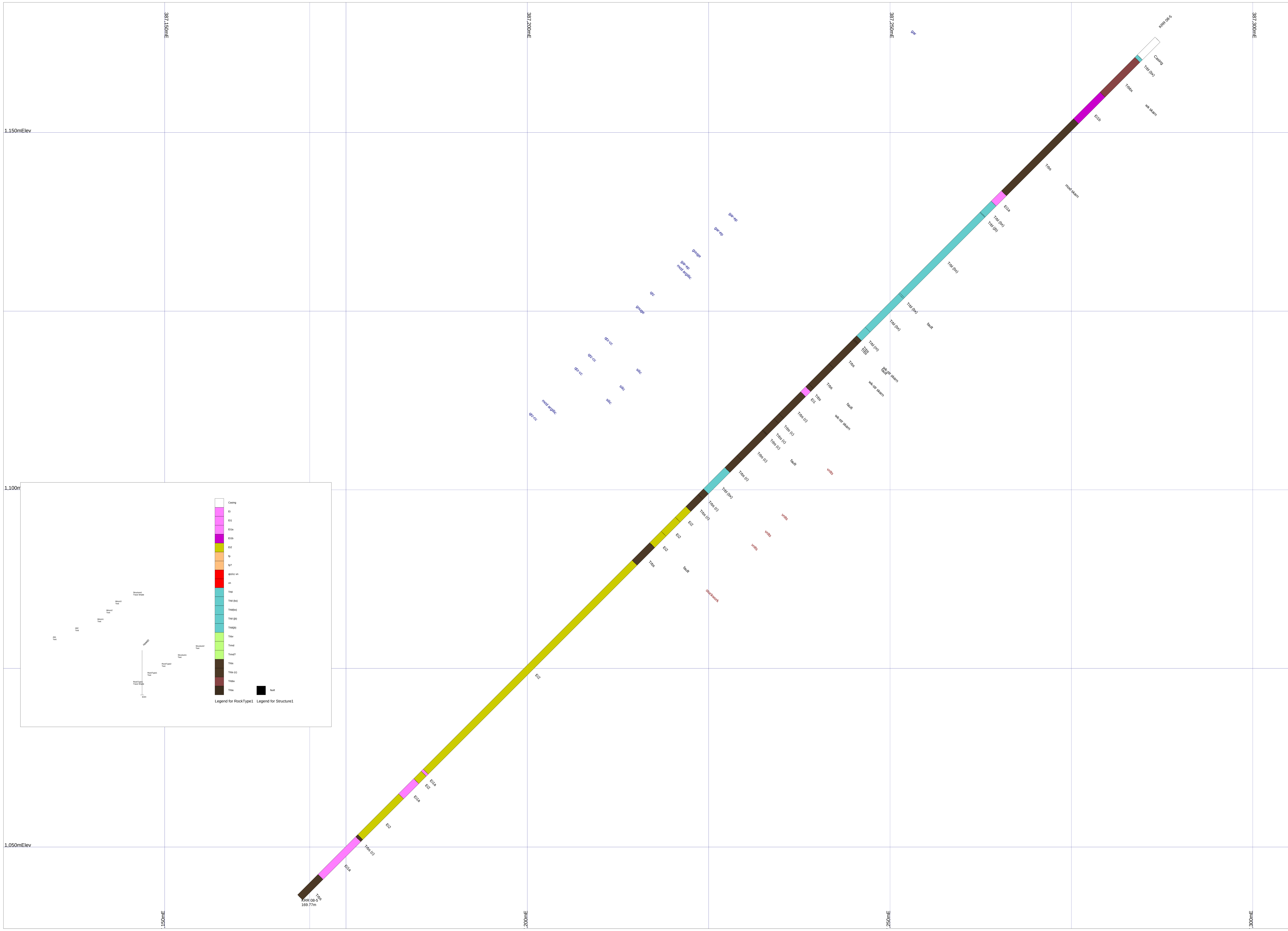
Scale 1:250
Section Origin (top left)
387,350 m E
5,444,000 m N
1,140.160791 m RL
Orientation 90.0 deg



Scale 1:250
Section Origin (top left)
387,350 m E
5,443,950 m N
1,153.041647 m RL
Orientation 90.0 deg



Scale 1:250
Section Origin (top left)
387,350 m E
5,443,950 m N
1,153.041647 m RL
Orientation 90.0 deg

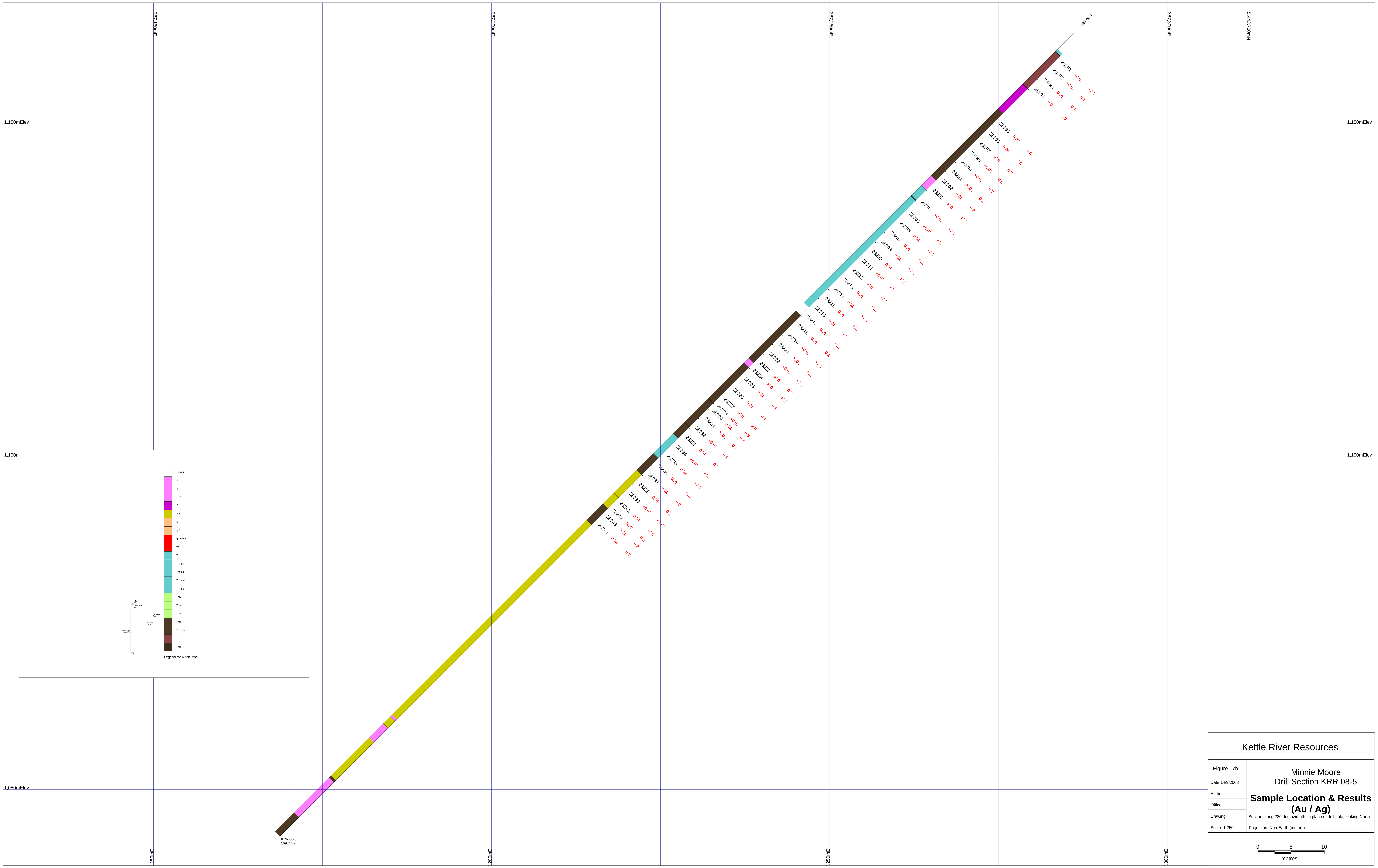


Kettle River Resources

Figure 17a	Minnie Moore Drill Section KRR 08-5 **Hole Geology**
Date:14/9/2008	
Author:	
Office:	
Drawing:	Section along 280 deg azimuth, in plane of drill hole, looking North
Scale: 1:250	Projection: Non-Earth (meters)

0 5 10
metres

Scale 1:250
Section Origin (top left)
387,231.01 m E
5,443,714.24 m N
1,167.023012 m RL
Orientation 100.0 deg



Scale 1:250
Section Origin (top left)
387,231.01 m E
5,443,714.24 m N
1,167.023012 m RL
Orientation 100.0 deg

KETTLE RIVER RESOURCES LTD.

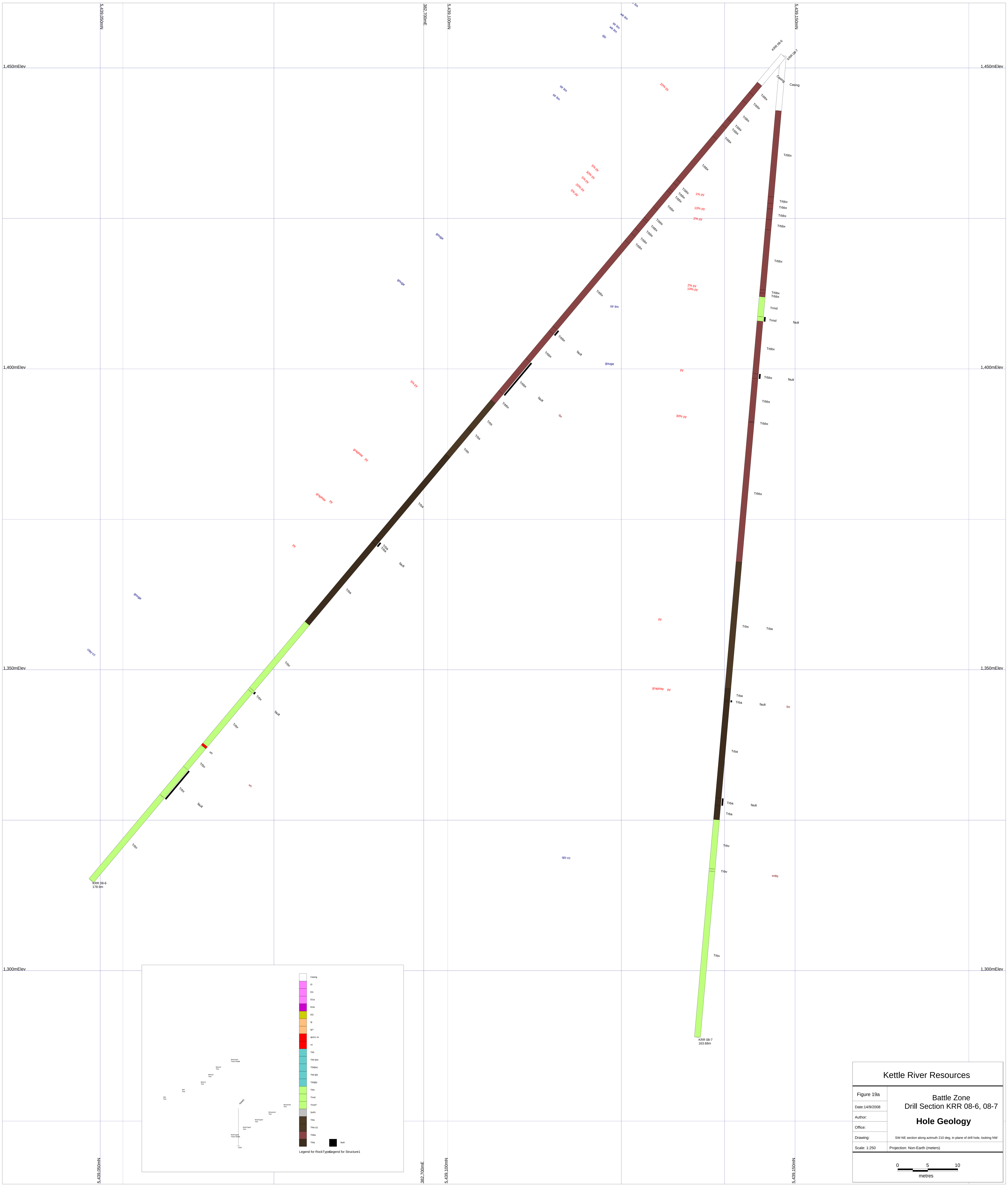
Figure 18

Battle and Stemwinder Zones Drill Hole Locations

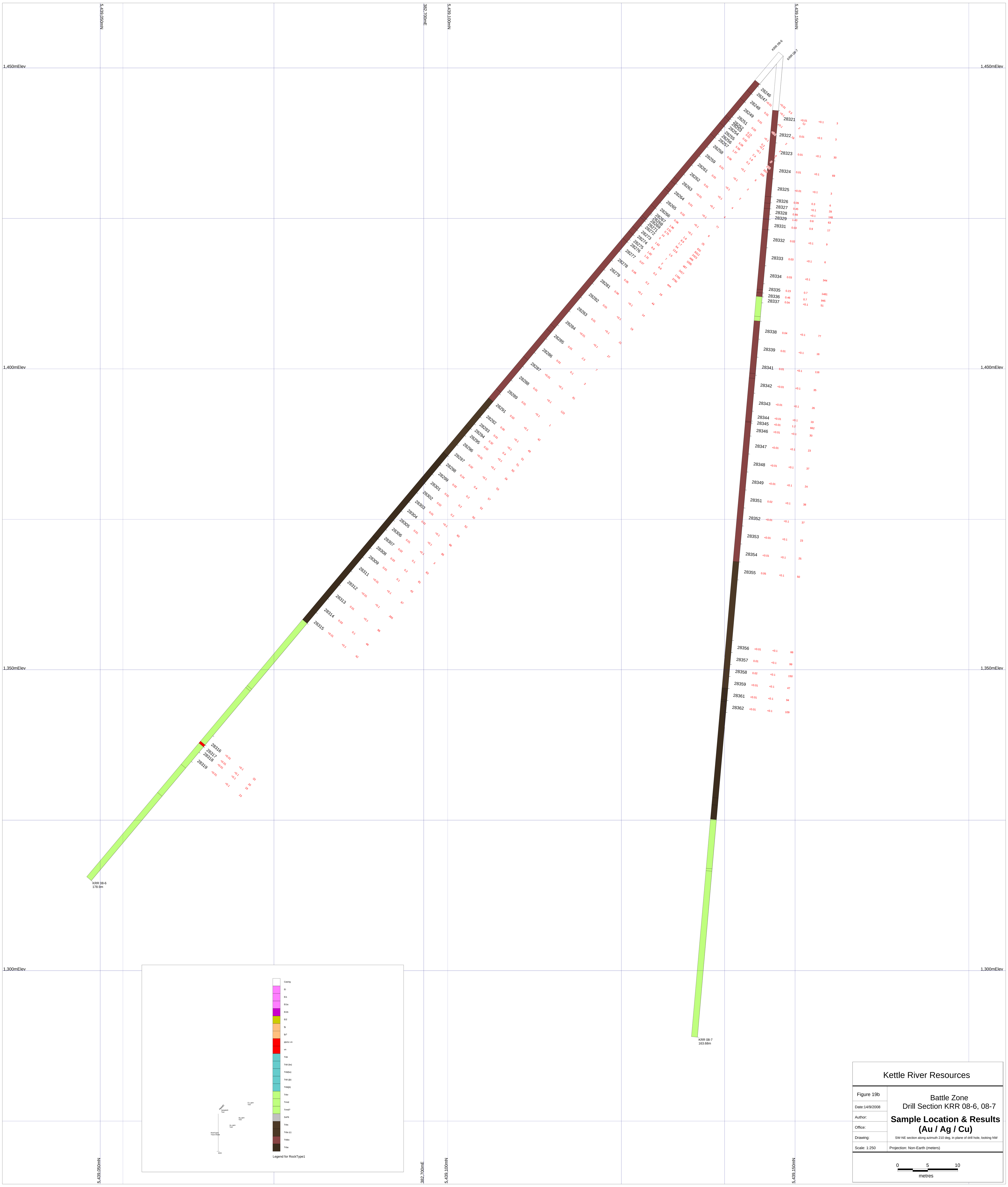
SCALE: 1:5000

WORKSPACE: Fig18-Battle-Stemwinder-ddh.wor

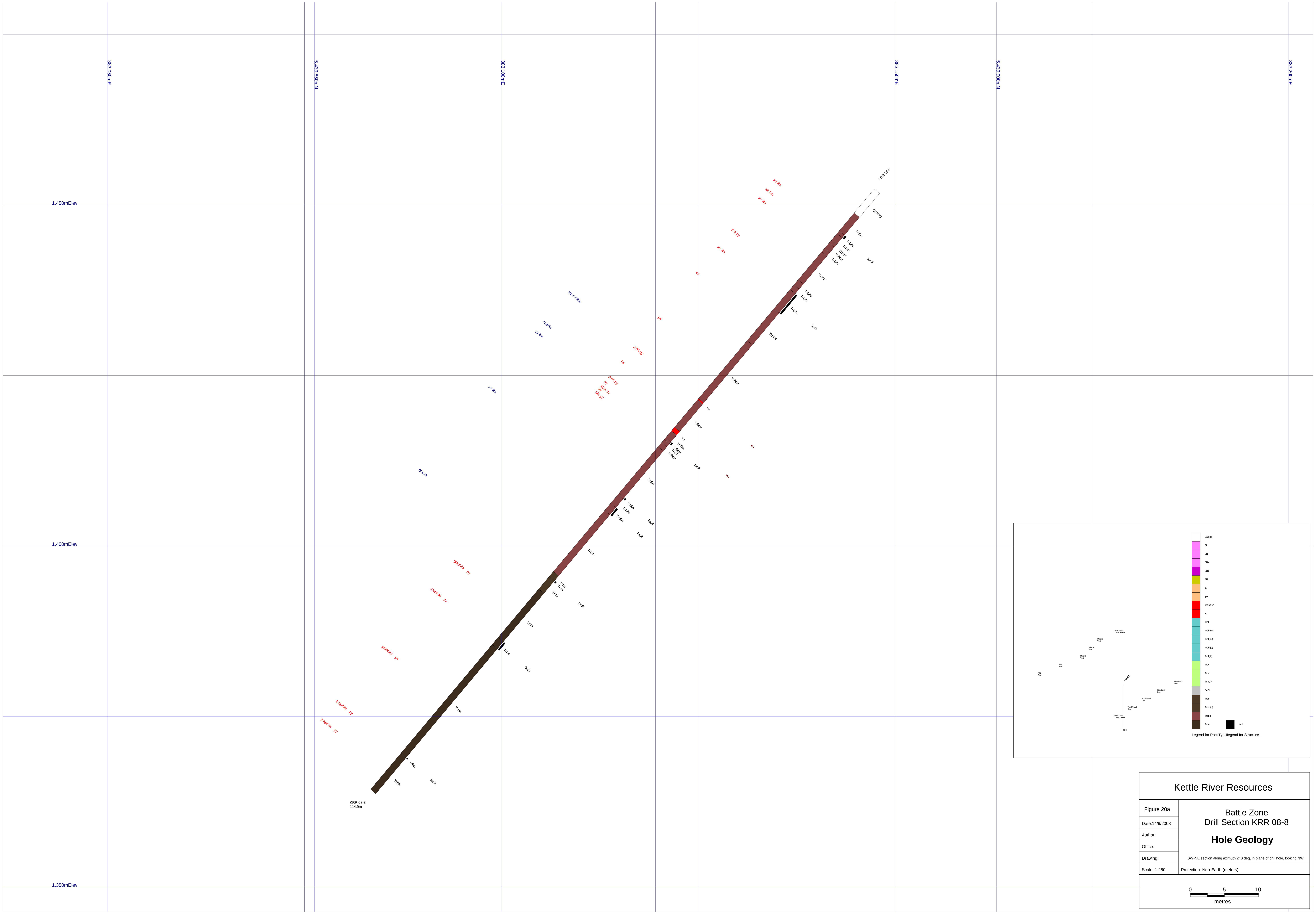
DATE: September 2008



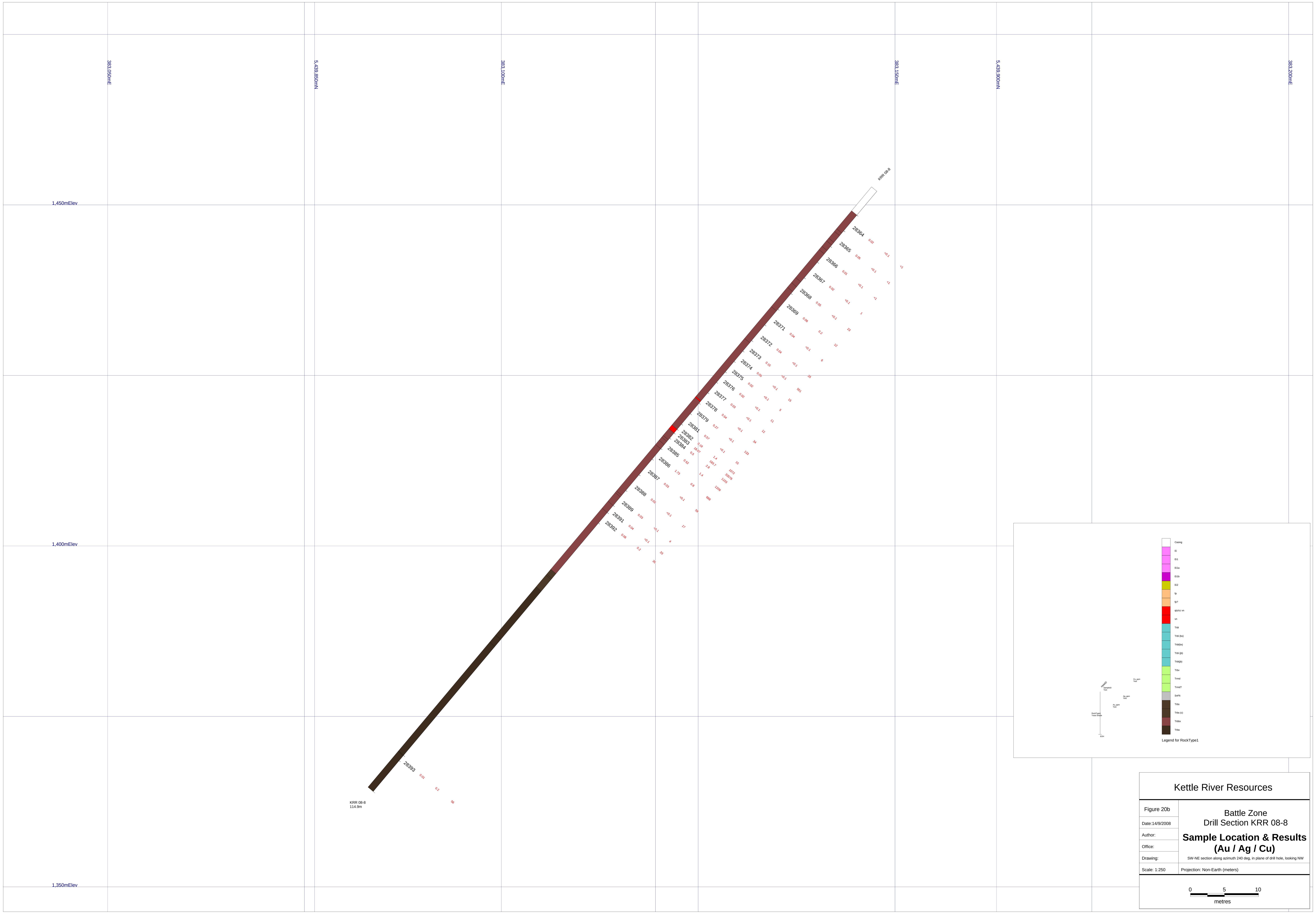
Scale 1:250
Section Origin (top left)
383,080.62 m E
5,439,755.81 m N
1,482.6542 m RL
Orientation 30.0 deg



Scale 1:250
Section Origin (top left)
383,080.62 m E
5,439,755.81 m N
1,482.6542 m RL
Orientation 30.0 deg



Scale 1:250
Section Origin (top left)
383,164.36 m E
5,439,900.85 m N
1,496.405621 m RL
Orientation 60.0 deg

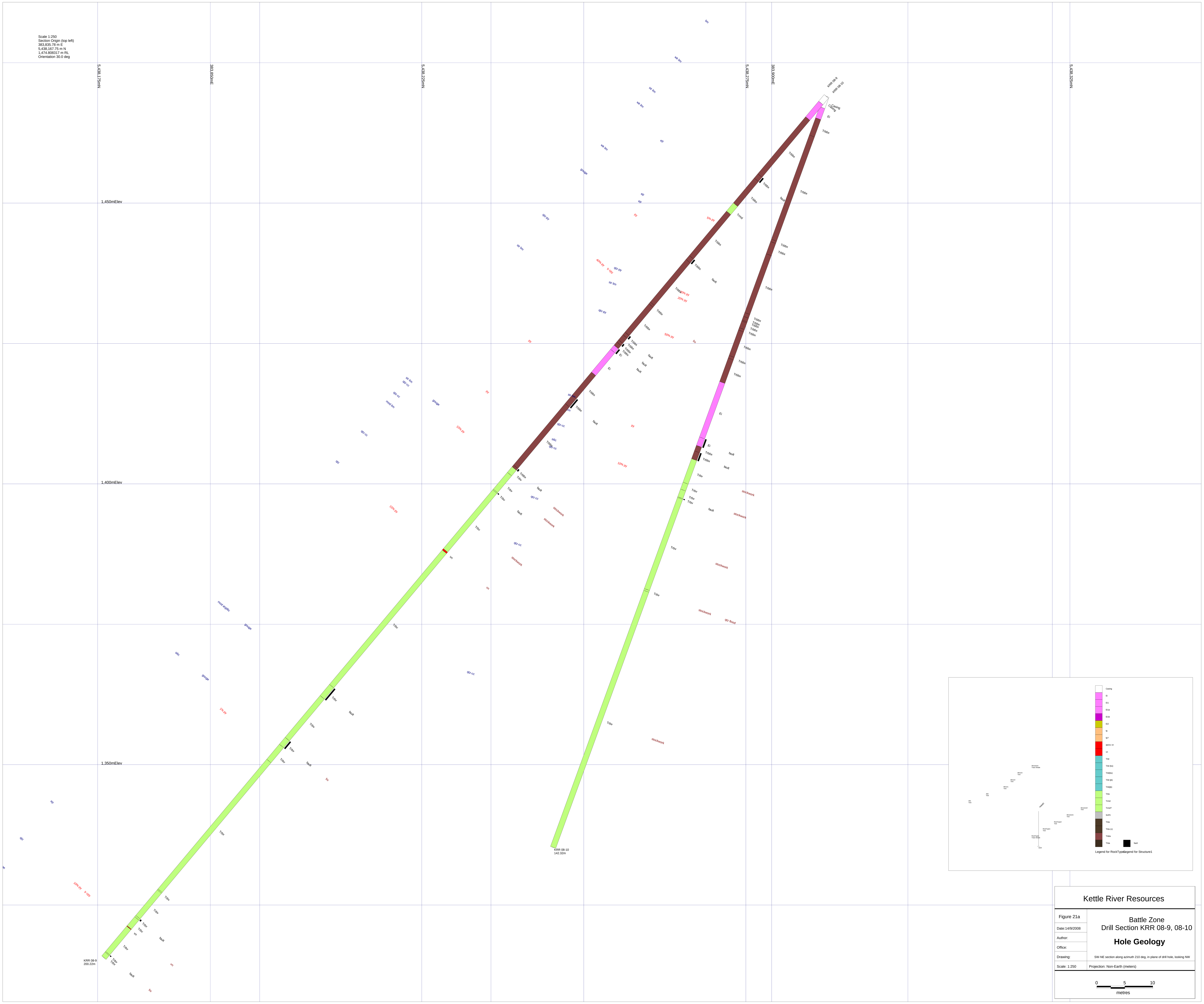


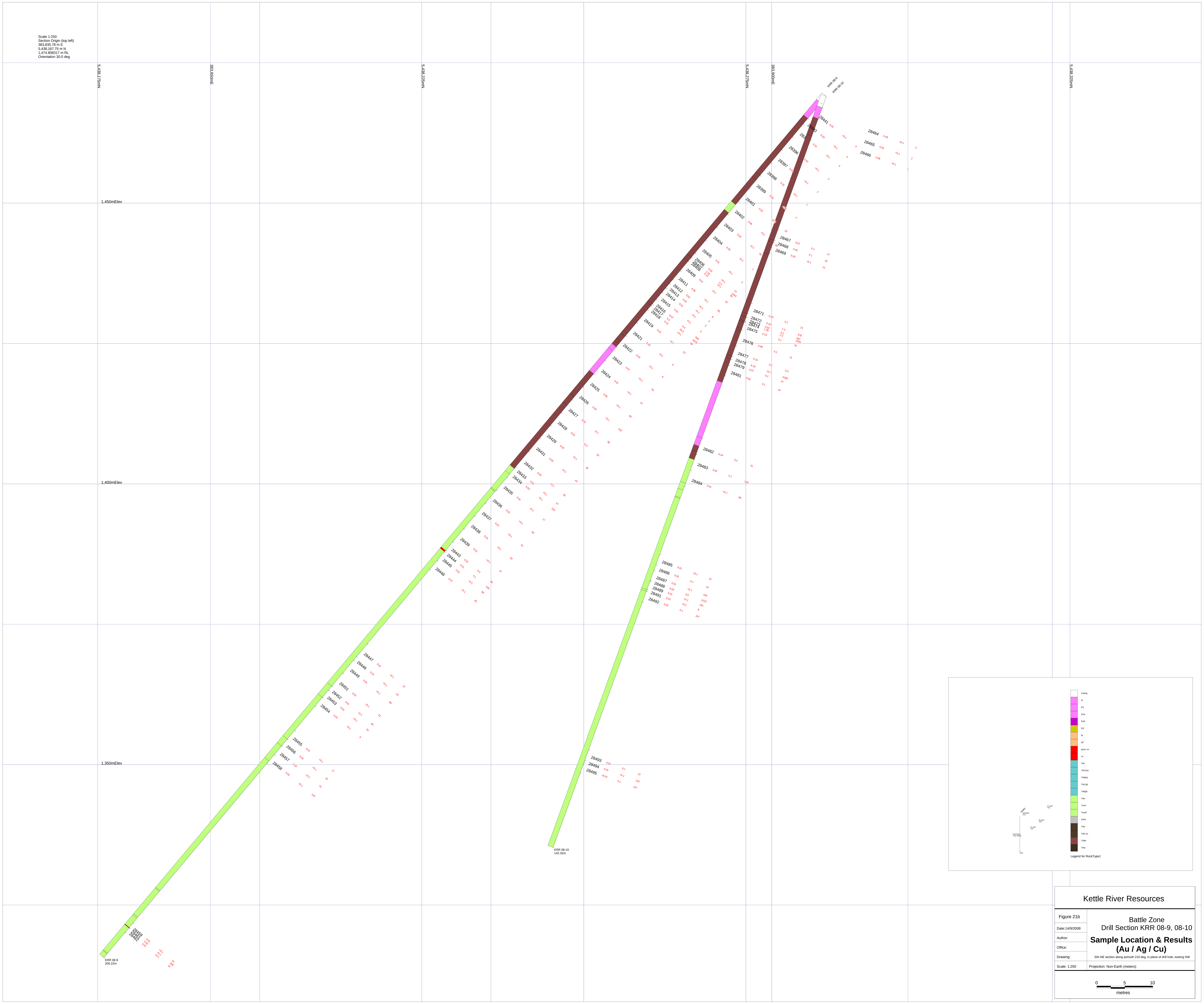
Kettle River Resources

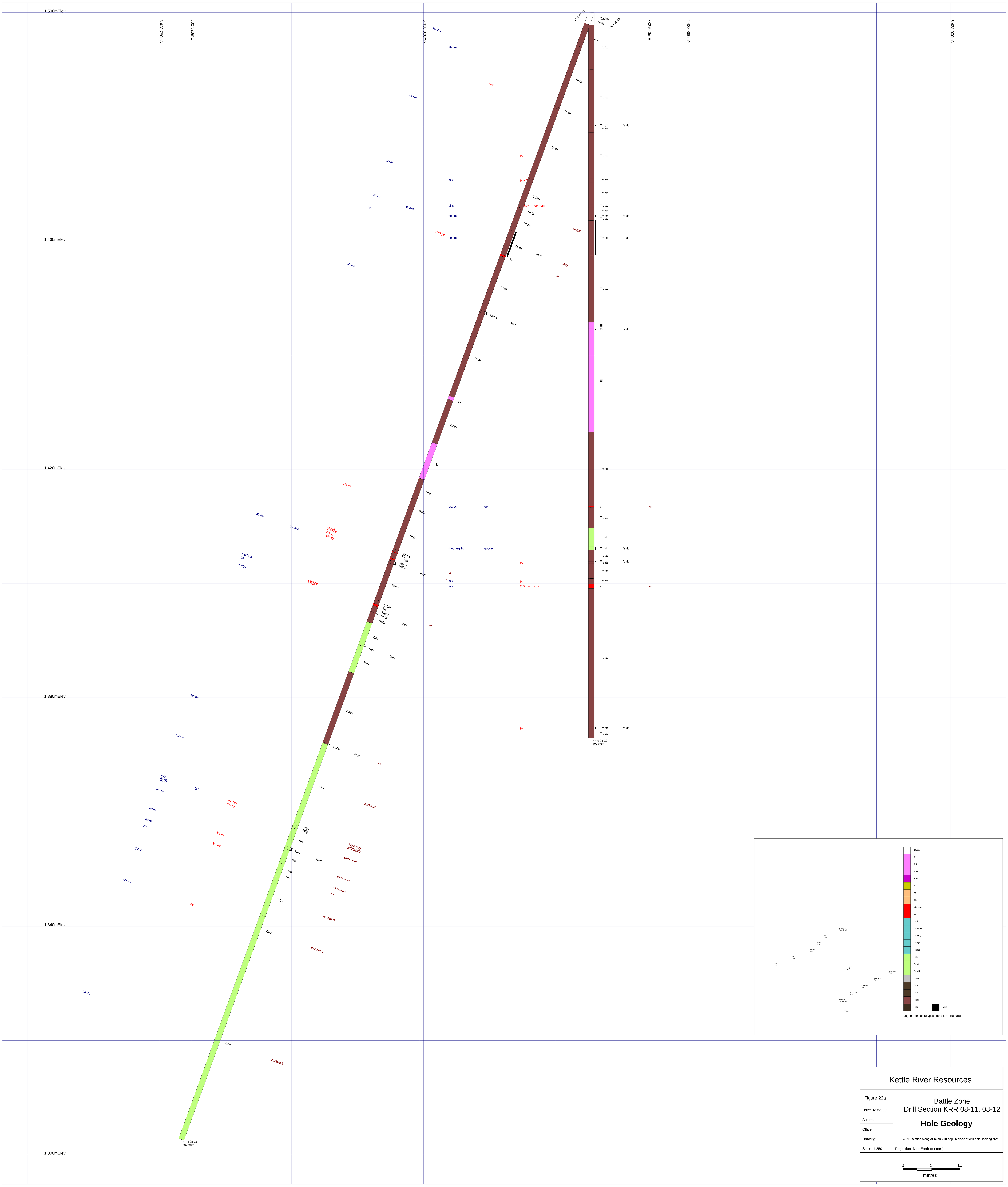
Figure 20b	Battle Zone Drill Section KRR 08-8 **Sample Location & Results (Au / Ag / Cu)**
Date:14/9/2008	
Author:	
Office:	
Drawing:	SW-NE section along azimuth 240 deg, in plane of drill hole, looking NW
Scale: 1:250	Projection: Non-Earth (meters)

0 5 10
metres

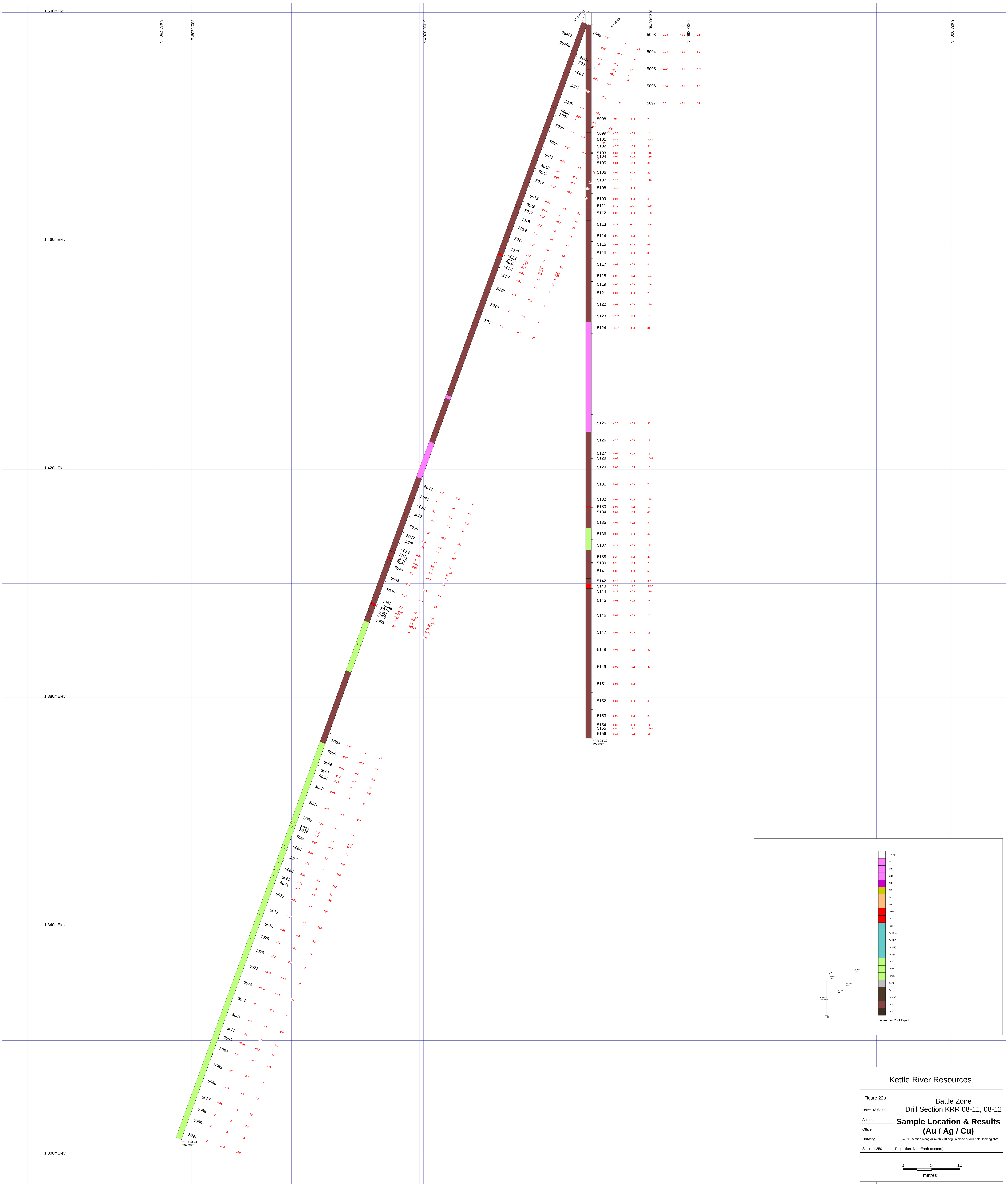
Scale 1:250
Section Origin (top left)
383,164.36 m E
5,439,900.85 m N
1,496.405621 m RL
Orientation 60.0 deg


Scale 1:250
Section Origin (top left)
383,835.78 m E
5,438,167.75 m N
1,474.808317 m RL
Orientation 30.0 deg
1,450mElev
1,400mElev
1,350mElev
KRR 08-9
200.22m
KRR 08-10
142.32m
Legend for RockType1
Legend for Structure1
fault
Kettle River Resources
Figure 21a
Date:14/9/2008
Author:
Office:
Drawing:
Battle Zone
Drill Section KRR 08-9, 08-10
Hole Geology
SW-NE section along azimuth 210 deg, in plane of drill hole, looking NW
Scale: 1:250
Projection: Non-Earth (meters)
0
5
10
metres

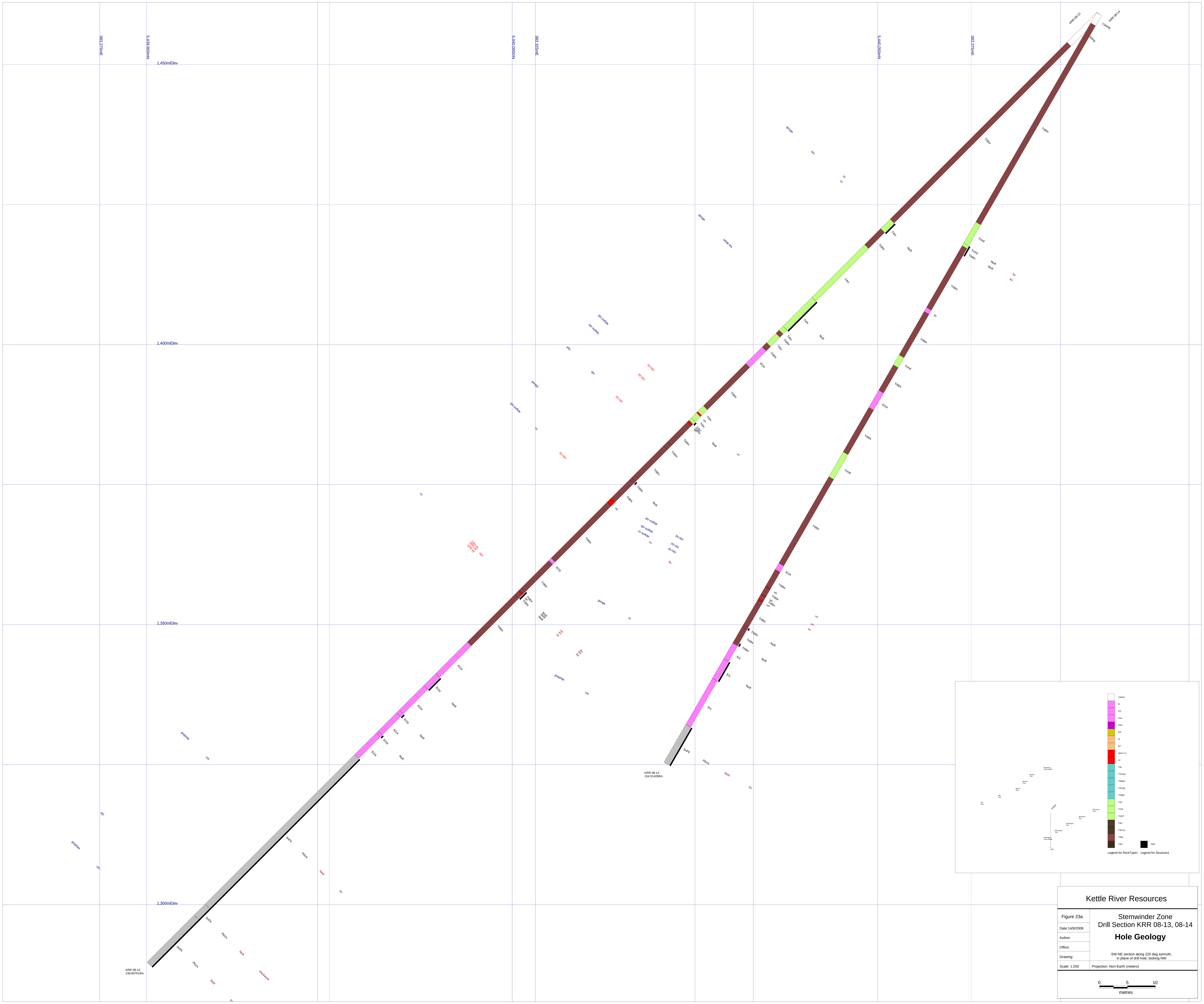

Scale 1:250
Section Origin (top left)
383,835.78 m E
5,438,167.75 m N
1,474.808317 m RL
Orientation 30.0 deg
5,438,175mN
383,850mE
5,438,225mN
5,438,275mN
383,900mE
5,438,325mN
1,450mElev
1,400mElev
1,350mElev
KRR 08-9
KRR 08-10
KRR 08-9
200.22m
KRR 08-10
142.32m
Legend for RockType1
Kettle River Resources
Figure 21b
Battle Zone
Drill Section KRR 08-9, 08-10
Date:14/9/2008
Author:
Office:
Drawing:
Sample Location & Results
(Au / Ag / Cu)
SW-NE section along azimuth 210 deg, in plane of drill hole, looking NW
Scale: 1:250
Projection: Non-Earth (meters)
0
5
10
metres



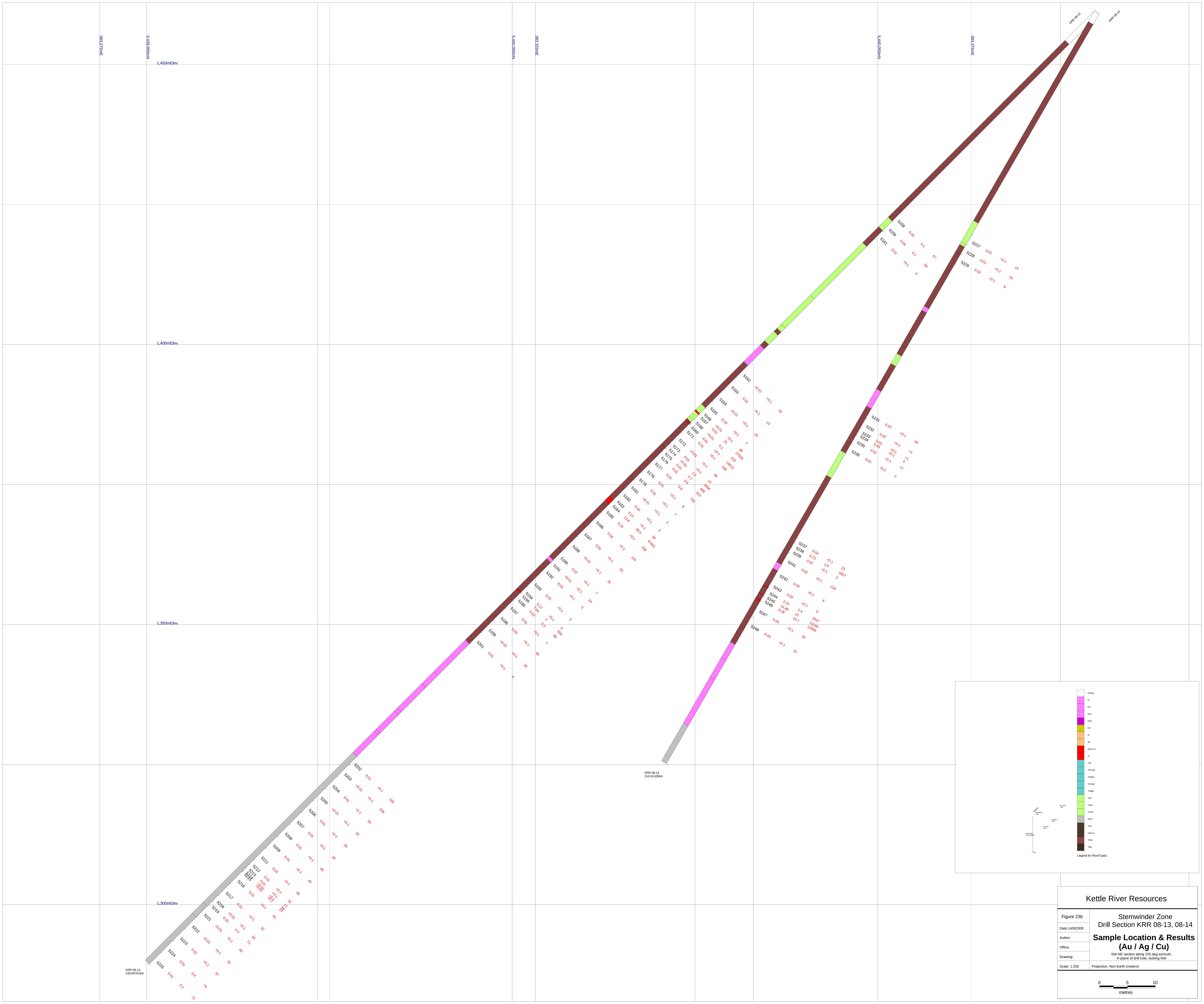
Scale 1:250
Section Origin (top left)
382,745.66 m E
5,439,175.65 m N
1,526.477751 m RL
Orientation 30.0 deg



Scale 1:250
Section Origin (top left)
382,745.66 m E
5,439,175.65 m N
1,526.477751 m RL
Orientation 30.0 deg



Scale 1:250
Section Origin (top left)
383,309.4 m E
5,439,984.59 m N
1,463.29177 m RL
Orientation 40.0 deg



Scale 1:250
Section Origin (top left)
383,309.4 m E
5,439,984.59 m N
1,463.29177 m RL
Orientation 40.0 deg