094909

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 34,800.00 / #2400.00

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

094909

Valerie.Neumeier

From: Valerie.Neumeier
Sent: Thursday, February 03, 2005 4:27 PM
To: 'gdavison@telus.net'
Subject: FW: 2003 GOAL Assesment Report

Hi Greg,

Sorry to have taken so long to follow up on this. I have no record of you providing the requested information regarding the location of the drill core storage location, can you please forward as soon as possible.

Regards,
Val

Valerie Neumeier
Mining Administration Officer
-----Original Message-----
From: Greg Davison [mailto:gdavison@telus.net]
Sent: Wednesday, October 27, 2004 1:48 PM
To: Valerie.Neumeier
Subject: Re: 2003 GOAL Assesment Report

Val

The 2003 and 2004 drill core is stored at the camp location. I will check the report re: identification of the storage location and will advise ASAP.

Regards

Greg

> ----- Original Message -----
> **From:** Valerie.Neumeier
> **To:** 'gdavison@telus.net'
> **Sent:** Wednesday, October 27, 2004 11:33 AM
> **Subject:** 2003 GOAL Assesment Report
>
> Good day,
>
> Reference is made to your e-mail exchange with Patti McLeod September 27/28, 2004. The revised title page and Certificates of Qualifications have been added to the report, and Figure 6 has identified the drill hole locations.
>
> We are still awaiting advice of the drill core storage location. If we have missed this information in the report please advise us where it is, if not, please provide the information as soon as possible.
>
> Thanks,
> Val
>
> Valerie Neumeier
> Mining Administration Officer
> Watson Lake Mining District
> Energy, Mines and Resources
> Phone: (867) 536-7366
> Fax: (867) 536 7842

Valerie.Neumeier

From: Valerie.Neumeier
Sent: Thursday, September 23, 2004 10:14 AM
To: 'gdavison@telus.net'
Subject: 2003 Regal Ridge Report

Hello Mr. Davison,

Our office received the 2003 Report on Field Activities on the GOAL and RS claims.

On page 3 of the report, the table of contents is incomplete; there is a title for Appendices, but they are not listed.

There is a Statement of Qualifications for yourself on page 48; a Statement of Qualifications is also required from the other co-authors of the report, William R. Rohtert GG and Bonnie Pemberton GIT.

Please provide the above information as soon as possible.

Regards,
Val

Valerie Neumeier
Mining Administration Officer
Watson Lake Mining District
Energy, Mines and Resources
Phone: (867) 536-7366
Fax: (867) 536 7842

Valerie.Neumeier

From: Greg Davison [gdavison@telus.net]
Sent: Thursday, September 23, 2004 1:30 PM
To: Valerie.Neumeier
Subject: Re: 2003 Regal Ridge Report

Valerie

I will forward a copy of the TOC ASAP. Sorry about the SoQ's; Bonnie had requested mine and I assumed the others were included. I will remedy both issues on Monday when I am returning from short vacation to the Vancouver office. Hope the rest of the report is OK. Please note that the work included was for the credits assigned to the GOAL claims only. I can forward a revised cover page as well.

Regards

Greg Davison

----- Original Message -----
From: Valerie.Neumeier
To: 'gdavison@telus.net'
Sent: Thursday, September 23, 2004 10:14 AM
Subject: 2003 Regal Ridge Report

Hello Mr. Davison,

Our office received the 2003 Report on Field Activities on the GOAL and RS claims.

On page 3 of the report, the table of contents is incomplete; there is a title for Appendices, but they are not listed.

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Please provide the above information as soon as possible.

Regards,
Val

Valerie Neumeier
Mining Administration Officer
Watson Lake Mining District
Energy, Mines and Resources
Phone: (867) 536-7366
Fax: (867) 536 7842

Valerie.Neumeier

From: gdavison@telus.net
Sent: Monday, September 13, 2004 3:23 PM
To: watsonmining@gov.yk.ca
ubject: GOAL Claim Assessment Report 2003

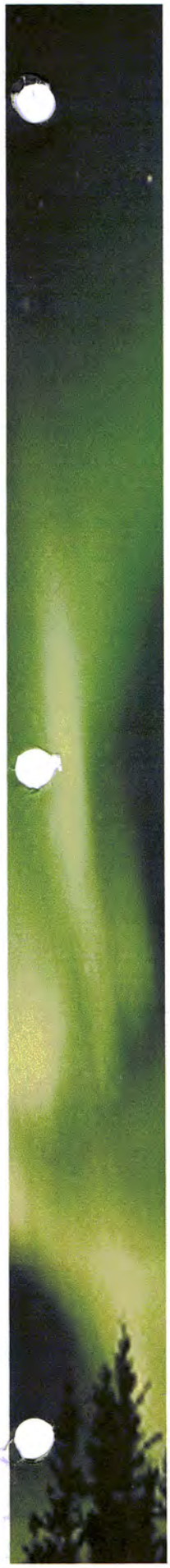
True North
s - Goal Claims

Patty:

Pls find attached copy of complete text and figures for 2003 Goal and RS claims assessment report. All of the hard copies with appendices, assay certificates and large maps are enroute by Wednesday through the courier system; pls advise when you have received the reports. Pls call or email me if there are any questions regarding any of our claims or reports.

Many thanks.

Greg Davison, P.Geo.
Project Manager
Tsa da Glisza Project
True North Gems Inc.
403-987-4212
250-368-1600 after Monday (weather permitting of course)



2003 Report on Field Activities on the Goal Claims, The Regal Ridge Project, Yukon Territory, Canada

Regal Ridge Claims

Claim Group	Claim Number From	Claim Number To	Record Number From	Record Number To
Goal	204		YB70474	
Goal	213	230	YB76789	YB76806
Goal	233	250	YB76809	YB76826
Goal	252	270	YB76828	YB76846
Goal	283	303	YB77164	YB77184
Goal	304	319	YB76860	YB76875

Mining Division: Watson Lake Mining District, Yukon Territory

NTS: 105G/7

Lat./Long.: *Latitude 61°20': Longitude 130°32'W*

Submitted by

J. Gregory Davison, P. Geo.,

William R. Rohtert, GG,

and Bonnie Pemberton, GIT

True North Gems Inc.

500-602 West Hastings Street

Vancouver, BC V6B 1P2

September 13, 2004

RECEIVED
SEP 21 2004
MINING RECORDER
WATSON LAKE, YT
GOVERNMENT OF YUKON

094909

Costs associated with this report have been approved in the amount of $ 37,200.00 for assessment credit under Certificate of Work No. QL25673 & QL25674

Mining Recorder
Watson Lake Mining District

008480

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SUMMARY

The Goal property is located in the southeastern Yukon at latitude 61°20° N and longitude 130° 32° W on NTS map sheets 105G/7 & 8; UTM 6785781 M. 429059 E, NAD 83, Zone 9 (Figure 1)and is composed of 93 contiguous, unpatented claims, and the RS property is composed of 12 contiguous, unpatented claims (located immediately adjacent to the Goal claims) registered with the Watson Lake Mining Recorder in the name of True North Gems Inc. The Properties cover an area of approximately 21.22 square kilometres. Claim registration data are listed in Table 1.

The Regal Ridge emerald showing was discovered on 24 August 1998 by William A. Wengzynowski, a geologist for Expatriate Resources Ltd. In 2000, True North Gems Inc. began work on the property under an option agreement with Expatriate, which eventually became a purchase agreement in 2002.

Emeralds occur within an area measuring 1,500 metres by 500 metres, through an elevation range of 200 metres, along the summit of Regal Ridge. True North drilled fourteen (14) holes totalling 630 metres in 2003. Overall, True North has completed nineteen diamond drill holes with a total depth of 1,048 metres. The drill holes trace multiple stacked sets of generally flat-lying emerald-bearing veins. To date, eight vein sets have been sampled at the surface for emerald mineralization, namely: 1) Discovery; 2) Gaboury; 3) Southwest; 4) Mattscar; 5) West; 6) Far West; 7) Airport; and, 8) Saddle. Five of these contained gemstone. Emeralds are present in quartz-tourmaline veins and in altered chlorite schist adjacent to the veins. Emeralds have also been recovered from aplite dikes that that are laterally contiguous with the veins. Regal Ridge is classified as a metamorphic hydrothermal emerald deposit.

The emerald occurrences correspond to a geochemical anomaly in rocks and soils, showing coincident enrichment in the suite: Be-Cu-W-Sn-F. To date, 1,430 soil geochemical samples have been collected at the Property. Using these samples, True North in 2003 identified four new geochemical anomalies with favourable trace elements in addition to the Summit zone. The new anomalies are generally similar in magnitude and scale, though notably lower in tungsten and copper.

In 2003, True North moved 2,682 tonnes during exploration trenching, and another 2,149 tonnes in underground development, all within the Summit zone on Regal Ridge. The Company collected a 987 tonne mini-bulk sample from the Southwest vein underground. The grade of rough emerald in the gem and near-gem fraction was 3.2 grams per tonne. The Company also collected a 960 tonne mini-bulk sample from the Mattscar vein at the surface. The grade of rough emerald in the gem and near-gem fraction was 4.2 grams per tonne. Collectively, from the mini-bulk samples taken from the emerald veins

sampled in the Summit zone to date, True North has recovered a total of 19.7 kilograms of total emerald, averaging 4 percent gem; 38 percent near-gem; and 58 percent non-gem.

The program proposed for True North in 2004 will include: 1) surface trenching of the high-grade emerald shoot (10 to 100 gram per tonne gem plus near-gem) discovered along the Southwest vein; 2) surface trenching of rock and soil geochemical anomalies in Be-Cu-W-Sn-F; 3) diamond core drilling a picket-line grid for 1,500 metres along the Summit of Regal Ridge; 4) wash-plant upgrades and modifications to achieve 50 tpd operating efficiency; and, 5) processing emerald mineralization in stockpiles remaining from the 2003 program. Additional underground exploration would be results driven.

INTRODUCTION AND TERMS OF REFERENCE

This report will present and discuss the results to date of the exploration for emerald at Regal Ridge, including details of 2003 soil sampling, trenching, diamond drilling, and underground exploration, along with an initial evaluation of emerald yields.

The following objectives were set for the 2003 field season:

1. Construct a geochemical profile of the emerald veins and wall rocks located at the surface, encountered in drilling, and underground mining.
2. Extend the soil sampling grid in order to explore for geochemical anomalies similar to those known to accompany emerald at the historic discovery on Regal Ridge.
3. Test by means of shallow trenches various rock and soil geochemical anomalies detected prior to, and during, the 2003 exploration program.
4. Continue diamond core drilling to delineate the trace of emerald veins underground in the vicinity of the high-grade Southwest vein mini-bulk sample collected from surface in 2002.
5. Drive a short adit into the centre of the core drilling array and collect a mini-bulk sample from emerald mineralization encountered in the Southwest vein underground.
6. Collect a mini-bulk sample from trenches where the mineralized vein sets encountered underground project to the surface in the vicinity of the Mattscar zone found in 2002.
7. Continue infrastructure development, including expansion and upgrade of the camp and construction of an airstrip.

The exploration program proposed for 2004 includes further soil sampling, trenching, diamond drilling, and if a suitable target can be found, further underground development.

The report utilizes the standard vocabulary of economic geology and commercial gemmology. We practice the industry convention of reporting all rough in grams, and all polished in carats. Rough is sorted; polished is graded. Either can be valued. Manufacture refers to the working of rough into polished; fabrication refers to the mounting of polished into jewellery. Emerald grades are reported in grams per tonne. The emerald population is split into three quality classes: gem (transparent); near-gem (translucent); and non-gem (opaque).

The authors have relied upon data, interpretation, and information supplied by others listed in the References. Chief among them are the Regal Ridge project files of Expatriate Resources Ltd. and True North Gems Inc. This data base is internally consistent, and withstands repeated inquiry along various lines of reasoning. Assumptions for extrapolation and hypothetical calculation are consistent with current standards in the coloured gemstone industry.

PROPERTY LOCATION AND DESCRIPTION

LOCATION

The Goal property is located in the southeastern Yukon at latitude 61°20° N and longitude 130° 32° W on NTS map sheets 105G/7; UTM 6785781 N, 429059 E, NAD 83, Zone 9 (Figure 1). Local elevations range from 1200 to 1800 metres.

The area covered in this report lies 42 kilometres south of the Robert Campbell Highway and 230 kilometres northeast of Whitehorse in the Pelly Mountains, southeastern Yukon. There is a private, all weather access road from the Robert Campbell Highway at Finlayson Lake south to the Kudz Ze Kayah base and precious metal deposit.

CLAIM DESCRIPTION

The Goal property is composed of 93 contiguous, unpatented claims, and the RS property is composed of 12 contiguous, unpatented claims (located immediately adjacent to the Goal claims), registered with the Watson Lake Mining Recorder in the name of True North Gems Inc. Together, the claims cover an area of approximately 21.22 square kilometres. Claim registration data is listed in Table 1. In its present state, the property is defined by claim post locations, but has not been the subject of a legal boundary survey.

CURRENT AGREEMENTS, ROYALTIES AND ENCUMBRANCES

True North Gems entered into an option agreement with Expatriate Resources Ltd. ("**Expatriate**") on June 12, 2001, whereby Expatriate granted True North an option to earn a 50% interest in Regal Ridge. This agreement was replaced on March 7, 2002 with an acquisition agreement where Expatriate agreed to sell 100% interest in Regal Ridge to True North Gems. Expatriate still retains the rights to all precious and base metals that may be found on the Property.

PERMITS

True North's 2003 exploration program was completed under the provisions of a Class III Mining Land Use Permit (LQ00076), pursuant to the Yukon Quartz Mining Act, approved by the Mining Land Use Division of the Department of Indian Affairs and Northern Development, with an effective date of August 13, 2001 and an expiration date of August 12, 2006. The permit is subject to certain conditions

described in the approval document. There are no known environmental liabilities relating to Regal Ridge.

PROPERTY DESCRIPTION AND MINERAL TITLES

Table 1. Regal Ridge Claim Group

CLAIM GROUP	CLAIM NUMBER FROM	CLAIM NUMBER TO	NUMBER OF CLAIMS	RECORD NUMBER FROM	RECORD NUMBER TO	EXPIRY DATE	MINING DISTRICT
Goal	204		1	YB70474		17-March-17	Watson L.
Goal	213	230	18	YB76789	YB76806	17-March-17	Watson L.
Goal	233	250	18	YB76809	YB76826	17-March-17	Watson L.
Goal	252	270	19	YB76828	YB76846	17-March-17	Watson L.
Goal	283	303	21	YB77164	YB77184	17-March-17	Watson L.
Goal	304	319	16	YB76860	YB76875	17-March-17	Watson L.
RS	1	12	12	YC23346	YC23357	04-January-	Watson L.
TOTAL			**105**				

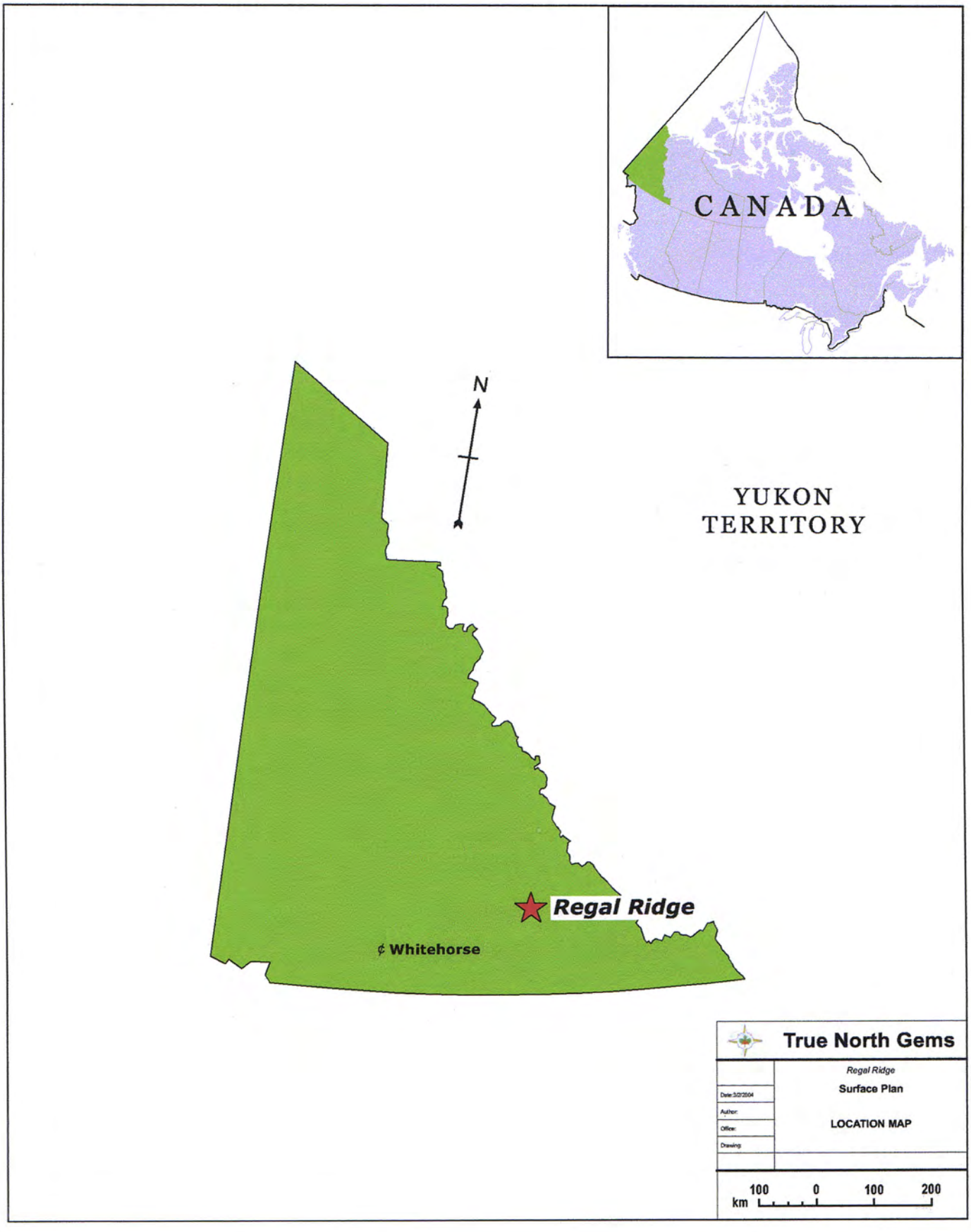

CANADA
N
YUKON
TERRITORY
Regal Ridge
¢ Whitehorse
True North Gems
Regal Ridge
Surface Plan
LOCATION MAP
Date:3/2/2004
Author:
Office:
Drawing:
100 0 100 200
km

Figure 1

True North Gems
Regal Ridge Project
Surface Plan
CLAIM LOCATIONS
Date: 7/9/2004
Author: B. Pemberton
Office:
Drawing:
Scale: 1:25000
Projection: UTM Zone 9 (NAD 83)
250 0 250 500
metres
N
MEG 105 YB93489
MEG 121 YB93505
MEG 108 YB93492
MEG 107 YB93491
6796000 mN
414000 mE
416000 mE
418000 mE
6794000 mN
6792000 mN
GOAL 205 YB70475
GOAL 204 YB70474
GOAL 302 YB77183
GOAL 303 YB77184
GOAL 300 YB77181
GOAL 301 YB77182
GOAL 298 YB77179
GOAL 299 YB77180
GOAL 296 YB77177
GOAL 297 YB77178
GOAL 294 YB77175
GOAL 295 YB77176
GOAL 292 YB77173
GOAL 293 YB77174
GOAL 290 YB77171
GOAL 291 YB77172
GOAL 288 YB77169
GOAL 289 YB77170
GOAL 286 YB77167
GOAL 287 YB77168
GOAL 284 YB77165
GOAL 285 YB77166
GOAL 283 YB77164
GOAL 211 YB76787
GOAL 212 YB76788
GOAL 231 YB76807
GOAL 232 YB76808
GOAL 213 YB76789
GOAL 251 YB76827
GOAL 214 YB76790
GOAL 252 YB76828
GOAL 233 YB76809
GOAL 234 YB76810
GOAL 215 YB76791
GOAL 253 YB76829
GOAL 216 YB76792
GOAL 254 YB76830
GOAL 235 YB76811
GOAL 236 YB76812
GOAL 217 YB76793
GOAL 255 YB76831
GOAL 218 YB76794
GOAL 256 YB76832
GOAL 237 YB76813
GOAL 238 YB76814
GOAL 219 YB76795
GOAL 257 YB76833
GOAL 220 YB76796
GOAL 258 YB76834
GOAL 239 YB76815
GOAL 240 YB76816
GOAL 221 YB76797
GOAL 259 YB76835
GOAL 222 YB76798
GOAL 260 YB76836
GOAL 241 YB76817
GOAL 242 YB76818
GOAL 223 YB76799
GOAL 261 YB76837
GOAL 224 YB76800
GOAL 262 YB76838
GOAL 243 YB76819
GOAL 244 YB76820
GOAL 225 YB76801
GOAL 263 YB76839
GOAL 226 YB76802
GOAL 264 YB76840
GOAL 245 YB76821
GOAL 265 YB76841
GOAL 246 YB76822
GOAL 266 YB76842
GOAL 227 YB76803
GOAL 247 YB76823
GOAL 228 YB76804
GOAL 267 YB76843
GOAL 248 YB76824
GOAL 268 YB76844
GOAL 229 YB76805
GOAL 249 YB76825
GOAL 230 YB76806
GOAL 269 YB76845
GOAL 250 YB76826
GOAL 270 YB76846
GOAL 137 YB70488
GOAL 141 YB70489
NET 188 YB70471
NET 200 YB70473
NET 197 YB70470
GOAL 282 YB76858
NET 199 YB70472
GOAL 281 YB76857
NET 140 YB63945
GOAL 278 YB76854
GOAL 280 YB76856
GOAL 277 YB76853
GOAL 279 YB76855
GOAL 274 YB76850
GOAL 276 YB76852
GOAL 275 YB76851
GOAL 318 YB76874
GOAL 319 YB76875
GOAL 316 YB76872
GOAL 317 YB76873
GOAL 314 YB76870
GOAL 315 YB76871
GOAL 312 YB76868
GOAL 313 YB76869
GOAL 310 YB76866
GOAL 311 YB76867
GOAL 308 YB76864
GOAL 309 YB76865
GOAL 306 YB76862
GOAL 307 YB76863
GOAL 304 YB76860
GOAL 305 YB76861
RS 12 YC23357
RS 8 YC23353
RS 6 YC23351
RS 5 23350
RS 4 YC23349
RS 3 YC23348
RS 2 YC23347
RS 1 YC23346
FIFE 39 YB94372
FIFE 20 YB94353
FIFE 38 YB94371
FIFE 48 YB94380
FIFE 37 YB94370
FIFE 19 YB94352
FIFE 18 YB94351
FIFE 17 YB94350
FIFE 36 YB94369
FIFE 40 YC22998
FIFE 47 YB94379
FIFE 46
EMBER 91 YB88898
EMBER 92 YB88899
EMBER 97 YB88904
EMBER 75
EMBER 74
EMBER 89
EMBER 90
STRAW YB936
11

Figure 2

ACCESS, LOCAL RESOURCES & INFRASTRUCTURE

Primary access to the Regal Ridge property is via helicopter from the Finlayson Lake airstrip to the camp site, or via fixed wing aircraft (Otter, Cessna 206) to the Regal Ridge airstrip. At the present time, no temporary or permanent road access has been established. As part of the 2003 exploration program, mechanized equipment and other supplies were expedited to the property overland using a winter road. The road runs along a 24 kilometre access road connecting to Highway 4 that was constructed and is controlled by Teck Cominco, for the Kudz Ze Kayah project, and from there, overland to the Regal Ridge camp. The overland route followed is the same as the one established in 2001, when a wide-track Caterpillar 225 excavator was brought in overland during the summer. The winter road was not used in preparation for the 2004 program.

The closest centre of population is the town Ross River 120 kilometres to the northwest, the town of Watson Lake 168 kilometres to the southeast, and the mining town of Faro is 184 kilometres to the northwest. The region is limited with respect to transportation infrastructure. In addition to the airstrip at Finlayson Lake, the only other artery for transportation is Highway #4 (Campbell Highway) which connects the Town of Watson Lake with the town of Carmacks.

No established rail or water transport routes are present in the vicinity of the Regal Ridge project.

The 30-man camp at Regal Ridge constructed by True North is now routinely served during the field season by a 750 metre airstrip on site, built in 2003. The Company has completed 3.5 kilometres of road and cat trails on the Property in order to access the summit of Regal Ridge.

CLIMATE & PHYSIOGRAPHY

The Regal Ridge Project occurs in the rugged terrain of the Pelly Mountains approximately 7 kilometres northwest of Fyre Lake. It lies entirely within the Liard River Watershed, which drains ultimately to the Arctic Ocean. Elevations on the property range from 1200 metres in the river valley bottoms to 1805 metres on ridge tops.

Regal Ridge itself is a west to northwest-trending topographic summit line characterized by a steep northeast-facing slope showing abundant talus and outcrop, and a more gently inclined southwestern face showing far more soil cover with far less outcrop.

Vegetation consists of dense buckbrush in the flat, broad river valley bottoms, grading upwards into dense growths of stunted balsam, black spruce and occasional pine on the lower slopes, and eventually into dwarf willow, birch, and alpine grasses at elevations above timberline at 1550 metres. The ridge

tops only support lichen and very sparse alpine grasses. Regal Ridge and environs do not represent critical habitat for any threatened or endangered species.

The climate of the Regal Ridge area is classified as sub-arctic. Timberline exposures above 1500 metres are arctic.

EXPLORATION HISTORY

1998-2000

Geologist William A. Wengzynowski with Expatriate Resources Ltd. ("Expatriate") discovered the emerald occurrence at Regal Ridge at the Goal property on August 24, 1998. Expatriate was exploring for a tungsten anomaly first reported from the area by Chevron Minerals Ltd. in 1979. On their first landing, approximately one kilogram of emerald and green-beryl was collected from soil, float and outcrop during a two hour examination within a 30 x 100 metre area.

Follow-up exploration on the discovery that same year demonstrated that the emerald occurrence had significant size potential. Prospecting and contour soil sampling identified emerald in outcrop and float over an area measuring 950 x 350 metres. Sampling and processing of subcrop and talus material produced numerous small, gem quality emeralds with excellent colour and clarity. The emeralds identified to that point had all been recovered from the surface, or from shallow hand-dug pits, where chemical and mechanical weathering in the arctic environment may have contributed to fracturing and oxidation. Study of the emerald samples recovered from outcrop confirmed that the gemstones represented fragments of much larger crystals, up to 1 centimetre in diameter and 4 centimetres in length.

In the initial round of exploration, three hand-dug trenches encountered chloritic schist forming the wall rock, with quartz-tourmaline veins cutting thin muscovite-tourmaline schist. In all, three separate mineralized horizons of altered schist with abundant veining were detected in 1998.

Emerald exploration became the primary focus of field activities in 1999. Expatriate established a 1200 x 600 metre control grid with a square spacing at 50 metre centres. Soil and talus fines were sampled on the grid, and were examined in daylight for emerald and under shortwave ultraviolet light for scheelite fluorescence. All samples that produced emerald fragments also contained scheelite grains. The fines were analysed for 32 elements by the Induced Coupled Plasma (ICP) technique. It was found that copper, beryllium and tungsten values showed the best correlation with macroscopic emerald in the soil samples. The geochemical anomaly overprinting the emerald occurrence measures 700 x 400 metres. Follow-up of prospective areas allowed Expatriate to map the dimensions and limits of at least six emerald-rich dispersion trains in the regolith. In two cases, the dispersion trains were traced back to source outcrops containing emerald mineralization. The emerald-bearing zone was found to be coincident with a soil geochemical anomaly in Be-Cu-W.

In 1999, talus fines and deeply-weathered bedrock were collected and processed from six separate locations in the emerald-rich dispersion trains identified through soil sampling. In all, seven cubic metres of material was washed and sieved through a set of screens. The field split (concentrate) was hand-picked from a sorting table. Some 5,000 grams of combined emerald and green beryl was recovered. Of this total, 3,129.3 grams was cleaned, and classified as "gem" (transparent); "near-gem" or cabochon-grade (translucent); and, "non-gem" (opaque). The final tally included: 17.8 grams (0.5%) of gem; and 93.9 grams (3.0%) of near-gem material.

2001

In 2001, True North cut seven trenches with an aggregate length of 220 metres at Regal Ridge. Collectively, about 1,500 tonnes of material was excavated. Unfortunately, only one of the trenches reached full target depth, and was able to be sampled, prior to the cessation of operations due to inclement weather on September 10, 2001. The best test of mineralization was Trench TR-01-03, in what Expatriate had previously labelled Area 4. At this location, 286 tonnes of material was excavated. The material was processed on site by hand screening and sorting, which resulted in the recovery of 139.31 grams of emerald. Of this, 16.18 grams (11.61%) was transparent gem, and 24.49 grams (17.58%) was translucent near-gem, with the balance present as opaque non-gem. The combined gem and near-gem grade for Trench TR-01-03 at Area 4 is 0.142 grams per tonne. The total emerald content comprising all gem, near-gem, and non-gem classes was 0.487 grams per tonne. From all sites, including material recovered from partial tests, and from hand trenching to confirm Expatriate's discovery sites, True North recovered a total of 688.21 grams emerald. Of this, 25.26 grams (3.67%) was gem; 49.31 grams (7.16%) was near-gem; and, 613.64 grams (89.16%) was non-gem. These weight ratios for gem, near-gem, and non-gem are generally consistent with other schist-hosted, metamorphic-hydrothermal emerald deposits (Webster and Read, 1994; Delaney, 1996, Simandl, and others, 2001).

27 soil samples were collected along a grid overlying Regal Ridge, and were analyzed by ALS Chemex Labs Ltd. (ALS Chemex) for 32 elements using an Induced Coupled Plasma technique (ICP). Strong correlations were noticed between Cu, Be, and W.

2002

In 2002, an additional three emerald mineralized veins were discovered, bringing the total to 10. Trenching of seven of these veins (SW, Area 51 W, Area 51 E, BG, BG-Ext, Area 14, and Area 4) produced 120 tonnes of excavated material, of which 65 kg of emerald field splits was sent to Vancouver for further processing. Total emerald recovery from these samples was 4,095.7 grams. Of this, 135.9 grams (3.3%) was gem; 684.4 grams (16.7%) was near-gem; and, 3,275.4 grams (80.0%) was non-gem.

The most promising results came from the SW Zone, where gem recovery was 121.42 grams and near-gem recovery was 587.33 grams, leading to 19.09 grams/tonne and 92.35 grams/tonne of gem and near-gem values, respectively.

Diamond drilling consisted of five drill holes covering a depth of 419.4 metres. Four of the drill holes were relatively short (ranging from ~30 metres to ~60 metres), and targeted Areas' 4 and 14. Their purpose was to evaluate continuity between the two vein sets, and was successful. The fifth hole was approximately 200 metres deep, designed to explore for additional blind mineralization.

A total of 464 soil samples were collected and processed using a near total digest/mass spectrographic technique to analyze for 47 elements. Results from the program illuminated additional Be-W-Cu-Sn-F geochemical highs on the Property, particularly along the ridge west of Regal Ridge, where the proposed airstrip is located.

At the end of the 2002 field program, emerald float was found in the West zone.

GEOLOGICAL SETTING

REGIONAL GEOLOGY

The Regal Ridge emerald occurrence lies in a block of amphibolite-grade metamorphic rocks included within the Yukon-Tanana terrane. Murphy (1997) compiled the regional geology underlying the area covered in this report. The main lithotypes present are Paleozoic metasedimentary and metavolcanic rocks of Murphy's Layered Metamorphic Rocks (LMR), along with a variety of felsic and ultramafic intrusive rocks. The pertinent units of the LMR include members of units 1, 2, and 3, with the emeralds occurring in portions of unit 2. Figure 3 is a depiction of the regional geology for the area peripheral to the project.

The oldest rocks recognized in the area belong to an upper quartzose metaclastic unit (1qsu) of probable Pre-Mississippian age. This unit appears to grade upwards into a mainly chloritic schist package with minor intercalations of muscovite-tourmaline schist, quartzite and phyllite (2m). The schist, in turn, is overlain by a felsic to mafic metavolcanic sequence with minor intercalations of quartzite and argillaceous marble (3). The entire package is intruded by several igneous rocks including: Mississippian-age metagabbros and metapyroxenite sills (2mum); Cretaceous Be-bearing granitic rocks (Kg); and Tertiary feldspar porphyry dykes (Td).

Unit 2 of the LMR locally hosts emerald and beryl mineralization where quartz-tourmaline-scheelite veins cut or occupy muscovite and tourmaline-rich schist layers. These volcanic rock protoliths include boninite, low Ti tholeiite, normal mid-ocean ridge basalt (MORB), and transitional Light Rare Earth Element (LREE)-enriched tholeiite. In the area of the showing, boninites predominate and overlie a thick wedge of variably serpentinized mafic and ultramafic meta-plutonic rocks interpreted to be a comagmatic sill (Murphy, 1998a, b; Murphy and Piercey, 2001).

The Property falls into the tectonic setting of the Yukon-Tanana terrane, the main body of which lies within the Tintina and Denali Fault Zones. Both are northwesterly-trending, right lateral faults of large displacement. The Finlayson Lake segment is a lozenge-shaped body on the northeast side of the Tintina Fault Zone, interpreted to be displaced from the main body of the Yukon-Tanana terrane by 450 kilometres of right lateral movement (Hunt, 1997).

The LMR has been subjected to two phases of metamorphism and deformation, bringing the rocks to greenschist and lower amphibolite facies. A flat-lying foliation subparallel to the compositional layering is the dominant structural fabric. It is preserved locally as a crenulation cleavage developed parallel to

the axial planes of recumbent isoclinal folds, which are manifest in numerous locations in the chlorite schist, and as quartz segregations and siliceous horizons.

The regional geology map presented herein references the updated geological legend developed by Murphy (2001). The 2001 geological classification of the stratigraphy of the Regal Ridge area combines the former "2m" and "2mum" units into a single, equivalent unit labelled as "Df". Detailed lithological descriptions are available in Murphy (1997) and Murphy and Colpron (2001).

The foliation generally strikes west to northwest and dips gently to the north and northeast. The folds are locally north verging and the axes plunge gently to the west between 5 and 10 degrees.

A regional scale fault occurs on the eastern edge of the project area and juxtaposes the ultramafic unit, 2mum, against the LMR. Smaller scale, late stage faults, commonly associated with quartz ± tourmaline ± carbonate veins are widespread. They commonly exhibit one of two principal orientations; one set is steeply dipping and strikes northwesterly or northeasterly, whereas the second set strikes northeast and is gently northwest dipping. Work done in the area up to 1999 indicated that only the shallow-dipping set had associated quartz-tourmaline veins that could produce beryl mineralization. Subsequent exploration also identified emerald mineralization in the steeply dipping set.

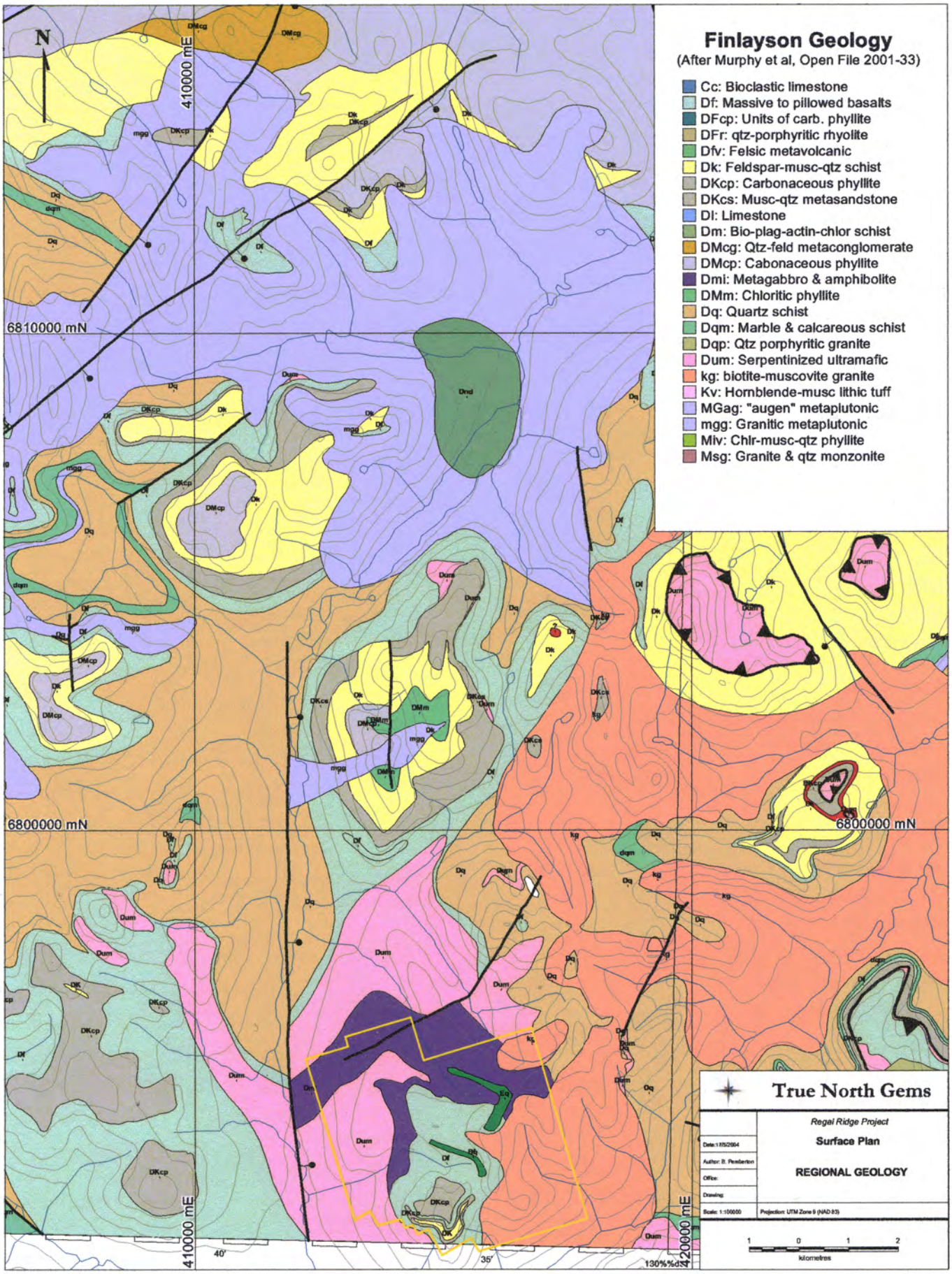

Finlayson Geology
(After Murphy et al, Open File 2001-33)
Cc: Bioclastic limestone
Df: Massive to pillowed basalts
DFcp: Units of carb. phyllite
DFr: qtz-porphyritic rhyolite
Dfv: Felsic metavolcanic
Dk: Feldspar-musc-qtz schist
DKcp: Carbonaceous phyllite
DKcs: Musc-qtz metasandstone
Dl: Limestone
Dm: Bio-plag-actin-chlor schist
DMcg: Qtz-feld metaconglomerate
DMcp: Cabonaceous phyllite
Dml: Metagabbro & amphibolite
DMm: Chloritic phyllite
Dq: Quartz schist
Dqm: Marble & calcareous schist
Dqp: Qtz porphyritic granite
Dum: Serpentinized ultramafic
kg: biotite-muscovite granite
Kv: Hornblende-musc lithic tuff
MGag: "augen" metaplutonic
mgg: Granitic metaplutonic
Miv: Chlr-musc-qtz phyllite
Msg: Granite & qtz monzonite
N
410000 mE
420000 mE
6810000 mN
6800000 mN
40'
35'
True North Gems
Regal Ridge Project
Surface Plan
REGIONAL GEOLOGY
Date: 1/15/2004
Author: B. Pemberton
Office:
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
1 0 1 2
kilometres

Figure 3

PROPERTY GEOLOGY

In describing the local geology of the "Crown Showing", currently known as the Regal Ridge emerald occurrence, Groat, and others, (1999) wrote:

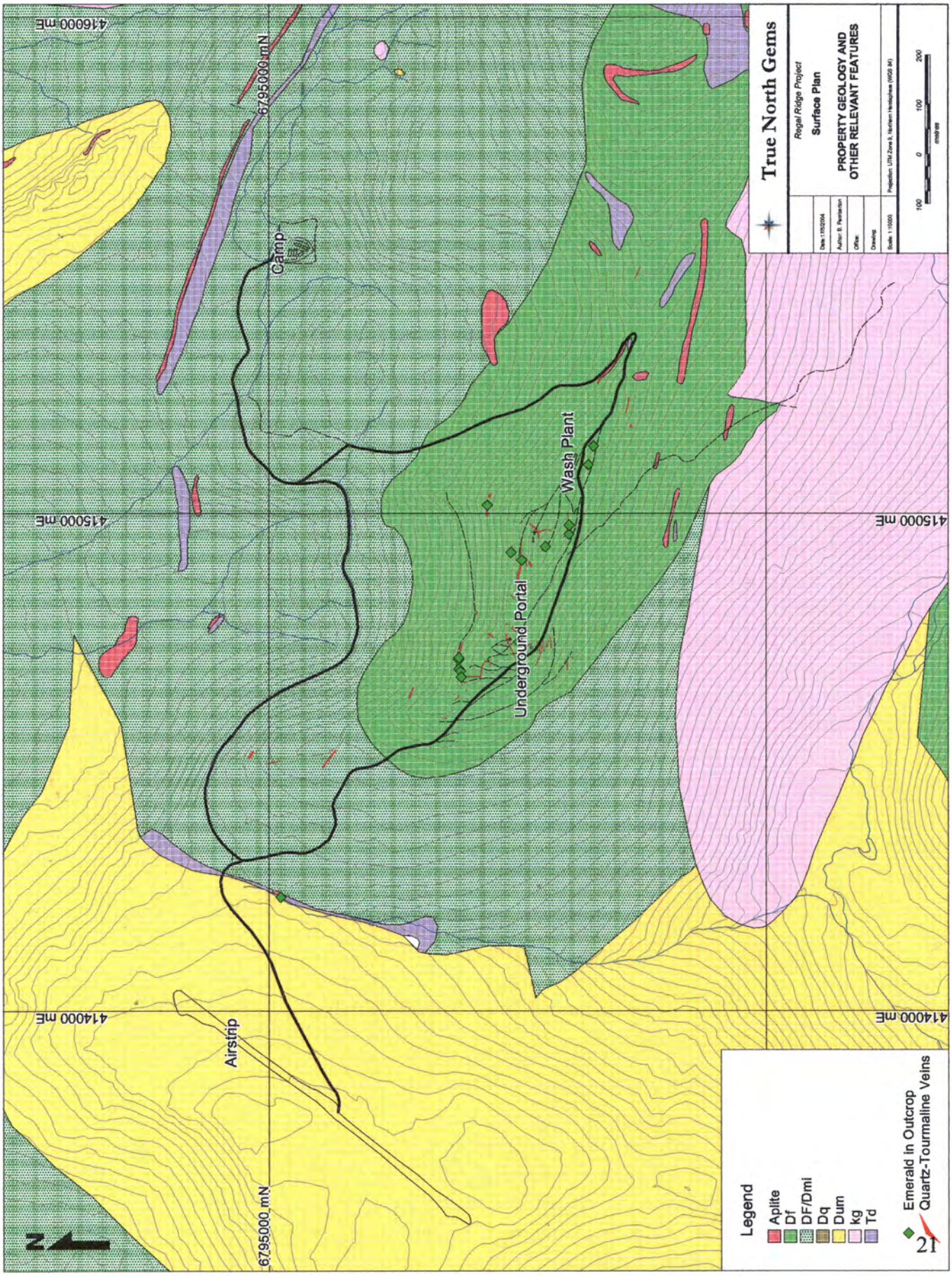
> "The emeralds occur where quartz veins cut mica-rich layers in a shallowly dipping mica-chlorite schist of the Upper Devonian Fire Lake mafic meta-volcanic unit (unit 2 of Murphy, 1997 and Murphy & Piercey, 1998, unit DMF of Murphy & Piercey, 1999).
>
> In the area of the Crown showing, the schist is well foliated and dips gently to the north. The quartz veins associated with the emerald mineralization are slightly discordant to the bedding planes. At least eight such veins have been found on the north side of the ridge. In most cases the quartz veins are surrounded by a zone of yellow sulphate mineralization and a much more extensive, overlapping mass of fine tourmaline crystals which locally contains minor amounts of scheelite. The emeralds occur in both the sulphate and tourmaline zones and (rarely,) in the quartz veins. Where the quartz veins cut mica-poor chlorite schist there are no sulphate or tourmaline zones and no emeralds (although there may be tourmaline in the quartz veins), implying that mica-poor strata are unreactive with respect to the hydrothermal system. All quartz veins seem contemporaneous, and the presence or absence of emeralds is influenced strongly by the geochemistry of the host rock.
>
> The quartz veins seem to be genetically linked to one of the largest bodies of mid-Cretaceous granite in the area, which is exposed east of, and within 600m of, the emerald mineralization. The western contact of the granite is observed to be gently west-dipping, underlying the Crown showing at a relatively shallow depth. The orientation of the western granite contact and the contact between the Fire Lake unit and the co-magmatic mafic and ultramafic sill are such that the granite likely intrudes through the ultramafic sill at depth."

The Property geology, modified after Murphy (2001), is displayed in Figure 4 and in Appendix N.

DEPOSIT TYPES

Under the classification system for emerald deposits proposed by Sinkankas (1981), the Regal Ridge showing is a metamorphic-hydrothermal type. In this class, emeralds occur primarily as disseminated replacements in schistose wall rock adjacent to granitic pegmatites and quartz veins. To a lesser extent, they are also found as a primary vein mineral, and rarely as late open-space fillings in greisens locally developed in pegmatite. The two essential geologic components are an ultramafic protolith at or above upper greenschist facies, and a hydrous, beryllium-rich intrusive phase. The Crown showing is somewhat similar to the Kafubu emerald deposit in the Ndola district of Zambia described by Kazmi and Snee (1989) in that gemstones are found within micaceous schist horizons peripheral to concordant tourmaline veins. It is different from Kafubu in that the mica species at Regal Ridge is muscovite rather than biotite or phlogopite. Sliwa and Nqualuwe (1984) report that the tourmaline-veined schists of the Ndola district produce up to nine million carats of rough annually, with about 20 percent classified as gem quality. In the broad sense of Walton's (1996) genetic classification of emerald deposits, Regal Ridge is regarded as a Type 2a: emeralds associated with granitic pegmatitic rocks interacting with ultramafic rocks in a recent suture zone. Roughly half the volume and a quarter of the value of annual global emerald production are derived from this class of deposit.

Figure 4


True North Gems
Regal Ridge Project
Surface Plan
PROPERTY GEOLOGY AND OTHER RELEVANT FEATURES
Date: 17/02/2004
Author: B. Pemberton
Office:
Drawing:
Scale: 1:10000
Projection: UTM Zone 8, Northern Hemisphere (WGS 84)
100 0 100 200
metres
416000 mE
415000 mE
414000 mE
6795000 mN
Camp
Airstrip
Underground Portal
Wash Plant
Legend
Aplite
Df
DF/Dmi
Dq
Dum
kg
Td
Emerald in Outcrop
Quartz-Tourmaline Veins
21

MINERALIZATION

EMERALD MINERALIZATION

Groat and others (1999) provided the best detailed description of the emerald mineralization at the Crown showing on Regal Ridge:

> "The emeralds range in size from fractions of a mm to 4 centimetres in length. Some of the smaller crystals (to approximately one-quarter carat), and sections of larger crystals, are gem quality with excellent clarity and colour. Many of the larger crystals show a regular pattern of holes that likely represent growth features. Others appear to have grown across the foliation of the schist, as shown by layers of micaceous inclusions; these create parting planes and increase susceptibility to mechanical weathering. A total of 24 emerald crystals were examined from five of the source regions. One additional crystal was obtained from a quartz vein on the south side of the ridge, at the westernmost extent of the showing. All samples were green in hand specimen and exhibited homogeneous colour distribution when cut and polished for microprobe analysis. Preliminary investigation with a scanning electron microscope (using both back scattered electron and cathode luminescence imaging modes) showed no evidence of compositional zoning. Electron microprobe analysis of the 25 crystals shows an average Cr concentration of 3,208 ppm (maximum 7816 ppm). The mean and maximum V concentrations are 171 and 333 ppm, respectively. Both Cr and V are chromophoric in emerald; however, the concentration of Cr and colour of the emeralds indicate the predominant importance of Cr. The Fe content is variable between relatively narrow limits (0.02 to 0.05 atoms per formula unit), particularly when compared to the Mg concentrations, which range between 0.08 and 0.18 apfu. Some of the emeralds contain significant concentrations of Sc (up to 499 ppm). Step-heating analyses of four samples from different source regions show consistent channel H_2O contents of approximately 2.00 wt.%.
>
> Investigation of polished mounts with the scanning electron microscope revealed an abundance of fluid and solid inclusions; the latter include calcite, chalcopyrite, molybdenite, phlogopite, pyrite, quartz, scheelite, tourmaline, and zircon. The fluid inclusions were found to contain three phases at room temperature. The dominant phase is aqueous brine occupying approximately 80% of the volume of the inclusion. The other two phases are gaseous and liquid carbonic fluids, which occupy approximately four and 16% of the volume, respectively. Preliminary microthermometric measurements indicate these carbonic phases are dominated by CO_2 but contain minor amounts of dissolved methane with X-CH_4 in the gaseous phase ranging up to 0.15. The clathrate melting data indicate that these emeralds precipitated from a fluid with salinities of a few wt% NaCl equivalent (the lack of experimental data in the system H_2O-CO_2,-NaCl-CH_4, precludes a more accurate salinity determination) Homogenisation of the carbonic phase (to the vapour) occurs at approximately 26°C. Based upon data from non-stretched inclusions, we suggest that the true homogenisation temperatures of the Crown emeralds are on the order of 260° to 340° C. These results are similar to those obtained from fluid inclusions in emeralds from schist-type deposits, which generally show precipitation from a H2O-CO_2-NaCl-CH_4 fluid with salinity from 0 to 20 wt. % NaCl equivalent, and minimal formational temperatures and pressures on the order of 300°C and 1000 bars, respectively (Seal 1989, Moroz & Vapnik 1999). Fluid inclusions in emeralds from hydrothermal deposits (such as those in

Colombia) tend to indicate formation from more saline fluids (approximately 40 wt.% NaCl equivalent) at temperatures in excess of 325°C (Ottaway et al., 1994, Kozlowski et al, 1986).

Tourmaline is ubiquitous and common in the area of the Crown showing, it is present in the granite; in the quartz veins; as masses of fine crystals surrounding the quartz veins where they cut the mica schist, and associated with the emerald mineralization (dravite); and as larger, discrete crystals in the chlorite-mica schist (schorl). Tourmaline needles also occur as inclusions in many of the emeralds; electron microprobe analyses show compositions ranging from dravite to uvite, with elevated Cr concentrations (to 0.44Cr apfu). The presence of tourmaline may be a key to understanding why we do not see high Fe concentrations in the beryls (which would diminish the emerald green colour); under high B activity, tourmaline acts as a sink for Fe, Mg and Mn.

The crumbly yellow sulphate-rich material associated with the quartz veins was sieved and the resulting powder was analyzed by X-ray diffraction. The resulting spectra show a mixture of jarosite, chlorite, vermiculite, and dickite. Gypsum is commonly seen forming thin layers on rocks in the talus below Regal Ridge. Where is the sulphur coming from to form the sulphate minerals? Sulphide minerals appear to be rare in these rocks, although minor amounts of pyrite and chalcopyrite (altering to malachite) have been found in the chlorite-mica schist close to the quartz veins. However, it is possible that there is a significant amount of syngenetic sulphide mineralization in the mafic schists, as pyrite and less commonly chalcopyrite occur disseminated throughout the unit regionally and are locally concentrated into mm- to cm-scale seams.

As noted previously, scheelite crystals are locally found within the tourmaline zone around the quartz veins. The presence of scheelite rather than wolframite is probably related to the scavenging properties of tourmaline as regards Fe and Mn, and to the modestly calcic host rocks. Marble lenses occur locally in the host rocks, and pockets containing very pale beryl have been found encapsulated in secondary calcite. Geochemical surveys show a direct correlation between Be and W."

True North has noted that the emeralds at Regal Ridge commonly tend to be compromised in gem quality as a result of: 1) tectonism concurrent with mineralization, often resulting in fractured or strained crystals; 2) chemical weathering, specifically the oxidation of inclusions; and, 3) mechanical weathering, specifically frost shattering along the basal cleavage plane.

MINERALIZATION CONTROLS

The results of the 1999 field activities by Expatriate Resources Ltd. on Regal Ridge led to the conclusion that emerald mineralization occurs at the locus of intersection between altered muscovite tourmaline schist horizons, locally called "rusty schist", and a generally concordant set of quartz-tourmaline-scheelite veins. The veins and their host rocks were found to be nearly flat-lying. It could be mapped in the field, and later demonstrated in cross section based upon drilling results, that the generally flat-lying veins locally tended to steepen, deflect upwards and horse-tail into braid, proceeding towards the southeast. This was interpreted as a result of the veins occupying low-angle thrust faults generally concordant to schistosity and primary bedding, with compressional displacement directed towards the southeast. Displacement was concurrent with quartz veining and emerald crystal growth. At least four

separate horizons were then recognized, and another 4 were inferred later on the basis of float and soil geochemistry. Emeralds are now confirmed in outcrop from 5 of the 8 sets. The highest emerald grades are seen in the vicinity of massive tourmaline pods within intensely-altered biotite and chlorite schist wall rock. True North's work has also demonstrated that emerald mineralization occurs within a cross-cutting network of closely-spaced, steeply-dipping shear zones which connect between the flat-lying vein sets. The mineralized horizons range from 0.5 to 9 metres in true thickness typically spaced about 5 to 15 metres apart. Overall, they average around 1 to 2 metres in thickness. Detailed mapping of the steeply-dipping cross-cutting mineralized shear zones in Area 4 indicates they average about 0.5 metres in thickness, and occur in an orthogonal set with northeast and northwest trends, at a remarkably-regular spacing of 5 to 7 metres apart. True North anticipated that this geometric configuration, comprising multiple stacked mineralized horizons connected by a dense network of vertical lodes, would conceivably lead to the production of sizeable ore shoots.

During the initial 2001 property visit, quartz veins were observed to braid and anastamose, appear and reappear, within the "rusty schist" wherever it was exposed. The "rust" in the "rusty schist" is iron oxide weathered from disseminated pyrite. Wengzynowski (2000) reported that even the barren schist with no visible emerald contains elevated levels of beryllium and tungsten, indicating that mineralizing fluids used the schist pervasively as a conduit. He offered the opinion that the high permeability and protolith chemistry of this unit made it very reactive with those mineralizing fluids. His tentative conclusion reinforces the potential for finding emerald anywhere within any of the "rusty schist" horizons at Regal Ridge.

EXPLORATION

EMERALD SAMPLING

Rocks sampled for emerald included material taken from surface outcrop and float by hand mining, from trenches, and from underground exploration. Emeralds were further prepared into field splits for sorting through combinations of hand selection, crushing, trimming, screening, and washing. Rough emerald was sorted by diaphaneity (clarity or transparency) into gem (transparent); near-gem (translucent); and non-gem (opaque).

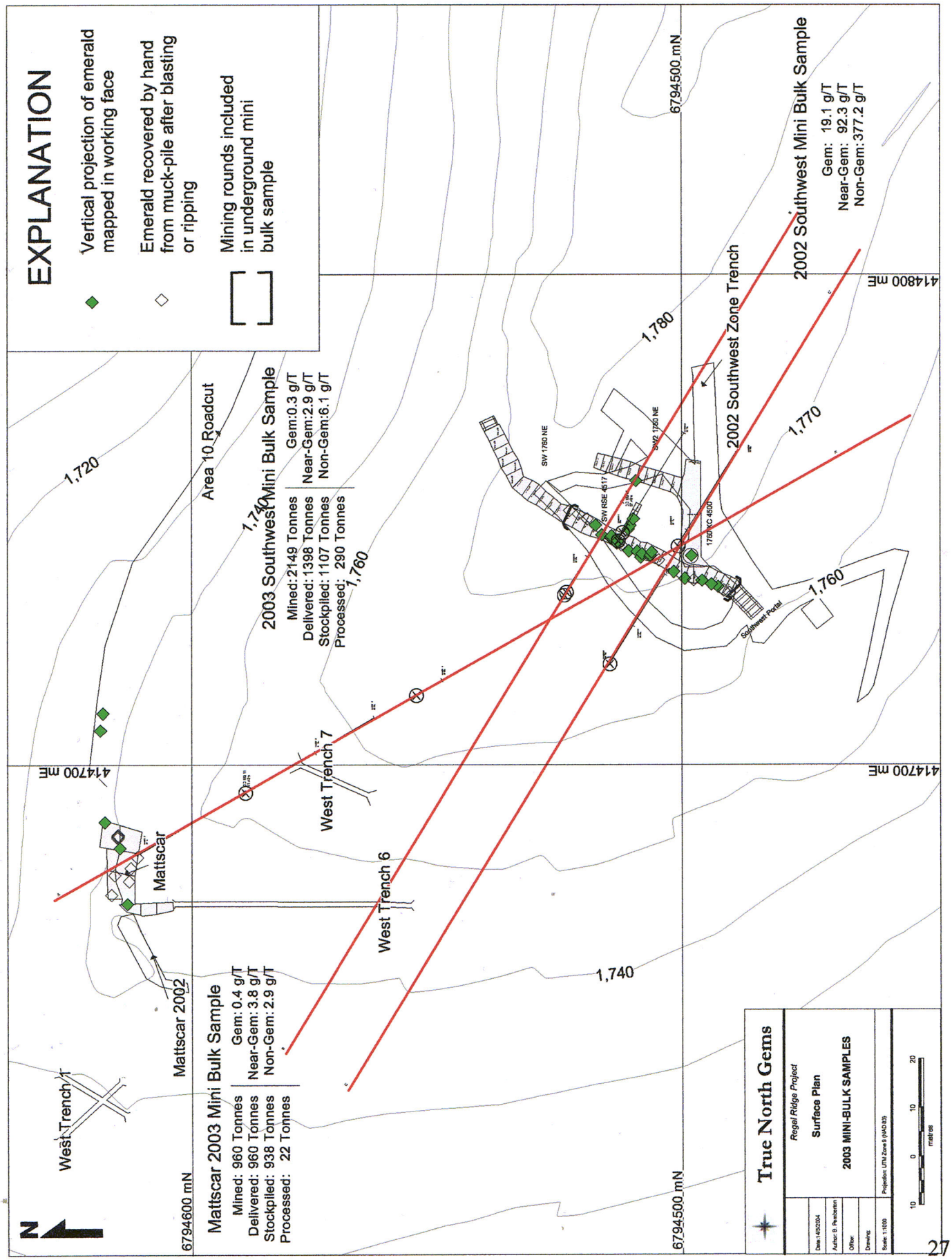
At the time of the original emerald discovery in 1998, one kilogram of emerald-bearing material lying loose on the surface was recovered in two hours by two men. It was crushed, screened and hand-picked on site, giving a preliminary result of around 25 grams per tonne of total beryl. In 1999, several small trenches were dug by hand along the Discovery vein, producing 5 kilograms of emerald from around 18 tonnes of rock, equating to 227 grams per tonne total beryl. In 2001, the use of mechanized equipment allowed for 1,544 tonnes to be excavated from 7 trenches, again on the Discovery vein. Commercial emeralds were hand-split from the total beryl. The grade of the commercial lot was 0.90 grams per tonne of gem plus near-gem fraction. In 2002, True North expanded the trenching completed in 2001, sampling another 120 tonnes with a grade of 540 grams per tonne total beryl. Work up to 2003 had focused primarily on the area of the original Discovery vein at the summit of Regal Ridge. Step-out trenching late in 2002 had uncovered the Gaboury and Southwest vein systems. At that time, the Southwest vein provided what holds the record for the highest grade of the mini-bulk samples collected from the surface trenching at Regal Ridge: 6.36 tonnes of material returned 19.09 grams per tonne gem, and 92.35 grams per tonne near-gem, contained within 488 grams per tonne total emerald.

In 2003, True North collected two, relatively-large mini-bulk samples for emeralds from: 1) the Mattscar vein; and, 2) the Southwest vein (see Figure 5). The Mattscar vein was tested by means of surface trenches, whereas the Southwest vein was tested by means of underground exploration. The emeralds collected at Mattscar were either recovered manually during track-hoe excavation, or were carefully hand-picked immediately following excavation from the fresh stockpiles. In contrast to this, the emeralds taken from underground were largely derived from mined tonnage processed through the wash plant, where it was crushed, screened and washed, and then hand-picked from a moving belt.

At Mattscar, the emeralds primarily occurred as disseminations in weathered and altered biotite and chlorite schist with lesser quartz veinlets; whereas in the Southwest vein emeralds primarily occur within

and immediately adjacent to prominent quartz-tourmaline veins. As such, the 2003 sampling campaign was a test between two different mining and processing methods, and two different deposit types (i.e. emerald in schist taken by trenching at the surface at Mattscar whereas emerald in quartz-tourmaline veins taken by underground exploration at the Southwest vein). At each location, roughly one thousand tonnes of material was tested for grade. Overall, the Mattscar vein returned 7.08 grams per tonne of total emerald, while the Southwest vein returned 9.25 grams per tonne total emerald. Details of sampling completed in 2003 are in presented in Appendices A, B and C.

Figure 5


EXPLANATION
Vertical projection of emerald mapped in working face
Emerald recovered by hand from muck-pile after blasting or ripping
Mining rounds included in underground mini bulk sample
N
Mattscar 2003 Mini Bulk Sample
Mined: 960 Tonnes
Delivered: 960 Tonnes
Stockpiled: 938 Tonnes
Processed: 22 Tonnes
Gem: 0.4 g/T
Near-Gem: 3.8 g/T
Non-Gem: 2.9 g/T
2003 Southwest Mini Bulk Sample
Mined: 2149 Tonnes
Delivered: 1398 Tonnes
Stockpiled: 1107 Tonnes
Processed: 290 Tonnes
Gem:0.3 g/T
Near-Gem:2.9 g/T
Non-Gem:6.1 g/T
2002 Southwest Mini Bulk Sample
Gem: 19.1 g/T
Near-Gem: 92.3 g/T
Non-Gem:377.2 g/T
West Trench 1
Mattscar 2002
Mattscar
West Trench 6
West Trench 7
Area 10 Roadcut
2002 Southwest Zone Trench
SW 1760 NE
SW RSE 4517
SW2 1760 NE
1760 NC 4500
Southwest Portal
1,720
1,740
1,760
1,770
1,780
414700 mE
414800 mE
6794600 mN
6794500 mN
True North Gems
Regal Ridge Project
Surface Plan
2003 MINI-BULK SAMPLES
Date:14/5/2004
Author: B. Pemberton
Drafter:
Drawing:
Scale: 1:1000
Projection: UTM Zone 9 (NAD 83)
10 0 10 20
metres

SOIL GEOCHEMISTRY

Talus fines and soil collected across the emerald occurrence at the summit of Regal Ridge were taken on a 200 x 50 metre grid, eventually covering most of the Goal Property. Samples were subjected to sieving at -80 mesh, and were analyzed for 47 elements with a four acid ICP-MS and for fluorine with a fusion/electrochemical process at ALS Chemex Labs Ltd. in Vancouver, B.C. A total of 1430 soil geochemical samples have been collected and processed from Regal Ridge. The results are provided in Appendix D.

During 2003, 25 kilometres of survey lines were sampled, with 479 samples collected. Results further refined the correlations between emerald in outcrop and float, and geochemical anomalies characterized by elevated levels of Be-Cu-W-Sn-Bi-F. The sample location map is given in Appendix G. The soil geochemistry maps are provided in Appendices H through M, inclusive. The stacked geochemical anomaly overprinting the emerald occurrence in the Summit zone along the crestline of Regal Ridge measures 800 x 400 metres. All of the drilling and bulk sampling, to date, has been confined to this geochemical anomaly.

Three other geochemical anomalies with similar magnitudes of enrichment by the trace element suite have been detected on the Property. The anomalies will be investigated by means of trenching in 2004. The first is situated at the northeast end of the airstrip (300 x 350 metres). It is open to the west. The second occurs in the valley known as Emerald Creek lying between Regal Ridge and Howdee Ridge to the south (1200 x 300 metres) and the third in the valley south of Howdee Ridge (800 x 200 metres).

WHOLE ROCK GEOCHEMISTRY

Extensive geochemical sampling was conducted along quartz-tourmaline veins within drill core and on the underground faces. The purpose was to determine if geochemical controls could assist with prospectivity for emeralds in specific veins or alteration suites.

Geochemical analysis of several rock types shows distinct elemental fingerprints relating to two emerald-producing quartz-tourmaline vein systems. The Southwest zone shows elevated Li, Sn, and F values bracketing quartz-tourmaline veins, and Be, Bi, and W peak within the selvages of veins. Beryllium values differ by as much as 300 ppm over a distance of 1 metre, suggesting that the presence of Be alone is not an accurate indication of emerald. The results are provided in Appendix E.

The style of emerald mineralization at Mattscar differs in that the alteration containing emerald is not directly adjacent to a quartz-tourmaline vein, but rather in strongly altered gouge zones with Be, Bi, and W peaks. The bracketing effect seen in the southwest veins is not present at Mattscar.

Across all rock types, elemental correlations exist between Be and F, and Be and Sn.

2003 TRENCHING

The areas trenched in follow-up to the rock and soil geochemical anomalies generated before and during 2003 included: Mattscar; West; Far West; Area 9 and Area 10 on the Discovery vein Area 51 on the Gaboury vein and, the Airport Aplite.

The **Mattscar** zone was initially a prospecting target of emerald- bearing float discovered late in 2002 Through detailed mapping and the construction of drill cross sections, the emerald mineralization at Mattscar was interpreted as laterally continuous with the vein sets encountered in the 2003 underground development, about 150 metres to the east. Further trenching at Mattscar in 2003 uncovered emerald mineralization approximately 15 metres up-slope from the original target. A total of 960 tonnes of material was collected from Mattscar by open pit excavation, due to its high concentration of emerald.

The **West** zone is found west of the Mattscar zone and the Southwest zone. The West zone veins were discovered through prospecting during the 2002 field season, and in 2003, follow-up by means of trenching uncovered additional surface occurrences of emerald-bearing quartz-tourmaline veins. After the West zone was trenched and mapped, it was correlated with the extensive mineralization in the Mattscar zone which may be laterally connected with the Southwest vein. The Southwest vein was traced in drilling and was sampled for emerald in the 2003 underground exploration.

The **Far West** veins also showed emerald mineralization, however the field season was concluded before processing of the material sampled from the trench could be completed.

Area 9 and **Area 10** are part of the original Discovery vein zone along the crest line of Regal Ridge, and emerald was recovered from the surface in these two zones by Expatriate in 1998 and 1999. Although shallow trenching was carried out in 2003, no emeralds were recovered.

Area 51 along the Gaboury vein was trenched extensively and sampled during the 2002 field season. Further trenching to the south of the existing trenches in 2003 revealed prospective quartz-tourmaline veins.

It was previously thought that the aplites present at Regal Ridge were barren of beryl or emerald mineralization. However, in 2003, clear beryl was found in an aplite vein near the Southwest vein, and emerald was found in quartz veins emanating from, and internal to, the **airport aplite**.

SURFACE TRENCHING

The trenches at Mattscar exposed a nearly flat-lying zone of altered schist with lesser quartz veinlets about 1 to 2 metres in average thickness. All together, seven contiguous trenches open the vein set for a strike length of 20 metres and a dip length of 5 metres. In all, 960 tonnes were mined from the seven contiguous pits at Mattscar but, of these, just 22 tonnes were processed through the wash plant. The remainder were tested by means of hand collection of visible emerald from working faces and from fresh stockpiles. The hand collected material provided the calculation of grade for the Mattscar trenches. The once-scavenged stockpiles remain on the surface at the wash plant, and available for further processing. Unlike the Southwest zone where most of the emeralds were found contained within quartz tourmaline veins, most of the emeralds collected at Mattscar were present as disseminations within heavily altered and highly weathered biotite chlorite schist. Locally, the emeralds were found in tourmaline-rich "nests" about 0.5 metre in diameter, where the proportion of beryl might be as high as 50 percent overall. More typically, individual emerald crystals less than 1 centimetres in length and 0.5 centimetres in diameter are developed along planes of schistosity subparallel to the orientation of the mineralized zone and network of narrow quartz veinlets associated with the alteration.

UNDERGROUND EXPLORATION

In order to achieve the goal of testing emerald mineralization from below the depths accessible through surface trenching, a horizontal adit was driven on the Southwest vein at an elevation of 1760 metres. The workings average 10 to 20 metres of back, and effectively became a tunnel when the heading breached the opposite side of Regal Ridge. A total of 102.3 metres of underground exploration was completed during the 2003 field season, which included a drift (62 metres), a small raise (9 metres), and a cross-cut (31 metres). The workings are shown on the location map in Appendix O. A total of 2,149 tonnes were collected from 43 underground mining rounds, but only 21 rounds were involved in the mini-bulk sample. These rounds collectively represent 987 tonnes, of which only 290 tonnes were processed through the wash plant. A statistically-valid tonnage reduction was accomplished by means of split-shot mining underground, or by means of quarter-splitting the surface stockpiles in advance of delivery to the wash plant. The Southwest vein was followed successfully through the drift and up the raise. A parallel vein in the footwall was followed in the cross cut. The veins in this region steepen and horsetail upwards where the generally flat bedding plane thrust faults, which control mineralization, deflect towards vertical where they crosscut competent members of the metamorphic stratigraphy. Vein formation and emerald growth were contemporaneous with tectonism. Emeralds were found in the working face or in the associated stockpile in each of the 21 mining rounds comprising the mini-bulk samples. In addition, emeralds were found in the raise and crosscut lying within or immediately along the contact of a prominent quartz-tourmaline vein about 1 to 2 metres in average thickness. Emerald sizes reached up to

5 centimetres in length and 2 centimetres in width. Detailed maps were prepared for each working face, and geochemical sampling across the vein occurred on seven of the faces, three with visible emeralds.

Stone Count

Immediately upon the collection of emerald from the field from any source, the emerald-bearing material was sent to the stone processing facility in camp for intake and secure storage. The material was trimmed, washed, screened and sorted into field splits, before being shipped to Vancouver. Transport buckets were sealed with tamper-evident lids; contents were crosschecked against the transmittal list, and logged in upon receipt. At True North's Vancouver office, material was washed again and treated with dilute oxalic acid , dried, screened, and picked by hand, producing a rough emerald concentrate. This concentrate was sorted into three categories: gem (transparent, facet grade material), near-gem (translucent, cabochon grade material), and non-gem (opaque, bead grade material). The sorting was performed by professional diamond pickers trained by a graduate gemmologist qualified to sort rough emeralds and grade polished emeralds. The results of the rough sort, by metric round-screen splits, were weighed and compared against the original tonnage extracted, giving gram per tonne values.

The detailed results of sampling this season are included in Appendix B, and are summarized in Appendix C. In 2003, a total of 210 kilograms of field-split emerald samples were shipped. By eliminating matrix and waste, this material was sorted down to 16 kilograms of total beryl, from which 7.228 kilograms consisted of the hand-picked gem and near-gem fractions. This lot was representative of the 1,957 tonnes tested from the Mattscar zone and the Southwest zone, combined. Altogether, the two mini-bulk samples indicate an average grade of 3.696 grams per tonne of gem and near-gem fraction.

UBC Research

In accordance with the mandate of the company, True North Gems has continued to support academic studies at Regal Ridge by the Earth Sciences staff under the authority of Dr. Lee Groat at The University of British Columbia. Graduate level research was conducted in the field by Ms. Heather Neufeld included geological mapping and geochemical sampling; the results are pending.

DIAMOND DRILLING

True North drilled fourteen (14) holes totalling 630 metres in 2003. The drill hole collar locations are shown in Figure 5. The drilling program was divided into two phases: 1) the first phase delineated the Southwest zone in preparation for underground development (9 holes, 420 metres); and 2) the second phase correlated the Southwest vein system to the Mattscar vein system (5 holes, 210 metres). Overall in 2002 and 2003 in the Summit zone on Regal Ridge, True North has drilled nineteen (19) core holes for a total of 1048 metres; the bulk of the core is stored on-site at the camp location (GOAL claim 236) with one hole AD-1 stored in Whitehorse at the Yukon Geological Survey's H.S. Bostock Core Library.

The first phase of 2003 drilling successfully traced the Southwest vein target in advance of underground exploration. It also detected several auxiliary veins in the footwall of the Southwest vein which were accessed later in the season by the underground crosscut. The second phase of 2003 drilling determined the metrics suitable for drill spacing on grid. Individual veins could be correlated between adjacent holes at drill spacings of 20 metres. Drilling at 50 metre spacing permitted recognition of the continuity of a package of vein mineralization, or vein set, but lacked sufficient resolution for the correlation of individual veins within the sets (see Figure 7 and Appendix P).

HQ core was used to achieve a larger sampling of the rock types and to increase the odds for detecting emerald. Nonetheless, many prospective areas were intercepted with quartz-tourmaline veins and altered chlorite schist surrounding the veins. Although no emerald was observed in these zones, geochemical analyses of vein and alteration zones often showed anomalously high Be-Cu-W-Sn-F, all elements known to be indicative of the emerald mineralization at surface.

Table 2: Diamond Drilling

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Total Depth (m)
Phase 1						
DDH03-01	414744.7	6794500.9	1772.06	122	-45	33.53
DDH03-02	414744.7	6794500.9	1772.06	122	-83	30.17
DDH03-03	414747.4	6794512.2	1775.61	122	-45	33.73
DDH03-04	414745.7	6794513.1	1775.66	122	-83	32.00
DDH03-05	414735.3	6794523.6	1768.82	122	-55	37.49
DDH03-06	414734.7	6794524.1	1768.82	122	-75	35.05
DDH03-07	414720.6	6794514.8	1762.86	122	-55	37.49
DDH03-08	414720.6	6794514.8	1762.86	122	-75	35.05
DDH03-09	414720.6	6794514.8	1762.86	122	-90	144.78
Phase 2						
DDH03-10	414694.4	6794589.1	1751.00	330	-48	38.10
DDH03-11	414694.4	6794589.1	1751.00	0	-90	41.45
DDH03-12	414694.4	6794589.1	1751.00	150	-55	53.03
DDH03-13	414714.2	6794554.3	1762.40	330	-55	41.15
DDH03-14	414714.2	6794554.3	1762.40	150	-80	35.66
						628.68

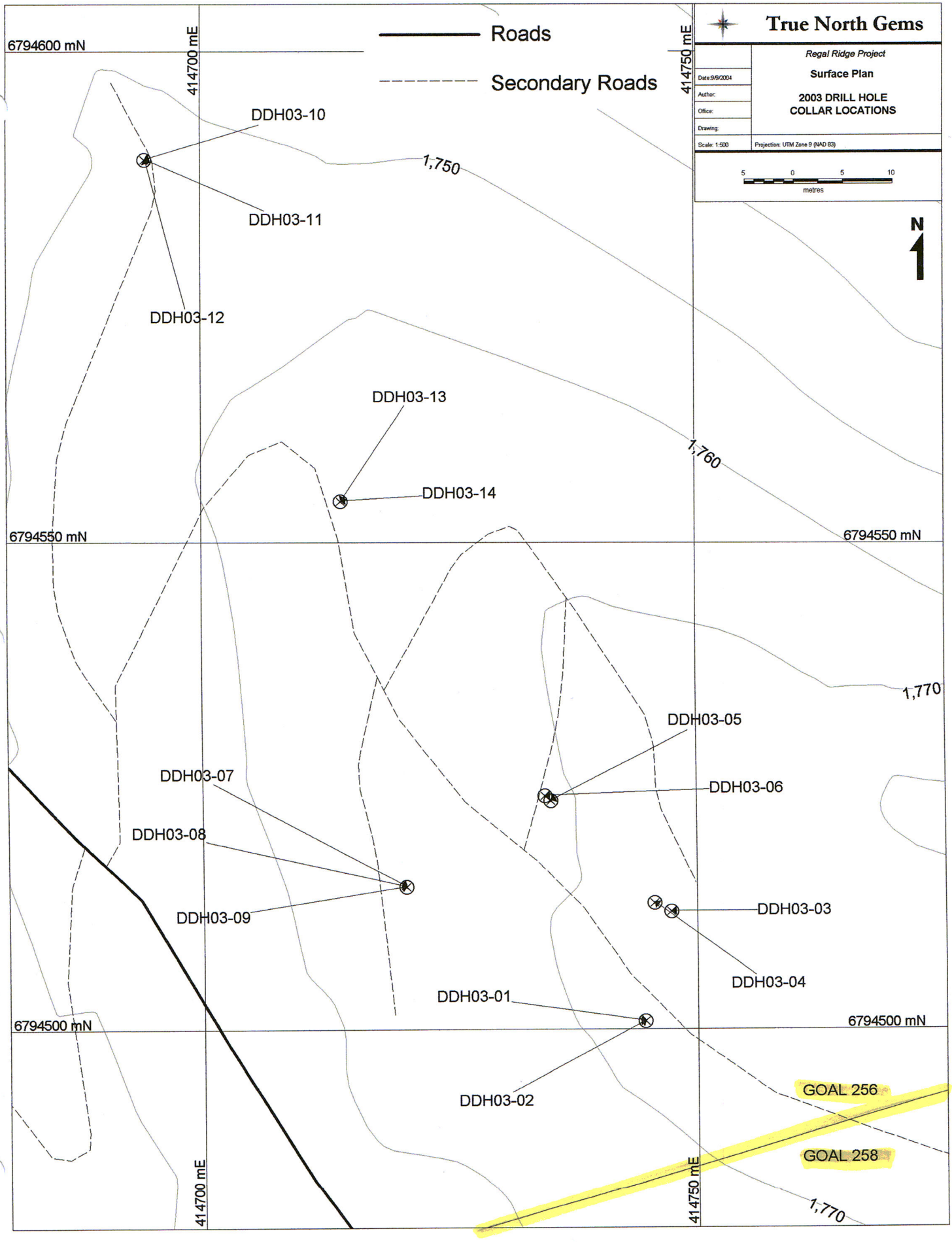
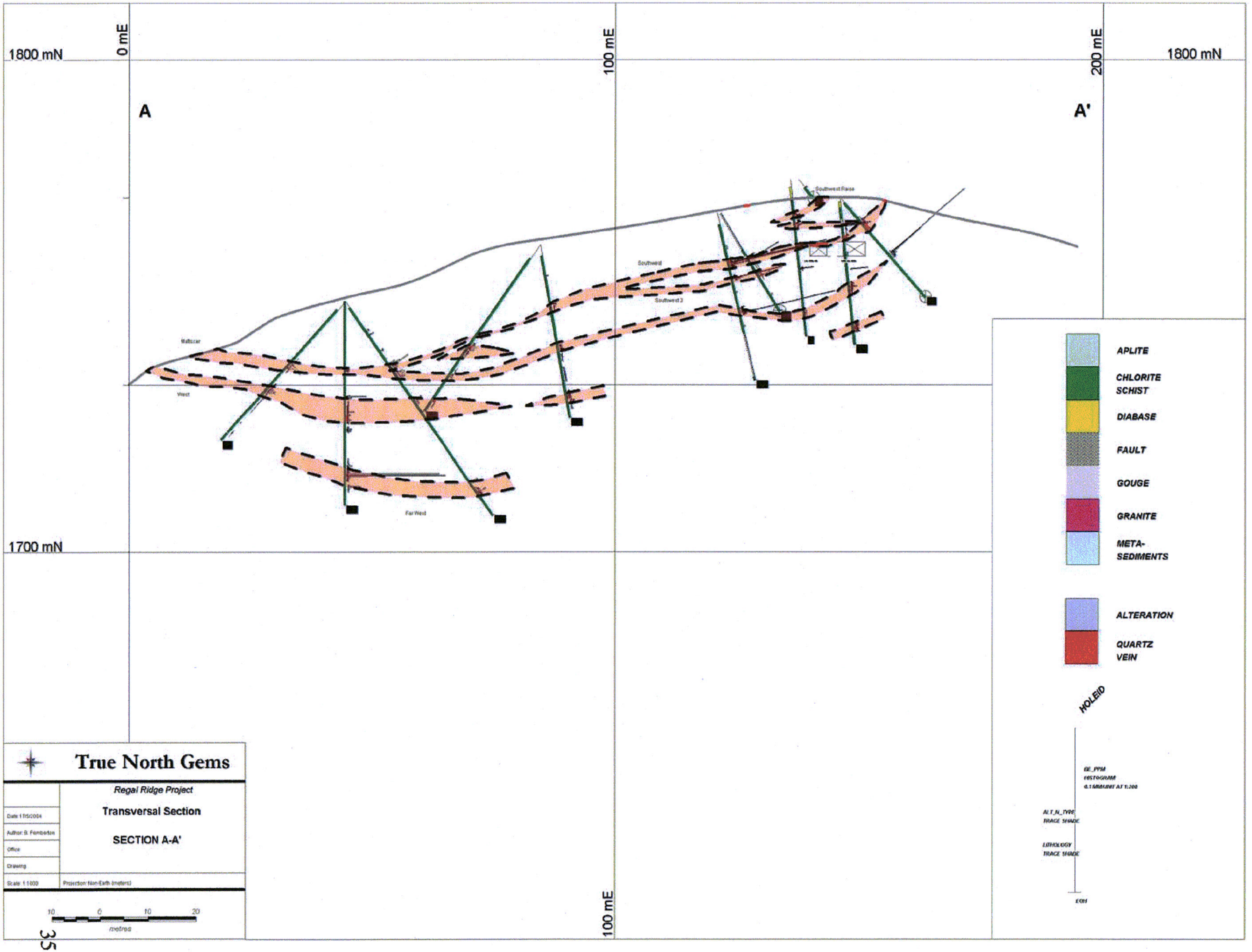

True North Gems
Regal Ridge Project
Surface Plan
2003 DRILL HOLE
COLLAR LOCATIONS
Date:9/9/2004
Author:
Office:
Drawing:
Scale: 1:500
Projection: UTM Zone 9 (NAD 83)
5 0 5 10
metres
N
Roads
Secondary Roads
6794600 mN
414700 mE
414750 mE
DDH03-10
DDH03-11
DDH03-12
1,750
DDH03-13
DDH03-14
1,760
6794550 mN
1,770
DDH03-05
DDH03-06
DDH03-07
DDH03-08
DDH03-09
DDH03-03
DDH03-04
DDH03-01
DDH03-02
6794500 mN
GOAL 256
GOAL 258
1,770

Figure 6

Figure 7


1800 mN
0 mE
100 mE
200 mE
1800 mN
A
A'
Southwest Raise
Southwest
Southwest 3
Mattcar
West
Far West
1700 mN
100 mE
APLITE
CHLORITE SCHIST
DIABASE
FAULT
GOUGE
GRANITE
META-SEDIMENTS
ALTERATION
QUARTZ VEIN
HOLEID
AU_PPM HISTOGRAM 0.1 MM/MM AT 1:200
ALT_N_TYPE TRACE SHADE
LITHOLOGY TRACE SHADE
EOH
True North Gems
Regal Ridge Project
Transversal Section
SECTION A-A'
Date 1/15/2004
Author B. Femberton
Office
Drawing
Scale 1:1000
Projection Non-Earth (meters)
10 0 10 20
metres

SAMPLING METHODOLOGY

SOIL SAMPLING

Soil samples were collected at 50 metre increments along gridlines on Regal Ridge. Enough soil to ensure 100 grams of -80 mesh material was collected. Samples were hung to dry in kraft paper bags, and then packaged for shipping by Air Canada Cargo to ALS Chemex labs in Vancouver. Every 50th sample was repeated for analytical check. The samples were analyzed by ALS Chemex utilizing the four acid "near total digest" with a combination of ICP Plasma Emission Spectroscopy and ICP Mass Spectroscopy (ME-MS61).

WHOLE ROCK ANALYSIS

Core samples were obtained primarily by halving the core using a diamond tile saw, and occasionally with a core splitter. Samples were usually 10 centimetres in length, the small sample size being necessary to evaluate subtle changes in geochemistry with distance from the mineralization centres.

Detailed whole rock geochemical sampling was undertaken across the mineralized veins in the working faces underground and prospective intervals in diamond drill core. The underground face samples were taken as continuous 10 centimetre by 10 centimetre chip samples using a hand or air chisel. The sample traverses spanned the quartz vein and extended into the wall rock. The size of the samples was chosen to provide the most detailed statistical representation possible based on the width of the veins being usually no less than 10 centimetres. It was desirable to maintain a constant size to the sample intervals in order to minimize variables in the subsequent data analysis. Similarly, 10 centimetre sample lengths were utilized in the diamond drill core sampling except where lithologic boundaries were encountered. Core samples were halved using a diamond tile saw. All rock samples were shipped to ALS Chemex for analysis by MS61 four acid near total digest ICPAES and ICPMS as discussed above.

In both the underground and drill core sampling, only the zones that contained favourable mineralization and alteration were sampled, though samples were extended intentionally into surrounding unaltered host rock to establish limits of mineralization.

PROCESSING PLANT SAMPLING METHODOLOGY

Material for processing at the wash plant was sourced from both the underground exploration and the surface trenching of emerald-bearing veins. Any visible emerald in excavated material was collected off or the working face or off of the muckpile and removed by the supervising geologist prior to the sample

delivery to the processing plant. The processing plant was built during the 2002 field season. It consists of a grizzly, single-stage jaw crusher, two conveyor belts for delivery, a washing screen, and a conveyor belt for sorting. The samples are first crushed to -5 centimetres, then washed and screened to remove most of the -3 mm fraction. The remainder is run over a slow moving conveyor belt where 4 to 8 workers scan the material for emerald. Minor refinements to the system were made in 2003, including a variable speed control on the sorting belt and improvements to the washing system, which uses jets of water to wash the crushed ore over the screens.

The tonnage generated from trenching and underground exploration far exceeded the capacity of the wash plant to process all the material. In order to evaluate the emerald grade from the veins encountered in the underground workings, any visible emerald from the face or stockpile was first collected, and then 10 tonne sample splits from the 50-tonne stockpile representing that particular mining round was processed. Emerald grade calculations were based on the gram weight recovered from the processed material divided by the total weight of material mined. There remains on site in labelled stockpiles approximately 2000 tonnes of material to be processed in 2004.

Discussion of Emerald Yield Data

In all, True North recovered 9,208.4 grams of emerald from underground, 6,803.81 grams of emerald from Mattscar, and 603.63 grams of emerald from other trenches. Detailed values are shown Table 3 below.

Table 3: Stone Count Results

Location	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Underground	987.0	285.8 g	2938.9 g	5983.5 g	9208.4 g
		0.3 g/T	2.9 g/T	6.1 g/T	9.3 g/T
Mattscar	960.7	377.5 g	3626.2 g	2800.2 g	6803.8 g
		0.39 g/T	3.77 g/T	2.91 g/T	7.08 g/T
Other Trenches	13.3	11.71 g	233.16 g	358.76 g	603.63

A limited selection of gem and near-gem material from the 2003 sampling program was submitted to laboratory facilities in British Columbia and China for preliminary experiments in calibrated cutting, automated faceting and polishing. In all, 2,026 rough stones with a weight of 1,034.8 grams of gem plus near-gem material were selected from the output of the 2003 sampling program for emeralds at Regal

Ridge. The British Columbia lab processed 406 gemstones with a total polished weight of 129.55 carats from a starting weight of 511.86 grams. The calibrated cutting test in China produced 679 gemstones for 134 carats from a 259-gram parcel of near and non-gem rough. From underground mini-bulk samples, 153 tonnes had been processed to represent a total of 454 tonnes mined. True North recovered 2,893.6 grams of gem plus-near gem fraction from this portion of the mini-bulk sample. Of this total, only 17 percent of the material was worked to produced 113.13 carats. Most of the gemstones from this sample set were cut as round brilliants. Individual stones ranged in size from 1.89 to 6.41 mm, corresponding to 0.03 to 0.75 carats in weight. In addition, several large stones (called "specials" in the trade) were cut, with the maximum to date an emerald cut weighing 2.39 carats.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

Emerald-bearing sample material was collected one of two ways: directly from outcrop or trench by the geologist; or, at the processing plant by workers at the picking belt under the direct supervision of a geologist. Every day, the emeralds collected in traverse or trenches, or in the processing plant, were put into sealed bags and transported in person by the supervising geologist to the stone room in camp.

The stone room in the base camp is a double-locked facility with access restricted to the stone clerk and the project manager. Each sample was identified separately for processing. Emeralds from different mining rounds underground were not mixed. However, two samples were blended when composites were made from Rounds 5 and 6 and also from Rounds 9 and 10.

Material sent to the stone room was documented at take in, and then trimmed, washed, sieved, picked, and packaged as field splits for delivery to True North Gems' Vancouver office. Packaging included detailed transmittal forms outlining the specific shipment. Samples and transmittal form were sealed in plastic buckets with tamper-proof lids.

The material was then removed from site via single engine aircraft direct to Whitehorse. From Whitehorse, it was transported via Air Canada Cargo directly to Vancouver and was delivered by registered courier to the Vancouver office. Special shipments were escorted as baggage.

In the Vancouver office, the shipping buckets were inspected to confirm lack of tampering. Samples were opened and transmittal sheets verified to ensure arrival of all material. There were no security breaches in transit during 2003.

The Vancouver office is equipped for monitoring by close-circuit video camera and parallel alarm systems. A large combination safe is locked inside of an armoured vault room secured by digital lock. True North's protocol and procedure for handling gemstones are compliant with standard practice in the international coloured gemstone industry.

Sample processing in Vancouver ultimately involved the picking and sorting of the rough emerald field splits done under the supervision of a graduate gemmologist, Mr. William R. Rohtert, True North Gems' Qualified Person, along with the assistance of Ms. Maja Kiridzija, and her staff, all Canadian professional diamond pickers. True North's intern gemmologist, Ms. Bonnie Pemberton, was responsible for the sorting and tabulation of the rough; the sample shipment to the stone preparation and cutting lab; and the take-in of polished goods.

Selected samples of non-emerald-bearing material were shipped to ALS Chemex (located at 212 Brooksbank Avenue, North Vancouver, British Columbia, V7J 2C1) for geochemical analysis. Chain of custody reports were transmitted with shipments to ensure against diversion and permit detection of tampering of geochemical samples.

CONCLUSIONS

SOIL GEOCHEMISTRY

The 2003 grid soil geochemistry survey has identified several stacked geochemical targets in three areas which warrant more detailed prospecting, including: 1) the airstrip; 2) the valley to the south of Regal Ridge; and, 3) the valley to the south of Howdee Ridge. The anomalies displayed similar geochemical signatures and magnitude to the geochemical enrichment known to accompany emerald in the Summit zone, specifically elevated concentrations of Be-Cu-W-Sn-F. It is noteworthy that the highest Cu-W values detected to date underlie the Summit zone on Regal Ridge.

UNDERGROUND EXPLORATION

Underground exploration was initiated in the 2003 field season. The 1760 adit was driven to intercept the down-dip projection of the Southwest vein, first discovered and sampled in 2002. The drift was driven into the middle of the 2003 diamond drilling array. The underground exploration in 2003 has demonstrated the continuity of emerald mineralization in quartz-tourmaline veins at depth. It has confirmed the correlation between the mineralization encountered underground and that exposed on the surface. It can now demonstrate the continuity of emerald-bearing quartz-tourmaline veins from surface outcrop, to those encountered in diamond drill holes, and those encountered in the underground workings over a lateral distance in the vein systems of 150 metres. The grade of the 987 tonne underground mini-bulk sample (Mining Rounds 1 – 21) was 3.2 grams per tonne gem plus near-gem. The grade of the 2002 surface mini-bulk sample from the Southwest vein was 111.4 grams per tonne gem plus near-gem. Underground, emerald was visible in twenty-one consecutive mining rounds down a mineralized strike length of 40 metres along the emerald shoot in the Southwest vein.

The subsurface program also successfully exposed a newly discovered footwall vein, designated SW #2 vein. Emeralds were found in sections of this vein in the underground workings, but only a small sample was processed. The raise on the Southwest #1 vein, a horsetail splay to the surface, also showed significant emerald mineralization for over nine metres in the vertical dimension. There was no confirmation of increased emerald size or quality underground, however, the largest faceted emeralds found to date were from the underground program (2.38 and 2.09 carats). The emerald material recovered from underground is similar to that found on surface.

SURFACE TRENCHING

The Mattscar zone excavation lies 150 metres to the northwest of the 1760 drift. It represents the most substantial surface excavation and trench sampling yet undertaken at Regal Ridge. In all, 960 tonnes were mined. The average emerald grade for the 2003 Mattscar mini-bulk sample was 4.2 grams per tonne gem plus near-gem. The emerald mineralization so far uncovered at Mattscar encompasses a zone at least 2 metres thick, and the footwall of the zone has yet to be unearthed. The Mattscar vein was opened by trenches over a strike length of 20 metres. It was exposed as emerald bearing outcrop for another 25 metres of strike length beyond the workings.

Other surface excavations on the West zone showed that emerald mineralization continues both further laterally to the west and to depth. The Far West zone extends the size of the area known to contain emerald-bearing mineralized quartz-tourmaline veins to a length of 1,200 metres, and with the Airport Aplite, that strike length has been increased to nearly 1,500 metres. Emerald is found over a width of 500 metres.

Significantly, the discovery of emeralds in the Airport Aplite in proximity to stoped fragments of chlorite schist confirms an important part of the model of emerald formation at Regal Ridge, specifically the role of the granitic rocks in providing the Be to the beryl mineralizing fluids, and in scavenging chromium from the metavolcanics.

The trenching on Areas 9 and 10 showed promising geology, but the lode source of the emeralds found nearby on surface as float has not yet been reliably identified.

Area 51 shows geology that is indicative of emerald mineralization. Quartz-tourmaline veins with rusty schist alteration envelopes are developed near an aplite dike.

DIAMOND DRILLING

The 2003 diamond drilling successfully outlined the Southwest vein at depth in preparation for underground exploration. The first nine holes also uncovered a succession of similar quartz-tourmaline veins, sub-parallel to the Southwest vein, which the 2003 Phase 2 drilling traced in cross-section westward and may be connected to the Mattscar and West veins. The diamond drilling has allowed a more detailed geological and structural understanding of the mineralization and Property geology. The mineralized zones are generally flat-lying packages of quartz tourmaline veins in altered chlorite schist which gradually steepen and horse-tail upwards proceeding towards the southeast. The strong shearing commonly observed along the vein contacts in surface and subsurface suggests that the veins form along and concurrently with low-angle thrust faulting. The shearing and compression was concurrent with productive quartz veining and emerald mineralization. Subsequent steep normal faulting offsetting the

emerald veins has occurred along a southwest - northeast trend, as exposed along the north-facing cirque of Regal Ridge.

RECOMMENDATIONS

GRID SOIL GEOCHEMISTRY

There are approximately 40 line-kilometres which require soil sampling in order to complete grid coverage of the property. Collection of an additional 500 soil samples is proposed for 2004.

DETAILED PROSPECTING

Detailed prospecting should continue on the four new Be-Cu-W-Sn-F soil geochemical anomalies based on the geological model developed in 2003. As soil sample data for 2004 becomes available, additional targets may warrant investigation.

SURFACE TRENCHING

Extensive trenching is recommended for 2004. The most important target is the high-grade emerald shoot discovered along the Southwest vein which lies along the trace to surface of underground mining rounds 8 through 13.

Each of the eight vein systems identified on the Property must be systematically sampled from multiple sites, with at least ten tonnes collected at each site. There may be trenching targets generated from prospecting of the four new composite geochemical anomalies. Each trench must be mapped in detail and investigated for emerald potential.

DIAMOND DRILLING

Diamond core drilling is recommended for 2004 to track the quartz-tourmaline veins and associated alteration haloes. Detailed geochemical sampling of the drill core will be conducted to assess the prospectivity of the veins for emerald. Approximately 3,000 metres (60 holes, ranging from 50-100 metres in length) are proposed to be drilled generally at 50 metre spacing (with infills, as required, proposed every 25 metres) to ensure adequate and appropriate coverage of the Summit zone.

SCREENING PLANT

The screening plant should be upgraded from its current capacity of 10 tonnes per day of operation, to 50 tonnes per day, in order to process the 2000 tonnes of material remaining in stockpiles from 2003 mining and trenching, and mini-bulk samples collected from targets trenched in 2004 during the short field season.

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CERTIFICATE OF QUALIFICATION

I, James Gregory Davison, residing at 921-7th Street, Montrose, British Columbia, Canada, V0G 1P0 do hereby certify that:

1. I am a Professional Geologist registered with the Association of Professional Geoscientists of Ontario. I meet the requirements of a "Qualified Person" as outlined in National Instrument 43-101.

2. I graduated from Dalhousie University in Halifax, Nova Scotia, Canada in 1979 with an Honours B.Sc. in Geology and from Brock University in St. Catharines, Ontario, Canada in 1984 with a M.Sc. in Geological Sciences.

3. I have practised my profession continuously since 1979. I am currently a self-employed contract exploration geologist, mineralogist, process mineralogist and managing director of Davison and Associates.

4. I am a Senior Associate Mineralogist with Watts, Griffis and McOuat Limited, a firm of consulting geologists and engineers, which has been authorized to practice professional engineering by the Professional Engineers Ontario since 1962.

5. I am a Fellow of the Geological Association of Canada, a Core Member of the Prospectors and Developers Association of Canada, a member of the Canadian Institute of Mining and Metallurgy, and a member of the Society for Mining, Metallurgy and Exploration.

6. I acted in the role of Project Manager with respect to the True North Gems Inc. 2004 exploration project.

7. I am a co-author of this report entitled ***2003 Report on Field Activities for the GOAL Claims, Regal Ridge Project, Yukon Territory, Canada*** and it is based on data supplied to me by True North Gems Inc. and information collected from previously published sources.

8. I have been actively involved in gemstone exploration, mine development and mining operations since 1988 in Canada, United States of America, Guatemala, Brazil, Colombia, South Africa, Lesotho, Namibia, Venezuela and Russia.

9. Neither I nor any affiliated entity of mine, have earned the majority of our income during the preceding three years from True North Gems Inc. or any associated or affiliated companies.

10. I have not previously worked on these properties.

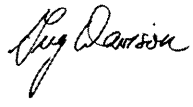
11. I have worked on the Regal Ridge property from May 2004 through September 2004 and I have not been involved with the initial collection or field preparation of the samples that are the focus of this report.

12. I have read the NI 43-101 and Form 43-101F1 and have prepared the technical report in conformity with generally accepted Canadian mining industry practice.

13. I am not aware of any material fact or material change with respect to the subject matter of the technical report which has not been reflected in the technical report, the omission to disclose which makes the technical report misleading.

14. This report may be utilized for the development of the property provided that no portion is used out of context in such a manner as to convey a meaning that differs from that set out in the whole.

15. Consent is hereby given to True North Gems Inc., to use or reproduce this report or any part of it for the purposes of development of the property, or related to the raising of funds.



Whitehorse, Yukon Territory
September 14, 2004

James Gregory Davison, M.Sc., P. Geo.

CERTIFICATE OF QUALIFICATIONS

I, **WILLIAM R. ROHTERT** of the City of Hermosa Beach in the state of California, United States of America, do hereby certify as follows:

I am a consulting geologist and gemmologist residing at 57 19th Street, Hermosa Beach, CA 90254.

I graduated from the University of California in Los Angeles in 1975 and hold a B.Sc. in Geology.

I graduated from the University of Colorado in Boulder in 1980 and hold a M.Sc. in Economic Geology.

I graduated from the Gemological Institute of America in Los Angeles in 1996 and hold a G.G. as Graduate Gemmologist.

I am a Professional Gemmologist registered with the International Coloured Gemstone Association in New York since 1996.

I have practised my profession continuously since 1975.

I have been actively involved in gemstone exploration, mine development and mining operations since 1989 at various sites in Canada, the United States of America, Mexico, Guatemala, Brazil, Colombia, Laos, Thailand, and Russia.

I am the senior author of this technical report on the ***2003 Report on Field Activities for the Regal Ridge Emerald Project, Yukon Territory, Canada*** and it is based on data supplied to me by True North Gems Inc. and information collected from previously published sources.

I have visited the Regal Ridge property in August 2003 for ten days, and reviewed company files and samples on two other visits to corporate headquarters, but I have not been involved with the initial collection or field preparation of the samples that are the focus of this report.

This report may be utilized for the development of the property provided that no portion is used out of context in such a manner as to convey a meaning that differs from that set out in the whole.

I am not aware of any material fact or material change with respect to the subject matter of the technical report which has not been reflected in the technical report, the omission to disclose which makes the technical report misleading.

I have read the National Instrument 43-101 and Form 43-101F1 and have prepared this report in compliance with the Instrument and Form 43-101F1.

Consent is hereby given to True North Gems, Inc., to use or reproduce this report or any part of it for the purposes of development of the property, or related to the raising of funds.

Dated in Hermosa Beach California, this fifteenth day of September, 2004

WILLIAM R. ROHTERT

B.SC., M.SC., G.G.

CERTIFICATE OF QUALIFICATIONS

I, **BONNIE C. PEMBERTON** of the City of Vancouver in the province of British Columbia of Canada, do hereby certify as follows:

I am a geologist residing at 103-7431 Blundell Road, Richmond, BC, Canada V6Y 3G8.

I graduated from The University of British Columbia in 2002 and hold a B.Sc. (Honours) in Geology.

I am a Geologist in Training, registered with The Association of Professional Engineers and Geoscientists of British Columbia since 2003.

I have practiced my profession continuously since 2002.

I am Project Coordinator for True North Gems Inc, and have been since September of 2002.

I worked at the Regal Ridge property for the duration of the 2002 field program as a geological assistant.

I am the co-author of this technical report on the ***2003 Report on Field Activities for the Regal Ridge Emerald Project, Yukon Territory, Canada*** and it is based on personal knowledge of the property, data supplied to me by True North Gems Inc. and information collected from previously published sources.

This report may be utilized for the development of the property provided that no portion is used out of context in such a manner as to convey a meaning that differs from that set out in the whole.

I am not aware of any material fact or material change with respect to the subject matter of the technical report which has not been reflected in the technical report, the omission to disclose which makes the technical report misleading.

I have read the National Instrument 43-101 and Form 43-101F1 and have prepared this report in compliance with the Instrument and Form 43-101F1.

Consent is hereby given to True North Gems, Inc., to use or reproduce this report or any part of it for the purposes of development of the property, or related to the raising of funds.

Dated in Vancouver, British Columbia, this fifteenth day of September, 2004

BONNIE C. PEMBERTON

B.SC. (HONOURS), GIT

QL25673/14

5. Interests in mineral properties (continued)

The following table details the Company's expenditures on interests in mineral properties for the nine month period ended September 30, 2003:

	Regal Ridge Property Yukon	Other Yukon Property Interests	Other Property Interests	Total
Balance December 31, 2002	$ 1,487,940	$ 133,830	$ -	$ 1,621,770
Acquisition				
Property option payments	-	175,000	53,000	228,000
Legal and other	320	1,572	21,852	23,744
Staking	-	36,391	-	36,391
Option payments received	-	(208,825)	-	(208,825)
Total acquisition costs	320	4,138	74,852	79,310
Exploration expenditure				
Application of advances to current exploration	(99,750)	-	-	(99,750)
Amortization	21,770	-	-	21,770
Aviation	383,315	-	-	383,315
Camp construction	313,857	-	-	313,857
Camp operations	366,023	-	-	366,023
Diamond drilling	102,445	-	-	102,445
Equipment maintenance	44,618	-	-	44,618
First Nation's initiatives	58,746	-	-	58,746
Geochemical	50,342	-	-	50,342
Insurance	16,524	-	-	16,524
Mobilization/demobilization	191,603	-	-	191,603
Other	264,765	-	-	264,765
Project management	148,466	-	3,400	151,866
Technical services	129,496	-	-	129,496
Underground operations	413,736	-	-	413,736
Total exploration expenditure	2,405,956	-	3,400	2,409,356
Less - write-off of deposit on property agreement	-	-	(20,000)	(20,000)
Balance September 30, 2003	$ 3,894,216	$ 137,968	$ 58,252	$ 4,090,436

This information includes costs incurred up to September 30, 2003. It is possible some remaining costs were paid after sept. 30, but this represents an accurate picture of our 2003 Field Expenditures.

APPENDIX B - DETAILED STONE COUNT DATA 2003

APPENDIX B

Rough Stone Sort - Gem, Near-Gem, and Non-Gem Material

All weights in grams

Sample Number:	200303070001		
Location:	SW Portal		
Initial Sample (tonnes)			
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	8.38	105.40	29.33
+2.0 mm			
Total:	8.38	105.40	29.33
grams/tonne			

Sample Number:	200301100001		
Location:	Round 1		
Initial Sample (tonnes)	25.4		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	0.13		
+2.0 mm			
Total:	0.13	0.00	0.00
grams/tonne	0.01	0.00	0.00

Sample Number:	200301100002		
Location:	Round 2		
Initial Sample (tonnes)	40.6		
Size	Gem	Near-Gem	Non-Gem
+11 mm		9.05	
+4.7 mm			
+4.0 mm			
+2.0 mm			
Total:	0.00	9.05	0.00
	0.00	0.22	0.00

Sample Number:	200301100003		
Location:	Round 3		
Initial Sample (tonnes)	48.5		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm	6.30	19.42	2.85
+4.0 mm	2.71	15.66	106.84
+2.0 mm	0.15	8.82	8.70
Total:	9.16	43.90	118.39
	0.19	0.91	2.44

Sample Number:	200301100004		
Location:	Round 4		
Initial Sample (tonnes)	37.1		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	34.17	103.00	591.55
+2.0 mm	0.61	3.65	46.20
Total:	34.78	106.65	637.75
grams/tonne	0.94	2.87	17.19

Sample Number:	20030110005/6		
Location:	Round 5/6		
Initial Sample (tonnes)	112.9		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm		3.90	19.43
+4.0 mm		0.47	3.55
+2.0 mm		2.30	3.03
Total:	0.00	6.67	26.01
	0.00	0.06	0.23

Sample Number:	200301100007		
Location:	Round 7		
Initial Sample (tonnes)	31.8		
Size	Gem	Near-Gem	Non-Gem
+11 mm		3.96	8.91
+4.7 mm			
+4.0 mm	0.50	23.57	346.82
+2.0 mm	0.22	4.17	49.40
Total:	0.72	31.70	405.13
	0.02	1.00	12.74

Sample Number:	200301100008		
Location:	Round 8		
Initial Sample (tonnes)	56.2		
Size	Gem	Near-Gem	Non-Gem
+11 mm	3.31		
+4.7 mm			
+4.0 mm	116.27	703.34	780.44
+2.0 mm	8.21	31.27	107.92
Total:	127.79	734.61	888.36
grams/tonne	2.27	13.07	15.81

Sample Number:	200301100009/10		
Location:	Round 9/10		
Initial Sample (tonnes)	136.9		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	28.91	251.58	1384.47
+2.0 mm	6.82	94.42	
Total:	35.73	346.00	1384.47
	0.26	2.53	10.11

Sample Number:	200301100011		
Location:	Round 11		
Initial Sample (tonnes)		42.1	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	8.55	217.84	522.62
+2.0 mm	1.66	22.91	43.14
Total:	10.21	240.75	565.76
	0.24	5.72	13.44

Sample Number:	200301100012		
Location:	Round 12		
Initial Sample (tonnes)		35.6	
Size	Gem	Near-Gem	Non-Gem
+11 mm		196.46	
+4.7 mm			
+4.0 mm	9.94	318.08	209.62
+2.0 mm	2.14	21.28	8.29
Total:	12.08	535.82	217.91
grams/tonne	0.34	15.05	6.12

Sample Number:	200301100013		
Location:	Round 13		
Initial Sample (tonnes)		34.7	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	39.66	345.08	394.78
+2.0 mm	3.40	23.51	26.52
Total:	43.06	368.59	421.30
	1.24	10.62	12.14

Sample Number:	200301100014		
Location:	Round 14		
Initial Sample (tonnes)		44.5	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	1.09	49.10	73.91
+2.0 mm	1.06	2.31	5.07
Total:	2.15	51.41	78.98
	0.05	1.16	1.77

Sample Number:	200301100015		
Location:	Round 15		
Initial Sample (tonnes)		24.6	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	2.04	136.70	159.67
+2.0 mm	1.83	2.97	27.26
Total:	3.87	139.67	186.93
grams/tonne	0.16	5.68	7.60

Sample Number:	200301100016		
Location:	Round 16		
Initial Sample (tonnes)		39.9	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	3.60	204.96	293.93
+2.0 mm	1.24	3.30	26.80
Total:	4.84	208.26	320.73
	0.12	5.22	8.04

Sample Number:	200301100017		
Location:	Round 17		
Initial Sample (tonnes)		44.5	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	0.21	26.08	633.62
+2.0 mm		2.42	53.06
Total:	0.21	28.50	686.68
	0.00	0.64	15.43

Sample Number:	200301100018		
Location:	Round 18		
Initial Sample (tonnes)		56.2	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	0.10	10.10	5.57
+2.0 mm			
Total:	0.10	10.10	5.57
grams/tonne	0.00	0.18	0.10

Sample Number:	200301100019		
Location:	Round 19		
Initial Sample (tonnes)		62.4	
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm		9.35	29.63
+2.0 mm			
Total:	0.00	9.35	29.63
	0.00	0.15	0.47

Sample Number:	200301101000		
Location:	Raise 1 Round 1		
Initial Sample (tonnes)		24.5	
Size	Gem	Near-Gem	Non-Gem
+11 mm		61.75	
+4.7 mm			
+4.0 mm	1.01	6.16	9.93
+2.0 mm			
Total:	1.01	67.91	9.93
	0.04	2.77	0.41

Mattscar Pit #1

Sample Number:	200304070001			Sample Number:	200304070002			Sample Number:	200304070003		
Location:	Mattscar			Location:	Mattscar			Location:	Mattscar		
Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem
+11 mm				+11 mm				+11 mm		47.41	113.29
+4.7 mm		146.66	39.28	+4.7 mm				+4.7 mm			
+4.0 mm				+4.0 mm	5.02	278.69	114.66	+4.0 mm	13.04	258.55	112.27
+2.0 mm		15.70		+2.0 mm				+2.0 mm	6.66	30.15	17.70
Total:	0.00	162.36	39.28	Total:	5.02	278.69	114.66	Total:	19.70	336.11	243.26

Sample Number:	200304070004			Sample Number:	200304070005			Sample Number:	200316030001		
Location:	Mattscar			Location:	Mattscar			Location:	Mattscar		
Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem
+11 mm		345.44	344.20	+11 mm	157.65	217.59	240.02	+11 mm	26.21	115.61	3.85
+4.7 mm	12.69	96.05	1.58	+4.7 mm				+4.7 mm			
+4.0 mm	2.54	11.06	20.97	+4.0 mm		497.94	240.02	+4.0 mm			
+2.0 mm	1.14	16.71	10.99	+2.0 mm	6.46	55.69	24.97	+2.0 mm			
Total:	16.37	469.26	377.74	Total:	164.11	771.22	505.01	Total:	26.21	115.61	3.85

Sample Number:	200302070020			Sample Number:	200304070013			Location:	**Mattscar Pit #1**		
Location:	Mattscar			Location:	Mattscar			Initial Tonnage:	192.4		
Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem
+11 mm				+11 mm				+11 mm	183.86	726.05	701.36
+4.7 mm	2.23	117.81	51.29	+4.7 mm				+4.7 mm	14.92	360.52	92.15
+4.0 mm	0.44	95.56	108.90	+4.0 mm				+4.0 mm	21.04	1141.80	596.82
+2.0 mm	7.16	50.04	33.79	+2.0 mm	0.06	7.51	0.27	+2.0 mm	21.48	175.80	87.72
Total:	9.83	263.41	193.98	Total:	0.06	7.51	0.27	Total:	241.30	2404.17	1478.05
								grams/tonne	1.25	12.50	7.68

Mattscar Pit #2

Sample Number:	200304070006			Sample Number:	200304060005			Location:	**Mattscar Pit #2**		
Location:	Mattscar			Location:	Mattscar			Initial Tonnage:	269.4		
Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem
+11 mm				+11 mm				+11 mm	0.00	0.00	0.00
+4.7 mm	0.87	8.15	28.87	+4.7 mm	0.32	3.29	28.73	+4.7 mm	1.19	11.44	57.60
+4.0 mm		4.59	0.96	+4.0 mm		6.69	19.30	+4.0 mm	0.00	11.28	20.26
+2.0 mm	0.20	3.14	1.45	+2.0 mm	0.06	1.54	4.22	+2.0 mm	0.26	4.68	5.67
Total:	1.07	15.88	31.28	Total:	0.38	11.52	52.25	Total:	1.45	27.40	83.53
								grams/tonne	0.01	0.10	0.31

Mattscar Pit #3

Sample Number:	200304070008			Sample Number:	200304070009			Sample Number:	200304070010		
Location:	Mattscar			Location:	Mattscar			Location:	Mattscar		
Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem
+11 mm				+11 mm				+11 mm			
+4.7 mm				+4.7 mm				+4.7 mm	11.32	46.50	30.43
+4.0 mm	5.62	142.31	178.85	+4.0 mm	5.06	21.68	23.70	+4.0 mm	11.91	19.92	3.01
+2.0 mm	1.99	30.77	8.39	+2.0 mm		4.40		+2.0 mm	8.99	3.54	14.72
Total:	7.61	173.08	187.24	Total:	5.06	26.08	23.70	Total:	32.22	69.96	48.16

Location:	**Mattscar Pit #3**		
Initial Tonnage:	183.0		
Size	Gem	Near-Gem	Non-Gem
+11 mm	0.00	0.00	0.00
+4.7 mm	11.32	46.50	30.43
+4.0 mm	22.59	183.91	205.56
+2.0 mm	10.98	38.71	23.11
Total:	44.89	269.12	259.10
grams/tonne	0.25	1.47	1.42

Mattscar Pit #5

Sample Number:	200305070001			Sample Number:	200305070002			Sample Number:	200305070003		
Location:	Mattscar			Location:	Mattscar			Location:	Mattscar		
Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem	Size	Gem	Near-Gem	Non-Gem
+11 mm				+11 mm			40.51	+11 mm			
+4.7 mm				+4.7 mm		209.63		+4.7 mm			
+4.0 mm		25.02	45.80	+4.0 mm	33.56	77.01	491.52	+4.0 mm	12.99	38.17	22.35
+2.0 mm	1.32			+2.0 mm	14.43	129.82	171.68	+2.0 mm	3.87	2.64	8.85
Total:	1.32	25.02	45.80	Total:	47.99	416.46	703.71	Total:	16.86	40.81	31.20

Location:	**Mattscar Pit #5**		
Initial Tonnage:	66.6		
Size	Gem	Near-Gem	Non-Gem
+11 mm	0.00	0.00	40.51
+4.7 mm	0.00	209.63	0.00
+4.0 mm	46.55	140.20	559.67
+2.0 mm	19.62	132.46	180.53
Total:	66.17	482.29	780.71
grams/tonne	0.99	7.24	11.72

Mattscar Pit #6

Sample Number:	200305070004		
Location:	Mattscar		
Initial Tonnage	72.5		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm		3.05	6.82
+2.0 mm	1.19		
Total:	1.19	3.05	6.82
grams/tonne	0.02	0.04	0.09

Sample Number:	Mattscar Unknown		
Sample Number:	unnumbered		
Location:	Mattscar		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm	9.18	124.44	112.23
+4.0 mm	2.70	28.83	27.54
+2.0 mm	4.02	40.30	2.07
Total:	15.90	193.57	141.84

Location:	**Mattscar Pit #6**		
Initial Tonnage:	120.6		
Size	Gem	Near-Gem	Non-Gem
+11 mm	0.00	0.00	0.00
+4.7 mm	9.18	124.44	112.23
+4.0 mm	2.70	31.88	34.36
+2.0 mm	5.21	40.30	2.07
Total:	17.09	196.62	148.66
grams/tonne	0.14	1.63	1.23

Mattscar Pit #7

Sample Number:	200305070005		
Location:	Mattscar		
Initial Tonnage:	103.5		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm	6.46	141.70	50.10
+4.0 mm			
+2.0 mm			
Total:	6.46	141.70	50.10
grams/tonne	0.06	1.37	0.48

Sample Number:	2003 Mattscar HDF Blend		
Location:	Mattscar		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm			
+2.0 mm	0.14	104.86	
Total:	0.14	104.86	0.00

Other Trenches

Sample Number:	200302030001		
Location:	SW		
Size	Gem	Near-Gem	Non-Gem
+11 mm			61.73
+4.7 mm			
+4.0 mm		14.40	6.56
+2.0 mm	0.22		
Total:	0.22	14.40	68.29

Sample Number:	200302100002		
Location:	SW Vein		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	0.81	10.44	170.82
+2.0 mm			
Total:	0.81	10.44	170.82

Sample Number:	200301070001		
Location:	Far West #1		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm	1.53	65.64	38.95
+4.0 mm	0.13	49.01	26.82
+2.0 mm	0.99	11.94	11.95
Total:	2.65	126.59	77.72

Sample Number:	200309070001		
Location:	West/Mattscar		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm			
+2.0 mm	3.04	20.51	6.43
Total:	3.04	20.51	6.43

Sample Number:	200315030002		
Location:	Far West		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm		1.91	
+2.0 mm			
Total:	0.00	1.91	0.00

Sample Number:	200304030025		
Location:	Expatriate		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm			
+2.0 mm	0.14	0.81	
Total:	0.14	0.81	0.00

Sample Number:	200316030002		
Location:	Area 51 E		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	4.46	23.20	9.22
+2.0 mm	0.05	4.10	18.14
Total:	4.51	27.30	27.36

Sample Number:	200304030026		
Location:	Area 9		
Size	Gem	Near-Gem	Non-Gem
+11 mm			
+4.7 mm			
+4.0 mm	0.34	0.17	7.54
+2.0 mm			
Total:	0.34	0.17	7.54

Sample Number:	200309030001		
Location:	Hero Aplite		
Initial Tonnage:	13.3		
Size	Gem	Near-Gem	Non-Gem
+11 mm		31.03	
+4.7 mm			
+4.0 mm			
+2.0 mm			0.60
Total:	0.00	31.03	0.60
grams/tonne	0.00	2.33	0.05

APPENDIX C - SUMMARY STONE COUNT DATA 2003

APPENDIX C

Rough Stone Sort Summary

All weights in grams

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
SW Portal	200303070001		8.38	105.40	29.33	143.11
Round 1	200301100001	25.4	0.13	0.00	0.00	0.13
Round 2	200301100002	40.6	0.00	9.05	0.00	9.05
Round 3	200301100003	48.5	9.16	43.90	118.39	171.45
Round 4	200301100004	37.1	34.78	106.65	637.75	779.18
Round 5/6	20030110005/6	112.9	0.00	6.67	26.01	32.68
Round 7	200301100007	31.8	0.72	31.70	405.13	437.55
Round 8	200301100008	56.2	127.79	734.61	888.36	1750.76
Round 9/10	200301100009/10	136.9	35.73	346.00	1384.47	1766.20
Round 11	200301100011	42.1	10.21	240.75	565.76	816.72
Round 12	200301100012	35.6	12.08	535.82	217.91	765.81
Round 13	200301100013	37.4	43.06	368.59	421.30	832.95
Round 14	200301100014	44.5	2.15	51.41	78.98	132.54
Round 15	200301100015	24.6	3.87	139.67	186.93	330.47
Round 16	200301100016	39.9	4.84	208.26	320.73	533.83
Round 17	200301100017	44.5	0.21	28.50	686.68	715.39
Round 18	200301100018	56.2	0.10	10.10	5.57	15.77
Round 19	200301100019	62.4	0.00	9.35	29.63	38.98
Round 20		53.0	0.00	0.00	0.00	0.00
Round 21		57.7	0.00	0.00	0.00	0.00
Total Underground		987.2	284.8	2871.0	5973.6	9129.5
Total grams/tonne			0.29	2.91	6.05	9.25

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Raise 1 Round 1	200301101000	24.5	1.01	67.91	9.93	78.85
Total grams/tonne			0.04	2.77	0.41	3.22

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 1	200304070001		0.00	162.36	39.28	201.64
	200304070002		5.02	278.69	114.66	398.37
	200304070003		19.70	336.11	243.26	599.07
	200304070004		16.37	469.26	377.74	863.37
	200304070005		164.11	771.22	505.01	1440.34
	200316030001		26.21	115.61	3.85	145.67
	200302070020		9.83	263.41	193.98	467.22
	200304070013		0.06	7.51	0.27	7.84
Total Mattscar Pit 1		192.4	241.30	2404.17	1478.05	4123.52
Total grams/tonne			1.25	12.50	7.68	21.43

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 2	200304070006	109.2	1.07	15.88	31.28	48.23
	200304060005	87.4	0.38	11.52	52.25	64.15
Total Mattscar Pit 2		269.4	1.45	27.40	83.53	112.38
Total grams/tonne			0.01	0.10	0.31	0.42

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 3	200304070008	58.2	7.61	173.08	187.24	367.93
	200304070009	66.6	5.06	26.08	23.70	54.84
	200304070010	58.2	32.22	69.96	48.16	150.34
Total Mattscar Pit 3		183.0	44.89	269.12	259.10	573.11
Total grams/tonne			0.25	1.47	1.42	3.13

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 4		25.2				

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 5	200305070001		1.32	25.02	45.80	72.14
	200305070002		47.99	416.46	703.71	1168.16
	200305070003		16.86	40.81	31.20	88.87
Total Mattscar Pit 5		66.6	66.17	482.29	780.71	1329.17
Total grams/tonne			0.99	7.24	11.72	19.96

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 6	200305070004	27.3	1.19	3.05	6.82	11.06
	unnumbered	48.1	15.90	193.57	141.84	351.31
Total Mattscar Pit 6		120.6	17.09	196.62	148.66	362.37
Total grams/tonne			0.14	1.63	1.23	3.00

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar Pit 7	200305070005	103.5	6.46	141.70	50.10	198.26
Total grams/tonne			0.06	1.37	0.48	1.92

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Mattscar	2003 Mattscar HDF Blend		0.14	104.86	0.00	105.00

Total Mattscar	960.7	377.50	3626.16	2800.15	6803.81
Total grams/tonne		0.39	3.77	2.91	7.08

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
SW	200302030001		0.22	14.40	68.29	82.91
SW Vein	200302100002		0.81	10.44	170.82	182.07
Far West #1	200301070001		2.65	126.59	77.72	206.96
West/Mattscar	200309070001		3.04	20.51	6.43	29.98
Far West	200315030002		0.00	1.91	0.00	1.91
Expatriate	200304030025		0.14	0.81	0.00	0.95
Area 51 E	200316030002		4.51	27.30	27.36	59.17
Area 9	200304030026		0.34	0.17	7.54	8.05
Hero Aplite	200309030001	13.3	0.00	31.03	0.60	31.63
Total		13.3	11.71	233.16	358.76	603.63

1999 Expatriate Sample

Location	Sample Number	Tonnage	Gem	Near-Gem	Non-Gem	Total Emerald
Area 4			1.63	3.38	78.82	83.83
Area 6			1.83	36.50	591.81	630.14
Area 6/7			31.55	391.43	376.46	799.44
Area 9			31.59	98.82	454.61	585.02
Area 10			17.48	82.13	281.19	380.80
Area 14			0.28	11.43	446.36	458.07
Total			84.36	623.69	2229.25	2937.30

Grand Total		767.79	7527.35	11401.02	19696.16

APPENDIX D - ANALYTICAL CERTIFICATES –SOIL GEOCHEMISTRY

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

: TRUE NORTH GEMS
601 - 602 W. HASTINGS ST.
VANCOUVER BC V6B 1P2

Date : 23-Jun-2003
Account: THR

CERTIFICATE VA03020561

Project : Regal Ridge

P.O. No:

This report is for 42 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 13-Jun-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601 - 602 W. HASTINGS ST.
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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TRUE NORTH GEMS
601 - 602 W. HASTINGS ST.
VANCOUVER BC V6B 1P2

Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399020001		0.16	0.02	6.89	2.4	690	1.28	0.14	1.90	0.11	43.5	13.4	91	5.02	18.8	2.43
200399020002		0.12	0.12	5.10	3.7	370	0.96	0.15	2.51	0.18	29.9	13.5	80	10.05	15.8	2.87
200399020003		0.20	<0.02	6.41	9.7	700	1.52	0.23	2.53	0.31	88.1	29.3	227	8.68	26.1	4.03
2[illegible]020004		0.22	<0.02	5.90	10.2	670	1.70	0.33	2.51	0.27	67.5	43.1	349	11.40	32.0	4.47
20[illegible]9020005		0.24	<0.02	5.87	8.1	660	1.68	0.26	2.49	0.27	56.2	33.3	304	8.53	33.1	3.95
200399020006		0.12	0.05	3.77	3.7	470	1.13	0.24	1.72	0.18	53.0	12.6	183	4.59	9.4	2.41
200399020007		0.16	<0.02	6.13	6.9	620	2.26	0.21	2.86	0.29	48.3	26.7	174	11.75	33.7	3.54
200399020008		0.16	0.05	4.60	4.6	520	1.50	0.24	2.76	0.38	50.2	18.8	214	4.89	12.4	2.71
200399020009		0.16	0.09	7.46	2.5	760	1.26	0.14	2.13	0.14	32.2	14.7	95	3.78	18.0	2.45
200399020010		0.18	0.18	5.84	3.7	500	1.51	0.24	2.03	0.22	31.8	40.5	502	13.55	23.0	4.44
200399020011		0.24	0.13	6.36	3.4	360	1.11	0.21	2.36	0.33	18.10	71.2	722	10.70	56.1	5.27
200399020012		0.44	0.15	6.07	4.3	600	2.33	0.19	2.47	0.20	39.1	25.9	308	16.25	24.7	4.14
200399020013		0.18	0.16	6.45	2.1	720	1.46	0.16	1.72	0.16	32.6	12.8	92	9.22	18.4	2.34
200399020014		0.22	0.10	6.82	2.4	660	1.74	0.18	2.47	0.16	33.4	28.6	184	6.02	27.7	3.25
200399020015		0.24	0.09	7.83	1.6	870	1.38	0.12	1.84	0.10	33.2	5 3	10	1.46	17.8	1.72
200399021001		0.62	0.08	6.16	4.9	580	1.44	0.13	2.87	0.16	51.0	36.1	455	5.10	27.4	4.61
200399021002		0.48	0.06	6.20	4.2	540	1.13	0.10	3.40	0.18	38.4	39.9	558	2.72	14.8	5.16
200399021003		0.42	0.23	7.79	10.0	760	1.56	0.28	1.85	0.28	46.4	40.3	268	15.10	61.0	4.65
200399021004		0.64	0.07	7.60	6.1	700	1.69	0.17	3.80	0.16	66.6	37.4	308	14.70	35.1	4.86
200399021005		0.60	0.07	5.68	6.3	660	1.68	0.15	3.11	0.27	59.8	31.3	330	3.25	21.2	3.86
200399021006		0.48	0.04	6.30	6.6	870	1.90	0.16	2.23	0.40	71.8	26.4	231	3.38	17.2	3.58
200399021007		0.36	0.08	5.77	7.6	770	1.54	0.16	2.24	0.15	63.7	42.6	372	9.96	24.6	4.34
200399021008		0.46	0.06	3.93	3.8	420	0.88	0.10	4.81	0.10	32.7	52.1	729	2.50	26.9	4.87
[illegible]99021009		0.80	0.08	4.57	4.4	490	1.28	0.17	3.64	0.14	49.0	42.9	692	5.79	16.0	4.90
[illegible]99021010		0.56	0.08	5.99	6.7	790	1.60	0.19	2.20	0.20	60.8	37.0	313	7.46	15.2	4.06
200399021011		0.48	0.05	3.84	1.9	170	0.53	0.06	5.65	0.07	10.25	52.6	876	1.78	12.6	5.00
200399021012		0.44	0.09	6.15	10.6	820	1.52	0.23	1.85	0.58	50.1	16.2	188	7.47	15.0	4.16
200399021013		0.44	0.04	3.95	3.1	370	0.92	0.16	3.47	0.16	27.7	51.2	707	3.62	20.5	4.84
200399022001		0.46	0.05	5.34	3.8	760	1.58	0.12	2.13	0.23	58.4	40.1	388	4.31	13.4	3.68
200399022002		0.52	0.07	5.55	4.9	820	1.50	0.14	2.68	0.21	57.8	43.6	267	3.91	15.8	3.72
200399022003		0.28	0.06	6.42	5.0	890	1.54	0.15	1.78	0.16	52.4	30.4	163	3.42	13.7	3.44
200399022004		0.30	0.10	7.14	8.2	960	1.76	0.29	1.53	0.22	42.9	60.2	351	10.35	25.6	4.40
200399022005		0.48	0.06	8.40	1.4	750	1.53	0.12	2.64	0.08	33.8	12.7	46	1.85	20.6	2.57
200399022006		0.38	0.06	6.06	2.7	430	0.89	0.12	4.27	0.16	36.8	54.0	491	4.65	46.3	5.13
200399022007		0.20	0.06	4.81	3.9	290	0.64	0.12	3.34	0.18	26.7	57.1	601	6.25	48.2	5.09
200399022008		0.32	0.17	5.39	3.4	450	1.06	0.12	2.86	0.16	42.4	50.8	525	3.94	30.8	4.31
200399022009		0.38	<0.02	5.65	3.7	450	1.86	0.14	2.90	0.16	39.7	45.6	548	4.04	29.5	4.61
200399022010		0.26	0.02	5.80	4.7	450	1.02	0.12	2.78	0.18	40.7	47.3	459	2.90	37.7	4.79
200399022011		0.50	0.05	5.56	4.2	470	1.13	0.09	2.95	0.16	45.6	52.2	379	2.64	47.5	4.73
200399022012		0.66	<0.02	6.48	6.4	720	1.63	0.15	2.30	0.29	63.6	29.4	240	7.22	39.2	4.08

Comments: REE's may not be totally soluble in MS61 method.

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TRUE NORTH GEMS
601 - 602 W. HASTINGS ST.
VANCOUVER BC V6B 1P2

Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399022013		0.42	<0.02	6.41	7.5	800	1.52	0.16	2.05	0.23	70.9	24.3	176	3.04	24.5	3.54
200399022014		0.62	<0.02	6.39	7.5	720	1.38	0.14	2.21	0.29	54.6	25.5	146	3.96	22.3	3.80

Comments: REE's may not be totally soluble in MS61 method.

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TRUE NORTH GEMS
601 - 602 W. HASTINGS ST.
VANCOUVER BC V6B 1P2

Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399020001		16.35	0.16	2.8	0.027	1.66	23.9	19.7	1.85	465	1.36	2.19	7.0	80.8	800	11.5
200399020002		12.20	0.18	0.5	0.032	0.75	16.1	11.7	1.88	402	1.17	1.23	5.1	58.9	1250	6.6
200399020003		15.10	0.23	1.8	0.048	1.20	45.0	26.1	3.08	813	1.28	1.41	13.0	151.5	890	13.4
2[illegible]1020004		14.90	0.21	1.5	0.054	1.10	34.1	30.7	4.13	846	1.30	0.93	11.5	220	640	14.1
20[illegible]9020005		14.00	0.20	1.5	0.043	1.16	29.3	26.1	4.20	715	1.21	1.14	9.2	208	720	11.4
200399020006		12.40	0.19	0.8	0.028	0.96	28.6	10.6	2.11	409	0.97	0.82	6.7	87.4	700	8.9
200399020007		13.55	0.22	1.4	0.037	1.10	25.9	26.2	3.43	745	1.00	1.25	7.9	149.0	780	10.1
200399020008		13.00	0.19	0.6	0.033	1.08	27.1	13.0	3.07	559	1.03	1.05	6.4	115.5	870	9.2
200399020009		16.50	0.12	2.9	0.021	1.85	17.6	20.5	2.05	467	1.43	2.36	5.2	120.5	580	9.7
200399020010		13.35	0.14	1.0	0.031	0.91	17.0	29.4	5.77	709	0.93	0.86	6.3	324	1200	8.5
200399020011		12.30	0.12	0.9	0.026	0.69	9.0	36.3	7.30	2040	1.09	0.71	3.3	498	1110	7.2
200399020012		12.70	0.16	1.1	0.032	1.06	21.0	33.3	4.15	694	0.99	1.11	6.3	173.0	1160	9.9
200399020013		14.75	0.13	2.0	0.021	1.65	18.8	20.2	1.74	454	1.44	1.84	5.0	74.8	1320	9.5
200399020014		14.75	0.12	2.1	0.026	1.51	18.4	20.7	3.31	883	1.28	1.81	5.6	130.0	810	9.3
200399020015		17.85	0.11	3.2	0.015	2.29	18.9	19.6	0.57	387	1.67	2.82	5.3	6.0	560	9.6
200399021001		12.95	0.18	1.2	0.041	1.04	27.7	21.5	5.57	742	0.84	1.05	9.0	273	600	10.2
200399021002		11.65	0.16	0.8	0.037	0.94	20.4	17.5	6.64	832	0.72	0.96	6.1	328	430	8.4
200399021003		15.80	0.15	1.2	0.051	1.17	24.5	28.3	3.39	906	1.76	0.92	8.0	166.5	1240	15.3
200399021004		13.95	0.19	1.1	0.038	1.12	35.4	27.4	4.85	893	1.00	1.29	8.6	177.0	630	9.9
200399021005		11.85	0.16	1.2	0.037	1.14	31.6	18.6	4.34	722	0.96	1.17	8.6	302	650	10.8
200399021006		13.45	0.18	1.3	0.039	1.49	38.4	19.6	2.89	637	1.02	1.51	9.5	355	650	12.8
200399021007		12.00	0.18	1.5	0.036	1.26	33.8	21.7	4.61	850	0.88	1.20	10.0	434	900	11.2
200399021008		7.53	0.14	0.7	0.023	0.68	17.9	10.6	9.65	1020	0.62	0.71	4.8	428	320	6.0
[illegible]399021009		9.57	0.18	0.9	0.032	0.93	26.8	15.7	7.20	968	0.65	1.01	7.1	368	480	8.3
[illegible]399021010		13.45	0.16	1.7	0.034	1.32	32.6	20.3	3.98	710	1.17	1.44	10.4	421	330	12.2
200399021011		6.52	0.13	0.5	0.020	0.34	5.5	9.9	11.35	1125	0.39	0.50	1.8	356	170	2.6
200399021012		15.40	0.16	1.4	0.044	1.41	28.0	25.8	2.12	514	1.63	1.14	8.9	78.1	430	15.4
200399021013		6.91	0.10	0.6	0.026	0.69	13.5	13.2	9.23	1040	0.54	0.69	4.4	354	450	6.1
200399022001		10.45	0.13	1.3	0.031	1.24	31.1	17.8	4.91	689	0.78	1.28	9.8	387	560	10.8
200399022002		11.00	0.14	1.3	0.034	1.25	31.2	17.9	4.96	725	1.00	1.25	9.7	408	710	11.8
200399022003		13.15	0.13	2.0	0.031	1.61	28.0	18.0	2.14	782	1.16	1.71	8.7	192.0	780	12.7
200399022004		16.20	0.17	2.2	0.039	1.56	24.0	28.5	4.43	1005	1.69	1.29	10.0	598	1040	15.2
200399022005		18.55	0.11	3.4	0.023	1.93	18.4	17.6	1.57	484	1.60	2.70	5.9	52.8	630	9.7
200399022006		9.95	0.16	0.8	0.033	0.79	19.8	21.2	8.26	995	0.59	0.96	6.0	450	340	6.7
200399022007		9.34	0.23	0.9	0.029	0.58	14.8	13.6	8.66	1015	0.71	0.61	4.7	393	650	6.8
200399022008		10.70	0.23	1.0	0.037	0.84	23.3	18.4	7.29	676	0.54	0.83	7.5	452	390	7.8
200399022009		11.30	0.20	1.3	0.036	0.89	22.5	19.9	6.86	770	0.73	0.86	8.5	387	410	7.6
200399022010		11.65	0.20	1.1	0.033	0.87	22.9	17.6	6.81	766	0.74	0.87	7.7	392	470	7.9
200399022011		11.00	0.23	1.0	0.035	0.86	25.0	17.4	6.97	778	0.62	0.90	7.2	414	360	7.7
200399022012		13.20	0.23	1.5	0.041	1.21	36.3	25.5	3.58	709	0.84	1.37	11.8	135.0	740	10.7

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Ll	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
200399022013		13.50	0.22	1.6	0.037	1.34	37.0	22.6	2.93	626	1.16	1.33	12.4	138.5	780	13.9
200399022014		12.85	0.23	1.4	0.037	1.18	30.0	23.4	2.96	683	0.94	1.21	10.5	100.5	660	11.1

Comments: REE's may not be totally soluble in MS61 method.

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Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399020001		40.7	0.004	0.04	0.56	<1	1.0	431	0.44	0.09	6.4	0.25	0.26	2.2	66	0.9
200399020002		27.5	0.004	0.12	0.54	<1	1.4	148.0	0.08	0.12	4.4	0.23	0.20	1.4	134	0.8
200399020003		48.6	0.005	0.02	1.10	<1	2.1	185.5	0.81	0.16	13.9	0.40	0.39	2.9	157	2.3
2)020004		47.7	0.003	0.02	0.97	<1	2.7	117.0	0.79	0.13	9.7	0.35	0.40	2.2	166	2.2
200399020005		44.0	0.004	0.03	0.84	<1	2.0	166.5	0.54	0.11	8.4	0.30	0.36	2.1	147	1.8
200399020006		37.6	0.004	0.06	0.71	<1	2.5	123.0	0.05	0.14	8.2	0.36	0.33	2.0	135	12.8
200399020007		40.2	0.004	0.03	0.78	<1	2.0	175.5	0.34	0.12	6.9	0.27	0.29	1.9	133	1.3
200399020008		45.8	0.004	0.06	0.59	<1	2.1	177.0	0.09	0.11	7.2	0.29	0.30	1.8	131	1.1
200399020009		41.9	0.003	0.03	0.49	1	0.8	508	0.31	<0.05	5.6	0.22	0.24	2.0	64	0.7
200399020010		37.7	0.002	0.08	0.42	<1	2.1	120.5	0.25	<0.05	5.8	0.23	0.33	1.5	135	2.2
200399020011		24.4	0.002	0.09	0.36	<1	1.3	110.0	0.22	0.05	3.8	0.14	0.28	1.2	133	2.0
200399020012		44.5	0.002	0.05	0.51	1	2.3	158.0	0.19	<0.05	6.7	0.26	0.33	1.6	152	2.6
200399020013		45.6	0.002	0.08	0.46	1	1.1	367	0.18	<0.05	6.1	0.20	0.30	2.1	73	1.2
200399020014		41.7	0.002	0.04	0.49	<1	1.3	376	0.30	<0.05	5.9	0.23	0.26	1.9	102	1.0
200399020015		50.0	<0.002	0.02	0.46	1	0.7	594	0.39	<0.05	6.2	0.21	0.25	2.3	37	0.6
200399021001		45.2	0.002	0.01	0.54	1	1.5	135.5	0.51	<0.05	9.6	0.32	0.28	2.0	157	1.4
200399021002		36.8	0.002	0.02	0.41	1	1.2	114.5	0.27	<0.05	7.2	0.26	0.23	1.3	164	0.8
200399021003		54.5	0.003	0.07	0.89	2	1.6	120.5	0.44	<0.05	9.1	0.28	0.40	2.5	177	1.8
200399021004		44.7	0.002	0.02	0.62	1	2.0	165.5	0.41	<0.05	11.6	0.32	0.30	2.4	180	1.6
200399021005		45.6	<0.002	0.01	0.61	1	1.7	168.5	0.31	<0.05	9.9	0.32	0.29	2.1	142	1.0
200399021006		58.4	0.003	0.02	0.69	2	2.0	212	0.25	<0.05	12.1	0.38	0.39	2.2	132	1.2
200399021007		54.7	0.002	0.02	0.76	1	1.8	164.5	0.42	<0.05	11.6	0.35	0.33	2.2	136	1.5
200399021008		25.8	0.002	0.01	0.28	1	0.9	89.4	0.17	<0.05	5.4	0.19	0.17	1.2	146	0.6
399021009		36.2	0.002	0.01	0.67	1	1.8	149.5	0.33	<0.05	9.3	0.27	0.22	1.7	135	2.9
399021010		53.5	0.002	0.02	0.75	1	1.9	236	0.55	<0.05	10.8	0.35	0.33	2.2	127	2.4
200399021011		10.2	<0.002	0.01	0.17	1	0.5	80.1	0.11	<0.05	2.3	0.10	0.07	0.5	150	0.5
200399021012		66.1	0.003	0.02	0.83	1	1.9	159.0	0.28	<0.05	9.5	0.35	0.42	2.0	161	1.2
200399021013		26.8	0.002	0.02	0.36	<1	1.3	77.8	0.15	<0.05	4.7	0.18	0.18	1.0	139	1.6
200399022001		47.7	0.002	0.01	0.60	1	1.7	178.5	0.27	<0.05	9.4	0.32	0.31	2.1	109	1.3
200399022002		46.2	0.004	0.01	0.73	1	1.7	183.5	0.27	<0.05	10.2	0.31	0.33	2.3	118	1.4
200399022003		50.3	<0.002	0.02	0.62	<1	1.5	297	0.35	<0.05	9.2	0.31	0.34	2.3	97	1.1
200399022004		64.9	0.004	0.06	0.98	1	1.9	242	0.54	0.05	9.9	0.31	0.47	2.4	133	2.4
200399022005		43.1	0.002	0.03	0.44	1	0.9	680	0.41	<0.05	6.1	0.27	0.25	2.2	71	0.6
200399022006		29.2	0.002	0.01	0.37	1	1.2	120.5	0.35	<0.05	7.8	0.21	0.22	1.3	152	0.8
200399022007		25.0	0.003	0.05	0.55	<1	1.0	100.5	0.23	0.07	4.2	0.16	0.18	0.9	138	1.0
200399022008		34.7	0.003	0.01	0.50	<1	1.6	107.5	0.44	0.09	6.2	0.25	0.25	1.2	144	1.8
200399022009		36.0	0.004	0.01	0.44	<1	1.7	117.0	0.47	0.06	6.3	0.25	0.26	1.3	143	3.3
200399022010		34.8	0.003	0.01	0.50	<1	1.4	118.0	1.66	0.07	6.3	0.25	0.26	1.4	149	1.1
200399022011		32.8	0.003	0.01	0.46	<1	1.3	117.5	0.39	<0.05	6.9	0.25	0.27	1.3	146	0.9
200399022012		49.0	0.003	0.01	0.74	<1	1.9	160.0	0.76	<0.05	9.9	0.34	0.36	2.0	156	1.7

Comments: REE's may not be totally soluble in MS61 method.

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Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399022013		53.8	0.003	0.01	0.93	<1	1.8	179.5	0.75	<0.05	9.9	0.35	0.41	2.1	138	1.1
200399022014		49.8	0.003	0.01	0.71	<1	1.7	147.0	0.61	<0.05	8.0	0.31	0.37	1.6	141	1.2

Comments: REE's may not be totally soluble in MS61 method.

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Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399020001		6.8	53	105.0	270
200399020002		5.5	39	19.8	150
20[illegible]9020003		13.9	73	54.4	320
2 [illegible]020004		9.5	76	48.2	310
200399020005		9.3	75	48.8	250
200399020006		6.6	36	25.5	220
200399020007		9.0	69	46.5	170
200399020008		6.8	46	23.0	220
200399020009		6.4	53	124.0	240
200399020010		6.2	58	40.9	250
200399020011		4.2	60	39.7	120
200399020012		8.1	60	42.4	320
200399020013		6.3	48	87.9	270
200399020014		7.3	57	89.5	250
200399020015		5.9	48	148.0	260
200399021001		11.2	61	43.0	210
200399021002		7.8	61	29.1	150
200399021003		10.2	91	44.8	270
200399021004		12.4	63	39.4	260
200399021005		11.4	64	43.5	260
200399021006		12.6	68	51.9	300
200399021007		11.5	65	53.0	280
200399021008		7.7	48	22.7	110
[illegible]99021009		10.1	59	35.8	210
[illegible]399021010		9.9	61	62.5	240
200399021011		3.9	41	19.0	60
200399021012		9.1	84	50.6	260
200399021013		6.3	52	20.7	140
200399022001		12.1	56	46.3	220
200399022002		12.7	64	48.5	260
200399022003		10.4	55	82.2	330
200399022004		8.9	82	91.3	360
200399022005		7.9	53	139.5	340
200399022006		8.3	58	27.3	120
200399022007		5.1	68	32.5	90
200399022008		7.7	59	32.9	170
200399022009		7.5	62	37.7	210
200399022010		7.4	65	40.5	200
200399022011		8.4	61	36.0	150
200399022012		12.3	73	51.0	280

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 23-Jun-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03020561

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399022013		12.7	76	52.9	320
200399022014		10.6	70	45.5	350

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE VA03022130

Project : Regal Ridge

P.O. No:

This report is for 161 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 23-Jun-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

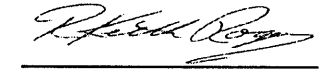
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021052		0.24	0.11	8.07	5.6	1100	1.94	0.27	2.23	0.61	68.4	25.0	96	9.43	51.3	4.91
200399021053		0.36	0.66	7.95	2.3	1430	2.11	1.16	0.92	1.27	77.6	11.0	66	8.33	61.3	4.78
20[illegible]9021054		0.20	0.20	6.96	3.3	990	2.41	0.47	0.67	3.75	78.0	13.1	54	6.02	40.1	4.39
2[illegible]021055		0.46	0.25	9.64	1.7	1060	2.85	0.55	1.00	0.28	92.6	17.5	59	7.16	49.7	4.59
200399021056		0.28	0.26	10.30	0.6	910	3.50	0.47	1.00	0.25	119.5	23.1	58	8.89	63.4	5.24
200399021057		0.16	0.41	5.93	1.5	680	2.28	0.37	0.83	0.65	79.9	8.8	28	4.78	31.3	3.08
200399021058		0.30	0.26	8.48	3.7	920	2.77	0.40	1.08	0.23	98.4	21.0	60	5.56	53.5	4.52
200399021059		0.18	0.11	7.46	4.4	890	2.54	0.40	1.13	0.36	82.8	17.1	65	5.78	46.0	4.09
200399021060		0.22	0.48	7.51	2.9	860	2.42	0.47	0.83	0.60	80.6	12.6	53	7.39	54.0	4.05
200399021061		0.18	0.20	7.37	5.0	900	2.52	0.48	1.08	0.75	90.9	17.8	61	6.75	52.5	4.02
200399021062		0.34	0.24	8.24	3.2	990	3.10	0.57	1.25	0.43	117.0	19.5	59	7.20	60.4	4.37
200399021063		0.42	0.19	10.75	2.4	1040	3.63	0.61	1.68	0.35	153.0	31.3	63	19.85	67.8	5.27
200399021064		0.20	0.28	9.34	3.0	900	2.97	0.58	1.30	0.20	120.0	20.3	52	18.60	53.2	4.33
200399021065		0.22	0.12	6.93	3.9	900	2.19	0.41	1.08	0.28	70.5	10.2	49	9.06	41.4	3.69
200399021066		0.14	0.11	6.54	2.5	1000	1.58	0.37	1.84	0.37	43.1	13.1	35	25.5	46.9	3.76
200399021067		0.16	0.25	6.64	3.3	950	6.68	0.73	1.27	0.52	64.1	13.1	59	34.6	58.9	3.95
200399021068		0.20	0.08	7.89	3.0	1250	5.39	0.63	1.99	0.26	57.6	27.0	93	36.5	80.2	5.50
200399021069		0.20	0.14	11.15	0.7	1200	4.73	0.75	1.48	0.13	160.5	24.4	59	41.8	66.0	5.39
200399021070		0.18	0.17	8.08	0.8	1580	10.40	0.92	2.35	0.69	85.6	46.4	218	49.9	185.5	6.57
200399021071		0.22	0.20	8.57	0.6	980	6.78	9.36	2.27	0.31	62.5	32.8	285	44.7	184.5	6.38
200399021072		0.18	0.11	6.67	7.1	660	3.97	0.64	4.20	0.41	13.95	55.3	646	35.9	212	6.92
200399021073		0.26	0.06	6.90	5.6	320	1.84	0.39	4.37	0.15	14.70	43.3	468	25.5	141.5	6.32
200399021074		0.22	0.07	7.80	2.7	620	1.34	0.20	2.95	0.08	27.3	23.4	154	11.20	135.5	3.97
2[illegible]021075		0.26	0.05	7.37	3.8	190	0.88	0.22	5.55	0.14	7.01	42.8	192	12.75	116.5	6.38
200399021076		0.32	0.15	8.81	38.8	240	9.26	1.78	1.66	0.23	22.8	42.6	190	60.4	165.5	6.39
200399021077		0.38	0.20	9.19	29.2	350	8.48	2.13	2.31	0.34	36.3	40.9	136	65.3	195.0	6.50
200399021078		0.24	0.04	8.13	12.7	320	8.73	2.23	1.44	0.10	43.3	23.9	302	70.7	54.1	4.89
200399021079		0.12	0.24	3.06	2.0	310	4.98	1.11	2.15	0.61	40.4	3.9	13	31.0	19.5	1.06
200399021080		0.14	0.14	6.62	3.6	490	8.04	2.57	1.08	0.38	72.7	9.5	38	93.4	16.0	2.43
200399021081		0.18	0.34	6.17	2.6	390	6.35	1.92	0.84	0.16	64.6	7.5	42	54.0	30.2	2.44
200399021082		0.12	0.17	6.39	3.2	420	5.62	1.94	0.70	0.58	80.7	9.0	42	47.6	44.2	2.70
200399021083		0.16	0.12	7.66	2.3	710	1.23	0.15	2.73	0.21	36.0	13.0	18	1.73	24.1	3.57
200399021084		0.16	0.65	4.46	1.8	630	1.50	0.24	0.58	1.10	33.5	4.4	28	7.24	16.4	1.86
200399021085		0.16	0.31	5.48	3.6	840	1.74	0.33	0.83	0.61	52.8	10.0	40	6.60	24.1	2.89
200399021086		0.16	0.88	4.26	0.7	760	1.06	0.35	0.78	1.54	55.0	6.4	28	5.19	22.5	2.24
200399021087		0.18	0.42	9.26	4.9	1000	2.43	0.53	1.14	0.24	116.0	17.8	53	7.38	60.3	4.45
200399021088		0.30	0.20	9.63	0.9	960	2.86	0.42	1.06	0.24	76.7	17.7	63	8.38	54.8	5.08
200399021089		0.22	0.15	8.45	1.9	820	2.05	0.36	1.52	0.21	79.7	15.0	28	6.97	49.7	3.51
200399021090		0.16	0.20	8.38	2.4	870	2.22	0.44	1.44	0.49	104.0	17.2	44	10.20	56.1	3.94
200399021091		0.14	0.35	8.04	<0.2	810	2.27	0.38	1.26	0.33	71.2	11.4	33	11.35	48.0	3.44

Comments: REE's may not be totally soluble in MS61 method.

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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021092		0.16	0.19	10.25	1.0	1000	3.04	0.49	1.42	0.27	123.0	25.2	57	15.15	62.9	4.76
200399021093		0.28	0.23	11.55	2.3	960	3.93	0.65	1.68	0.26	167.5	35.6	63	28.4	72.3	5.58
200399021094		0.16	0.15	7.17	1.7	910	2.49	0.51	1.32	0.41	63.4	13.7	45	27.7	49.3	3.77
200399021095		0.14	0.15	5.48	2.2	750	1.90	0.41	0.89	0.46	55.4	11.6	39	14.65	47.3	3.35
200399021096		0.22	0.12	9.09	2.9	1920	3.89	0.52	1.31	0.22	91.1	21.0	60	23.2	62.1	4.54
200399021097		0.14	0.15	5.55	2.6	1360	2.93	0.53	1.06	1.52	49.5	7.4	31	11.55	43.8	3.36
200399021098		0.24	<0.02	7.56	4.7	1180	4.07	0.39	0.97	0.24	64.9	16.0	67	22.7	35.6	4.27
200399021099		0.22	0.05	6.87	0.6	470	1.84	0.19	3.76	0.12	21.8	45.5	592	31.2	110.5	5.51
200399021100		0.24	0.04	7.12	1.9	690	1.34	0.19	2.31	0.06	32.3	10.6	54	6.05	26.1	2.47
200399021101		0.24	0.03	7.21	2.4	750	1.35	0.20	2.04	0.07	32.6	8.3	40	5.70	25.7	2.12
200399021102		0.20	0.19	7.76	1.2	1200	4.14	0.58	2.85	0.38	33.9	57.3	478	56.6	349	7.92
200399021103		0.16	0.16	8.46	11.6	930	5.71	1.18	2.32	0.29	50.4	53.5	425	46.1	253	7.30
200399021104		0.24	0.04	7.62	10.8	400	12.25	2.06	1.36	0.16	71.9	16.0	115	52.7	40.9	2.76
200399021105		0.16	0.10	7.33	1.3	720	1.48	0.17	2.43	0.06	34.2	8.2	10	1.94	15.5	2.45
200399021106		0.16	0.18	7.01	2.1	600	3.43	0.71	2.47	0.14	94.0	8.9	15	14.75	27.1	2.42
200399021107		0.26	0.15	7.53	1.7	750	2.40	0.30	0.51	0.49	54.3	8.2	50	10.80	35.8	4.28
200399021108		0.14	0.54	5.04	1.7	820	1.26	0.21	1.38	1.53	44.2	10.3	55	11.15	37.8	2.97
200399021109		0.14	0.26	4.97	1.0	600	1.04	0.14	2.26	1.43	36.2	17.8	87	8.05	25.1	3.20
200399021110		0.10	0.46	5.53	3.0	890	1.51	0.30	1.11	0.79	53.0	11.0	56	8.44	58.0	3.23
200399021111		0.18	1.48	4.65	1.9	1010	1.70	0.28	0.85	1.95	41.8	11.4	38	7.47	44.7	2.51
200399021112		0.18	0.28	6.35	1.9	790	2.12	0.21	0.65	1.31	33.8	5.5	43	10.10	16.8	2.61
200399021113		0.18	0.38	6.94	2.3	850	2.36	0.27	0.94	0.57	78.8	16.2	90	8.66	65.6	3.90
200399021114		0.22	0.17	8.03	2.5	830	2.33	0.32	1.06	0.23	93.5	15.3	65	13.70	47.3	4.11
200399021115		0.18	0.16	7.71	2.6	790	2.35	0.35	1.45	0.29	106.0	16.6	49	7.66	53.0	3.63
200399021116		0.16	0.35	8.05	2.3	830	2.61	0.47	1.05	0.26	109.0	14.6	36	9.83	52.4	3.42
200399021117		0.16	0.29	8.54	2.5	920	2.02	0.43	1.32	0.19	67.7	11.2	30	6.13	38.1	3.30
200399021118		0.16	0.38	10.95	1.6	1220	2.93	0.68	1.08	0.18	119.5	22.3	57	20.7	79.0	5.30
200399021119		0.20	0.42	11.70	1.5	1320	3.67	0.66	1.08	0.20	149.0	31.0	69	16.55	90.0	5.82
200399021120		0.16	0.07	8.42	1.2	1180	2.61	0.36	1.30	0.14	116.0	23.1	47	28.4	60.6	4.26
200399021121		0.28	0.09	9.86	<0.2	1520	5.74	1.35	1.30	0.11	88.4	18.9	54	40.5	77.1	5.00
200399021122		0.16	0.29	9.87	3.4	1380	13.10	1.48	1.22	0.60	111.0	28.7	66	67.5	187.5	6.45
200399021123		0.18	0.08	5.79	2.2	430	0.94	0.21	4.78	0.18	9.11	48.9	624	11.20	75.3	6.52
200399021124		0.32	0.18	7.65	1.4	970	3.62	0.68	2.76	0.25	22.4	39.0	415	42.9	207	7.50
200399021125		0.24	0.11	5.94	2.7	680	2.11	0.27	4.10	0.26	18.70	39.0	458	12.75	63.1	5.40
200399021126		0.18	0.12	5.89	2.5	870	3.17	0.24	3.81	0.15	22.2	37.0	426	17.70	96.5	5.47
200399021127		0.18	0.08	6.14	2.7	710	3.94	0.26	3.61	0.23	26.3	36.1	452	26.7	65.6	5.23
200399021128		0.18	0.08	6.65	2.3	650	2.83	0.23	3.07	0.14	27.2	17.0	132	8.83	21.1	3.00
200399021129		0.20	0.05	5.13	1.6	230	0.79	0.22	5.16	0.21	12.80	44.1	648	9.80	50.8	5.41
200399021130		0.14	0.06	5.19	2.6	330	1.12	0.24	4.82	0.19	17.30	34.8	418	6.61	18.7	4.71
200399021131		0.24	0.11	5.85	1.4	140	0.44	0.10	6.06	0.10	5.31	57.9	762	14.05	133.5	6.59

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021132		0.28	0.09	5.79	1.1	120	1.45	0.17	6.21	0.14	4.65	62.8	775	15.05	131.0	6.77
200399021133		0.16	0.09	6.09	1.1	140	0.85	0.15	5.66	0.12	5.56	62.6	781	11.45	138.5	6.71
20[illegible]9021134		0.14	0.12	6.78	3.2	130	1.32	0.22	5.16	0.17	3.97	64.9	859	17.70	202	7.18
2[illegible]021135		0.36	0.08	5.96	2.2	110	1.06	0.24	5.90	0.14	3.42	58.2	767	13.40	126.0	6.70
200399021136		0.24	0.11	7.83	2.8	770	1.79	0.19	2.43	0.07	40.4	9.4	20	3.17	31.7	2.53
200398020047		0.46	<0.02	8.33	11.3	760	4.27	0.48	1.58	0.21	149.5	15.9	54	8.79	23.8	4.23
200398020048		0.50	0.06	7.96	19.5	1720	6.53	1.36	1.32	0.57	88.6	13.3	55	19.85	51.6	3.71
200398020049		0.40	<0.02	7.78	3.5	490	6.20	0.33	0.83	0.19	49.6	1.9	12	10.95	10.8	1.36
200398020050		0.48	<0.02	8.65	8.0	600	5.62	1.24	0.59	0.26	104.5	4.4	21	9.97	9.4	2.52
200398020051		0.34	<0.02	7.76	9.1	630	4.97	0.78	0.59	0.28	88.4	4.0	22	9.64	11.2	2.56
200398020052		0.34	<0.02	8.17	24.6	910	5.07	0.46	0.93	0.43	143.5	9.4	41	10.75	28.4	3.44
200398020053		0.62	<0.02	7.31	11.6	640	3.64	0.24	1.62	0.22	98.1	14.2	44	5.74	22.8	5.11
200398020054		0.42	0.43	6.72	10.7	610	3.19	0.99	1.58	0.16	73.2	19.8	106	12.10	25.9	3.53
200398020055		0.30	<0.02	8.77	17.9	600	4.42	1.37	0.46	0.30	53.3	8.5	49	25.7	16.9	4.59
200398020056		0.66	<0.02	7.33	9.9	620	3.69	0.60	1.79	0.15	76.8	17.4	118	8.12	21.0	4.06
200398020057		0.38	0.10	7.32	6.3	600	3.30	0.46	1.69	0.10	78.4	17.1	132	8.51	16.1	3.94
200398020058		0.46	0.08	8.05	7.9	670	3.31	1.12	1.04	0.12	123.5	10.8	65	9.07	26.3	4.51
200398020059		0.48	<0.02	10.85	8.4	870	3.69	0.65	0.61	0.10	233	15.3	71	15.85	42.9	5.20
200398020060		0.44	0.02	8.42	7.9	790	3.44	0.41	0.73	0.17	117.0	15.0	72	7.60	27.9	4.34
200398020061		0.50	0.02	9.16	7.1	780	3.54	0.35	0.66	0.11	213	15.6	63	9.05	29.9	4.50
200398020062		0.46	0.08	10.10	2.7	750	3.67	1.25	0.37	0.04	278	9.0	62	22.5	42.0	6.00
200398020063		0.48	0.03	7.87	2.8	710	1.50	1.10	2.71	0.17	58.0	13.0	22	3.25	30.5	3.65
200398020064		0.44	<0.02	9.91	8.7	630	5.40	1.21	0.53	0.09	108.0	17.3	70	20.6	35.5	5.42
2[illegible]3020065		0.42	0.17	11.05	2.6	890	4.68	7.15	0.30	0.12	189.0	13.4	66	24.4	59.0	5.99
200398020066		0.30	0.08	7.56	3.8	800	1.47	0.22	1.96	0.07	41.7	6.1	9	2.17	17.6	2.00
200398020067		0.68	0.35	9.10	4.1	910	2.84	0.61	0.38	0.06	118.5	9.9	44	12.45	24.4	4.40
200398020068		0.50	0.33	8.66	2.8	720	4.54	0.99	0.31	0.05	174.5	12.9	33	11.75	24.9	4.04
200398020069		0.38	0.50	9.17	1.9	830	3.86	0.86	0.89	0.07	81.2	12.2	46	14.60	21.9	4.06
200398020070		0.54	0.49	7.48	1.6	730	3.57	0.65	0.99	0.08	153.5	8.6	26	10.15	17.4	2.94
200398020071		0.42	0.20	8.98	1.6	850	3.21	0.89	0.72	0.02	111.0	9.4	38	10.35	14.7	3.21
200398020072		0.46	0.25	8.23	2.4	800	1.54	0.35	2.15	0.08	27.8	7.2	7	3.68	18.3	2.39
200398020073		0.42	0.48	8.39	3.7	760	2.71	2.01	1.22	0.09	75.3	8.9	34	11.25	17.4	3.96
200398020074		0.42	0.25	7.94	3.2	780	1.30	0.21	2.35	0.09	27.8	7.6	4	1.94	18.0	2.53
200398020075		0.38	0.21	8.18	2.3	820	1.42	0.27	2.23	0.06	30.8	6.9	5	2.52	17.4	2.26
200398020076		0.46	0.35	8.06	2.2	850	2.68	0.82	0.90	<0.02	134.0	5.1	23	6.36	11.7	1.95
200398020077		0.62	0.26	7.96	1.9	750	2.50	0.62	1.02	0.04	82.2	5.9	22	8.30	17.0	2.20
200398020078		0.54	0.34	8.72	2.7	800	2.35	0.64	0.94	0.07	111.0	9.5	30	8.32	27.5	3.85
200398020079		0.32	0.86	6.69	2.0	510	2.14	0.82	0.96	0.11	26.1	5.6	14	11.70	24.5	2.31
200398020080		0.44	0.53	9.87	2.7	690	4.37	1.76	0.66	0.05	52.9	12.3	53	16.85	31.9	4.93
200398020081		0.38	0.37	7.90	1.7	690	3.20	0.50	1.30	0.12	56.6	9.9	25	10.25	34.5	3.44

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200398020082		0.42	0.26	7.72	2.7	670	2.50	0.33	1.27	0.19	55.3	9.3	23	6.04	18.3	3.20
200398020083		0.52	0.45	8.89	3.0	770	4.24	0.54	0.79	0.12	160.0	28.6	62	15.85	39.2	5.49
20[illegible]8020084		0.50	0.65	8.33	5.1	580	4.70	0.70	0.95	0.08	166.0	12.4	48	17.15	23.2	4.54
2[illegible]020085		0.48	0.55	7.99	4.1	630	3.24	0.63	1.18	0.07	115.0	10.1	53	12.95	20.2	4.18
200398020086		0.66	0.58	10.20	0.8	660	3.51	0.44	0.47	0.06	258	8.9	71	13.45	47.8	6.14
200398020087		0.54	0.29	7.57	3.6	780	2.80	0.36	1.20	0.10	145.5	8.5	45	17.50	17.9	2.85
200398020088		0.50	0.35	9.92	9.3	760	4.15	0.53	0.67	0.07	192.0	18.7	69	14.85	32.7	5.79
200398020089		0.72	0.52	11.40	9.8	940	5.68	0.61	0.47	0.10	243	24.5	65	15.60	59.3	7.79
200398020090		0.54	0.16	7.57	2.6	820	1.98	0.14	1.83	0.08	37.4	5.3	2	1.90	20.7	1.82
200398020091		0.66	0.28	8.47	3.8	500	3.01	0.52	3.40	0.12	55.8	28.5	111	14.20	34.4	5.95
200398020092		0.62	0.67	7.33	8.6	770	3.38	0.43	1.40	0.21	71.0	10.0	45	9.57	19.4	4.49
200398020093		0.46	0.62	7.30	1.6	510	2.67	0.17	0.63	0.10	134.0	4.9	11	6.99	8.5	2.47
200398020094		0.54	0.47	7.01	7.1	670	3.18	0.46	1.70	0.19	95.4	7.3	28	5.97	11.9	3.21
200398020095		0.58	0.20	8.10	14.6	770	3.50	0.42	2.47	0.17	129.0	12.6	48	9.66	16.0	4.06
200398020096		0.40	0.17	7.30	2.6	790	1.29	0.13	1.86	0.08	32.4	5.4	3	1.46	17.5	1.80
200398020097		0.46	0.17	7.60	4.6	610	2.15	0.20	1.67	0.17	95.7	14.8	61	4.06	17.5	4.45
200398020098		0.46	0.19	7.50	1.7	710	1.35	0.13	2.38	0.07	33.8	7.6	5	1.48	16.7	2.21
200398020099		0.62	0.56	8.58	8.9	650	3.27	0.38	1.18	0.19	175.0	14.4	59	6.65	17.8	4.38
200398020100		0.36	0.50	6.81	10.4	530	2.31	0.44	0.70	0.13	107.5	5.1	30	4.72	10.1	3.08
200398020101		0.52	0.52	7.15	10.6	560	2.69	0.48	0.72	0.16	114.0	5.5	30	4.94	11.1	3.30
200398020102		0.50	0.06	7.37	11.0	640	2.93	0.38	1.03	0.22	112.0	9.2	31	3.78	13.0	2.84
200398020103		0.66	0.05	7.25	7.0	760	2.99	0.34	1.10	0.28	97.1	8.7	29	3.49	11.7	2.64
200398020104		0.42	0.05	7.03	7.2	700	3.08	0.35	1.62	0.17	82.4	7.3	31	3.99	9.9	3.11
2[illegible]3020105		0.52	0.03	7.53	6.2	940	3.06	0.31	1.52	0.21	97.7	13.2	41	4.45	18.7	4.26
200398020106		0.66	0.08	8.59	3.4	1280	4.14	0.64	2.01	0.39	145.0	28.7	77	17.50	88.2	8.22
200398020107		0.48	0.07	6.48	5.5	1080	2.63	0.55	0.98	0.30	79.5	12.4	47	7.42	33.7	5.17
200398020108		0.38	0.11	7.34	10.4	1400	3.48	0.51	1.18	0.31	127.0	14.8	38	6.55	40.0	4.61
200398020109		0.48	0.09	7.16	4.7	890	2.56	0.38	1.04	0.28	72.2	8.3	28	4.82	20.7	3.74
200398020110		0.50	0.02	7.42	4.2	870	2.64	0.39	1.13	0.18	82.3	8.7	30	4.07	14.6	3.84
200398020111		0.34	0.14	7.89	2.5	890	1.56	0.17	1.86	0.08	60.1	6.8	6	1.86	21.1	1.96
200398020112		0.44	0.04	7.93	3.5	790	2.75	0.32	2.44	0.20	89.7	17.7	46	4.70	21.9	5.84
200398020113		0.40	0.04	8.31	4.6	850	2.61	0.34	1.84	0.46	91.7	10.2	38	6.67	14.6	3.66
200398020114		0.38	0.07	7.88	2.0	750	1.58	0.18	2.48	0.07	51.8	10.6	14	2.23	15.7	2.97
200398020115		0.44	0.12	6.52	5.6	970	3.06	0.44	1.02	0.20	78.4	6.1	28	6.79	16.9	2.88
200398020116		0.38	0.18	5.53	4.4	710	2.82	0.49	0.76	0.22	65.4	5.6	27	4.99	12.6	2.24
200398020117		0.48	0.04	7.68	7.7	550	2.47	0.28	2.89	0.17	77.9	22.2	122	5.48	12.7	5.54
200398020118		0.44	0.11	8.06	3.6	910	1.32	0.14	1.90	0.07	38.6	4.9	5	1.43	19.4	1.62
200398020119		0.54	0.04	7.50	7.9	740	2.52	0.52	1.32	0.18	85.3	11.6	47	7.06	13.2	4.17
200398020120		0.60	0.03	8.12	4.8	750	3.10	0.49	1.20	0.14	140.5	9.1	53	7.73	14.8	3.57
200398020121		0.54	0.11	10.40	7.2	980	3.63	0.46	0.55	0.15	187.0	18.6	70	9.92	34.4	5.00

Comments: REE's may not be totally soluble in MS61 method.

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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200398020122		0.12	0.22	6.65	7.5	680	2.52	0.61	0.81	0.18	141.0	17.2	164	9.75	18.2	3.81

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021052		17.45	0.17	1.3	0.058	1.14	33.9	37.9	2.60	1160	2.82	1.46	11.3	68.1	1290	24.7
200399021053		21.1	0.19	1.7	0.069	2.11	43.8	28.3	1.56	705	16.60	0.82	10.5	40.4	2040	30.0
20[illegible]9021054		20.5	0.17	1.7	0.061	1.76	43.3	21.2	0.88	693	6.49	0.84	12.8	35.7	1710	29.1
2[illegible]9021055		23.9	0.22	1.6	0.083	2.21	55.1	30.5	1.23	534	3.99	0.81	15.6	50.7	920	25.4
200399021056		27.0	0.27	1.5	0.095	2.48	67.4	29.4	1.25	516	4.99	0.67	16.7	55.6	890	29.3
200399021057		15.00	0.16	0.3	0.050	1.30	43.2	15.6	0.76	395	3.60	0.71	7.3	23.6	2140	17.7
200399021058		19.60	0.21	1.5	0.070	1.80	62.4	24.9	1.03	538	4.33	1.03	14.4	50.9	1100	23.7
200399021059		18.60	0.20	1.8	0.064	1.68	51.9	25.5	1.01	519	4.50	1.13	17.2	50.3	1010	23.6
200399021060		18.60	0.19	1.5	0.065	1.60	51.3	24.6	0.92	432	6.72	0.85	11.5	48.4	1590	23.4
200399021061		17.95	0.21	1.8	0.062	1.53	59.7	27.6	1.08	616	5.14	1.04	14.8	55.4	1220	25.8
200399021062		19.15	0.24	1.5	0.070	1.64	65.7	28.2	1.11	605	4.27	1.11	15.6	61.6	1200	27.6
200399021063		28.1	0.31	1.8	0.091	2.43	69.8	41.1	1.32	705	4.19	0.82	19.2	81.6	1110	37.6
200399021064		23.2	0.25	1.5	0.098	1.88	65.3	37.7	1.12	526	3.23	0.71	13.8	60.7	1300	27.1
200399021065		16.40	0.18	1.4	0.056	1.33	34.7	28.3	0.99	554	2.84	1.29	11.0	31.6	1210	23.3
200399021066		15.45	0.16	1.4	0.037	1.22	20.0	29.8	1.40	574	1.89	1.71	6.4	31.7	1110	14.4
200399021067		16.45	0.16	1.2	0.047	1.36	25.5	38.5	1.14	639	3.49	1.11	7.5	46.6	2050	17.4
200399021068		17.40	0.18	0.9	0.056	1.16	21.7	74.3	2.55	1140	1.64	1.78	7.5	56.6	830	22.2
200399021069		29.9	0.32	1.4	0.106	2.70	80.1	64.0	1.37	512	3.46	0.61	15.9	61.0	870	32.2
200399021070		17.85	0.24	0.6	0.071	1.48	39.7	103.5	4.28	1880	4.85	0.99	6.1	144.0	600	20.2
200399021071		21.4	0.22	1.2	0.071	1.60	31.8	106.0	4.58	1205	4.19	1.19	6.8	156.0	680	16.8
200399021072		12.55	0.16	0.6	0.043	0.81	6.7	152.0	7.75	1545	1.00	0.89	2.6	312	360	6.5
200399021073		12.35	0.13	0.5	0.043	0.60	7.5	109.0	6.10	1085	0.55	1.66	3.0	206	410	6.1
20[illegible]99021074		16.95	0.15	2.5	0.026	1.62	14.4	63.6	2.92	680	1.26	2.50	4.3	94.7	440	8.3
2[illegible]9021075		13.05	0.12	0.6	0.042	0.45	3.5	78.2	5.32	1215	0.50	2.44	1.5	118.5	210	3.6
200[illegible]99021076		19.90	0.17	0.7	0.051	1.58	11.6	232	2.52	1485	1.36	1.13	3.7	99.5	250	28.8
200399021077		21.9	0.20	1.3	0.054	1.78	19.2	183.0	2.62	1515	2.41	1.55	4.3	88.1	380	36.2
200399021078		23.1	0.22	2.2	0.039	1.82	22.6	185.5	2.67	725	1.42	1.00	4.9	126.0	1190	37.0
200399021079		11.35	0.23	0.1	0.020	0.79	80.6	64.2	0.34	294	1.47	0.40	2.1	10.2	1360	18.4
200399021080		29.7	0.19	0.2	0.041	1.96	44.4	197.0	0.83	1235	4.92	0.85	5.3	23.6	1380	47.8
200399021081		21.0	0.18	0.1	0.032	1.30	37.5	169.5	0.88	448	1.92	0.63	2.4	28.6	2190	36.0
200399021082		22.5	0.18	0.1	0.040	1.46	30.6	126.0	0.78	521	1.67	0.76	2.1	27.0	2620	49.4
200399021083		20.6	0.19	3.0	0.030	1.73	18.8	16.2	1.22	475	2.24	2.56	5.2	13.8	760	10.4
200399021084		12.05	0.15	0.1	0.040	1.14	19.4	10.6	0.39	237	3.82	0.55	4.6	16.4	2510	15.2
200399021085		16.55	0.17	0.1	0.057	1.38	30.6	17.4	0.69	478	4.46	0.81	6.9	25.1	2240	20.5
200399021086		12.80	0.18	0.1	0.034	1.14	31.2	10.9	0.57	284	7.55	0.66	4.1	20.9	2080	17.1
200399021087		24.1	0.26	1.9	0.080	2.09	67.5	33.0	1.19	457	5.02	1.02	13.6	51.4	1340	28.2
200399021088		24.9	0.24	1.7	0.086	2.32	51.9	28.5	1.21	608	4.22	0.88	19.0	39.2	970	31.8
200399021089		19.95	0.21	2.2	0.042	2.00	48.5	22.5	0.88	510	3.41	1.62	9.5	30.7	970	20.8
200399021090		21.5	0.26	1.9	0.059	1.82	61.4	26.8	1.04	494	5.51	1.12	11.0	51.8	1110	25.4
200399021091		19.80	0.22	1.5	0.053	1.76	37.2	22.2	0.82	388	3.18	0.95	9.3	33.3	1470	23.2

Comments: REE's may not be totally soluble in MS61 method.

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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021092		25.3	0.29	1.6	0.081	2.15	66.9	33.3	1.19	558	3.57	0.79	14.2	64.2	970	30.6
200399021093		28.9	0.35	1.5	0.093	2.33	76.9	45.0	1.34	651	4.84	0.66	18.6	89.9	1090	36.1
20[illegible]9021094		17.65	0.21	1.0	0.057	1.29	31.9	31.2	1.24	644	2.28	0.99	7.8	35.1	1480	21.5
2[illegible]021095		14.00	0.20	0.9	0.046	1.14	29.2	23.5	0.94	599	3.16	0.80	8.9	35.7	1530	17.0
200399021096		22.1	0.24	1.4	0.070	1.94	47.3	47.9	1.47	787	2.62	1.01	12.0	54.1	990	25.0
200399021097		15.20	0.22	0.6	0.046	1.27	26.5	29.5	0.96	499	10.55	0.99	4.9	25.3	1470	24.0
200399021098		18.80	0.23	1.3	0.056	1.88	32.9	51.3	1.23	487	2.90	0.94	12.9	52.9	780	20.1
200399021099		14.20	0.19	1.2	0.031	0.99	13.4	99.2	6.77	921	0.74	1.25	3.3	299	420	8.8
200399021100		17.40	0.16	2.7	0.022	1.77	17.0	23.2	1.35	438	1.44	2.42	5.2	33.1	700	10.0
200399021101		17.20	0.18	2.9	0.019	1.94	17.4	22.3	1.10	412	1.42	2.49	5.0	27.3	660	10.6
200399021102		17.60	0.24	0.5	0.073	1.16	17.9	140.5	7.30	1975	3.09	0.75	3.2	249	330	11.1
200399021103		20.3	0.25	0.7	0.071	1.20	25.0	147.0	6.21	1530	3.61	0.69	4.8	226	490	14.3
200399021104		24.5	0.25	2.4	0.029	2.89	49.7	195.5	1.69	562	0.90	1.72	4.8	71.5	710	48.0
200399021105		18.05	0.20	3.0	0.020	1.84	21.7	17.3	0.90	412	1.76	2.61	4.8	7.6	890	10.8
200399021106		18.10	0.36	2.7	0.024	1.56	77.4	40.3	0.93	537	1.80	2.18	4.4	11.4	1060	17.0
200399021107		20.6	0.23	1.6	0.066	1.76	35.3	19.4	0.88	398	5.68	0.76	12.5	31.6	1360	26.8
200399021108		13.90	0.20	0.2	0.035	0.89	24.1	11.5	1.20	554	3.62	0.95	7.7	32.2	2570	17.2
200399021109		13.30	0.22	0.8	0.039	0.77	19.4	13.1	2.00	781	2.05	1.03	8.1	52.9	1310	13.6
200399021110		15.30	0.21	0.9	0.040	1.03	29.6	20.8	1.33	429	3.98	0.82	7.5	38.0	1700	16.6
200399021111		13.10	0.21	0.1	0.042	1.04	21.7	13.7	0.97	509	8.52	0.63	5.0	33.2	2270	19.5
200399021112		18.30	0.16	1.7	0.054	1.76	19.6	13.9	0.67	322	6.21	0.66	10.6	19.4	1530	19.4
200399021113		19.50	0.24	1.6	0.057	1.42	41.3	29.5	2.57	613	3.44	0.79	11.2	93.1	660	19.2
20[illegible]99021114		20.4	0.24	1.5	0.065	1.82	56.4	23.3	1.16	515	4.14	0.96	15.2	43.7	870	23.3
2[illegible]3021115		18.90	0.30	2.2	0.053	1.78	68.0	23.1	1.03	497	3.65	1.53	11.7	40.6	1050	22.1
20[illegible]99021116		20.9	0.31	2.0	0.055	1.85	67.8	23.9	0.92	374	3.99	1.31	8.4	39.3	1050	22.8
200399021117		22.4	0.26	2.5	0.050	2.17	39.6	23.6	0.92	424	3.82	1.79	8.4	26.5	930	22.5
200399021118		28.6	0.31	1.3	0.090	2.59	69.0	37.6	1.33	395	5.72	0.75	11.0	62.1	940	29.3
200399021119		31.4	0.35	1.6	0.114	2.84	79.1	41.4	1.50	578	4.69	0.97	15.8	60.8	1110	31.7
200399021120		21.2	0.26	1.6	0.054	2.04	38.3	38.1	1.35	595	3.02	1.21	10.0	53.4	920	20.5
200399021121		26.7	0.33	1.2	0.090	2.38	47.4	67.3	1.40	629	2.80	0.71	16.0	41.8	710	32.5
200399021122		27.3	0.33	1.5	0.094	2.07	54.7	104.5	2.17	1010	12.05	1.01	10.6	85.6	940	29.8
200399021123		11.30	0.18	0.4	0.037	0.51	4.7	75.7	8.35	1290	0.44	0.87	2.1	331	280	5.3
200399021124		15.75	0.22	0.5	0.073	0.82	12.0	119.0	7.01	1940	2.78	1.21	3.6	196.0	350	11.0
200399021125		12.05	0.20	0.6	0.049	0.66	9.6	63.8	5.63	1490	0.87	1.31	3.6	205	690	8.7
200399021126		11.55	0.18	0.7	0.034	0.79	12.6	69.2	6.05	1415	0.61	1.16	3.8	231	520	8.8
200399021127		13.70	0.19	1.2	0.041	0.98	14.9	72.4	5.64	1350	0.73	1.26	5.2	218	600	10.0
200399021128		15.00	0.16	2.6	0.022	1.64	14.6	23.4	2.47	611	1.37	2.35	4.9	84.2	500	9.8
200399021129		9.98	0.18	0.4	0.034	0.46	6.6	43.9	6.95	925	0.38	0.93	2.6	274	440	5.9
200399021130		11.40	0.18	1.1	0.029	0.81	9.0	26.4	5.42	796	0.75	1.23	3.6	219	430	6.1
200399021131		10.30	0.14	0.5	0.035	0.44	2.6	56.0	9.36	1100	0.22	0.80	1.2	386	150	2.6

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021132		10.70	0.17	0.3	0.037	0.34	2.4	65.9	9.87	1190	0.24	0.72	1.0	400	120	2.5
200399021133		11.55	0.18	0.5	0.031	0.38	2.8	69.5	9.54	1110	0.33	0.78	1.3	393	190	2.8
20[illegible]9021134		11.60	0.16	0.4	0.031	0.34	2.0	90.6	10.05	1195	0.36	0.64	1.1	425	170	3.6
20[illegible]9021135		10.25	0.13	0.3	0.036	0.32	1.7	69.1	9.62	1140	0.26	0.71	1.0	385	150	2.8
200399021136		20.0	0.19	3.6	0.025	1.98	20.4	22.2	1.02	437	1.82	2.77	5.9	14.6	670	12.0
200398020047		23.8	0.31	1.0	0.073	2.84	82.4	55.5	1.30	684	1.00	1.46	22.0	37.1	1180	35.4
200398020048		23.6	0.26	1.6	0.050	2.55	48.7	91.4	1.13	732	10.70	1.34	18.8	58.3	2910	30.0
200398020049		24.3	0.18	1.8	0.053	1.39	17.8	23.4	0.23	115	2.05	3.80	24.6	8.0	670	9.7
200398020050		25.4	0.25	2.2	0.081	2.34	69.4	43.6	0.43	504	1.94	1.91	23.8	15.0	1090	17.8
200398020051		23.0	0.26	2.0	0.070	1.89	51.9	39.4	0.42	358	2.27	1.95	20.2	15.8	1290	14.9
200398020052		24.2	0.28	1.9	0.077	2.06	78.7	53.8	0.80	516	2.93	2.04	21.5	42.1	1130	22.9
200398020053		23.3	0.29	1.4	0.097	1.74	52.3	62.3	1.60	726	1.14	2.25	17.2	22.0	1330	12.4
200398020054		17.00	0.25	0.3	0.052	1.20	45.4	52.4	1.61	1670	1.91	1.10	7.7	83.9	1730	17.6
200398020055		29.0	0.25	1.4	0.074	2.47	29.8	44.6	0.68	784	2.24	1.03	20.8	24.5	910	39.3
200398020056		21.0	0.28	1.2	0.063	1.87	38.9	57.0	2.01	585	1.02	1.74	21.0	73.1	950	16.6
200398020057		19.10	0.28	0.8	0.050	1.70	45.3	62.3	2.24	685	0.77	1.33	15.0	78.3	700	17.6
200398020058		26.2	0.34	0.8	0.056	2.20	70.0	43.1	1.15	567	0.74	1.33	1.9	35.6	530	25.9
200398020059		30.0	0.45	0.7	0.068	3.05	115.0	93.1	0.84	635	0.82	0.78	5.2	49.3	600	30.7
200398020060		23.8	0.31	0.8	0.062	2.49	64.1	71.8	1.13	531	0.91	1.09	16.2	41.0	990	29.9
200398020061		23.4	0.41	0.7	0.059	2.75	105.0	84.8	1.13	622	0.62	1.15	10.8	39.2	630	26.1
200398020062		28.6	0.51	0.5	0.071	3.39	136.5	140.0	1.27	496	1.70	0.86	21.2	15.6	940	41.3
200398020063		15.80	0.20	2.4	0.027	1.92	30.4	25.9	1.09	626	1.18	2.40	9.0	19.4	1020	11.8
200398020064		27.9	0.31	0.4	0.065	2.56	58.8	405	0.71	520	1.13	0.50	12.5	44.1	680	31.5
2[illegible]8020065		32.6	0.44	0.5	0.074	3.30	96.1	111.0	0.92	854	1.53	0.65	21.1	32.4	1040	43.0
200398020066		18.55	0.23	2.3	0.017	2.14	22.2	21.6	0.64	369	1.74	2.71	4.8	6.0	530	13.6
200398020067		24.1	0.35	0.9	0.050	2.14	59.8	170.0	0.75	754	1.24	0.45	11.8	28.8	870	28.9
200398020068		21.9	0.46	1.2	0.040	3.18	96.4	89.7	0.51	498	0.69	0.67	10.8	38.0	680	30.8
200398020069		25.2	0.34	0.9	0.055	3.42	43.7	106.0	1.07	532	0.70	0.79	14.0	32.2	750	20.2
200398020070		18.65	0.45	0.7	0.038	2.56	90.8	81.8	0.73	395	0.57	0.93	8.4	29.2	830	21.3
200398020071		25.1	0.35	1.0	0.055	3.23	63.8	73.3	0.85	394	0.58	1.20	5.8	21.9	500	22.6
200398020072		19.85	0.20	3.5	0.024	2.35	17.1	32.8	0.81	397	1.64	2.32	6.5	9.2	350	9.6
200398020073		27.6	0.33	1.8	0.042	2.66	40.0	53.8	0.85	476	2.71	1.54	14.3	19.5	520	20.9
200398020074		18.70	0.20	3.5	0.022	2.15	17.1	19.7	0.86	411	1.54	2.46	6.2	7.4	470	8.4
200398020075		19.65	0.18	3.3	0.021	2.31	18.6	22.7	0.80	394	1.62	2.43	6.3	7.4	360	9.7
200398020076		25.1	0.35	1.3	0.035	2.75	78.4	48.2	0.48	291	1.02	1.14	13.1	13.2	450	19.9
200398020077		22.2	0.28	1.4	0.047	2.46	47.5	50.4	0.61	309	1.15	1.34	9.0	13.6	550	16.2
200398020078		25.3	0.38	1.7	0.049	2.87	64.5	47.7	0.83	399	1.16	1.36	12.6	24.7	570	18.7
200398020079		18.10	0.20	0.2	0.027	1.70	15.4	43.2	0.50	234	1.54	1.08	4.8	17.6	1400	11.6
200398020080		30.0	0.33	1.1	0.055	2.97	27.8	105.5	0.98	450	1.04	0.96	18.0	39.2	990	20.4
200398020081		22.5	0.28	1.9	0.038	2.25	29.6	54.5	0.87	369	1.22	1.49	10.8	25.8	1130	15.6

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200398020082		20.5	0.25	0.8	0.035	1.90	28.5	73.8	0.64	354	0.81	1.16	7.0	22.6	830	15.3
200398020083		24.7	0.52	1.0	0.052	3.08	89.6	114.0	1.20	962	0.93	0.92	16.6	63.9	1050	18.4
20[illegible]8020084		22.2	0.50	0.6	0.049	2.27	99.1	122.5	0.99	650	1.28	0.90	15.2	35.1	1080	20.0
2[illegible]8020085		25.6	0.43	0.9	0.060	2.20	72.0	51.1	1.14	567	0.95	1.24	21.3	30.4	1180	16.4
200398020086		28.1	0.67	0.6	0.066	3.02	146.5	102.0	1.36	516	0.72	0.57	21.4	17.4	810	24.9
200398020087		22.9	0.39	1.2	0.045	2.45	84.5	42.3	0.80	461	0.95	0.94	11.6	26.0	600	15.0
200398020088		27.0	0.56	0.7	0.068	2.87	112.0	104.5	1.15	626	0.79	0.81	13.2	39.9	560	29.9
200398020089		30.4	0.72	0.5	0.072	3.61	144.0	144.5	1.42	781	1.02	0.65	19.1	59.9	930	48.0
200398020090		18.05	0.22	0.6	0.016	2.20	26.4	21.8	0.55	423	1.62	2.27	3.3	5.5	540	7.7
200398020091		22.4	0.41	1.1	0.073	1.68	31.3	60.0	3.05	788	0.72	1.45	6.5	72.8	1190	7.6
200398020092		23.7	0.35	0.3	0.075	1.80	39.4	39.7	1.04	548	1.74	1.43	24.3	21.5	2250	13.4
200398020093		24.9	0.34	1.3	0.031	0.89	73.5	24.6	0.68	313	1.28	2.84	25.4	6.8	680	5.8
200398020094		21.0	0.30	0.6	0.069	2.06	52.7	31.9	0.65	442	1.05	1.24	20.4	18.0	1330	21.9
200398020095		22.9	0.42	0.8	0.068	2.47	72.6	70.7	1.12	563	0.54	1.20	8.5	26.6	660	24.7
200398020096		17.55	0.17	3.7	0.020	2.13	20.0	18.0	0.57	361	1.56	2.26	6.1	4.8	570	8.1
200398020097		20.7	0.35	0.8	0.057	1.76	52.8	26.2	1.50	608	0.64	1.20	5.2	28.2	840	18.3
200398020098		18.45	0.20	3.5	0.023	1.90	21.6	18.9	0.88	381	1.38	2.28	5.9	7.6	600	8.4
200398020099		26.6	0.48	1.6	0.082	2.44	95.0	60.2	1.24	601	2.06	1.33	23.4	32.0	1030	24.6
200398020100		24.1	0.33	0.4	0.066	2.15	60.5	23.3	0.53	282	1.63	0.94	19.8	14.4	1620	23.8
200398020101		25.1	0.32	0.2	0.072	2.24	64.2	25.5	0.57	309	1.78	0.96	21.2	15.4	1700	26.2
200398020102		21.9	0.24	1.4	0.087	2.43	65.7	30.5	0.65	436	1.65	1.76	20.6	21.6	860	24.8
200398020103		20.3	0.22	1.5	0.063	2.37	54.8	26.3	0.66	441	1.06	1.90	18.8	21.4	810	21.9
20[illegible]98020104		20.1	0.20	1.4	0.074	2.04	48.8	21.5	0.65	420	0.98	1.75	15.4	14.8	650	25.3
[illegible] 8020105		21.2	0.24	1.6	0.078	1.92	58.4	29.8	1.04	703	1.04	1.91	9.5	21.0	940	18.2
200398020106		29.4	0.37	0.7	0.152	3.48	89.1	74.7	2.82	2070	0.61	0.44	1.9	29.3	2250	17.4
200398020107		23.7	0.26	1.9	0.094	2.52	39.1	29.0	1.18	651	2.75	0.78	12.0	22.0	710	21.3
200398020108		24.2	0.28	0.9	0.108	2.57	64.9	39.0	1.20	823	1.48	1.23	19.6	23.6	1090	44.3
200398020109		23.3	0.20	1.9	0.081	1.94	31.6	31.3	0.86	456	1.41	1.75	14.5	14.0	710	21.8
200398020110		24.2	0.23	2.2	0.077	2.03	44.6	26.1	0.91	462	1.00	1.90	5.8	11.0	750	16.4
200398020111		20.5	0.27	3.7	0.023	2.11	37.8	23.8	0.60	383	1.90	2.85	7.1	6.5	670	10.8
200398020112		23.4	0.27	1.2	0.100	1.80	54.3	23.4	1.47	921	0.70	1.73	5.4	22.3	1510	14.8
200398020113		25.3	0.27	1.2	0.070	2.22	49.1	22.6	0.95	614	1.38	1.58	8.9	17.0	720	21.7
200398020114		19.65	0.24	1.5	0.033	1.75	30.0	19.6	1.08	448	1.50	2.50	6.5	11.1	1010	11.6
200398020115		19.90	0.25	0.1	0.056	1.80	39.2	29.9	0.52	798	1.68	1.30	16.6	16.4	2240	16.9
200398020116		15.30	0.20	0.1	0.045	1.40	36.6	16.4	0.39	431	2.07	1.12	13.0	13.6	2780	17.8
200398020117		19.75	0.25	0.8	0.051	1.26	42.3	32.1	2.52	794	0.56	1.41	2.3	34.3	530	12.8
200398020118		18.10	0.19	0.3	0.015	2.15	21.8	18.7	0.53	366	1.80	2.88	2.5	4.0	650	10.2
200398020119		22.7	0.25	1.0	0.055	2.09	46.1	33.6	1.10	524	0.52	1.31	1.6	21.1	450	24.4
200398020120		21.4	0.29	1.1	0.048	1.94	81.1	40.2	0.89	547	0.76	1.47	3.6	25.6	530	21.8
200398020121		26.1	0.36	1.0	0.071	2.75	98.3	78.6	1.12	662	1.11	0.91	19.6	44.4	580	29.6

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200398020122		19.15	0.33	0.4	0.033	1.69	82.1	33.1	0.74	1655	1.66	0.97	12.2	42.3	1500	25.9

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	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.01	0.02	0.1	1	0.1
200399021052		55.3	0.003	0.07	0.44	2	2.1	208	0.44	0.06	11.9	0.71	0.47	3.0	181	1.2
200399021053		100.5	0.004	0.29	0.28	4	2.8	162.0	0.52	0.26	17.2	0.43	0.78	4.6	202	2.4
20[illegible]9021054		103.5	0.003	0.12	0.43	1	2.8	165.0	0.59	0.13	17.4	0.37	0.59	3.3	137	2.0
2[illegible]9021055		108.0	0.002	0.07	0.24	2	3.5	183.5	0.83	0.15	20.7	0.38	0.79	3.9	141	2.1
200399021056		135.5	0.003	0.08	0.09	3	3.9	189.0	0.87	0.20	25.4	0.35	0.83	4.3	139	2.2
200399021057		64.5	0.002	0.24	0.19	1	2.0	183.5	0.23	0.12	15.4	0.23	0.41	3.0	79	1.3
200399021058		89.7	<0.002	0.13	0.43	2	2.7	203	0.75	0.12	24.2	0.43	0.66	4.1	124	1.8
200399021059		84.7	0.003	0.09	0.55	2	2.7	203	0.86	0.10	20.1	0.48	0.63	3.6	131	1.9
200399021060		84.6	0.002	0.15	0.46	3	2.6	172.0	0.54	0.13	20.3	0.36	0.65	4.3	134	1.8
200399021061		78.8	<0.002	0.10	0.52	3	2.6	191.5	0.77	0.12	20.2	0.44	0.60	4.2	129	2.0
200399021062		85.7	0.002	0.10	0.37	2	3.0	221	0.76	0.18	20.9	0.50	0.61	3.9	125	2.0
200399021063		119.0	0.002	0.04	0.21	3	4.0	225	1.01	0.18	22.4	0.46	0.88	5.0	144	2.9
200399021064		103.5	<0.002	0.07	0.31	3	3.1	164.0	0.66	0.14	18.8	0.35	0.65	4.1	122	2.2
200399021065		63.0	<0.002	0.09	0.45	2	2.1	158.5	0.48	0.09	13.4	0.43	0.45	2.8	124	1.6
200399021066		51.1	0.002	0.11	0.34	1	1.5	300	0.34	<0.05	6.7	0.32	0.35	1.8	138	1.3
200399021067		67.7	0.002	0.17	0.32	1	2.4	174.5	0.39	0.11	9.1	0.26	0.50	2.5	124	30.4
200399021068		67.4	0.003	0.06	0.42	1	2.8	210	0.41	0.07	7.4	0.35	0.57	1.6	196	17.0
200399021069		131.5	0.002	0.08	0.08	2	5.4	218	0.75	0.16	22.8	0.25	1.02	4.2	139	3.8
200399021070		89.6	0.003	0.09	0.07	2	8.4	146.5	0.33	0.13	8.9	0.29	0.71	2.3	187	12.0
200399021071		80.3	0.002	0.08	0.16	2	5.8	235	0.42	0.16	9.7	0.25	0.64	2.3	185	3.1
200399021072		42.6	0.002	0.03	0.24	<1	3.3	128.0	0.15	<0.05	2.2	0.19	0.35	1.4	211	2.1
200399021073		36.6	0.003	0.04	0.23	<1	1.9	155.5	0.17	0.07	2.9	0.19	0.31	1.4	217	7.5
20[illegible]99021074		42.5	0.003	0.03	0.34	<1	0.9	469	0.26	<0.05	4.6	0.23	0.32	1.7	122	0.7
2[illegible]9021075		19.7	<0.002	0.02	0.19	<1	1.2	185.5	0.09	<0.05	1.2	0.18	0.19	0.7	242	0.6
200399021076		162.5	0.002	0.02	0.69	1	8.4	79.5	0.45	<0.05	6.5	0.17	1.30	7.7	238	5.5
200399021077		161.0	<0.002	0.02	0.47	1	8.7	162.5	0.41	<0.05	8.7	0.19	1.26	6.6	231	4.4
200399021078		169.5	0.002	0.06	0.32	<1	9.5	121.5	0.34	<0.05	16.4	0.18	1.26	24.7	153	3.9
200399021079		81.3	0.003	0.23	0.25	1	3.9	146.0	<0.05	<0.05	10.0	0.10	0.53	39.6	29	0.9
200399021080		230	<0.002	0.13	0.38	1	13.1	125.0	0.08	<0.05	22.4	0.22	1.48	18.6	65	1.9
200399021081		129.5	<0.002	0.14	0.31	1	5.6	124.5	<0.05	<0.05	12.8	0.15	0.76	19.0	52	1.6
200399021082		135.5	<0.002	0.13	0.33	1	5.2	150.5	<0.05	<0.05	19.2	0.15	0.83	18.0	53	1.6
200399021083		42.5	<0.002	0.04	0.32	1	1.1	675	0.18	<0.05	6.1	0.43	0.26	2.1	119	0.5
200399021084		62.2	<0.002	0.25	0.23	1	1.6	129.5	<0.05	0.07	7.8	0.23	0.41	2.4	76	1.0
200399021085		91.1	<0.002	0.21	0.39	1	2.3	170.5	0.06	0.10	13.5	0.29	0.57	2.9	113	1.2
200399021086		64.4	0.002	0.26	0.30	2	1.4	176.0	<0.05	0.07	8.6	0.27	0.45	3.5	131	1.2
200399021087		107.0	0.004	0.08	0.47	3	3.1	241	0.74	0.12	24.6	0.35	0.77	4.6	128	2.0
200399021088		120.0	0.002	0.09	0.18	2	3.8	215	1.14	0.14	23.6	0.58	0.80	4.0	138	2.2
200399021089		73.9	0.002	0.07	0.29	2	1.9	362	0.55	0.10	15.4	0.31	0.50	3.1	87	2.0
200399021090		90.0	0.003	0.09	0.30	2	2.5	262	0.63	0.14	18.7	0.32	0.62	3.6	118	2.0
200399021091		84.3	0.002	0.11	0.23	2	2.5	234	0.45	0.11	16.4	0.25	0.51	3.0	92	1.7

Comments: REE's may not be totally soluble in MS61 method.

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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021092		114.5	0.003	0.04	0.24	3	3.3	190.0	0.80	0.17	20.4	0.33	0.75	4.1	129	2.5
200399021093		130.0	0.003	0.03	0.17	3	3.7	199.5	1.01	0.22	24.3	0.33	0.85	4.9	141	3.0
20 9021094		69.8	0.003	0.12	0.28	1	2.2	145.5	0.37	0.08	13.6	0.25	0.45	2.7	125	1.8
2(3021095		58.8	0.002	0.14	0.22	2	2.1	147.0	0.46	0.10	10.2	0.41	0.39	2.2	96	2.0
200399021096		86.9	0.003	0.06	0.45	2	3.2	204	0.65	0.12	15.8	0.37	0.62	3.4	137	3.5
200399021097		53.2	0.004	0.21	0.34	2	5.2	229	0.16	0.08	8.5	0.25	0.48	3.5	127	30.4
200399021098		95.3	0.004	0.05	0.59	1	5.0	191.5	0.64	0.07	11.9	0.38	0.77	2.5	129	5.5
200399021099		32.9	0.002	0.03	0.23	<1	1.7	201	0.17	<0.05	3.6	0.16	0.21	1.1	154	1.3
200399021100		41.2	0.002	0.04	0.52	1	1.1	521	0.30	<0.05	5.4	0.26	0.25	1.9	71	1.1
200399021101		44.2	0.002	0.03	0.39	1	1.1	500	0.31	<0.05	5.8	0.22	0.24	2.1	53	0.8
200399021102		61.1	0.003	0.06	0.46	1	3.8	104.0	0.16	0.09	5.1	0.19	0.45	1.3	240	2.2
200399021103		64.6	0.003	0.05	0.22	1	4.5	126.5	0.25	0.09	8.0	0.18	0.54	19.8	208	3.5
200399021104		258	0.003	0.02	0.15	1	14.4	136.0	0.38	<0.05	22.9	0.13	1.74	53.6	75	4.6
200399021105		38.7	0.003	0.04	0.45	1	0.9	611	0.29	<0.05	5.9	0.30	0.22	11.4	66	0.7
200399021106		50.9	0.002	0.07	0.36	1	1.9	559	0.27	<0.05	12.0	0.27	0.31	60.7	63	0.7
200399021107		93.3	<0.002	0.11	0.18	2	2.7	135.0	0.66	0.12	16.4	0.35	0.60	3.2	118	1.9
200399021108		50.6	0.002	0.11	0.44	1	1.8	142.5	0.21	0.05	8.7	0.43	0.32	2.7	125	8.2
200399021109		41.8	0.003	0.09	0.31	1	1.5	148.0	0.34	<0.05	6.0	0.41	0.28	2.0	127	4.5
200399021110		50.5	0.002	0.14	0.83	2	2.1	132.0	0.34	0.06	7.9	0.31	0.34	2.7	121	1.6
200399021111		52.9	0.004	0.25	0.95	3	1.8	147.0	0.09	0.12	9.5	0.20	0.45	3.2	117	1.2
200399021112		90.9	0.002	0.13	0.20	1	2.7	154.0	0.53	0.07	9.8	0.26	0.55	2.2	109	1.6
200399021113		72.3	0.004	0.07	0.29	3	2.5	157.5	0.60	0.09	15.1	0.32	0.62	2.5	129	1.6
20 9021114		90.8	0.002	0.10	0.33	2	2.9	191.0	0.87	0.11	17.4	0.44	0.61	3.4	122	1.8
2 9021115		74.7	0.003	0.07	0.48	2	2.3	287	0.66	0.08	23.1	0.35	0.52	4.0	96	2.1
200399021116		81.8	0.003	0.10	1.32	2	2.1	282	0.45	0.13	22.0	0.18	0.55	4.1	83	7.3
200399021117		83.8	0.003	0.08	0.34	1	2.2	370	0.45	0.09	15.2	0.21	0.51	3.1	86	2.2
200399021118		133.0	0.002	0.08	0.13	3	3.8	216	0.50	0.20	27.6	0.14	0.83	4.3	132	2.9
200399021119		141.5	0.002	0.09	0.12	2	4.5	259	0.77	0.25	32.3	0.26	0.96	4.5	147	2.8
200399021120		89.8	0.002	0.07	0.23	2	2.5	275	0.51	0.10	13.0	0.29	0.60	2.6	115	2.0
200399021121		128.0	0.002	0.06	0.05	2	7.8	142.0	0.84	0.15	18.1	0.36	0.76	3.4	134	4.2
200399021122		121.5	0.005	0.11	0.20	3	11.7	197.0	0.54	0.18	20.4	0.30	1.03	4.7	177	15.7
200399021123		16.4	0.002	0.02	0.15	<1	0.9	110.5	0.11	<0.05	1.5	0.16	0.11	0.5	217	1.3
200399021124		45.6	0.002	0.07	0.13	1	3.2	106.0	0.21	0.09	3.9	0.27	0.35	1.0	249	4.0
200399021125		26.8	0.002	0.05	0.25	<1	2.2	200	0.18	<0.05	3.1	0.19	0.21	0.9	176	1.4
200399021126		31.2	0.002	0.04	0.27	<1	2.9	199.0	0.20	<0.05	3.3	0.17	0.23	0.9	169	1.9
200399021127		37.6	0.002	0.04	0.31	<1	3.9	225	0.28	<0.05	4.4	0.20	0.27	1.2	162	2.0
200399021128		39.6	0.002	0.02	0.35	<1	3.2	427	0.26	<0.05	5.2	0.19	0.23	1.8	95	7.1
200399021129		18.5	0.002	0.03	0.20	<1	1.1	115.0	0.14	<0.05	2.2	0.14	0.12	0.5	190	0.6
200399021130		27.1	0.003	0.04	0.22	<1	1.7	180.5	0.16	<0.05	3.1	0.17	0.18	0.9	166	1.4
200399021131		12.2	<0.002	0.01	0.10	<1	0.5	121.0	0.07	<0.05	0.9	0.13	0.07	0.3	211	0.4

Comments: REE's may not be totally soluble in MS61 method.

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021132		12.6	0.002	0.01	0.10	<1	1.4	99.4	0.06	<0.05	1.0	0.11	0.08	0.3	219	0.9
200399021133		12.1	0.002	0.02	0.12	1	1.0	113.0	0.08	0.05	1.0	0.12	0.07	0.4	205	0.4
20[illegible]9021134		13.1	0.002	0.02	0.15	<1	1.6	91.6	0.06	0.07	0.8	0.12	0.12	0.3	211	1.7
2[illegible]9021135		14.0	<0.002	0.01	0.09	<1	1.8	96.3	0.06	<0.05	0.7	0.11	0.10	0.4	214	1.2
200399021136		45.6	0.002	0.03	0.45	1	1.2	648	0.34	<0.05	6.6	0.28	0.30	3.6	65	0.7
200398020047		141.0	0.002	0.01	0.78	2	6.1	193.5	0.87	0.05	31.7	0.46	0.69	5.1	87	2.0
200398020048		134.0	0.004	0.03	2.03	2	7.0	117.5	1.16	0.05	22.7	0.38	1.08	10.9	229	3.0
200398020049		72.4	0.002	0.04	0.48	1	11.8	90.4	1.26	0.05	21.1	0.25	0.39	3.3	46	1.3
200398020050		128.5	0.002	0.03	1.30	1	11.3	85.3	1.62	<0.05	40.3	0.25	0.99	9.0	61	2.2
200398020051		107.5	0.004	0.05	1.28	1	9.9	87.6	1.02	<0.05	36.7	0.27	0.81	7.2	70	2.0
200398020052		101.0	0.004	0.02	2.05	2	7.9	118.5	1.03	<0.05	37.8	0.34	0.68	8.5	139	3.5
200398020053		84.6	0.002	0.02	0.39	1	6.3	117.0	0.16	<0.05	21.7	0.72	0.47	4.0	123	1.0
200398020054		55.2	0.004	0.13	0.71	1	3.8	171.0	0.22	0.05	15.6	0.23	0.59	11.3	106	2.3
200398020055		176.0	0.002	0.04	1.47	1	8.9	88.2	1.44	0.09	14.4	0.29	0.93	4.1	113	3.3
200398020056		94.4	0.003	0.03	0.66	1	6.3	112.5	1.06	<0.05	20.1	0.38	0.54	4.9	117	2.3
200398020057		94.4	0.002	0.05	0.75	1	5.1	119.0	0.58	<0.05	20.3	0.35	0.58	5.4	118	4.8
200398020058		121.0	0.003	0.02	0.21	1	4.8	115.0	0.06	<0.05	29.7	0.44	0.77	5.1	120	0.3
200398020059		160.0	0.002	0.03	0.27	1	4.0	121.0	0.06	0.05	53.6	0.48	1.00	10.3	105	0.3
200398020060		140.0	0.003	0.06	0.53	1	4.1	128.5	0.59	0.05	30.0	0.42	0.90	5.6	95	1.6
200398020061		146.5	0.003	0.06	0.28	1	4.0	165.5	0.19	<0.05	49.1	0.43	0.88	8.3	87	1.1
200398020062		191.0	0.003	0.41	0.06	1	4.4	151.0	1.32	0.08	65.5	0.51	1.30	11.5	102	1.8
200398020063		45.3	0.002	0.04	0.32	<1	1.8	604	0.46	<0.05	9.7	0.39	0.30	3.6	80	0.8
200398020064		172.0	0.002	0.03	0.11	1	5.4	133.5	0.20	0.05	27.3	0.50	0.95	5.5	102	0.8
2[illegible]9020065		187.0	0.003	0.23	0.13	1	6.3	138.0	1.33	0.19	42.9	0.53	1.28	8.5	104	12.4
200398020066		51.3	0.002	0.03	0.45	<1	1.1	564	0.14	<0.05	7.9	0.25	0.31	2.8	47	0.7
200398020067		117.5	<0.002	0.03	0.25	2	4.0	73.9	0.30	0.11	29.4	0.43	0.78	4.9	88	2.1
200398020068		175.5	<0.002	0.08	0.37	3	4.4	87.8	0.47	0.06	38.6	0.32	1.14	9.3	65	2.9
200398020069		221	0.002	0.05	0.19	2	5.1	154.0	0.68	0.06	19.2	0.44	1.24	9.5	84	3.0
200398020070		158.0	0.002	0.04	0.14	4	3.5	167.0	0.15	0.09	34.9	0.29	0.83	15.0	56	2.0
200398020071		195.5	0.002	0.01	0.10	3	5.4	171.5	0.13	0.06	24.6	0.39	0.97	5.2	73	1.2
200398020072		63.8	<0.002	0.01	0.46	3	1.4	601	0.36	0.08	5.6	0.27	0.38	3.1	56	1.7
200398020073		155.5	0.003	0.02	0.37	3	4.9	290	0.51	0.11	15.9	0.43	0.83	4.0	99	2.3
200398020074		48.2	0.003	0.02	0.44	3	1.0	636	0.36	0.07	5.5	0.31	0.28	2.5	68	0.7
200398020075		52.5	0.002	0.01	0.54	2	1.3	622	0.37	0.07	6.0	0.28	0.30	2.3	58	1.7
200398020076		113.0	<0.002	0.02	0.29	3	16.6	208	0.43	0.07	28.7	0.40	0.66	6.3	72	2.5
200398020077		106.5	0.002	0.02	0.27	3	3.5	287	0.23	<0.05	17.0	0.34	0.68	4.3	65	2.4
200398020078		133.5	0.003	0.03	0.31	2	3.6	266	0.44	0.06	24.0	0.40	0.76	5.1	81	2.2
200398020079		87.4	0.002	0.12	0.61	1	2.1	272	0.06	0.07	6.6	0.19	0.56	6.8	50	9.2
200398020080		207	0.003	0.09	0.22	2	7.3	187.5	1.28	0.10	12.6	0.49	1.27	6.7	93	13.0
200398020081		114.0	<0.002	0.13	0.37	2	4.0	341	0.69	<0.05	11.3	0.34	0.63	5.4	72	1.5

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200398020082		64.1	0.002	0.06	0.31	1	2.5	333	0.18	0.05	12.8	0.32	0.45	3.5	74	1.8
200398020083		203	0.002	0.11	0.18	3	4.9	165.0	0.88	0.07	35.8	0.45	1.10	9.5	85	2.2
2[illegible]9020084		188.0	0.002	0.07	0.25	2	4.6	153.5	0.58	0.08	34.3	0.43	0.85	7.9	82	2.8
2[illegible]8020085		157.5	0.002	0.05	0.35	3	5.6	123.0	0.55	<0.05	24.9	0.56	0.65	5.0	114	1.7
200398020086		218	0.002	0.32	0.09	2	3.4	127.0	1.26	0.07	53.1	0.55	1.21	10.3	99	1.8
200398020087		147.0	0.002	0.04	0.45	2	4.9	195.5	0.27	0.05	26.2	0.48	0.62	5.5	105	4.7
200398020088		178.5	<0.002	0.03	0.36	2	4.8	122.0	0.30	0.06	37.9	0.52	0.97	9.1	95	0.8
200398020089		181.0	0.003	0.04	0.15	3	3.7	134.0	0.78	0.19	48.5	0.55	0.89	12.6	88	1.4
200398020090		45.6	0.003	0.03	0.41	3	0.7	538	0.06	<0.05	5.9	0.20	0.27	3.5	37	0.5
200398020091		123.5	<0.002	0.02	0.19	2	5.0	278	0.12	0.05	11.8	0.72	0.62	3.1	164	2.5
200398020092		82.7	0.002	0.08	0.75	3	6.2	163.0	0.46	0.05	16.2	0.58	0.59	6.3	130	2.5
200398020093		47.6	0.002	0.03	0.27	2	5.7	98.8	0.95	0.07	32.9	0.30	0.27	4.4	60	1.2
200398020094		101.0	0.002	0.05	0.69	2	5.8	278	0.33	<0.05	21.7	0.35	0.61	3.8	65	1.6
200398020095		137.5	0.002	0.02	0.41	3	6.0	453	0.13	<0.05	22.9	0.47	0.69	3.2	78	0.5
200398020096		45.2	0.002	0.03	0.44	2	0.8	542	0.35	0.07	6.3	0.21	0.25	2.4	38	0.6
200398020097		77.2	0.002	0.04	0.22	2	2.4	213	0.08	0.06	16.4	0.54	0.43	2.6	94	0.4
200398020098		41.1	0.002	0.05	0.42	2	0.9	601	0.32	<0.05	5.7	0.27	0.23	2.2	56	0.6
200398020099		133.5	0.003	0.03	0.57	3	5.8	169.0	0.80	0.11	37.2	0.47	0.64	7.4	94	2.0
200398020100		107.5	0.002	0.08	0.76	2	5.6	129.5	0.44	0.07	23.9	0.35	0.60	3.8	77	2.0
200398020101		111.5	0.002	0.08	0.79	4	5.8	133.0	0.35	0.09	25.6	0.37	0.64	4.1	82	3.0
200398020102		120.0	0.003	0.02	0.68	1	6.4	147.0	0.85	<0.05	29.9	0.32	0.70	3.7	68	2.2
200398020103		106.0	0.002	0.02	0.66	<1	4.7	162.5	0.87	<0.05	22.6	0.35	0.56	3.1	67	1.4
2[illegible]98020104		95.4	0.003	0.03	0.54	1	6.2	259	0.43	<0.05	19.2	0.42	0.50	2.9	77	1.3
2[illegible]8020105		80.4	0.002	0.02	0.48	1	5.0	161.5	0.16	<0.05	18.7	0.57	0.46	3.1	98	0.7
200398020106		138.0	0.002	0.01	0.14	2	5.8	101.0	0.05	<0.05	16.8	1.19	0.74	4.1	233	0.3
200398020107		120.5	0.003	0.05	0.46	1	5.7	90.1	0.32	<0.05	14.0	0.75	0.65	2.9	168	1.1
200398020108		112.5	0.004	0.04	0.62	1	6.3	113.5	0.52	<0.05	22.9	0.64	0.61	4.0	117	1.6
200398020109		88.6	0.002	0.05	0.40	1	6.3	113.0	0.35	<0.05	19.2	0.48	0.43	3.2	107	1.3
200398020110		78.9	0.002	0.04	0.29	1	5.8	102.0	0.13	<0.05	20.9	0.59	0.41	3.5	110	0.3
200398020111		58.8	0.005	0.04	0.48	2	1.1	556	0.28	<0.05	8.9	0.24	0.35	3.2	45	0.7
200398020112		87.0	0.003	0.03	0.20	1	4.3	202	0.10	<0.05	14.2	0.89	0.46	3.1	157	0.3
200398020113		157.5	0.003	0.05	0.20	1	5.1	205	0.24	<0.05	16.8	0.67	0.52	3.9	111	0.5
200398020114		49.4	0.003	0.04	0.46	<1	1.8	585	0.19	<0.05	8.0	0.41	0.27	2.5	94	0.7
200398020115		102.0	0.004	0.08	0.55	1	6.5	185.0	0.31	<0.05	18.2	0.36	0.47	3.7	90	2.5
200398020116		76.8	0.003	0.14	0.66	1	4.3	123.0	0.21	<0.05	16.4	0.33	0.37	4.4	77	1.3
200398020117		63.3	0.002	0.02	0.20	<1	3.1	215	0.10	<0.05	13.1	0.70	0.35	2.4	141	0.2
200398020118		47.5	0.004	0.02	0.35	<1	0.5	576	<0.05	<0.05	6.3	0.19	0.30	3.2	33	0.5
200398020119		110.5	0.003	0.02	0.17	<1	3.2	165.5	0.05	<0.05	19.2	0.54	0.58	2.9	112	0.1
200398020120		108.0	0.003	0.03	0.27	1	4.5	152.5	0.11	<0.05	31.4	0.47	0.65	5.3	98	0.3
200398020121		137.5	0.002	0.02	0.52	1	4.7	134.0	1.35	0.06	38.3	0.51	0.94	7.7	112	2.0

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200398020122		106.5	0.002	0.13	0.57	<1	4.5	133.5	0.28	<0.05	31.0	0.40	0.59	6.4	91	5.1

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021052		22.0	122	45.9	490
200399021053		15.5	138	67.4	560
2[illegible]9021054		11.2	105	68.3	320
2[illegible]9021055		22.7	106	56.5	440
200399021056		30.7	108	57.9	360
200399021057		12.0	72	13.6	320
200399021058		18.8	91	60.4	420
200399021059		17.4	88	66.2	420
200399021060		18.4	97	59.2	350
200399021061		21.3	112	68.7	320
200399021062		24.6	100	57.8	420
200399021063		46.8	118	72.4	550
200399021064		38.4	99	57.3	440
200399021065		12.7	70	54.5	360
200399021066		10.6	78	55.3	380
200399021067		13.4	94	49.3	570
200399021068		12.8	105	32.1	530
200399021069		44.3	112	51.4	550
200399021070		29.5	221	23.1	660
200399021071		18.8	181	50.2	480
200399021072		6.9	134	20.3	320
200399021073		9.1	91	17.6	250
20[illegible]99021074		7.6	69	106.0	290
[illegible] 9021075		7.9	82	22.9	220
20[illegible]99021076		11.4	93	22.2	990
200399021077		14.8	105	49.7	840
200399021078		6.0	107	80.1	800
200399021079		14.4	44	9.6	480
200399021080		8.8	94	8.8	1220
200399021081		9.4	108	4.0	1090
200399021082		7.0	105	6.1	1020
200399021083		8.9	67	124.5	380
200399021084		7.0	45	3.3	190
200399021085		8.6	64	6.6	250
200399021086		10.6	44	4.5	230
200399021087		26.3	112	75.8	350
200399021088		15.6	108	64.3	350
200399021089		19.2	86	94.7	420
200399021090		25.8	106	78.8	420
200399021091		14.8	74	64.3	350

Comments: REE's may not be totally soluble in MS61 method.

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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021092		35.3	107	61.6	450
200399021093		54.0	127	59.1	360
2[illegible]9021094		12.2	86	37.6	360
2[illegible]9021095		11.6	64	31.6	260
200399021096		23.4	104	56.1	460
200399021097		9.6	76	27.8	390
200399021098		13.2	93	49.6	580
200399021099		7.5	93	52.0	160
200399021100		6.7	53	118.0	360
200399021101		6.2	51	126.0	370
200399021102		14.2	263	20.9	260
200399021103		18.2	224	28.8	290
200399021104		12.4	80	87.4	740
200399021105		7.8	53	128.5	190
200399021106		17.4	69	111.0	320
200399021107		9.1	80	64.9	360
200399021108		11.9	58	10.0	190
200399021109		11.6	52	30.5	260
200399021110		13.4	68	38.0	290
200399021111		8.9	94	7.7	300
200399021112		6.3	64	68.3	250
200399021113		13.4	146	59.6	390
2[illegible]99021114		15.8	95	57.7	460
[illegible],9021115		19.8	83	90.5	390
200399021116		22.5	82	88.4	400
200399021117		12.1	81	112.5	380
200399021118		27.5	123	51.6	260
200399021119		28.2	117	62.0	450
200399021120		19.2	96	64.9	400
200399021121		22.0	101	48.4	590
200399021122		30.0	184	62.9	660
200399021123		5.6	91	15.8	130
200399021124		8.2	207	16.2	300
200399021125		7.4	96	21.8	360
200399021126		7.4	90	27.8	300
200399021127		7.8	91	47.9	410
200399021128		5.8	58	109.0	580
200399021129		5.4	78	15.6	240
200399021130		5.1	67	41.8	260
200399021131		4.8	85	16.6	180

Comments: REE's may not be totally soluble in MS61 method.

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

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Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021132		5.2	86	12.0	150
200399021133		4.8	91	19.2	130
2[illegible]9021134		4.4	100	15.3	180
2[illegible]9021135		4.8	85	10.4	180
200399021136		9.2	56	148.5	370
200398020047		28.9	85	31.4	780
200398020048		25.3	246	62.1	1730
200398020049		17.8	43	66.7	640
200398020050		26.0	72	75.1	900
200398020051		21.7	70	70.8	770
200398020052		34.2	126	68.7	910
200398020053		35.1	113	53.1	610
200398020054		30.0	57	9.1	390
200398020055		12.4	84	51.7	600
200398020056		20.8	79	41.4	420
200398020057		12.3	63	28.7	490
200398020058		16.8	68	29.0	460
200398020059		16.3	99	26.4	450
200398020060		11.8	88	28.8	480
200398020061		14.4	94	24.6	480
200398020062		16.5	99	18.6	540
200398020063		9.8	76	97.3	330
2[illegible]98020064		9.6	122	13.8	530
[illegible]8020065		14.0	89	18.8	480
200398020066		6.9	50	113.0	150
200398020067		13.6	70	24.6	480
200398020068		16.4	92	31.4	590
200398020069		10.2	106	28.1	520
200398020070		20.1	71	19.6	470
200398020071		10.8	75	30.6	470
200398020072		6.3	64	121.0	320
200398020073		9.3	71	62.7	400
200398020074		6.6	58	120.5	180
200398020075		6.5	58	118.0	400
200398020076		13.4	40	41.4	430
200398020077		8.9	46	51.3	540
200398020078		10.1	70	58.0	480
200398020079		5.6	50	13.0	510
200398020080		8.5	99	38.0	890
200398020081		8.3	73	69.1	490

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200398020082		8.1	68	30.6	420
200398020083		16.9	119	29.0	720
2 8020084		15.5	77	16.0	640
2 8020085		16.6	85	27.0	560
200398020086		15.4	128	15.8	610
200398020087		15.7	83	36.6	340
200398020088		14.4	118	16.9	400
200398020089		17.0	163	10.1	520
200398020090		11.0	50	44.9	350
200398020091		24.9	89	30.5	760
200398020092		25.7	73	9.0	680
200398020093		12.8	29	34.0	470
200398020094		18.0	60	18.2	490
200398020095		19.4	85	22.5	800
200398020096		6.5	49	127.5	350
200398020097		13.0	71	22.9	460
200398020098		8.6	52	117.0	370
200398020099		24.1	98	42.5	600
200398020100		13.9	57	12.9	540
200398020101		15.0	61	5.7	550
200398020102		16.2	80	40.4	590
200398020103		18.2	75	43.8	490
2 98020104		19.4	63	37.6	520
8020105		27.9	89	50.4	610
200398020106		52.8	178	18.9	960
200398020107		25.5	126	57.8	710
200398020108		32.1	130	29.7	810
200398020109		19.2	83	59.5	600
200398020110		21.6	71	67.9	650
200398020111		13.7	49	71.9	360
200398020112		31.3	99	32.5	700
200398020113		18.6	72	37.7	410
200398020114		10.8	57	63.2	370
200398020115		14.4	79	4.1	590
200398020116		13.0	48	2.6	290
200398020117		15.0	77	21.5	460
200398020118		6.8	47	19.4	380
200398020119		12.5	64	26.4	570
200398020120		16.0	54	33.3	490
200398020121		12.9	96	32.6	500

Comments: REE's may not be totally soluble in MS61 method.

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601-602 W HASTINGS ST
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Date : 4-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03022130

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200398020122		13.2	57	13.6	410

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 16-Jul-2003
Account: THR

CERTIFICATE VA03023649

Project : Regal Ridge

P.O. No:

This report is for 38 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 3-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY BONNIE PEMBERTON	DAVID GABOURY	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: ACCOUNTS PAYABLE
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

ALS Chemex

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Date : 16-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03023649

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021014		0.38	0.17	6.68	4.3	670	1.60	0.20	2.61	0.32	27.9	20.9	98	16.90	31.5	3.09
200399021015		0.26	0.14	6.51	1.8	240	3.29	0.46	3.59	0.20	13.25	38.7	220	20.6	111.5	6.25
20[illegible]9021016		0.40	0.09	6.42	3.1	330	2.26	0.96	3.27	0.20	20.8	39.5	379	26.2	73.4	7.04
2[illegible]9021017		0.38	0.11	7.09	1.3	260	2.46	0.54	3.49	0.14	17.55	38.7	210	20.1	207	6.20
200399021018		0.46	0.12	7.85	1.6	570	5.39	0.74	1.79	0.08	50.7	13.6	87	30.3	57.7	2.48
200399021019		0.48	0.11	6.79	2.5	410	5.36	1.16	2.05	1.37	38.1	35.0	176	37.5	112.5	4.44
200399021020		0.72	0.07	6.68	1.3	360	5.90	1.18	2.77	0.12	28.5	28.8	307	24.1	34.4	4.07
200399021021		0.58	0.06	6.63	1.3	320	2.75	0.54	3.98	0.14	15.55	44.8	475	32.1	72.6	5.72
200399021022		0.96	0.05	5.93	0.7	270	4.39	0.62	4.34	0.13	14.30	46.9	529	42.7	94.9	5.61
200399021023		0.58	0.06	6.33	1.9	270	2.38	0.71	4.88	0.17	18.15	47.0	467	36.2	74.4	5.90
200399021024		0.62	0.05	6.27	1.6	210	1.24	0.16	5.79	0.14	15.15	44.5	445	10.05	72.0	5.89
200399021025		0.96	0.07	6.57	4.3	500	1.46	0.24	3.52	0.21	39.2	28.2	257	11.90	34.8	4.46
200399021026		0.38	0.15	6.70	1.6	250	2.04	0.51	4.14	0.23	12.95	46.9	500	32.9	40.8	6.33
200399021027		0.48	0.23	7.38	2.0	340	1.30	0.43	1.16	0.29	17.50	45.4	176	36.3	149.5	11.30
200399021028		0.50	0.10	6.73	2.0	370	2.71	0.44	4.30	0.31	14.20	39.0	310	27.7	85.3	6.25
200399021029		0.52	0.11	6.95	2.4	460	2.82	0.35	3.62	0.17	22.8	40.6	306	33.7	144.5	5.56
200399021030		0.70	0.11	8.27	1.4	250	2.29	0.44	3.87	0.18	10.45	94.2	294	42.4	665	8.78
200399021031		0.38	0.11	6.33	2.2	430	2.87	0.22	2.64	0.59	23.0	43.4	323	17.90	32.8	5.47
200399021032		0.44	0.13	5.68	3.2	390	1.77	0.38	2.84	0.34	22.5	36.2	490	16.80	28.1	6.04
200399021033		0.28	0.06	5.64	2.2	420	3.48	0.72	3.34	0.22	22.9	41.0	631	17.95	19.2	5.63
200399021034		0.38	0.05	8.35	1.8	270	1.94	0.23	2.94	0.15	14.05	70.5	285	17.45	109.5	7.63
200399021035		0.28	0.06	7.86	3.1	400	1.12	0.13	3.07	0.06	16.15	43.4	226	8.27	56.2	5.85
20[illegible]99021036		0.30	0.07	8.95	0.9	180	1.32	0.17	3.14	0.12	8.96	69.0	354	11.80	349	8.52
2[illegible]9021037		0.36	0.12	7.95	4.3	520	5.65	1.16	2.33	0.15	45.5	27.5	159	30.0	124.5	4.51
200399021038		0.24	0.09	7.86	4.2	410	8.15	1.17	2.76	0.12	48.1	31.4	180	33.1	95.4	5.01
200399021039		0.38	0.12	7.71	4.6	440	7.52	1.21	2.65	0.30	46.7	32.9	211	40.1	114.5	5.44
200399021040		0.28	0.11	7.34	2.9	620	1.31	0.23	1.83	0.09	32.6	12.6	46	5.19	52.6	3.35
200399021041		0.24	0.18	8.27	1.4	230	0.86	0.23	2.34	0.07	11.25	50.0	239	9.03	1215	7.91
200399021042		0.16	0.05	8.34	1.1	200	0.66	0.18	3.11	0.06	9.09	50.4	402	10.25	245	7.80
200399021043		0.30	0.08	7.64	1.9	380	8.38	1.66	1.82	0.08	36.7	19.5	158	30.0	61.0	3.44
200399021044		0.28	0.10	7.88	4.5	450	7.34	1.27	2.86	0.28	41.5	27.4	207	38.6	90.1	5.52
200399021045		0.28	0.13	7.61	5.0	470	7.51	1.34	2.54	0.24	52.8	31.4	229	42.6	115.5	4.73
200399021046		0.26	0.06	7.61	0.7	240	1.11	0.23	3.64	0.20	10.75	48.4	255	10.85	331	7.26
200399021047		0.28	0.07	8.39	0.3	170	1.26	0.29	4.04	0.08	8.50	54.7	297	10.25	513	8.50
200399021048		0.22	0.08	8.31	1.4	250	1.14	0.23	3.42	0.31	11.85	58.3	307	10.85	185.0	8.07
200399021049		0.28	0.06	7.35	0.7	300	1.08	0.24	3.52	0.10	16.20	49.1	290	8.08	35.4	7.18
200399021050		0.30	0.14	7.30	1.7	330	1.20	0.22	3.06	0.13	20.1	44.2	272	8.27	36.8	6.36
200399021051		0.20	0.17	6.82	2.6	620	1.20	0.17	2.51	0.35	32.8	24.2	147	10.70	35.1	3.17

Comments: REE's may not be totally soluble in MS61 method.

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Date : 16-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03023649

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021014		16.50	0.17	0.6	0.026	1.55	15.9	21.6	2.26	1025	1.42	1.95	4.6	51.3	520	10.6
200399021015		13.15	0.20	0.6	0.046	0.43	6.3	55.0	5.46	1110	0.66	1.02	3.3	112.5	380	5.0
20[illegible]9021016		16.65	0.22	0.9	0.046	0.65	11.4	55.6	6.10	996	0.88	0.86	7.3	177.5	290	7.3
2[illegible]9021017		13.85	0.19	0.8	0.050	0.63	8.6	61.9	5.06	1175	0.91	1.22	3.4	106.0	340	7.4
200399021018		26.3	0.16	0.7	0.036	2.17	27.1	127.5	2.23	451	0.89	1.60	6.4	56.7	550	17.9
200399021019		17.25	0.20	1.0	0.046	1.46	20.6	133.0	3.75	1095	2.10	1.30	3.7	95.5	550	24.0
200399021020		18.25	0.17	1.7	0.035	1.74	15.2	109.0	4.51	709	0.68	1.36	5.0	151.5	510	19.0
200399021021		13.10	0.19	0.9	0.035	0.74	8.3	107.0	7.37	1080	0.48	0.95	3.6	237	370	5.3
200399021022		10.90	0.19	0.6	0.036	0.68	6.9	98.6	7.59	1130	0.33	0.89	2.9	247	190	4.3
200399021023		12.35	0.20	0.7	0.043	0.63	9.7	82.1	7.28	1210	0.45	0.87	4.3	229	280	5.0
200399021024		10.95	0.17	0.7	0.040	0.45	8.0	41.4	7.47	1420	0.36	0.86	3.2	232	240	4.2
200399021025		13.40	0.17	1.3	0.056	0.97	21.2	29.7	4.05	858	0.75	1.21	9.0	142.0	510	9.4
200399021026		12.35	0.19	0.5	0.042	0.46	7.1	114.0	7.93	1130	0.35	1.03	3.6	242	200	4.3
200399021027		17.80	0.28	0.6	0.054	0.53	9.2	119.5	4.13	910	0.97	0.74	4.7	83.0	880	8.4
200399021028		12.70	0.18	0.5	0.043	0.60	7.7	81.7	5.77	1110	0.54	1.32	3.6	158.0	350	5.9
200399021029		13.75	0.18	1.3	0.042	0.92	12.8	76.4	5.18	1065	0.88	1.38	5.4	167.0	410	6.4
200399021030		15.35	0.23	0.6	0.113	0.44	5.0	53.2	6.25	1845	1.22	0.60	2.2	145.0	380	4.0
200399021031		13.15	0.18	0.3	0.033	0.88	12.4	37.8	5.03	864	1.14	1.01	4.7	172.0	800	7.1
200399021032		14.50	0.19	0.8	0.039	0.72	12.2	37.0	5.41	763	1.37	0.83	6.3	183.5	230	6.1
200399021033		14.05	0.17	1.2	0.031	0.99	12.8	33.1	7.09	812	1.30	1.08	5.9	257	270	6.4
200399021034		15.20	0.22	0.6	0.043	0.51	7.4	43.9	6.69	1015	0.57	0.74	3.4	213	270	3.7
200399021035		15.75	0.18	1.5	0.040	1.04	9.3	28.8	4.98	883	0.98	1.36	3.3	144.0	250	4.5
20[illegible]9021036		16.35	0.22	0.8	0.056	0.38	6.2	46.7	7.49	1205	0.65	0.61	2.4	215	390	3.0
2[illegible]9021037		20.0	0.19	2.4	0.044	1.65	26.2	126.5	3.40	802	1.76	1.54	5.3	98.9	640	19.0
200399021038		19.85	0.21	1.7	0.040	1.87	28.8	148.5	4.09	877	1.94	1.42	4.6	117.5	520	24.6
200399021039		19.80	0.24	1.5	0.043	1.82	34.0	152.0	4.20	841	2.62	1.37	4.2	131.5	490	24.5
200399021040		17.55	0.14	0.2	0.033	1.68	18.4	24.8	1.87	512	1.64	1.86	4.0	33.7	1000	9.9
200399021041		15.95	0.22	1.0	0.050	0.56	6.0	27.0	5.74	954	2.31	0.68	2.7	110.0	740	4.0
200399021042		14.60	0.20	0.7	0.060	0.46	5.0	30.5	7.01	1215	0.84	0.63	2.3	152.0	400	2.9
200399021043		22.9	0.15	1.3	0.044	2.46	17.9	137.5	2.67	587	0.72	1.56	5.0	72.5	520	30.0
200399021044		19.40	0.21	1.6	0.045	1.76	23.4	155.5	4.08	935	2.55	1.50	3.9	99.6	560	24.1
200399021045		19.15	0.20	1.7	0.044	1.83	33.7	152.0	4.06	974	1.80	1.31	4.1	131.5	560	25.4
200399021046		14.35	0.19	0.7	0.056	0.42	5.2	35.0	6.03	1325	0.72	0.78	2.5	125.0	350	3.6
200399021047		15.75	0.22	0.5	0.067	0.36	4.0	37.2	6.93	1570	0.92	0.64	2.1	140.5	200	2.8
200399021048		15.50	0.21	0.6	0.054	0.43	6.1	35.6	6.70	1245	0.70	0.79	3.1	150.0	260	4.0
200399021049		16.65	0.20	0.8	0.049	0.56	9.1	28.2	6.44	1165	0.87	0.86	4.5	131.0	170	4.2
200399021050		17.75	0.16	1.1	0.052	0.65	11.0	26.3	5.35	1015	1.02	0.96	3.9	117.0	200	5.7
200399021051		16.05	0.10	1.7	0.028	1.49	17.8	21.6	2.92	887	1.84	1.68	4.7	87.9	390	9.9

Comments: REE's may not be totally soluble in MS61 method.

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03023649

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021014		43.6	<0.002	0.02	0.52	2	1.2	392	0.08	<0.05	5.1	0.22	0.27	1.8	111	6.1
200399021015		28.9	<0.002	0.03	0.26	2	4.7	64.7	0.15	0.05	2.6	0.21	0.20	0.7	227	25.1
20[illegible]9021016		43.3	<0.002	0.01	0.46	2	5.2	69.4	0.37	0.06	4.2	0.26	0.23	1.0	243	21.5
[illegible] 9021017		42.4	0.002	0.02	0.27	1	4.1	87.9	0.17	0.24	4.1	0.23	0.28	1.1	227	40.9
200399021018		144.0	<0.002	0.01	0.30	2	8.0	242	0.15	<0.05	13.0	0.25	0.95	4.1	96	3.3
200399021019		132.0	<0.002	0.05	0.13	2	6.6	99.9	0.10	0.05	9.9	0.16	0.84	25.3	152	3.0
200399021020		136.0	<0.002	0.04	0.20	2	9.3	152.5	0.14	<0.05	10.7	0.18	0.86	3.1	130	15.5
200399021021		47.1	<0.002	0.03	0.22	1	3.8	113.0	0.20	<0.05	3.1	0.16	0.37	0.9	194	8.4
200399021022		70.4	<0.002	0.01	0.16	1	5.3	82.5	0.16	<0.05	2.4	0.17	0.54	0.6	201	13.0
200399021023		52.9	<0.002	0.02	0.25	2	3.6	82.9	0.26	<0.05	3.2	0.19	0.41	0.7	215	5.7
200399021024		20.5	<0.002	0.02	0.21	1	1.5	73.6	0.24	<0.05	3.2	0.18	0.15	0.6	226	3.3
200399021025		43.3	<0.002	0.02	0.54	2	1.6	142.5	0.50	<0.05	7.3	0.28	0.27	1.7	165	3.8
200399021026		30.9	<0.002	0.02	0.22	1	2.7	79.6	0.24	<0.05	2.3	0.18	0.22	0.6	214	10.9
200399021027		31.1	0.002	0.12	0.45	2	1.7	83.2	0.29	0.37	2.6	0.43	0.39	1.1	253	11.5
200399021028		40.0	<0.002	0.03	0.28	1	3.5	106.0	0.21	0.05	2.6	0.21	0.27	0.9	222	8.2
200399021029		41.0	0.002	0.03	0.38	1	2.9	193.0	0.39	<0.05	4.0	0.21	0.29	1.6	182	39.8
200399021030		26.2	0.002	0.03	0.18	2	2.1	77.7	0.15	0.20	2.0	0.23	0.18	9.4	259	18.1
200399021031		40.5	<0.002	0.04	0.28	2	2.3	143.0	0.05	<0.05	3.8	0.22	0.24	1.4	185	5.1
200399021032		37.9	<0.002	0.04	0.46	2	2.9	90.6	0.25	0.05	4.0	0.23	0.23	1.0	207	20.9
200399021033		42.2	<0.002	0.04	0.39	1	4.2	170.0	0.16	<0.05	4.1	0.21	0.22	1.2	179	14.1
200399021034		28.7	0.002	0.02	0.18	1	2.3	76.6	0.20	<0.05	2.7	0.21	0.18	1.1	269	4.0
200399021035		27.1	<0.002	0.02	0.26	2	1.1	246	0.18	<0.05	3.2	0.18	0.17	1.3	181	2.0
200399021036		16.0	<0.002	0.03	0.15	1	1.4	67.7	0.16	<0.05	2.1	0.16	0.12	3.7	276	3.2
[illegible] 9021037		108.0	<0.002	0.05	0.25	2	5.9	239	0.33	<0.05	12.4	0.19	0.74	39.6	136	3.2
200399021038		162.0	<0.002	0.03	0.13	2	8.1	125.5	0.27	<0.05	13.4	0.17	1.00	55.9	155	2.9
200399021039		159.0	0.003	0.10	0.13	3	7.7	125.5	0.18	<0.05	13.7	0.16	0.98	90.8	156	3.7
200399021040		44.3	<0.002	0.06	0.48	3	0.9	360	0.10	<0.05	6.3	0.21	0.30	2.9	98	1.2
200399021041		22.8	<0.002	0.05	0.20	3	1.2	106.5	0.19	0.11	2.9	0.18	0.14	4.6	208	2.1
200399021042		15.0	<0.002	0.03	0.17	1	0.6	82.5	0.15	0.08	1.8	0.15	0.09	2.0	229	3.0
200399021043		214	<0.002	0.02	0.17	1	12.1	131.5	0.11	<0.05	14.8	0.19	1.28	5.2	110	6.5
200399021044		159.5	0.002	0.04	0.11	2	8.3	121.0	0.21	<0.05	15.4	0.17	1.03	97.7	163	2.1
200399021045		158.0	<0.002	0.04	0.15	2	7.3	133.0	0.26	<0.05	18.1	0.16	0.97	52.1	147	3.4
200399021046		21.3	<0.002	0.02	0.12	2	1.5	69.9	0.15	0.06	2.8	0.21	0.14	1.0	245	4.6
200399021047		19.6	0.002	0.01	0.11	3	1.4	65.8	0.15	0.07	1.8	0.21	0.12	1.1	270	3.2
200399021048		21.0	0.002	0.02	0.19	1	1.3	64.5	0.19	0.05	2.6	0.22	0.14	0.8	257	4.5
200399021049		29.0	<0.002	0.01	0.16	1	2.2	85.9	0.22	<0.05	3.0	0.26	0.15	0.8	255	4.3
200399021050		30.6	<0.002	0.01	0.26	<1	2.2	121.0	0.21	<0.05	3.0	0.25	0.17	0.9	209	3.2
200399021051		49.0	<0.002	0.02	0.53	<1	1.9	342	0.11	<0.05	4.7	0.23	0.26	1.8	102	3.5

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021014		7.1	90	33.5	330
200399021015		8.0	92	17.6	480
200399021016		7.7	87	31.4	450
200399021017		8.8	84	26.8	490
200399021018		6.8	54	30.2	1020
200399021019		8.4	239	28.7	610
200399021020		6.7	78	56.4	690
200399021021		7.1	82	30.1	580
200399021022		7.2	74	18.8	690
200399021023		8.2	79	21.5	440
200399021024		8.1	75	21.9	230
200399021025		11.0	74	41.8	280
200399021026		7.3	93	15.3	340
200399021027		7.5	122	21.0	220
200399021028		7.6	98	15.3	500
200399021029		8.6	121	44.7	520
200399021030		9.5	140	16.7	240
200399021031		7.0	59	8.4	340
200399021032		7.3	64	25.6	370
200399021033		6.1	62	41.4	430
200399021034		9.3	53	18.6	240
200399021035		7.1	50	52.5	130
200399021036		10.6	67	25.9	170
200399021037		9.4	126	79.6	690
200399021038		11.8	116	49.7	760
200399021039		12.6	140	44.9	660
200399021040		7.1	49	18.0	310
200399021041		7.6	56	37.1	140
200399021042		6.8	55	23.6	100
200399021043		6.8	74	48.0	760
200399021044		10.2	162	48.9	680
200399021045		11.2	155	51.6	730
200399021046		9.3	82	20.4	150
200399021047		9.7	72	13.6	160
200399021048		8.7	93	19.3	150
200399021049		9.1	86	23.2	200
200399021050		8.6	80	34.1	190
200399021051		6.9	54	63.0	290

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TRUE NORTH GEMS
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VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

CERTIFICATE VA03026131

Project : Regal Ridge

P.O. No:

This report is for 150 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 17-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
F-ELE81	Fluorine - Fusion/ Electrochem

13 samples Shine

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

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CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399020077		0.26	0.27	8.49	1.2	940	1.35	0.18	2.63	0.56	55.7	21.7	103	5.10	38.2	4.57
200399020078		0.30	0.16	8.90	0.5	1130	1.57	0.19	2.34	0.58	53.5	24.1	108	6.64	17.9	5.16
[illegible]9020079		0.38	0.84	7.70	1.7	1340	2.06	0.25	1.28	2.62	58.8	14.1	82	4.00	42.1	3.95
200399020080		0.34	0.26	8.96	0.2	1400	1.61	0.30	1.74	0.99	65.2	23.7	114	6.61	56.8	5.17
200399020081		0.40	0.32	7.54	1.4	1640	1.96	0.34	1.10	7.14	53.9	20.8	77	7.17	37.5	3.95
200399020082		0.32	0.54	7.20	1.0	1480	1.77	0.33	1.09	1.96	52.4	13.1	74	13.45	32.3	4.07
200399020083		0.34	0.27	7.22	1.3	1600	1.61	0.38	1.10	2.06	53.3	10.6	75	8.70	25.6	4.14
200399020084		0.34	0.42	8.55	0.6	1550	2.32	0.34	1.42	1.27	69.8	55.6	99	7.84	69.6	5.77
200399020085		0.36	0.24	7.20	2.3	1460	1.70	0.50	1.04	0.34	68.6	8.4	62	14.05	24.7	4.04
200399020086		0.38	0.29	8.08	1.1	1400	2.06	0.29	1.46	1.56	73.2	32.7	85	10.40	51.9	4.44
200399020087		0.28	0.25	8.63	1.4	930	2.39	0.46	1.03	0.41	110.0	16.4	56	10.35	52.8	4.39
200399020088		0.38	0.41	8.29	2.2	1200	2.05	0.44	1.22	0.42	61.8	12.0	71	12.60	24.7	4.15
200399020089		0.28	0.29	8.42	1.0	1240	2.10	0.48	1.27	0.36	53.6	10.9	50	10.25	29.2	3.71
200399020090		0.32	0.42	8.29	2.1	1340	2.67	0.71	1.23	0.41	68.3	17.2	122	18.65	43.8	5.05
200399020091		0.34	0.26	7.98	<0.2	1070	1.63	0.44	2.52	0.42	29.9	27.3	286	17.75	84.6	5.82
200399020092		0.42	0.21	8.28	0.3	1030	1.74	0.55	1.86	0.31	32.4	20.6	164	17.85	45.6	5.78
200399020093		0.30	0.34	8.85	2.6	1110	1.19	0.57	1.28	0.34	32.7	29.1	128	29.8	232	6.91
200399020094		0.30	0.13	7.71	3.1	490	3.03	0.78	3.71	0.19	33.9	26.8	295	32.7	107.0	5.57
200399021254		0.48	0.11	7.68	1.6	350	1.04	0.20	4.61	0.11	18.75	32.2	207	10.10	52.3	5.92
200399021255		0.38	0.22	6.64	2.2	380	1.09	0.23	3.60	0.12	25.5	26.1	223	8.28	31.7	4.95
200399021256		0.40	0.09	5.87	1.6	560	1.18	0.39	3.27	0.14	33.5	26.3	282	7.83	49.0	4.01
200399021257		0.26	0.10	5.29	1.2	390	0.57	0.12	4.52	0.30	16.15	41.2	540	8.37	18.0	4.13
[illegible]0399021258		0.32	0.08	5.94	2.8	690	1.32	0.25	2.29	0.25	34.4	60.1	295	6.85	25.3	3.58
[illegible]0399021259		0.30	0.08	6.04	1.1	630	1.02	0.22	3.10	0.14	29.3	28.2	314	6.92	17.9	3.94
200399021260		0.34	0.08	7.66	0.9	570	0.62	0.17	4.35	0.14	19.75	34.0	206	3.25	27.6	6.96
200399021261		0.40	0.10	7.09	2.1	540	0.85	0.23	3.45	0.18	21.8	40.5	316	8.47	84.9	5.21
200399021262		0.34	0.07	6.39	<0.2	400	0.63	0.24	4.65	0.19	13.85	37.8	429	6.24	75.7	6.22
200399021263		0.34	0.10	7.55	0.7	520	0.64	0.26	4.23	0.25	16.00	29.6	306	6.00	61.2	6.72
200399021264		0.42	0.09	7.20	<0.2	480	0.51	0.16	5.09	0.16	14.85	41.6	337	6.99	45.2	6.77
200399021265		0.34	0.13	6.85	1.5	390	0.77	0.28	5.00	0.13	12.20	37.9	363	4.76	25.7	6.66
200399021266		0.42	0.11	6.93	0.9	650	1.59	0.31	3.83	0.11	22.5	25.5	203	6.26	26.1	4.44
200399021267		0.26	0.55	6.72	0.2	440	0.74	0.20	4.10	0.11	11.35	34.5	268	4.15	84.6	5.77
200399021268		0.48	0.06	6.40	0.2	630	1.34	0.46	4.25	0.13	18.10	34.7	387	9.80	42.5	6.25
200399021269		0.40	0.14	7.22	1.3	790	1.55	0.40	3.91	0.14	26.1	34.3	392	10.05	88.0	5.88
200399021270		0.36	0.11	6.78	<0.2	170	0.29	0.28	6.01	0.13	6.78	51.1	441	2.65	21.3	7.55
200399021271		0.50	0.05	6.11	<0.2	200	0.19	0.14	6.97	0.24	2.89	48.9	508	1.78	12.8	8.57
200399021272		0.48	0.10	7.09	<0.2	390	0.99	0.20	5.54	0.10	12.65	42.8	454	8.42	52.0	6.29
200399021273		0.40	0.13	6.85	0.9	800	1.16	0.50	4.40	0.15	18.85	36.1	457	14.30	53.8	5.49
200399021274		0.46	0.12	6.84	0.9	680	3.14	0.48	3.52	0.10	33.3	26.4	265	10.75	77.0	4.16
200399021275		0.44	0.34	8.52	3.9	900	3.20	1.30	2.16	0.29	36.6	32.6	114	61.0	265	3.87

Comments: REE's may not be totally soluble in MS61 method.

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200399021276		0.54	0.17	7.50	0.9	720	2.95	0.76	2.67	0.12	33.4	21.4	198	26.4	59.0	3.69
200399021277		0.50	0.22	7.35	1.0	820	2.27	0.36	2.33	0.11	32.6	14.5	90	20.7	43.1	2.67
200399021278		0.52	0.07	7.18	0.4	850	3.18	0.42	2.78	0.12	36.7	20.9	164	17.75	43.0	3.51
200399021279		0.60	0.14	6.72	1.2	450	3.21	0.72	3.95	0.11	30.6	35.7	372	15.35	68.5	4.89
200399021280		0.38	0.07	7.02	1.8	430	3.82	0.87	3.84	0.23	33.8	37.8	331	20.3	99.8	5.14
200399021281		0.32	0.11	7.20	1.9	490	3.17	0.86	3.83	0.13	31.3	33.1	364	17.20	68.7	5.15
200399021282		0.34	0.05	6.59	1.1	370	3.85	1.08	3.93	0.19	29.0	32.4	351	14.85	59.6	4.57
200399021283		0.36	0.10	7.56	1.0	1060	2.60	0.70	2.32	0.12	46.6	14.4	140	16.25	18.4	2.95
200399021284		0.34	0.06	6.45	1.0	1060	2.93	0.60	2.55	0.11	44.6	17.7	178	8.85	11.6	3.16
200399021285		0.22	0.20	7.74	1.3	950	1.68	0.31	2.07	0.09	34.3	8.8	42	7.15	19.3	2.15
200399021286		0.42	0.12	6.55	1.6	1140	3.33	0.71	1.78	0.12	45.7	13.6	132	8.94	15.1	2.88
200399021287		0.36	0.07	6.56	1.1	1280	3.20	0.55	1.62	0.08	48.9	8.7	83	8.24	7.2	2.07
200399021288		0.34	0.14	6.61	2.8	1340	3.22	0.74	1.64	0.12	48.8	11.1	112	11.65	12.6	2.79
200399021289		0.48	0.16	6.92	2.5	1240	3.05	0.77	1.51	0.13	46.6	11.4	106	11.65	14.5	3.06
200399021290		0.42	0.10	7.35	2.3	1280	3.25	0.79	1.51	0.14	50.9	12.7	113	12.25	15.4	3.40
200399021291		0.38	0.09	6.91	1.4	1280	2.88	0.58	1.62	0.12	56.9	10.8	102	12.40	11.1	2.67
200399021292		0.36	0.34	7.64	2.2	970	1.71	0.37	1.78	0.09	38.2	7.7	40	7.63	17.5	2.25
200399021293		0.38	0.12	7.67	2.1	1220	2.60	0.43	1.69	0.12	48.8	16.8	129	10.95	20.2	3.49
200399021294		0.30	0.24	7.23	2.9	850	1.42	0.27	1.67	0.14	34.7	10.2	25	5.24	24.1	2.44
200399021295		0.28	0.20	7.24	4.2	1200	2.64	0.54	1.49	0.23	48.4	23.1	151	11.25	30.0	4.02
200399021296		0.34	0.16	5.99	1.2	850	2.87	0.46	2.52	0.32	43.6	20.1	317	14.80	35.1	3.51
200399021297		0.28	0.34	5.78	2.4	950	2.74	0.53	1.90	0.76	55.1	22.3	120	16.10	49.0	3.50
200399021298		0.26	0.40	5.86	2.8	820	2.58	0.61	1.91	0.36	42.9	21.7	148	13.70	45.5	3.87
200399021299		0.42	0.09	6.37	3.2	950	1.84	0.30	2.36	0.24	38.8	20.4	400	5.32	24.8	4.46
200399021300		0.44	0.04	6.97	0.5	1200	1.97	0.48	1.89	0.10	47.8	9.3	126	9.08	4.4	2.26
200399021301		0.42	0.06	7.04	1.5	1160	2.59	0.55	1.69	0.13	52.3	11.7	122	9.13	12.4	2.84
200399021302		0.34	0.20	6.04	3.7	1110	2.20	0.91	2.23	0.22	45.0	45.9	386	17.70	43.7	4.65
200399021303		0.36	0.13	5.91	3.7	1220	1.84	0.63	1.96	0.30	41.4	14.6	238	12.35	21.0	3.31
200399021304		0.48	0.27	6.82	1.5	1080	2.33	0.47	2.28	0.16	36.1	17.4	188	10.75	30.5	3.35
200399021305		0.32	0.44	6.81	3.5	840	2.70	0.67	2.55	0.34	49.6	24.1	177	21.0	152.0	3.82
200399021306		0.36	0.19	6.22	2.5	740	1.66	0.39	3.14	0.35	22.4	31.9	467	9.20	33.9	5.74
200399021307		0.32	0.18	6.14	2.1	840	1.22	0.29	2.58	0.24	25.2	20.4	236	6.85	19.2	3.90
200399021308		0.28	0.11	6.27	1.5	860	2.59	0.44	2.75	0.20	44.1	23.8	192	10.25	42.8	3.58
200399021309		0.32	0.10	6.19	1.3	690	1.07	0.15	2.80	0.41	29.4	16.2	140	3.51	26.3	2.88
200399021310		0.28	0.23	6.26	1.4	570	1.33	0.29	3.05	0.16	32.3	27.1	159	8.28	107.0	3.69
200399021311		0.38	0.07	6.54	0.5	480	1.26	0.24	3.85	0.14	24.0	34.6	308	6.75	53.9	4.93
200399021312		0.56	0.06	5.73	0.2	430	1.04	0.16	4.33	0.15	21.9	37.2	333	5.05	40.4	4.67
200399021313		0.36	0.16	6.32	0.6	500	1.66	0.33	3.47	0.12	23.9	29.9	275	10.75	50.2	4.32
200399021314		0.32	0.15	6.08	1.1	590	1.14	0.27	3.06	0.27	20.4	26.3	268	7.83	36.3	4.11
200399021315		0.38	0.07	7.11	0.2	390	0.98	0.24	3.82	0.62	14.30	39.5	321	4.35	90.5	6.16

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200399021316		0.34	0.11	6.07	0.5	510	1.26	0.23	3.80	0.51	20.9	34.3	290	5.87	171.5	4.69
200399021317		0.30	0.07	6.18	<0.2	460	1.54	0.26	3.62	0.13	19.50	30.7	279	7.90	38.8	4.54
99021318		0.28	0.06	5.68	<0.2	460	1.75	0.26	3.41	0.09	21.3	25.5	235	8.60	34.6	3.89
399021320		0.32	0.05	6.36	0.5	440	1.26	0.31	3.79	0.09	16.60	39.6	338	5.97	98.3	5.31
200399021321		0.26	0.09	6.99	0.5	510	1.56	0.35	3.06	0.09	23.0	44.8	219	6.73	323	5.32
200399021322		0.30	0.05	6.14	<0.2	320	0.95	0.19	3.96	0.07	14.70	43.9	478	4.45	76.1	5.72
200399021323		0.32	0.12	5.65	3.5	1280	2.73	0.38	2.48	0.54	64.0	21.3	243	9.73	27.2	3.57
200399021324		0.34	0.08	5.88	3.1	1360	2.96	0.46	2.09	0.22	44.5	22.1	183	10.25	19.6	3.50
200399021325		0.48	0.08	5.87	4.6	1080	2.05	0.43	1.82	0.14	41.3	14.0	142	7.51	12.4	3.20
200399021326A		0.44	0.06	6.03	2.0	410	0.90	0.16	4.93	0.14	14.10	44.3	390	4.33	46.7	5.52
200399021326B		0.34	0.31	5.79	1.7	890	2.92	0.52	1.87	0.41	45.2	15.7	100	10.50	88.4	2.53
200399021327		0.22	0.39	4.92	1.9	580	1.93	0.58	1.37	0.54	33.2	25.3	85	10.10	88.3	2.67
200399021328		0.36	0.19	6.45	1.3	820	2.25	0.45	2.48	0.42	37.0	24.2	199	9.53	102.0	3.70
200399021329		0.50	0.11	6.37	1.5	750	2.09	0.40	3.12	0.34	31.6	29.5	248	8.35	74.0	4.27
200399021330		0.40	0.19	7.21	1.5	730	1.68	0.40	2.09	0.35	34.1	19.2	127	8.09	113.5	3.06
200399021331		0.36	0.12	6.26	1.3	610	1.54	0.33	2.89	0.20	28.6	29.5	222	7.02	85.1	3.92
200399021332		0.36	<0.02	6.03	<0.2	670	<0.05	<0.01	3.19	<0.02	0.01	<0.1	240	<0.05	<0.2	4.01
200399021333		0.34	0.15	5.87	1.2	670	1.67	0.33	3.38	0.23	29.3	29.4	232	6.62	101.0	4.13
200399021334		0.38	0.15	6.27	1.6	650	1.32	0.28	3.50	0.50	26.2	43.5	328	6.19	117.5	5.08
200399021335		0.56	0.09	6.47	0.9	630	2.30	0.36	3.44	0.15	33.6	34.2	319	9.72	55.3	4.63
200399021336		0.42	0.09	6.29	0.5	550	1.36	0.29	3.28	0.16	24.0	31.9	305	10.70	29.0	4.56
200399021337		0.36	0.08	7.03	1.1	590	1.59	0.35	2.86	0.20	27.3	37.8	224	10.45	54.9	4.42
0399021338		0.24	0.10	6.10	1.0	510	1.40	0.27	3.68	0.10	21.3	36.8	291	7.98	65.8	4.57
0399021339		0.36	0.10	5.98	0.4	480	1.48	0.22	4.16	0.14	16.85	39.5	435	8.02	40.2	5.02
200399021340		0.42	0.12	6.06	2.9	1040	2.73	0.35	2.80	0.29	22.9	30.2	502	10.45	27.5	5.21
200399021341		0.40	0.09	5.95	1.0	310	0.54	0.07	4.45	0.13	12.40	49.8	566	2.73	53.8	5.62
200399021342		0.32	0.18	5.18	31.9	560	1.26	0.31	3.34	0.23	21.5	43.1	394	13.30	51.0	4.46
200399021343		0.34	0.06	5.75	1.6	1220	1.56	0.29	2.73	0.13	28.7	21.3	310	4.75	14.3	3.84
200399021344		0.30	0.07	6.08	0.6	1360	1.27	0.32	2.29	0.08	36.0	13.0	212	3.93	4.9	2.06
200399021345		0.42	0.07	5.67	2.5	1220	1.74	0.26	3.72	0.18	39.0	41.1	578	4.87	32.5	4.98
200399021346		0.34	0.11	6.92	1.3	510	1.28	0.30	4.42	0.20	16.20	43.2	470	5.14	47.6	6.34
200399021347		0.42	0.08	5.59	1.7	560	1.20	0.22	3.73	0.14	21.7	38.9	453	5.01	27.3	5.12
200399021348		0.46	0.10	6.07	0.6	770	2.55	0.47	2.92	0.10	36.5	25.5	218	7.75	13.0	3.56
200399021349		0.34	0.10	6.03	1.1	1440	3.44	0.65	1.80	0.11	51.2	16.8	159	9.57	12.5	2.82
200399021350		0.34	0.13	6.21	0.7	480	1.10	0.18	3.32	0.09	24.9	30.2	259	5.47	23.1	4.23
200399021351		0.36	0.08	5.07	6.0	810	1.47	0.27	2.45	0.38	62.4	41.0	432	8.42	15.2	4.08
200399021352		0.34	0.13	5.93	4.4	1380	2.64	0.44	2.29	0.44	39.9	23.5	260	10.20	17.0	3.67
200399021353		0.38	0.13	5.85	3.2	1360	2.59	0.38	2.51	0.41	41.2	25.4	336	9.55	16.2	3.81
200399021354		0.22	0.30	6.82	3.1	1180	2.42	0.45	1.74	0.15	44.9	16.6	117	7.89	21.9	2.89
200399021355		0.36	0.19	6.20	1.4	870	2.37	0.33	2.59	0.29	34.5	21.7	372	6.63	14.5	3.58

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021356		0.60	0.05	5.77	1.2	1180	3.15	0.44	3.06	0.17	54.1	24.4	312	5.32	22.2	3.52
200399021357		0.42	0.07	5.31	0.6	1080	2.92	0.45	2.92	0.20	40.0	22.0	393	7.52	21.3	3.31
99021358		0.22	0.42	6.54	2.0	910	2.49	0.68	2.20	0.37	39.7	20.2	179	14.35	53.1	3.55
99021359		0.26	0.21	5.61	58.1	900	2.55	0.43	2.79	0.68	43.8	25.2	226	14.30	37.5	3.83
200399021360		0.26	0.19	5.78	48.5	680	2.07	0.45	2.79	0.29	27.2	31.5	265	21.7	42.7	3.75
200399021361		0.22	0.19	6.03	61.8	610	2.09	0.42	3.15	0.24	26.2	38.9	299	22.4	51.0	4.34
200399021362		0.28	0.19	6.85	32.0	780	1.69	0.41	2.31	0.16	30.4	15.6	83	10.50	35.9	2.65
200399021363		0.24	0.11	6.35	43.8	720	2.25	0.44	2.67	0.19	30.3	27.2	233	16.75	44.2	3.63
200399021364		0.28	0.08	5.44	22.8	650	2.05	0.27	3.79	0.14	26.1	27.6	324	10.10	22.2	3.78
200399021365		0.30	0.12	6.53	30.2	770	1.47	0.23	2.27	0.11	28.5	10.8	54	4.77	27.5	2.21
200399021366		0.46	0.08	5.95	1.4	390	2.16	0.28	3.91	0.12	19.05	34.0	354	8.82	39.6	4.51
200399021367		0.26	0.07	6.45	2.5	940	1.38	0.42	2.36	0.13	27.6	25.8	211	11.70	13.8	3.53
200399021368		0.40	0.18	5.37	0.8	560	1.58	0.28	3.56	0.11	24.3	24.9	330	11.15	4.3	3.57
200399021369		0.34	0.13	6.32	1.6	770	1.86	0.38	2.37	0.09	29.9	16.8	156	9.21	14.4	2.72
200399021370		0.40	0.06	5.62	1.7	710	1.51	0.20	3.75	0.12	25.5	30.6	370	4.92	27.7	4.18
200399021371		0.30	0.19	5.76	16.3	550	1.48	0.50	3.00	0.23	19.40	45.6	402	21.1	54.2	4.84
200398020305		0.46	0.09	7.39	5.0	1480	3.65	0.68	0.73	0.24	119.0	13.8	38	3.88	13.8	4.14
200398020306		0.34	0.11	8.30	5.7	960	4.02	1.64	0.35	0.29	156.5	7.7	22	9.52	21.2	3.94
200398020307		0.34	0.06	8.01	4.4	1080	3.45	1.52	0.34	0.27	145.5	6.3	18	6.09	7.1	2.98
200398020308		0.46	0.06	8.32	4.3	940	3.88	3.29	0.46	0.60	191.5	6.8	21	9.16	23.0	3.18
200398020309		0.44	0.03	7.82	3.9	1070	3.45	1.30	0.51	0.31	126.0	10.0	34	6.67	32.1	3.79
200398020310	Shine	0.36	0.08	7.71	1.2	610	3.74	2.98	2.63	0.17	80.5	30.5	65	22.3	44.6	7.76
0398020311		0.34	0.05	8.10	2.7	740	3.89	1.36	1.24	0.16	93.8	21.7	58	20.5	24.9	5.58
0398020312		0.36	0.07	7.84	2.3	650	4.40	0.86	1.61	0.13	88.2	20.2	61	18.95	22.5	5.51
200398020313		0.44	0.06	7.36	1.8	550	4.40	0.46	2.78	0.18	94.5	28.5	69	16.35	22.6	7.29
200398020314		0.32	0.07	7.53	1.1	560	4.37	0.59	2.94	0.18	90.5	25.2	58	20.3	20.5	7.23
200398020315		0.28	0.12	7.84	1.7	610	5.19	1.37	1.66	0.18	86.6	16.6	41	24.3	20.5	5.40
200398020316		0.32	0.08	7.06	4.5	760	4.13	2.00	1.26	0.26	81.8	8.9	42	18.20	18.4	4.14
200398020317		0.42	0.08	7.16	4.0	590	4.70	1.18	1.22	0.20	71.1	7.8	30	11.65	9.4	3.34

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399020077		15.35	0.26	1.0	0.041	1.05	27.0	35.5	2.62	798	1.66	1.81	7.7	62.8	950	14.6
200399020078		19.15	0.29	1.0	0.041	1.13	28.5	46.6	3.04	917	1.08	1.74	8.6	54.6	540	16.8
99020079		17.00	0.26	1.5	0.041	1.17	28.8	40.3	2.31	685	5.89	1.07	6.6	62.2	1350	20.8
399020080		20.7	0.28	1.8	0.051	1.20	29.0	50.5	2.83	917	7.26	1.22	7.6	127.5	1200	17.0
200399020081		18.05	0.23	0.3	0.043	1.20	27.0	46.2	2.08	1230	6.30	1.03	6.8	60.2	2210	16.8
200399020082		17.15	0.25	0.2	0.039	1.20	26.7	38.5	1.61	693	4.59	1.10	7.3	49.3	2050	17.2
200399020083		19.30	0.24	0.4	0.044	1.39	27.8	37.2	1.62	640	5.36	1.11	8.7	45.5	1570	22.1
200399020084		15.20	0.29	1.3	0.055	1.24	36.4	56.5	2.26	1010	10.55	1.21	6.9	95.1	1280	23.5
200399020085		20.3	0.25	1.8	0.047	1.63	35.8	30.2	0.98	460	7.41	1.24	11.2	34.2	720	23.1
200399020086		16.45	0.27	1.3	0.048	1.33	34.0	44.7	2.26	1170	7.20	1.06	6.9	89.0	1460	17.0
200399020087		16.75	0.25	1.2	0.053	1.78	51.5	36.8	1.18	591	5.20	0.91	10.2	62.4	1460	20.8
200399020088		17.25	0.23	1.2	0.044	1.84	30.6	52.1	1.39	514	3.45	1.42	9.7	41.8	610	17.1
200399020089		18.85	0.26	1.6	0.041	1.77	27.7	50.9	1.25	571	5.00	1.68	8.6	35.4	620	16.0
200399020090		18.30	0.25	1.1	0.054	1.62	31.8	74.3	2.11	733	4.84	1.23	10.2	65.7	870	19.7
200399020091		15.95	0.25	0.7	0.044	1.02	14.2	71.2	3.93	1370	3.67	1.67	5.6	134.5	270	14.8
200399020092		16.80	0.26	0.8	0.216	1.16	16.9	88.9	3.32	978	2.34	1.73	6.5	68.4	440	14.3
200399020093		22.3	0.21	1.6	0.097	1.21	18.4	136.0	4.25	1080	8.55	1.44	4.3	56.3	550	11.7
200399020094		17.20	0.19	1.3	0.047	1.00	22.1	118.5	4.15	1020	1.48	1.27	4.2	128.0	630	14.2
200399021254		14.30	0.17	0.8	0.044	0.57	10.0	31.4	4.39	1180	0.51	1.34	4.4	97.4	240	5.6
200399021255		13.95	0.16	0.9	0.041	0.61	13.4	28.4	3.98	890	0.46	1.12	6.0	93.2	220	6.6
200399021256		14.85	0.15	1.3	0.034	0.88	17.7	21.6	4.07	777	0.68	1.06	7.7	137.0	210	9.4
200399021257		12.20	0.14	1.4	0.025	0.83	9.0	14.6	7.23	816	0.66	1.02	3.3	296	260	5.4
0399021258		14.90	0.15	1.8	0.026	1.44	17.2	23.6	4.32	1130	1.06	1.52	5.5	277	390	10.1
J0399021259		14.75	0.15	1.3	0.033	1.07	15.2	22.1	4.82	739	0.63	1.13	7.0	211	210	8.9
200399021260		19.55	0.16	1.4	0.057	0.88	11.1	15.4	4.56	1005	0.78	1.02	5.0	102.0	430	6.4
200399021261		16.00	0.16	1.2	0.040	0.92	12.0	28.0	5.28	974	0.64	1.02	5.5	290	430	7.9
200399021262		15.75	0.17	0.7	0.045	0.49	7.9	25.8	6.08	1215	0.65	0.91	4.4	195.5	220	6.2
200399021263		18.15	0.16	0.7	0.046	0.53	8.5	19.2	4.60	1300	0.80	1.52	6.1	126.5	200	8.1
200399021264		16.50	0.17	0.6	0.067	0.45	8.0	20.5	6.68	1465	0.27	0.99	5.2	151.5	80	7.5
200399021265		15.75	0.17	0.6	0.046	0.46	6.3	30.4	5.90	1600	0.39	0.93	4.4	145.0	150	6.0
200399021266		17.70	0.14	1.7	0.036	1.17	12.0	31.1	3.93	1065	0.94	1.54	5.1	102.0	260	9.1
200399021267		13.90	0.15	0.4	0.042	0.46	5.7	22.4	4.90	1250	0.38	1.21	3.1	116.0	260	6.4
200399021268		16.00	0.17	0.6	0.045	0.65	9.4	42.5	5.26	1370	0.85	0.99	5.1	174.0	140	8.9
200399021269		15.80	0.16	0.7	0.045	0.81	12.9	44.1	5.06	1290	0.87	1.06	6.3	186.5	220	11.3
200399021270		17.25	0.16	0.4	0.043	0.29	3.6	23.3	7.47	1340	0.16	1.03	2.0	149.0	70	3.9
200399021271		14.85	0.15	0.3	0.038	0.35	1.5	17.4	7.17	1210	0.18	1.45	1.3	263	100	3.0
200399021272		15.80	0.15	0.7	0.044	0.66	6.7	38.7	6.32	1230	0.29	1.36	3.3	206	70	6.9
200399021273		18.85	0.16	1.0	0.044	1.00	10.2	42.2	5.63	1000	1.24	1.18	8.1	217	260	9.6
200399021274		16.50	0.14	1.2	0.040	1.42	17.2	63.7	3.97	872	0.54	1.40	5.7	134.0	200	17.5
200399021275		25.1	0.15	0.6	0.049	1.76	21.5	109.5	2.09	781	3.79	1.46	5.8	118.5	1010	20.3

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
200399021276		21.4	0.14	1.8	0.042	1.68	17.8	83.6	3.15	730	1.27	1.42	6.5	102.0	250	18.2
200399021277		20.2	0.12	2.5	0.029	1.85	17.8	55.8	2.04	553	1.12	1.79	5.8	57.8	380	13.4
99021278		19.30	0.15	1.5	0.040	1.66	18.4	69.9	3.23	727	0.67	1.45	6.6	90.2	210	17.9
99021279		16.15	0.15	1.2	0.040	1.18	15.6	76.3	5.09	992	0.73	1.18	3.6	179.5	330	16.1
200399021280		17.25	0.17	1.2	0.043	1.18	19.2	90.5	5.16	1060	0.91	1.12	3.6	194.0	310	15.9
200399021281		17.30	0.16	1.5	0.042	1.36	16.6	77.6	4.89	1055	0.98	1.28	4.0	172.5	360	16.3
200399021282		15.20	0.14	1.0	0.039	1.30	14.8	70.0	4.76	921	0.60	1.26	3.0	166.5	280	17.6
200399021283		24.5	0.18	2.0	0.043	1.86	25.0	54.4	2.21	609	0.74	1.56	1.8	65.0	240	20.8
200399021284		20.2	0.15	1.4	0.042	1.64	23.3	45.8	2.81	707	0.89	1.30	8.9	87.2	300	20.9
200399021285		21.8	0.12	0.3	0.027	2.12	18.3	34.0	1.18	450	1.46	2.11	5.2	28.6	660	14.4
200399021286		18.95	0.15	1.6	0.035	2.01	23.3	59.8	1.87	599	1.02	1.41	7.1	65.4	420	24.5
200399021287		20.1	0.13	1.8	0.031	2.06	25.4	47.0	1.38	518	0.86	1.54	5.7	37.8	290	23.9
200399021288		20.6	0.15	1.7	0.040	2.08	25.8	52.6	1.54	578	1.14	1.40	5.0	49.9	350	24.4
200399021289		21.1	0.15	1.6	0.042	2.06	24.1	58.9	1.59	595	1.22	1.40	5.9	49.4	270	26.9
200399021290		22.2	0.16	1.6	0.045	1.93	26.7	61.2	1.72	627	1.23	1.32	6.8	53.1	350	25.5
200399021291		21.7	0.16	1.8	0.044	2.08	29.9	50.9	1.70	525	0.84	1.32	5.6	48.1	470	24.6
200399021292		21.3	0.12	0.4	0.028	2.18	20.3	33.1	1.00	439	1.73	2.06	5.6	22.5	760	15.6
200399021293		22.1	0.17	1.7	0.048	1.96	25.8	51.4	2.37	573	1.16	1.37	11.0	76.7	450	19.4
200399021294		19.75	0.12	0.9	0.024	2.08	18.8	28.9	0.84	500	2.00	2.19	5.3	20.1	410	11.7
200399021295		21.7	0.19	1.5	0.055	2.06	25.3	59.8	2.47	962	1.28	1.12	11.4	86.0	510	19.6
200399021296		14.75	0.18	1.0	0.039	1.28	24.7	51.5	2.54	1035	1.34	1.30	7.8	98.4	650	18.4
200399021297		15.15	0.21	0.4	0.039	1.34	33.5	47.9	1.82	1615	8.58	1.06	6.5	88.8	970	18.5
0399021298		14.15	0.20	0.5	0.038	1.16	27.5	54.2	1.74	930	7.07	1.06	6.2	88.6	730	17.0
0399021299		15.95	0.17	0.8	0.054	1.26	20.8	36.8	2.65	802	0.89	1.18	8.0	107.5	800	15.3
200399021300		23.5	0.19	1.0	0.048	1.96	25.1	27.7	1.54	575	0.07	1.62	0.9	43.5	230	23.1
200399021301		22.9	0.18	1.3	0.050	2.05	27.6	50.4	1.73	567	0.36	1.54	1.4	59.6	340	25.6
200399021302		18.25	0.18	0.2	0.049	1.32	23.0	37.0	2.61	2350	3.57	1.18	9.6	117.5	970	33.8
200399021303		18.45	0.14	0.6	0.056	1.62	22.2	23.5	2.03	629	1.86	1.43	9.0	78.4	530	18.0
200399021304		18.90	0.14	1.6	0.040	1.64	19.2	52.3	2.53	730	1.38	1.58	7.8	89.9	530	15.8
200399021305		16.25	0.18	0.6	0.045	1.30	28.4	79.3	3.02	792	1.39	1.08	5.5	155.5	760	15.8
200399021306		16.50	0.17	0.7	0.047	0.84	11.4	40.6	4.76	911	1.02	1.00	7.0	177.5	390	9.7
200399021307		17.10	0.14	0.8	0.036	1.26	13.2	21.7	2.87	764	1.04	1.42	6.1	97.8	730	11.3
200399021308		14.85	0.14	1.1	0.040	1.43	22.4	49.9	3.08	898	0.55	1.34	7.2	113.5	570	17.2
200399021309		15.95	0.12	0.3	0.027	1.46	16.4	18.1	2.68	604	1.00	1.78	5.0	79.0	570	8.7
200399021310		14.90	0.13	1.3	0.036	0.94	17.1	35.0	3.16	1040	0.82	1.18	4.3	116.5	710	8.8
200399021311		13.90	0.15	0.8	0.042	0.78	12.0	29.5	5.17	1040	0.40	1.30	4.2	149.5	220	7.4
200399021312		11.75	0.14	0.6	0.038	0.65	11.2	20.3	5.34	1080	0.31	1.16	4.0	167.0	220	6.2
200399021313		15.50	0.14	1.2	0.038	0.95	12.6	44.9	4.72	832	0.55	1.17	4.4	153.5	280	9.0
200399021314		15.70	0.14	1.4	0.034	1.08	11.0	28.1	4.25	821	0.95	1.30	5.6	138.0	170	8.2
200399021315		16.90	0.16	0.8	0.045	0.60	7.7	33.2	6.40	1220	0.53	1.14	3.3	174.0	110	7.0

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
200399021316		13.00	0.15	0.8	0.040	0.69	11.8	28.0	4.90	1105	0.38	1.08	3.8	164.5	310	8.5
200399021317		15.20	0.15	1.0	0.039	0.88	10.6	37.3	4.81	929	0.36	1.22	4.1	143.5	200	8.5
`99021318		13.60	0.12	0.9	0.036	0.90	10.9	40.7	4.30	814	0.31	1.18	3.7	122.0	150	9.1
99021320		13.75	0.15	0.7	0.040	0.71	8.9	31.6	5.61	1005	0.28	0.99	3.6	177.0	230	7.8
200399021321		16.20	0.16	1.1	0.055	0.83	12.6	41.0	4.72	1020	0.54	0.97	4.2	132.0	330	9.2
200399021322		13.50	0.16	0.6	0.039	0.56	7.8	25.6	6.19	926	0.28	0.84	2.6	186.0	150	6.1
200399021323		15.50	0.20	1.1	0.047	1.55	35.0	56.1	2.63	1145	0.98	1.16	8.5	108.5	790	22.0
200399021324		16.30	0.16	1.1	0.051	1.66	22.3	58.3	2.45	915	1.19	1.20	10.4	92.7	600	24.8
200399021325		17.30	0.14	1.5	0.055	1.60	20.9	38.9	2.01	598	1.26	1.36	9.3	68.6	440	19.0
200399021326A		11.70	0.13	0.4	0.043	0.56	7.0	17.4	6.22	1175	0.36	1.16	3.5	196.5	240	5.7
200399021326B		15.25	0.14	0.6	0.042	1.33	24.4	55.8	1.94	477	0.55	1.08	5.8	118.0	900	17.0
200399021327		11.70	0.12	0.3	0.035	0.86	17.4	49.7	1.40	1055	1.38	0.68	3.9	116.0	1270	11.9
200399021328		15.70	0.15	1.3	0.044	1.31	20.7	49.0	3.27	749	0.77	1.13	7.1	143.0	770	13.8
200399021329		15.10	0.15	1.1	0.046	1.10	16.4	42.2	4.16	923	0.63	1.18	6.6	155.5	520	13.3
200399021330		18.10	0.14	2.5	0.039	1.49	18.3	44.6	2.46	519	0.95	1.54	6.0	127.0	800	10.8
200399021331		14.85	0.15	1.4	0.040	1.01	15.1	36.2	3.96	975	0.75	1.18	5.4	174.5	450	10.1
200399021332		<0.05	<0.05	<0.1	<0.005	0.96	<0.5	<0.2	4.15	1120	<0.05	1.02	<0.1	<0.2	540	<0.5
200399021333		13.75	0.14	1.1	0.043	0.89	16.4	35.0	4.18	1085	0.66	1.10	5.5	165.5	530	11.1
200399021334		14.15	0.16	1.0	0.045	0.82	14.4	32.1	5.04	1350	1.06	1.02	5.1	207	420	9.0
200399021335		15.50	0.15	1.1	0.047	1.14	17.1	46.1	4.78	1005	0.55	1.23	6.2	165.5	280	11.8
200399021336		16.30	0.16	1.1	0.041	0.98	12.4	34.9	5.10	889	0.52	1.14	6.0	154.0	100	7.7
200399021337		17.30	0.15	1.6	0.042	1.22	14.0	45.3	4.47	899	0.82	1.36	5.6	171.5	180	10.2
`0399021338		13.65	0.14	1.0	0.040	0.80	12.5	36.8	5.17	841	0.36	1.07	4.7	208	380	8.3
0399021339		13.15	0.15	0.6	0.044	0.67	8.9	35.2	6.02	1040	0.23	1.10	4.5	198.0	170	6.9
200399021340		18.55	0.17	0.9	0.045	1.09	11.8	40.0	4.44	836	1.28	1.18	10.1	189.5	210	10.9
200399021341		11.80	0.16	0.6	0.034	0.50	8.8	17.8	7.88	1015	0.24	0.64	2.7	310	230	3.7
200399021342		11.90	0.16	0.8	0.050	0.73	13.9	36.5	5.51	906	0.53	0.80	4.7	447	460	9.2
200399021343		17.75	0.14	1.1	0.041	1.32	14.8	26.5	3.32	695	0.85	1.36	8.8	126.0	250	11.6
200399021344		18.55	0.12	1.5	0.030	1.52	18.8	21.1	2.40	520	0.65	1.42	7.3	75.5	100	14.1
200399021345		12.35	0.16	0.9	0.040	1.06	19.0	26.6	5.44	991	0.35	0.96	8.4	409	260	11.7
200399021346		13.70	0.16	0.8	0.043	0.60	8.5	31.1	5.67	1135	0.35	0.90	3.9	279	360	8.2
200399021347		13.55	0.15	0.7	0.041	0.69	11.6	26.3	6.45	928	0.27	0.90	5.8	265	130	8.1
200399021348		17.30	0.13	1.3	0.045	1.32	18.1	51.3	4.04	756	0.34	1.23	6.8	126.0	120	14.8
200399021349		19.55	0.14	1.6	0.042	1.78	25.9	73.3	2.54	611	0.44	1.21	8.7	90.0	120	22.0
200399021350		15.20	0.15	1.4	0.039	0.98	13.1	24.5	4.66	778	0.49	1.22	5.2	164.0	170	7.4
200399021351		12.30	0.18	1.4	0.042	1.06	33.1	30.9	3.86	709	0.69	1.15	10.1	279	260	13.0
200399021352		15.70	0.16	1.0	0.047	1.60	19.8	46.5	2.76	959	1.54	1.21	9.6	99.5	590	22.1
200399021353		15.80	0.16	0.6	0.047	1.58	20.4	44.2	2.96	1050	1.40	1.23	7.9	111.0	580	21.6
200399021354		19.15	0.14	0.3	0.042	1.82	23.2	57.6	1.92	613	2.25	1.52	7.1	65.7	1060	18.0
200399021355		15.20	0.14	1.2	0.034	1.18	17.3	29.4	2.88	863	0.85	1.76	6.8	101.0	380	13.0

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021356		14.35	0.16	1.1	0.041	1.54	27.2	45.2	3.92	815	0.33	1.30	8.5	145.5	480	18.2
200399021357		13.60	0.14	0.8	0.037	1.44	19.2	50.0	3.52	924	0.53	1.20	6.3	126.5	380	18.1
99021358		18.00	0.15	0.4	0.047	1.40	21.0	65.8	2.71	655	1.36	1.12	6.3	137.5	790	15.4
99021359		13.50	0.15	0.4	0.040	1.20	20.8	49.6	2.95	2590	1.12	1.16	5.3	212	750	14.9
200399021360		13.85	0.11	1.0	0.038	1.04	18.1	47.0	3.55	772	0.77	1.04	4.7	340	750	13.2
200399021361		14.55	0.12	0.9	0.043	0.98	18.6	47.2	4.31	922	0.69	1.02	4.5	468	760	13.6
200399021362		16.85	0.10	0.4	0.028	1.62	20.0	36.2	1.70	632	1.22	1.74	3.6	137.0	900	11.3
200399021363		15.45	0.10	0.6	0.037	1.20	19.6	50.3	3.34	700	0.74	1.25	4.2	211	760	12.4
200399021364		12.30	0.09	0.9	0.034	0.97	16.4	33.2	3.99	1005	0.43	1.29	4.5	198.0	590	10.7
200399021365		15.50	0.09	0.5	0.020	1.68	19.8	29.3	1.30	539	1.22	1.88	2.8	121.5	890	9.3
200399021366		13.30	0.08	0.9	0.043	0.75	11.4	40.1	5.02	914	0.40	1.22	3.6	169.0	290	8.1
200399021367		18.15	0.09	1.3	0.035	1.39	17.4	28.4	3.05	869	1.32	1.44	7.1	120.5	660	13.6
200399021368		14.45	0.07	1.2	0.036	0.96	15.4	25.8	4.52	754	0.49	1.17	5.6	145.0	170	9.1
200399021369		17.65	0.08	1.8	0.033	1.55	18.7	39.8	2.62	553	0.92	1.57	6.2	96.3	330	12.8
200399021370		12.15	0.09	0.8	0.040	0.84	15.7	24.8	4.84	836	0.46	1.18	5.4	200	340	9.0
200399021371		13.50	0.11	0.6	0.038	0.87	12.6	34.6	5.28	947	0.71	0.99	3.9	678	660	11.4
200398020305		24.4	0.28	0.4	0.128	3.68	79.4	34.1	1.12	885	3.00	0.71	16.0	24.5	1020	11.2
200398020306		28.0	0.28	3.1	0.177	3.36	93.0	45.7	1.42	686	8.79	0.68	21.1	14.4	840	12.2
200398020307		25.3	0.26	3.1	0.121	3.57	81.0	42.9	1.34	583	5.46	0.48	18.4	11.4	580	13.2
200398020308		26.1	0.31	3.2	0.108	3.51	107.5	43.7	1.40	589	5.95	0.50	18.0	12.0	890	29.2
200398020309		25.1	0.21	2.4	0.112	3.27	77.6	40.2	1.57	836	4.00	0.51	19.2	20.2	1020	15.2
200398020310		27.2	0.31	0.9	0.115	2.86	61.5	78.7	2.33	1430	1.04	1.16	4.9	29.5	2900	7.9
0398020311		28.0	0.25	1.9	0.106	2.69	68.3	67.3	1.92	1040	1.70	1.17	16.0	29.3	1300	10.8
0398020312		26.5	0.25	1.5	0.100	2.65	53.3	60.7	1.75	1020	1.04	1.20	3.8	27.7	1610	10.0
200398020313		27.2	0.26	0.6	0.112	2.58	53.4	83.6	2.44	1175	0.46	1.51	0.8	29.4	1770	8.6
200398020314		27.3	0.27	0.7	0.107	2.55	56.0	86.9	2.33	1150	0.62	1.62	1.7	27.2	2320	8.6
200398020315		26.3	0.25	0.8	0.084	2.24	55.5	93.9	1.57	852	1.78	1.36	14.5	20.8	1740	11.1
200398020316		26.5	0.20	1.4	0.073	2.00	47.6	50.8	0.98	531	1.99	1.35	12.6	19.3	1260	13.8
200398020317		24.3	0.19	1.5	0.066	2.23	35.5	46.5	0.81	488	2.00	1.68	16.8	15.6	1020	14.4

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.01	0.02	0.1	1	0.1
200399020077		47.5	0.003	0.05	0.33	2	1.4	254	0.43	<0.05	6.9	0.54	0.36	2.0	173	1.2
200399020078		65.5	0.003	0.03	0.43	2	1.8	244	0.47	0.05	6.5	0.59	0.33	1.8	171	1.5
99020079		50.2	0.004	0.17	0.33	4	1.6	180.5	0.38	0.07	9.9	0.37	0.53	3.2	181	1.5
399020080		49.9	0.004	0.17	0.30	3	1.7	221	0.46	0.09	9.0	0.47	0.60	3.2	225	2.3
200399020081		61.1	0.003	0.11	0.58	3	1.8	169.0	0.23	0.13	8.6	0.40	0.58	3.2	201	1.6
200399020082		67.8	0.003	0.09	0.71	3	2.1	159.5	0.19	0.07	8.3	0.49	0.55	2.8	183	1.8
200399020083		71.4	0.004	0.10	0.52	3	2.4	169.5	0.28	0.08	8.9	0.46	0.54	2.8	187	1.8
200399020084		48.1	0.004	0.26	0.26	4	1.8	205	0.40	0.11	9.5	0.45	0.65	3.0	184	3.1
200399020085		96.8	0.003	0.11	0.48	3	3.3	186.5	0.45	0.10	10.6	0.55	0.67	3.1	191	2.1
200399020086		59.5	0.004	0.12	0.35	4	1.7	201	0.41	0.09	9.0	0.42	0.71	2.8	202	1.8
200399020087		86.9	0.002	0.13	0.48	3	2.3	209	0.62	0.12	15.1	0.43	0.60	3.3	131	3.0
200399020088		114.0	0.003	0.07	0.62	2	2.7	218	0.55	0.11	8.7	0.45	0.61	2.3	149	1.8
200399020089		97.6	0.003	0.07	0.40	2	2.5	281	0.45	0.08	7.7	0.40	0.48	2.4	129	2.1
200399020090		96.8	0.003	0.09	0.50	3	3.1	170.5	0.61	0.09	11.0	0.45	0.57	2.4	176	4.0
200399020091		46.7	0.002	0.03	0.28	1	3.0	139.5	0.33	0.07	3.7	0.36	0.35	1.3	212	2.7
200399020092		57.8	0.002	0.05	0.44	1	1.9	170.5	0.39	0.07	4.7	0.39	0.36	1.6	223	3.2
200399020093		48.7	0.003	0.07	0.30	2	1.3	211	0.31	0.27	4.3	0.29	0.40	2.0	269	1.4
200399020094		75.6	<0.002	0.04	0.22	1	3.7	177.5	0.30	0.11	7.7	0.26	0.50	98.2	219	3.5
200399021254		22.0	<0.002	0.01	0.24	1	1.8	111.5	0.26	<0.05	3.0	0.30	0.12	1.4	230	2.7
200399021255		24.5	<0.002	0.01	0.28	1	2.4	101.0	0.41	<0.05	4.4	0.31	0.14	1.4	207	9.6
200399021256		36.7	0.002	0.01	0.30	1	2.4	159.5	0.17	<0.05	5.0	0.30	0.19	1.5	169	4.2
200399021257		24.8	<0.002	0.01	0.26	<1	0.7	200	0.23	<0.05	2.7	0.16	0.12	1.1	144	1.0
0399021258		47.6	<0.002	0.02	0.46	<1	1.5	320	0.14	<0.05	5.4	0.22	0.24	2.0	97	4.9
0399021259		50.4	0.002	0.01	0.31	<1	1.8	184.5	0.32	<0.05	4.8	0.25	0.24	1.4	149	2.7
200399021260		34.0	<0.002	0.01	0.23	<1	1.2	186.5	0.27	<0.05	3.6	0.32	0.12	1.1	283	2.1
200399021261		34.9	0.002	0.02	0.33	<1	1.4	160.0	0.30	<0.05	4.0	0.22	0.20	1.5	185	1.7
200399021262		24.7	<0.002	0.01	0.15	<1	1.8	96.8	0.28	0.05	2.5	0.24	0.09	0.8	258	1.9
200399021263		25.5	<0.002	0.01	0.13	1	1.8	106.5	0.31	<0.05	2.5	0.37	0.09	0.8	278	1.7
200399021264		23.0	0.002	<0.01	0.11	<1	1.3	98.4	0.36	<0.05	2.6	0.26	0.07	0.8	278	1.0
200399021265		19.2	<0.002	0.01	0.14	<1	2.0	85.5	0.21	<0.05	2.1	0.29	0.09	0.9	273	6.9
200399021266		35.1	<0.002	0.01	0.22	<1	2.5	259	0.25	<0.05	4.2	0.26	0.20	1.4	176	2.1
200399021267		18.6	<0.002	0.02	0.06	<1	1.2	107.0	0.15	<0.05	2.2	0.25	0.08	0.7	226	1.5
200399021268		33.5	<0.002	0.01	0.10	<1	3.3	105.5	0.32	<0.05	3.8	0.29	0.19	0.9	234	3.0
200399021269		41.8	<0.002	0.02	0.15	1	2.7	138.5	0.40	<0.05	4.9	0.29	0.26	1.5	219	2.7
200399021270		10.0	<0.002	<0.01	0.06	<1	1.1	66.5	0.13	<0.05	1.3	0.21	0.02	0.3	299	0.8
200399021271		9.5	<0.002	<0.01	0.09	<1	0.3	137.5	0.09	<0.05	0.4	0.16	0.02	0.2	290	0.4
200399021272		31.9	<0.002	<0.01	0.07	<1	2.1	124.0	0.27	<0.05	3.2	0.20	0.19	0.8	242	2.2
200399021273		37.0	0.002	0.01	0.19	<1	3.4	226	0.41	<0.05	4.0	0.33	0.22	1.2	219	5.6
200399021274		93.6	0.002	0.01	0.13	<1	4.5	144.0	0.42	<0.05	7.8	0.23	0.60	1.8	164	4.3
200399021275		94.0	0.003	0.05	0.42	1	5.8	369	0.20	0.05	9.3	0.30	0.93	5.4	134	6.0

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021276		104.0	0.002	0.01	0.19	<1	6.3	190.0	0.44	<0.05	8.7	0.24	0.72	2.8	144	3.2
200399021277		80.4	0.002	0.02	0.26	<1	3.7	348	0.30	<0.05	6.8	0.23	0.50	2.8	96	1.6
[illegible]9021278		98.3	0.002	0.01	0.13	1	5.2	181.5	0.28	<0.05	8.6	0.28	0.63	2.3	146	8.0
[illegible]99021279		90.4	0.002	0.01	0.11	1	4.7	116.5	0.28	<0.05	8.8	0.20	0.57	7.1	184	4.3
200399021280		87.8	<0.002	0.01	0.12	1	5.3	119.0	0.19	<0.05	9.0	0.19	0.58	30.6	185	5.8
200399021281		89.0	0.002	0.01	0.14	<1	4.7	148.5	0.27	<0.05	8.2	0.21	0.55	11.4	188	4.9
200399021282		95.4	<0.002	0.01	0.10	<1	4.6	113.5	0.16	<0.05	7.9	0.18	0.61	9.2	174	3.5
200399021283		105.0	<0.002	0.01	0.14	1	3.9	260	0.09	<0.05	9.3	0.31	0.69	6.0	118	0.4
200399021284		103.5	<0.002	0.01	0.16	1	5.0	158.5	0.29	<0.05	9.5	0.35	0.62	2.6	140	3.2
200399021285		81.1	<0.002	0.01	0.34	1	2.3	473	0.08	<0.05	6.2	0.26	0.41	2.5	69	1.3
200399021286		128.0	0.002	0.01	0.15	1	4.4	175.0	0.26	<0.05	11.1	0.31	0.76	2.5	108	1.6
200399021287		132.5	0.002	<0.01	0.11	1	4.5	212	0.10	<0.05	11.0	0.35	0.72	2.3	92	1.0
200399021288		137.0	<0.002	0.01	0.14	1	4.8	185.5	0.10	<0.05	10.4	0.35	0.80	2.4	116	1.2
200399021289		128.5	<0.002	0.01	0.12	1	4.4	183.0	0.10	<0.05	9.8	0.37	0.78	2.7	120	0.7
200399021290		136.0	0.002	0.01	0.14	1	4.8	184.0	0.15	<0.05	10.5	0.40	0.80	2.7	132	0.9
200399021291		146.0	0.002	0.01	0.12	1	4.9	192.0	0.11	<0.05	10.6	0.38	0.77	3.0	116	0.6
200399021292		84.6	0.002	0.02	0.34	1	1.9	441	0.09	<0.05	7.2	0.28	0.46	2.9	71	1.1
200399021293		114.0	0.002	0.01	0.26	1	4.1	220	0.34	<0.05	9.6	0.38	0.69	2.7	134	1.8
200399021294		70.7	0.002	0.02	0.44	1	1.4	495	0.07	<0.05	6.2	0.24	0.36	2.5	62	1.0
200399021295		130.5	0.002	0.02	0.28	1	4.1	181.0	0.59	<0.05	10.1	0.38	0.72	2.6	144	2.3
200399021296		72.8	0.005	0.03	0.12	2	3.3	189.0	0.14	<0.05	7.5	0.43	0.50	4.2	128	34.8
200399021297		74.8	0.024	0.11	0.26	8	3.0	181.5	0.07	<0.05	10.0	0.25	0.60	18.0	107	6.0
[illegible]0399021298		60.4	0.014	0.09	0.19	6	2.8	197.5	0.08	<0.05	9.2	0.24	0.45	13.5	105	4.4
[illegible]399021299		55.3	0.002	0.01	0.15	1	2.3	197.0	0.19	<0.05	5.9	0.44	0.33	2.6	150	3.1
200399021300		114.0	<0.002	<0.01	<0.05	1	1.8	251	0.14	<0.05	7.0	0.41	0.61	2.0	96	0.1
200399021301		120.0	0.002	<0.01	0.09	1	2.9	219	0.07	<0.05	9.0	0.41	0.69	2.2	116	0.2
200399021302		77.3	0.002	0.04	0.29	1	3.6	177.5	0.16	0.06	8.7	0.41	0.61	4.2	172	7.2
200399021303		80.9	0.002	0.03	0.31	1	3.3	230	0.10	<0.05	6.9	0.40	0.46	2.7	144	2.9
200399021304		76.5	0.002	0.02	0.20	1	3.4	286	0.20	<0.05	6.8	0.33	0.50	2.5	124	2.4
200399021305		77.1	0.005	0.05	0.26	2	3.6	159.0	0.09	<0.05	9.1	0.24	0.56	5.5	140	3.1
200399021306		48.8	<0.002	0.02	0.21	1	2.5	164.0	0.26	0.05	3.6	0.29	0.22	1.5	196	5.4
200399021307		56.2	<0.002	0.02	0.28	<1	1.9	279	0.14	<0.05	4.0	0.30	0.22	1.4	146	5.6
200399021308		78.7	<0.002	0.02	0.18	1	3.3	169.0	0.27	<0.05	8.8	0.29	0.49	2.4	136	2.0
200399021309		41.5	0.002	0.02	0.30	<1	1.5	341	0.08	<0.05	4.8	0.23	0.19	1.7	114	1.8
200399021310		37.8	<0.002	0.07	0.27	1	1.8	199.5	0.29	<0.05	4.2	0.18	0.28	2.5	135	2.0
200399021311		34.5	<0.002	0.01	0.13	<1	2.0	141.5	0.26	<0.05	4.0	0.25	0.19	1.4	196	4.3
200399021312		27.6	0.002	0.01	0.14	<1	1.5	120.0	0.27	<0.05	3.2	0.20	0.16	1.0	195	1.9
200399021313		53.5	<0.002	0.01	0.16	1	2.7	163.0	0.23	<0.05	4.9	0.20	0.31	1.6	162	1.8
200399021314		42.0	<0.002	0.01	0.24	<1	2.0	253	0.33	<0.05	3.2	0.24	0.19	1.2	158	8.5
200399021315		24.6	<0.002	<0.01	0.12	<1	1.8	115.0	0.24	<0.05	2.6	0.19	0.13	0.7	241	2.8

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CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021316		30.7	<0.002	0.01	0.13	1	1.7	146.5	0.25	<0.05	3.5	0.19	0.20	1.5	185	1.9
200399021317		41.7	<0.002	0.01	0.13	<1	2.6	155.5	0.27	<0.05	3.6	0.20	0.23	1.1	176	1.3
`99021318		48.7	<0.002	0.01	0.11	<1	3.1	130.5	0.25	<0.05	4.4	0.18	0.27	1.1	157	2.0
J99021320		30.9	0.002	0.02	0.10	1	2.0	119.0	0.27	<0.05	3.2	0.19	0.20	1.0	200	1.6
200399021321		38.9	0.002	0.02	0.15	1	2.4	145.5	0.30	0.06	4.7	0.18	0.24	1.8	196	2.2
200399021322		25.6	<0.002	0.01	0.08	<1	1.5	96.0	0.20	<0.05	2.8	0.16	0.14	0.9	207	1.2
200399021323		74.7	0.002	0.03	0.13	2	3.3	178.5	0.36	<0.05	11.3	0.39	0.49	11.6	126	2.8
200399021324		88.5	0.002	0.02	0.14	1	3.6	175.0	0.33	<0.05	8.1	0.36	0.54	3.0	125	2.8
200399021325		69.7	0.002	0.02	0.11	1	3.4	217	0.23	<0.05	6.6	0.34	0.45	1.8	117	2.2
200399021326A		23.0	<0.002	<0.01	<0.05	<1	1.3	106.0	0.20	<0.05	2.1	0.20	0.11	0.7	217	4.6
200399021326B		80.8	0.005	0.09	0.10	3	3.3	185.0	0.11	<0.05	8.0	0.23	0.54	4.1	89	2.1
200399021327		52.6	0.004	0.14	0.18	2	2.5	130.0	0.06	<0.05	7.2	0.15	0.47	3.1	82	2.4
200399021328		71.5	0.003	0.05	0.12	1	3.3	161.0	0.39	<0.05	7.4	0.24	0.47	2.3	136	2.6
200399021329		61.1	0.002	0.02	<0.05	1	3.0	154.0	0.35	<0.05	6.3	0.25	0.39	2.0	162	2.6
200399021330		52.7	0.003	0.05	0.20	1	2.2	328	0.42	<0.05	6.3	0.22	0.36	2.6	101	2.6
200399021331		47.5	0.003	0.04	0.10	1	2.3	195.0	0.31	<0.05	4.7	0.20	0.29	2.1	140	2.0
200399021332		<0.1	<0.002	0.05	<0.05	<1	<0.2	<0.2	<0.05	<0.05	<0.2	0.21	<0.02	<0.1	144	<0.1
200399021333		47.3	0.009	0.05	0.08	2	2.4	157.5	0.31	<0.05	5.6	0.21	0.32	2.7	150	1.7
200399021334		36.9	0.005	0.04	0.07	1	1.9	153.0	0.37	<0.05	4.5	0.20	0.25	2.4	172	1.7
200399021335		66.3	0.002	0.01	0.08	<1	3.3	148.5	0.47	<0.05	6.2	0.25	0.38	1.8	176	2.0
200399021336		61.2	<0.002	0.01	0.08	<1	2.8	148.5	0.43	<0.05	3.8	0.23	0.28	1.2	181	2.0
200399021337		53.7	<0.002	0.01	0.11	<1	2.5	226	0.40	<0.05	4.4	0.21	0.28	1.6	164	2.5
`00399021338		33.7	0.002	0.03	0.05	1	2.1	155.0	0.28	<0.05	3.9	0.19	0.20	1.6	184	2.8
J0399021339		34.4	<0.002	0.01	<0.05	<1	2.5	114.0	0.33	<0.05	2.8	0.22	0.19	0.8	201	13.2
200399021340		72.9	0.002	0.01	0.14	1	2.5	275	0.44	<0.05	3.4	0.39	0.21	1.1	202	4.4
200399021341		17.7	<0.002	0.02	<0.05	<1	0.7	98.8	0.19	<0.05	2.0	0.14	0.07	0.8	194	0.8
200399021342		33.5	<0.002	0.05	0.30	1	1.8	143.5	0.28	<0.05	3.9	0.18	0.20	2.3	150	6.0
200399021343		49.2	<0.002	0.01	0.13	<1	3.0	311	0.25	<0.05	3.6	0.40	0.23	1.2	176	5.7
200399021344		49.2	0.002	<0.01	0.10	1	3.3	313	0.11	<0.05	4.4	0.46	0.29	1.4	127	4.0
200399021345		43.5	<0.002	<0.01	0.15	1	2.8	171.0	0.43	<0.05	5.3	0.31	0.25	1.2	162	2.7
200399021346		29.6	<0.002	0.02	<0.05	<1	2.2	88.4	0.25	<0.05	3.3	0.21	0.17	0.9	228	2.4
200399021347		30.4	0.002	0.01	<0.05	<1	2.2	115.0	0.28	<0.05	3.3	0.23	0.16	0.8	189	2.1
200399021348		81.2	0.002	0.01	<0.05	<1	4.8	139.5	0.35	<0.05	7.1	0.24	0.43	1.5	149	1.3
200399021349		104.5	0.002	0.01	<0.05	1	6.6	143.0	0.29	<0.05	9.8	0.32	0.60	1.9	124	1.2
200399021350		35.2	<0.002	0.01	0.10	<1	1.5	195.5	0.31	<0.05	3.6	0.21	0.21	1.2	163	1.4
200399021351		58.7	0.002	<0.01	0.44	1	2.8	181.0	0.42	<0.05	8.0	0.36	0.27	1.8	140	5.9
200399021352		93.6	<0.002	0.02	<0.05	1	3.6	175.0	0.10	<0.05	6.6	0.39	0.48	2.0	140	2.5
200399021353		89.6	0.002	0.02	<0.05	1	3.6	178.0	0.08	<0.05	6.8	0.39	0.47	2.1	143	6.5
200399021354		70.2	<0.002	0.04	0.12	1	3.0	293	0.07	<0.05	7.7	0.32	0.55	3.9	108	2.5
200399021355		48.7	0.002	0.02	0.08	1	2.5	255	0.12	<0.05	4.6	0.31	0.25	1.8	133	10.0

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200399021356		78.9	0.002	<0.01	0.05	1	3.8	162.0	0.30	<0.05	9.0	0.32	0.49	2.1	137	1.6
200399021357		80.8	<0.002	0.02	<0.05	1	3.8	150.0	0.07	<0.05	7.5	0.30	0.49	1.9	125	4.9
99021358		80.7	0.002	0.07	0.17	1	3.8	227	0.13	<0.05	7.9	0.25	0.50	3.1	118	3.1
99021359		64.4	0.002	0.06	0.31	2	3.1	191.5	0.09	<0.05	7.0	0.23	0.46	2.3	123	7.9
200399021360		56.7	0.002	0.08	0.62	2	2.9	169.0	0.19	<0.05	8.3	0.22	0.42	2.3	122	14.2
200399021361		52.4	<0.002	0.06	0.53	2	2.7	172.5	0.17	<0.05	7.4	0.21	0.37	2.1	136	7.4
200399021362		49.5	<0.002	0.08	0.55	1	1.6	415	0.12	<0.05	7.4	0.21	0.35	2.5	71	4.1
200399021363		54.3	0.003	0.06	0.45	2	2.8	223	0.12	<0.05	8.2	0.21	0.40	3.0	114	5.8
200399021364		44.8	<0.002	0.04	0.26	1	2.6	212	0.16	<0.05	7.0	0.26	0.32	1.4	129	3.8
200399021365		42.3	<0.002	0.06	0.51	2	0.9	446	0.12	<0.05	6.3	0.18	0.29	2.6	51	2.4
200399021366		42.8	<0.002	0.01	0.14	1	3.0	115.0	0.23	<0.05	6.0	0.20	0.28	0.9	164	3.9
200399021367		55.1	0.002	0.01	0.34	<1	2.6	302	0.25	<0.05	5.7	0.32	0.34	1.5	138	13.6
200399021368		47.3	<0.002	0.01	0.17	<1	3.2	147.0	0.28	<0.05	6.0	0.26	0.32	1.2	145	4.1
200399021369		61.3	<0.002	0.01	0.27	<1	3.2	273	0.22	<0.05	7.5	0.25	0.42	1.8	100	2.1
200399021370		33.7	<0.002	0.01	0.17	<1	2.0	167.5	0.24	<0.05	5.4	0.26	0.23	1.0	156	2.4
200399021371		40.5	<0.002	0.05	0.63	1	2.1	196.0	0.08	<0.05	5.2	0.20	0.27	1.9	136	3.0
200398020305		158.5	0.002	0.03	0.45	2	7.5	119.0	0.39	<0.05	28.2	0.58	0.83	5.5	124	6.0
200398020306		181.0	0.002	0.13	0.41	1	9.7	73.3	1.06	0.08	48.1	0.38	0.85	8.0	75	3.8
200398020307		162.5	<0.002	0.06	0.41	1	8.9	62.5	0.82	0.06	39.8	0.30	0.70	6.8	54	10.2
200398020308		179.0	<0.002	0.09	0.42	2	8.5	111.0	1.04	0.08	46.9	0.34	0.88	8.6	64	5.7
200398020309		144.5	0.002	0.05	0.40	1	7.7	87.4	0.81	0.06	35.3	0.44	0.67	5.2	78	3.9
200398020310		158.5	<0.002	0.03	0.07	3	5.1	150.0	0.21	0.05	13.8	1.23	0.71	2.7	206	1.5
0398020311		150.5	<0.002	0.04	0.27	1	6.7	136.0	0.41	<0.05	23.8	0.72	0.74	3.6	148	2.4
0398020312		139.5	0.002	0.03	0.19	1	6.8	147.0	0.13	<0.05	18.6	0.83	0.70	3.1	157	0.8
200398020313		156.0	0.002	0.03	0.07	2	5.6	129.5	<0.05	<0.05	12.0	0.78	0.75	2.5	156	0.4
200398020314		150.5	0.002	0.03	0.07	2	6.8	171.5	0.09	<0.05	11.8	1.03	0.71	2.6	174	0.5
200398020315		152.0	0.002	0.04	0.25	1	10.4	242	0.68	<0.05	13.6	0.74	0.79	3.7	143	3.4
200398020316		124.0	<0.002	0.04	0.38	1	16.0	143.5	0.47	0.05	17.7	0.69	0.68	3.2	154	8.6
200398020317		127.0	<0.002	0.04	0.38	1	10.9	112.5	0.84	<0.05	20.5	0.51	0.63	3.8	99	4.1

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399020077		15.8	110	29.6	420
200399020078		14.1	148	29.3	480
200399020079		14.9	221	49.6	570
200399020080		15.7	338	62.0	640
200399020081		14.3	355	14.0	550
200399020082		12.8	145	7.3	450
200399020083		13.8	141	18.8	400
200399020084		19.4	250	41.4	590
200399020085		13.4	85	58.0	400
200399020086		24.3	211	44.7	570
200399020087		21.2	127	36.8	510
200399020088		9.2	99	39.0	500
200399020089		8.5	97	55.0	470
200399020090		11.6	132	33.8	520
200399020091		7.7	232	21.4	410
200399020092		8.1	172	24.0	400
200399020093		9.9	299	48.4	250
200399020094		10.2	128	32.9	490
200399021254		8.8	77	19.6	170
200399021255		8.4	59	22.1	230
200399021256		8.6	53	34.0	230
200399021257		4.5	43	39.0	100
200399021258		6.3	58	51.8	260
200399021259		6.6	58	35.8	190
200399021260		8.6	66	40.5	170
200399021261		7.5	79	34.0	160
200399021262		8.4	92	17.9	140
200399021263		10.2	111	17.3	150
200399021264		10.3	100	13.8	120
200399021265		8.5	97	14.3	160
200399021266		7.1	75	51.8	230
200399021267		7.8	73	10.1	110
200399021268		7.8	84	13.8	200
200399021269		9.2	84	18.5	230
200399021270		6.7	84	8.6	100
200399021271		5.4	66	5.4	130
200399021272		6.7	81	15.2	180
200399021273		8.6	82	27.1	260
200399021274		7.8	64	28.9	350
200399021275		8.6	102	20.6	690

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021276		7.0	74	50.2	520
200399021277		6.7	60	75.4	450
99021278		8.5	68	41.0	410
99021279		7.9	74	29.6	410
200399021280		9.2	85	31.6	400
200399021281		7.8	84	36.5	430
200399021282		7.4	67	23.6	410
200399021283		9.4	52	58.5	470
200399021284		9.6	54	37.8	380
200399021285		6.6	54	18.2	380
200399021286		9.4	63	41.8	420
200399021287		9.0	40	48.9	380
200399021288		10.0	55	49.5	440
200399021289		10.2	55	45.8	470
200399021290		10.6	70	49.0	490
200399021291		11.2	55	52.9	520
200399021292		7.7	53	25.2	410
200399021293		10.9	76	53.2	500
200399021294		6.8	56	33.9	430
200399021295		11.2	102	46.6	650
200399021296		17.2	68	28.9	430
200399021297		19.0	97	11.4	430
0399021298		16.2	99	15.2	400
0399021299		14.8	59	21.5	410
200399021300		14.0	35	28.1	350
200399021301		13.2	52	38.0	430
200399021302		13.0	69	7.5	340
200399021303		12.0	49	20.0	310
200399021304		10.8	70	53.2	470
200399021305		13.9	97	20.8	440
200399021306		10.4	83	19.8	270
200399021307		8.6	73	28.7	280
200399021308		11.4	70	30.5	400
200399021309		7.4	48	12.6	240
200399021310		10.0	60	39.8	250
200399021311		9.9	66	24.6	180
200399021312		9.6	51	16.7	140
200399021313		7.6	61	34.5	270
200399021314		7.7	64	43.4	270
200399021315		8.6	158	21.7	140

Comments: REE's may not be totally soluble in MS61 method.

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To. TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021316		11.6	122	20.6	190
200399021317		7.6	61	29.1	230
399021318		7.0	50	24.3	280
399021320		8.4	54	18.8	160
200399021321		11.4	54	32.0	240
200399021322		7.4	42	18.6	140
200399021323		18.7	120	31.0	560
200399021324		15.2	93	31.2	560
200399021325		10.1	66	44.9	390
200399021326A		8.8	54	9.2	130
200399021326B		13.0	73	18.6	440
200399021327		10.5	77	9.7	350
200399021328		11.5	91	36.3	390
200399021329		10.7	81	29.1	320
200399021330		9.2	82	75.8	390
200399021331		9.1	65	39.7	270
200399021332		<0.1	70	<0.5	270
200399021333		10.8	76	30.7	270
200399021334		10.4	150	28.7	180
200399021335		10.1	76	29.4	270
200399021336		8.0	66	31.4	250
200399021337		7.6	89	48.6	270
0399021338		9.3	66	27.5	220
0399021339		8.3	64	15.0	230
200399021340		10.3	74	26.1	330
200399021341		7.4	57	17.0	90
200399021342		9.6	66	25.1	280
200399021343		9.6	50	32.4	260
200399021344		8.2	32	43.9	270
200399021345		9.8	76	22.4	310
200399021346		7.5	83	18.8	170
200399021347		7.9	60	18.5	190
200399021348		8.1	48	35.9	330
200399021349		9.0	44	43.1	480
200399021350		7.5	51	42.6	210
200399021351		11.6	55	39.7	290
200399021352		13.0	89	27.8	480
200399021353		13.4	85	21.2	460
200399021354		10.6	76	13.4	580
200399021355		9.8	56	39.2	290

Comments: REE's may not be totally soluble in MS61 method.

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Page #: 5 - D
Total # of pages : 5 (A - D)
Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026131

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021356		12.6	56	30.7	390
200399021357		10.6	60	23.4	320
200399021358		10.0	94	11.6	490
200399021359		11.4	82	12.0	350
200399021360		11.0	91	32.1	390
200399021361		11.4	87	29.9	330
200399021362		8.1	63	31.2	380
200399021363		10.6	70	28.6	400
200399021364		10.1	58	29.5	290
200399021365		7.6	48	32.3	340
200399021366		8.3	67	28.9	280
200399021367		8.5	64	43.8	360
200399021368		7.4	46	39.4	270
200399021369		7.5	49	59.5	370
200399021370		9.8	57	24.0	210
200399021371		9.3	81	18.8	210
200398020305		33.0	102	17.5	950
200398020306		22.9	162	106.5	1430
200398020307		22.2	156	87.0	1530
200398020308		32.7	261	106.0	1580
200398020309		26.8	172	86.8	1290
200398020310		59.2	117	25.8	1120
200398020311		31.3	104	65.3	1210
200398020312		34.1	94	46.5	1110
200398020313		59.9	116	16.8	730
200398020314		59.3	134	21.8	1050
200398020315		29.3	115	27.6	1340
200398020316		22.4	77	46.5	870
200398020317		19.4	59	46.2	770

Comments: REE's may not be totally soluble in MS61 method.

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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

CERTIFICATE VA03026135

Project : Regal Ridge

P.O. No:

This report is for 200 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 17-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

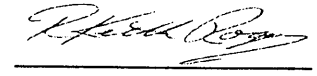
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
F-ELE81	Fluorine - Fusion/ Electrochem

$ 186.36

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

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: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026135

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200398020270		0.44	<0.02	6.44	1.2	790	2.82	0.74	0.93	0.21	87.3	5.0	32	7.39	8.2	2.55
200398020271		0.44	0.02	6.71	<0.2	630	3.55	0.40	1.06	0.05	70.5	3.5	21	9.64	4.2	1.74
20[illegible]98020272		0.36	<0.02	7.77	0.9	700	5.10	1.08	0.97	0.23	84.0	4.9	19	19.25	6.9	2.35
2 [illegible]020273		0.36	<0.02	6.84	0.3	800	3.69	0.55	1.02	0.09	95.4	4.1	16	11.00	4.4	1.90
200398020274		0.42	0.06	7.41	0.9	810	4.27	0.74	1.17	0.10	63.4	4.5	14	12.40	7.2	1.96
200398020275		0.36	0.03	7.15	0.6	930	3.85	0.75	1.14	0.62	94.0	5.1	23	16.45	6.5	1.88
200398020276		0.32	0.16	6.97	1.4	940	2.98	1.35	1.06	0.52	94.2	10.1	47	13.45	7.9	2.76
200398020277		0.32	<0.02	6.61	1.1	1120	3.24	0.72	1.12	0.10	145.0	8.9	36	9.95	10.6	3.12
200398020278		0.36	<0.02	7.31	1.7	890	4.04	1.20	1.00	0.07	85.5	5.6	36	11.10	6.1	2.90
200398020279		0.40	0.10	7.06	7.2	820	4.07	1.02	1.21	0.12	96.2	5.0	47	14.50	6.3	1.95
200398020280		0.42	0.12	7.30	3.2	690	2.48	0.37	1.88	0.14	76.9	15.1	35	6.43	29.5	4.53
200398020281		0.30	0.26	5.58	3.6	570	1.75	0.47	1.14	0.26	74.8	15.8	30	4.48	24.6	4.30
200398020282		0.40	0.10	6.45	3.9	690	2.63	0.55	1.75	0.20	93.0	15.4	51	5.89	27.7	5.08
200398020283		0.36	0.09	6.28	5.1	770	2.14	0.49	1.25	0.20	95.6	12.6	54	5.98	22.4	4.29
200398020284		0.56	0.08	6.62	4.7	700	2.30	0.32	2.27	0.20	92.8	18.1	63	4.99	22.4	5.47
200398020285		0.36	0.19	5.96	3.8	620	1.84	0.30	1.24	0.15	70.2	9.8	31	5.68	23.0	3.75
200398020286		0.32	0.10	7.16	1.8	660	1.17	0.12	2.56	0.20	30.6	9.2	11	1.14	16.4	2.45
200398020287		0.54	0.10	6.77	5.2	810	3.54	0.33	1.87	0.37	88.6	13.0	42	7.86	18.8	4.52
200398020288		0.36	0.07	6.25	4.2	750	2.95	0.36	1.62	0.55	81.2	10.6	31	5.74	14.8	4.55
200398020289		0.36	0.12	6.59	2.6	650	2.91	0.40	1.90	0.20	98.6	20.0	51	13.05	22.7	6.44
200398020290		0.38	0.08	7.94	1.8	660	1.13	0.11	2.97	0.07	33.9	10.5	8	1.12	16.0	2.58
200398020291		0.40	0.09	8.21	4.4	590	5.35	2.39	1.48	0.20	112.5	14.0	35	14.25	24.9	5.11
200398020292		0.56	0.07	7.29	3.1	680	5.22	1.12	1.92	0.25	95.6	13.7	38	11.35	20.1	4.72
2 [illegible]020293		0.46	0.09	9.08	2.9	740	4.53	1.63	1.28	0.18	147.0	15.0	38	15.75	34.0	4.37
20[illegible]8020294		0.34	0.18	7.44	2.8	590	4.87	1.34	1.04	0.40	99.7	8.8	34	14.85	21.0	3.32
200398020295		0.30	0.36	7.10	1.5	560	4.46	0.72	0.54	0.12	87.2	6.1	43	12.85	12.0	1.87
200398020296		0.28	0.14	7.30	2.6	650	1.77	0.31	2.28	0.10	48.1	11.4	22	3.64	20.3	3.17
200398020297		0.58	0.06	8.29	3.9	810	5.86	1.04	0.75	0.15	167.0	12.8	38	13.45	21.6	3.50
200398020298		0.26	0.24	5.49	5.2	640	3.25	1.30	0.64	0.30	69.1	5.7	27	9.28	15.4	2.30
200398020299		0.28	0.28	4.73	3.8	500	2.50	1.06	0.78	0.22	26.0	6.2	15	5.57	13.5	2.11
200398020300		0.36	0.08	6.01	7.1	770	3.12	0.95	0.80	0.18	83.1	6.0	33	7.53	11.8	2.65
200398020301		0.28	0.13	6.53	6.7	830	3.38	0.98	0.74	0.17	84.2	6.6	35	9.10	13.6	2.80
200398020302		0.36	0.08	7.31	5.1	770	5.16	1.14	0.93	0.12	122.5	5.6	23	9.47	8.4	2.29
200398020303		0.50	0.08	7.86	5.2	850	5.45	0.67	1.16	0.26	123.5	8.3	28	7.45	11.4	2.37
200398020304		0.32	0.12	7.40	5.0	810	3.12	0.69	1.40	0.12	95.3	6.3	27	6.37	14.9	2.16
200399020016		0.28	0.22	6.16	2.9	1210	2.21	0.57	1.56	0.29	49.7	10.2	113	9.22	15.4	2.71
200399020017		0.24	0.51	6.09	2.8	1450	1.78	0.45	1.24	1.06	50.5	11.6	80	7.79	22.3	3.32
200399020018		0.22	0.88	7.61	3.2	1360	2.22	0.61	0.97	0.78	67.1	17.9	100	13.10	54.3	5.34
200399020019		0.24	0.38	7.60	3.7	1090	2.40	0.70	0.61	1.19	76.2	21.5	83	26.7	65.3	7.27
200399020020		0.24	0.11	6.15	2.5	1010	1.75	0.40	1.36	0.27	48.2	9.8	73	13.20	23.3	2.94

Comments: REE's may not be totally soluble in MS61 method.

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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026135

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200398020270		18.30	0.44	0.2	0.044	1.82	44.6	26.1	0.55	397	1.18	1.69	14.6	9.9	900	17.5
200398020271		18.25	0.36	0.2	0.034	1.80	36.7	43.4	0.44	280	0.92	2.04	9.1	5.0	970	18.0
200398020272		24.1	0.37	0.3	0.048	2.28	44.5	88.1	0.61	292	0.97	1.62	16.2	8.8	1240	24.0
200398020273		20.9	0.35	1.2	0.040	2.39	48.7	42.2	0.50	290	0.63	1.85	7.7	6.9	370	22.8
200398020274		20.3	0.35	0.7	0.034	2.35	34.0	52.0	0.50	352	1.58	2.00	7.6	7.2	550	24.4
200398020275		20.7	0.40	0.8	0.037	2.49	55.3	53.3	0.47	503	0.66	1.68	6.7	8.6	530	25.2
200398020276		23.0	0.41	0.5	0.043	2.30	55.8	51.0	0.68	582	0.81	1.28	8.0	16.9	700	38.2
200398020277		19.80	0.44	0.5	0.063	1.96	61.3	29.5	1.06	425	1.00	1.33	12.8	19.5	790	15.8
200398020278		26.1	0.42	1.7	0.048	2.55	51.3	57.9	0.66	323	0.77	1.54	12.7	17.6	510	29.4
200398020279		20.6	0.23	3.2	0.048	2.82	53.9	43.9	0.62	342	1.06	1.87	12.2	16.4	260	30.8
200398020280		21.3	0.25	0.6	0.080	2.08	42.2	36.8	1.50	654	1.53	1.77	16.0	18.9	1470	9.0
200398020281		17.20	0.19	0.3	0.059	1.20	39.7	21.4	0.97	963	1.68	0.97	12.0	15.9	3320	13.0
200398020282		21.6	0.22	0.7	0.097	1.91	48.0	23.4	1.56	748	1.28	1.49	9.2	22.1	1270	10.6
200398020283		18.15	0.25	0.5	0.068	1.75	61.6	30.5	1.16	564	1.46	1.28	15.0	24.0	1340	11.4
200398020284		19.65	0.23	1.3	0.088	1.79	49.0	29.1	1.67	766	1.15	1.58	11.0	25.9	1780	11.3
200398020285		17.15	0.24	0.4	0.055	1.50	39.4	25.3	0.94	464	1.56	1.45	10.2	13.0	2070	8.7
200398020286		17.20	0.18	1.1	0.020	1.74	18.2	14.8	0.91	518	1.42	2.59	4.5	6.8	670	8.1
200398020287		20.3	0.23	0.7	0.088	2.03	46.9	45.4	1.20	635	1.50	1.79	18.8	20.8	1200	12.1
200398020288		20.3	0.23	1.0	0.089	2.15	37.6	27.2	1.10	549	1.48	1.74	14.8	12.6	1070	11.0
200398020289		22.8	0.22	1.3	0.098	2.26	54.7	57.6	1.85	789	1.68	1.40	5.8	21.8	2120	10.6
200398020290		18.45	0.15	6.9	0.025	1.79	19.4	15.0	1.11	397	1.26	2.73	4.6	8.3	480	7.8
200398020291		26.5	0.26	2.4	0.090	2.56	64.0	83.8	1.26	659	2.01	1.28	9.2	17.4	1560	15.6
200398020292		22.3	0.23	2.0	0.087	2.10	51.9	65.5	1.24	695	0.78	1.79	1.5	18.8	1240	15.0
200398020293		25.3	0.26	3.5	0.067	2.41	83.4	89.5	0.83	551	1.18	1.67	1.9	26.8	1060	18.2
200398020294		21.9	0.21	1.3	0.059	2.56	55.4	72.3	0.75	404	1.53	1.62	25.3	23.2	1200	17.2
200398020295		20.9	0.25	0.5	0.045	1.47	49.8	83.9	0.58	217	0.80	0.68	12.8	17.4	1860	11.6
200398020296		18.65	0.20	0.9	0.031	1.76	25.5	23.2	1.01	387	1.46	2.23	5.6	11.8	810	9.8
200398020297		24.7	0.31	2.3	0.073	2.59	86.8	103.5	0.79	379	0.73	1.41	2.1	29.0	570	19.8
200398020298		15.60	0.19	0.3	0.041	1.64	36.5	37.8	0.38	336	1.62	0.99	7.5	14.0	1970	16.6
200398020299		12.95	0.16	0.1	0.027	1.14	15.4	25.4	0.43	322	1.50	0.95	3.8	9.3	3130	17.4
200398020300		18.85	0.23	0.8	0.038	1.90	43.8	42.0	0.53	319	1.34	1.22	11.1	15.6	830	20.6
200398020301		21.9	0.22	0.7	0.050	2.07	49.1	55.0	0.57	308	1.52	1.26	12.8	17.8	780	21.0
200398020302		24.0	0.30	3.6	0.045	2.77	76.2	67.0	0.48	262	0.95	1.76	10.2	13.6	370	30.4
200398020303		21.5	0.23	4.8	0.051	2.80	69.9	67.3	0.59	462	0.82	1.95	19.1	20.7	940	31.8
200398020304		20.9	0.31	0.4	0.034	2.25	55.7	36.2	0.59	301	1.60	1.96	8.2	11.7	770	19.0
200399020016		17.65	0.19	2.9	0.033	1.85	27.4	34.0	1.43	467	2.57	1.68	7.1	45.4	510	19.0
200399020017		17.30	0.18	0.9	0.040	1.45	28.1	31.2	1.53	409	5.35	1.10	5.8	50.2	470	18.1
200399020018		23.4	0.23	3.5	0.071	1.76	39.3	40.3	1.91	502	9.08	1.01	12.6	77.1	620	20.8
200399020019		22.5	0.28	0.4	0.082	1.80	42.2	32.8	1.13	570	13.70	0.89	7.6	89.9	2460	25.0
200399020020		16.85	0.17	3.3	0.043	1.56	28.0	25.8	1.46	462	2.55	1.44	1.9	40.6	420	16.4

Comments: REE's may not be totally soluble in MS61 method.

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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026135

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200398020270		103.0	<0.002	0.03	0.26	1	7.4	113.0	<0.05	<0.05	20.1	0.51	0.53	3.8	70	3.2
200398020271		107.5	<0.002	0.04	0.10	1	7.9	125.5	<0.05	<0.05	16.4	0.47	0.56	3.1	48	1.3
200398020272		187.0	0.002	0.05	0.18	1	11.4	136.0	0.36	<0.05	19.8	0.42	1.02	4.6	56	2.0
8020273		165.5	<0.002	0.01	0.13	1	9.1	155.0	0.12	<0.05	20.2	0.47	0.80	2.9	49	1.3
200398020274		177.5	<0.002	0.02	0.20	1	8.4	188.0	0.08	<0.05	13.2	0.39	0.83	3.1	48	1.1
200398020275		294	<0.002	0.01	0.23	1	10.0	191.5	0.12	<0.05	20.1	0.50	0.86	4.0	60	0.6
200398020276		257	<0.002	0.01	0.30	1	7.0	183.0	0.17	<0.05	19.4	0.54	0.89	3.4	90	0.8
200398020277		115.0	0.002	0.02	0.21	2	6.2	124.5	0.15	<0.05	17.8	0.46	0.52	11.9	70	1.5
200398020278		169.0	<0.002	0.01	0.28	1	11.0	149.5	0.43	<0.05	19.0	0.47	0.90	3.2	66	1.5
200398020279		259	0.002	0.01	0.55	1	7.9	204	0.30	<0.05	16.0	0.45	0.95	4.5	62	2.0
200398020280		76.6	0.002	0.06	0.45	2	4.7	257	0.28	<0.05	11.2	0.62	0.39	3.5	111	1.5
200398020281		56.4	<0.002	0.20	0.52	1	3.0	217	0.16	<0.05	16.2	0.43	0.38	4.7	121	1.8
200398020282		70.6	0.002	0.07	0.28	2	5.7	113.0	0.15	<0.05	14.4	0.83	0.41	3.4	144	0.8
200398020283		77.4	<0.002	0.07	0.63	2	4.0	153.0	0.15	<0.05	14.5	0.55	0.47	3.3	123	1.9
200398020284		71.1	<0.002	0.04	0.20	3	4.3	144.5	0.15	<0.05	13.2	0.94	0.47	3.2	156	0.6
200398020285		59.9	<0.002	0.13	0.45	2	2.2	247	0.13	<0.05	12.8	0.42	0.38	3.5	91	1.4
200398020286		36.8	<0.002	0.05	0.43	<1	0.8	633	<0.05	<0.05	4.9	0.30	0.22	2.1	64	0.6
200398020287		90.9	<0.002	0.03	0.52	3	7.8	139.5	0.24	<0.05	12.5	0.70	0.50	3.0	113	1.7
200398020288		99.1	0.002	0.05	0.33	2	6.6	113.5	0.23	<0.05	10.8	0.74	0.47	2.5	105	1.4
200398020289		132.0	<0.002	0.07	0.11	2	6.9	109.0	0.18	<0.05	12.6	0.95	0.66	3.1	145	0.4
200398020290		36.3	<0.002	0.03	0.30	1	0.9	735	0.12	<0.05	5.7	0.32	0.22	2.1	67	0.3
200398020291		168.0	0.002	0.05	0.30	2	15.2	104.5	0.19	<0.05	22.4	0.71	0.86	5.5	114	1.6
200398020292		104.5	0.002	0.03	0.10	2	12.4	125.0	0.06	<0.05	15.8	0.75	0.58	3.9	115	0.2
8020293		118.0	<0.002	0.03	0.14	2	6.0	298	0.05	<0.05	25.6	0.55	0.76	6.7	93	0.2
200398020294		144.5	0.002	0.07	0.38	1	11.6	105.0	0.74	0.06	20.9	0.45	0.68	5.3	73	7.8
200398020295		85.9	<0.002	0.15	0.21	2	8.5	125.0	0.23	<0.05	13.7	0.35	0.70	10.1	66	5.5
200398020296		52.1	0.002	0.05	0.46	1	2.6	535	0.06	<0.05	8.4	0.40	0.35	3.5	92	1.8
200398020297		159.0	<0.002	0.01	0.16	2	9.8	152.5	0.08	<0.05	30.6	0.43	0.86	6.5	79	0.5
200398020298		98.5	<0.002	0.14	0.64	1	5.0	138.0	0.13	<0.05	12.0	0.30	0.62	6.2	71	6.6
200398020299		57.3	<0.002	0.22	0.52	1	2.3	201	0.06	<0.05	5.5	0.21	0.39	4.1	58	2.5
200398020300		122.0	<0.002	0.03	0.77	2	6.2	151.0	0.14	<0.05	14.3	0.40	0.78	3.4	90	2.7
200398020301		143.5	<0.002	0.03	0.84	1	8.0	154.5	0.32	<0.05	13.4	0.41	0.84	3.2	95	2.3
200398020302		193.5	0.002	0.02	0.45	1	7.9	179.0	0.27	<0.05	25.1	0.35	1.04	3.9	65	1.2
200398020303		173.0	<0.002	0.01	0.68	1	7.5	197.0	1.30	<0.05	23.9	0.35	0.99	5.1	67	2.0
200398020304		132.5	<0.002	0.02	0.59	1	3.8	351	<0.05	<0.05	16.2	0.32	0.71	4.7	71	2.0
200399020016		111.5	<0.002	0.04	0.37	1	3.4	251	0.14	<0.05	9.1	0.35	0.58	2.7	100	1.7
200399020017		57.7	<0.002	0.09	0.28	2	2.6	197.0	<0.05	0.05	8.5	0.39	0.64	2.9	138	1.5
200399020018		84.3	0.002	0.10	0.31	2	3.3	198.0	0.61	0.11	9.6	0.43	0.69	2.9	190	2.2
200399020019		92.2	0.004	0.09	0.39	4	2.7	146.5	0.21	0.14	15.5	0.32	0.81	4.1	163	2.0
200399020020		59.5	<0.002	0.03	0.21	1	2.2	228	0.06	<0.05	6.9	0.34	0.42	2.3	121	0.2

Comments: REE's may not be totally soluble in MS61 method.

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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026135

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200398020270		12.8	48	5.7	430
200398020271		11.6	32	6.0	470
200398020272		11.2	63	11.2	830
8020273		11.6	46	45.0	450
200398020274		10.6	50	25.6	500
200398020275		12.2	114	24.7	530
200398020276		13.8	194	14.4	420
200398020277		21.8	60	13.0	620
200398020278		12.7	67	51.5	550
200398020279		13.7	50	57.6	420
200398020280		28.1	84	11.4	430
200398020281		17.8	70	5.6	440
200398020282		33.1	84	13.2	510
200398020283		26.6	79	8.8	530
200398020284		40.5	90	27.3	560
200398020285		17.9	57	14.4	430
200398020286		7.6	53	34.5	330
200398020287		34.9	82	10.9	560
200398020288		35.2	81	18.5	460
200398020289		42.9	107	24.0	720
200398020290		8.4	54	120.5	350
200398020291		34.2	87	43.8	1190
200398020292		36.9	87	33.1	820
8020293		18.9	91	74.4	730
8020294		18.8	73	22.3	840
200398020295		11.9	36	9.4	610
200398020296		9.9	59	27.9	410
200398020297		20.2	78	40.4	730
200398020298		10.7	59	8.0	450
200398020299		6.5	50	2.0	350
200398020300		11.0	66	15.2	400
200398020301		11.0	73	17.0	480
200398020302		11.6	62	67.2	480
200398020303		16.1	76	90.1	560
200398020304		10.8	62	10.4	410
200399020016		10.6	64	62.6	340
200399020017		13.5	89	25.1	410
200399020018		13.4	164	70.9	470
200399020019		23.1	249	10.0	340
200399020020		10.4	74	64.1	350

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 31-Jul-2003
Account: THR

CERTIFICATE VA03026136

Project : Regal Ridge

P.O. No:

This report is for 173 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 17-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399020021		0.32	0.17	6.56	2.7	730	2.44	0.63	2.46	0.21	36.5	22.4	266	14.20	27.0	5.13
200399020022		0.34	0.53	6.65	3.0	470	5.98	0.54	3.60	0.50	22.5	35.0	335	22.1	76.0	5.19
2[illegible]9020023		0.22	1.53	5.93	7.8	570	11.45	0.32	2.34	0.93	28.2	30.5	124	14.65	110.5	3.17
2[illegible]9020024		0.38	0.21	6.29	1.8	460	1.69	0.49	3.82	0.16	14.80	32.7	350	12.20	26.9	5.32
200399020025		0.38	0.19	6.52	2.9	560	2.60	0.49	2.84	0.36	35.6	27.4	314	12.45	42.5	5.15
200399020026		0.22	0.32	7.56	1.0	730	4.22	0.67	3.33	0.19	28.6	29.5	319	21.8	63.1	5.31
200399020027		0.38	0.14	5.53	2.4	490	1.94	0.55	2.75	0.20	22.7	21.3	271	8.61	20.9	5.09
200399020028		0.24	0.39	7.05	1.1	750	2.79	0.52	2.53	0.18	26.8	19.6	172	8.13	43.9	4.16
200399020029		0.22	0.10	6.79	1.0	640	1.96	0.29	2.74	0.12	29.4	15.0	105	8.63	18.2	3.02
200399020030		0.26	0.20	6.49	0.5	590	4.11	0.42	2.84	0.31	25.5	17.6	158	9.08	31.2	3.33
200399020031		0.28	0.20	6.50	1.4	480	1.52	0.46	3.61	0.17	22.6	25.1	243	8.20	27.3	4.71
200399020032		0.26	0.18	6.50	1.4	320	2.22	0.80	3.64	0.13	17.60	29.9	341	12.40	20.8	5.45
200399020033		0.28	0.14	6.95	1.7	340	3.51	1.11	3.15	0.11	23.8	25.7	226	15.30	70.1	4.95
200399020034		0.22	0.20	7.49	2.6	770	2.05	0.28	1.90	0.12	32.3	11.3	14	9.34	29.2	2.00
200399020035		0.28	0.10	6.39	0.5	360	0.87	0.36	4.20	0.12	14.50	33.6	368	4.62	16.6	5.30
200399020036		0.26	0.25	6.73	1.0	490	1.50	0.42	3.27	0.23	19.45	26.2	294	8.72	37.2	4.43
200399020037		0.26	0.13	6.58	0.4	280	0.96	0.29	4.44	0.10	14.65	31.7	246	6.01	8.7	4.62
200399020038		0.26	0.12	6.58	1.2	260	2.32	0.92	4.69	0.14	16.85	34.4	344	10.95	23.5	5.73
200399020039		0.26	0.07	6.52	0.4	400	4.83	0.91	2.41	0.07	34.8	18.2	150	12.60	13.2	3.26
200399020040		0.30	0.06	6.70	0.9	390	4.37	1.42	2.65	0.11	31.7	22.6	190	16.65	23.1	3.94
200399020041		0.26	0.08	6.81	2.7	320	4.15	0.89	3.25	0.12	36.2	34.7	291	20.7	83.5	4.74
200399020042		0.18	0.13	7.24	1.8	590	2.33	0.52	2.71	0.10	28.4	20.0	134	11.00	48.2	3.54
200399020043		0.30	0.13	6.15	1.7	250	2.56	0.81	3.39	0.16	22.0	36.0	345	20.6	58.0	5.37
[illegible]9020044		0.32	0.19	5.43	1.5	230	1.58	0.73	3.88	0.18	15.80	41.4	593	12.80	14.8	6.14
200399020045		0.26	0.11	5.65	1.2	270	1.42	0.30	4.05	0.09	16.65	37.3	465	7.19	10.8	5.11
200399020046		0.26	0.10	4.23	1.5	250	1.30	0.28	4.14	0.16	18.95	40.2	757	14.00	13.3	5.17
200399020047		0.28	0.08	4.83	1.5	240	1.86	0.23	4.63	0.14	14.90	45.8	835	12.80	40.6	5.33
200399020048		0.42	0.08	6.32	4.6	350	2.16	0.32	4.03	0.17	26.0	51.1	519	19.10	97.8	5.54
200399020049		0.42	0.36	6.02	2.2	920	1.58	0.43	1.73	0.43	29.0	13.1	87	11.15	23.7	2.85
200399020050		0.42	0.81	6.45	3.6	1110	2.42	0.65	1.60	0.19	33.0	15.6	144	15.35	27.3	3.91
200399020051		0.30	0.14	6.12	5.7	1100	2.36	0.64	1.80	0.22	37.4	20.2	204	12.30	26.5	4.61
200399020052		0.44	0.17	6.69	3.4	810	1.76	0.40	2.52	0.13	30.9	17.8	210	9.17	22.6	3.68
200399020053		0.24	1.05	7.02	1.6	770	1.60	0.17	1.54	0.11	38.9	4.2	10	1.90	30.4	1.52
200399020054		0.40	0.64	7.14	2.0	820	1.91	0.36	1.68	0.09	33.9	8.8	41	5.12	31.6	2.30
200399020055		0.36	0.12	6.63	2.4	880	3.18	0.44	2.23	0.16	40.3	20.0	160	9.11	29.1	3.87
200399020056		0.38	0.12	6.44	1.4	470	4.20	0.77	3.24	0.13	61.5	29.8	351	18.35	87.0	4.48
200399020057		0.38	0.19	6.70	4.0	980	2.26	0.74	1.95	0.34	40.7	21.6	210	15.10	32.3	5.03
200399020058		0.36	0.09	5.80	<0.2	340	0.72	0.20	5.13	0.15	12.75	34.2	266	3.56	10.9	4.82
200399020059		0.44	0.06	6.82	3.2	1040	3.46	0.52	2.27	0.12	43.4	17.2	159	12.65	32.4	3.34
200399020060		0.38	0.02	6.45	2.1	620	3.66	0.59	2.71	0.13	27.7	21.5	216	12.20	44.9	3.60

Comments: REE's may not be totally soluble in MS61 method.

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Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399020061		0.28	0.11	7.96	3.5	900	1.38	0.10	1.79	0.09	33.2	5.1	9	1.80	23.2	1.73
200399020062		0.36	0.20	8.19	2.7	960	1.98	0.74	1.98	0.17	33.8	14.5	67	19.10	69.9	2.91
20[illegible]9020063		0.54	0.32	8.93	3.4	970	3.05	1.20	1.59	0.14	32.9	15.0	84	40.6	128.5	3.60
2[illegible]020064		0.58	0.08	6.79	0.4	1040	3.82	0.48	2.27	0.15	45.8	16.4	129	16.25	70.1	2.85
200399020065		0.36	0.06	6.33	2.1	910	1.17	0.62	3.54	0.13	17.65	26.5	488	7.21	19.8	4.97
200399020066		0.50	0.12	6.61	2.1	780	1.36	0.42	3.40	0.46	19.90	30.4	389	15.00	37.1	4.95
200399020067		0.46	0.16	7.31	3.0	760	3.37	0.58	3.55	0.30	33.8	27.3	216	15.60	265	4.34
200399020068		0.28	0.19	7.32	2.1	540	2.20	0.39	4.51	0.13	23.9	41.7	388	12.25	168.5	5.53
200399020069		0.32	0.10	6.78	1.0	340	0.94	0.14	5.16	0.10	13.65	44.0	449	5.36	52.7	5.88
200399020070		0.46	0.17	7.89	1.5	710	2.09	0.41	3.71	0.12	29.7	32.1	245	11.50	116.0	4.65
200399020071		0.50	0.08	7.76	1.3	760	2.29	0.54	3.62	0.13	27.9	33.6	311	12.55	78.1	5.06
200399020072		0.30	0.05	7.38	1.6	990	1.67	0.40	3.13	0.12	30.3	29.2	320	9.29	43.2	4.72
200399020073		0.40	0.08	7.47	2.7	1310	2.00	0.55	2.83	0.29	33.5	25.9	317	12.00	31.4	4.92
200399020074		0.30	0.10	7.61	1.4	540	1.73	0.29	4.04	0.21	18.75	35.0	272	8.62	154.5	5.37
200399020075		0.72	0.07	7.05	<0.2	550	2.36	0.37	4.16	0.10	23.2	34.6	296	8.47	61.3	5.09
200399020076		0.36	0.03	6.85	0.2	310	1.23	0.13	4.61	0.14	13.05	37.8	357	6.05	93.2	5.65
200399021137		0.34	0.68	7.28	1.3	1020	2.16	0.41	1.44	2.09	56.8	19.2	95	11.40	85.1	5.16
200399021138		0.34	0.94	7.56	0.8	1200	1.65	0.42	1.66	1.81	62.4	33.1	120	11.00	105.5	5.19
200399021139		0.30	0.48	7.28	1.3	1130	1.68	0.37	1.32	0.83	55.2	22.5	72	9.19	65.5	4.21
200399021140		0.44	0.34	9.01	1.6	690	2.86	0.39	0.90	0.55	136.0	16.8	60	29.4	88.7	5.42
200399021141		0.36	0.55	5.91	0.5	740	1.50	0.22	1.37	1.32	43.0	11.5	35	4.06	49.2	2.87
200399021142		0.32	0.17	7.82	2.8	860	1.44	0.12	1.82	0.54	34.0	6.4	8	1.80	26.6	2.01
200399021143		0.34	0.22	7.96	2.4	830	1.65	0.12	1.94	0.54	46.3	7.1	8	2.17	26.1	2.14
2[illegible]9021144		0.42	0.21	8.29	2.6	890	1.57	0.15	1.87	0.23	43.1	6.9	12	4.17	34.7	2.27
20[illegible]9021145		0.36	0.90	6.38	3.1	990	2.17	0.33	0.79	0.62	54.8	8.2	55	11.00	44.3	3.05
200399021146		0.38	0.19	9.18	4.5	1090	3.48	0.53	1.34	0.34	143.5	22.4	37	21.7	66.8	3.63
200399021147		0.36	0.06	7.60	2.1	710	2.00	0.19	2.49	0.14	29.2	15.0	86	4.81	20.8	3.15
200399021148		0.46	0.08	7.87	2.5	820	3.91	0.50	2.50	0.32	46.1	23.3	182	16.00	65.9	4.64
200399021149		0.38	0.30	9.88	1.8	1020	3.58	0.51	1.93	0.29	100.5	23.0	122	16.90	69.4	4.81
200399021150		0.46	0.15	8.14	0.7	980	4.08	0.61	3.16	0.27	19.60	40.5	395	37.4	195.5	7.40
200399021151		0.56	0.17	8.82	0.7	990	3.97	0.58	3.07	0.24	20.6	42.8	447	42.3	236	7.85
200399021152		0.40	0.11	7.47	1.0	720	2.90	0.17	3.35	0.13	23.9	25.2	187	7.30	38.7	3.83
200399021153		0.34	1.14	6.25	0.8	430	2.54	0.19	4.02	0.16	18.70	28.7	269	4.54	37.5	4.09
200399021154		0.32	0.19	6.11	0.5	250	2.73	0.28	5.59	0.13	11.20	44.0	498	8.05	27.2	5.44
200399021155		0.42	0.25	5.72	2.3	190	2.25	0.25	5.56	0.13	9.91	42.5	582	8.37	54.3	5.27
200399021156		0.30	0.19	5.56	0.6	210	1.84	0.26	4.76	0.21	10.95	37.8	454	13.35	40.4	4.81
200399021157		0.30	0.10	7.52	1.7	800	1.35	0.13	1.96	0.08	29.5	5.3	11	3.12	19.7	1.79
200399021158		0.42	0.04	7.07	3.2	370	2.93	0.74	4.85	0.17	24.4	32.9	310	11.95	65.4	4.98
200399021159		0.36	<0.02	6.92	3.0	310	2.43	0.24	4.62	0.12	20.9	31.1	260	10.55	46.4	5.19
200399021160		0.34	<0.02	6.89	1.9	270	1.01	0.15	5.26	0.11	16.85	38.2	286	8.91	49.2	5.39

Comments: REE's may not be totally soluble in MS61 method.

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Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021161		0.40	<0.02	6.57	0.5	110	1.14	0.15	5.77	0.12	5.78	45.7	429	8.07	64.9	6.26
200399021162		0.54	<0.02	6.92	0.6	180	2.52	1.08	5.28	0.10	8.48	47.4	420	33.0	121.0	5.60
20[illegible]021163		0.32	0.02	6.55	0.7	350	1.50	0.35	4.07	0.17	15.70	33.5	318	13.80	58.7	4.48
20[illegible]021164		0.36	<0.02	7.53	1.4	250	2.73	0.69	4.49	0.09	11.40	46.7	467	26.2	115.5	5.91
200399021165		0.44	<0.02	7.30	1.3	210	2.91	1.06	5.20	0.12	12.30	48.9	495	29.0	104.0	6.12
200399021166		0.50	<0.02	9.00	1.6	150	2.58	0.59	3.40	0.11	11.55	46.9	196	81.6	227	6.73
200399021167		0.40	<0.02	7.72	2.2	540	8.29	1.53	1.56	0.05	47.8	12.4	78	30.0	39.0	2.32
200399021168		0.40	0.02	7.13	6.1	580	1.86	0.19	3.83	0.18	51.1	29.8	211	11.35	92.8	4.56
200399021169		0.26	0.02	5.94	1.2	250	1.58	0.27	4.52	0.17	18.30	34.7	321	12.55	41.6	5.22
200399021170		0.28	0.13	6.78	1.4	500	1.54	0.17	2.91	0.10	23.1	20.7	179	9.12	32.6	3.59
200399021171		0.34	0.23	6.36	1.3	380	2.21	0.24	3.75	0.09	19.10	27.1	273	9.64	29.7	3.97
200399021172		0.36	0.07	6.44	0.2	330	1.62	0.18	4.57	0.07	19.15	27.3	229	7.38	7.9	3.82
200399021173		0.44	0.27	7.87	2.2	810	1.64	0.14	2.03	0.02	35.7	6.1	6	2.83	24.0	1.82
200399021174		0.42	0.31	9.30	3.1	1180	6.52	1.26	1.60	0.16	55.9	20.9	112	31.1	103.0	5.18
200399021175		0.32	0.47	9.86	3.9	1330	8.16	2.40	1.62	0.65	126.5	30.3	90	49.8	134.0	5.30
200399021176		0.44	0.55	7.00	1.9	680	5.69	0.67	2.65	0.16	32.0	27.2	263	22.1	45.4	4.28
200399021177		0.52	0.14	7.86	3.5	760	3.40	0.47	2.09	0.16	34.3	15.6	89	11.45	45.1	3.79
200399021178		0.46	0.18	6.72	2.2	660	2.85	0.50	2.39	0.16	28.2	18.0	136	13.00	32.8	3.43
200399021179		0.42	0.08	6.39	1.4	580	3.05	0.37	3.00	0.37	21.0	24.5	214	19.25	25.6	3.86
200399021180		0.32	0.23	6.99	2.5	1340	3.74	0.37	1.42	0.15	73.0	11.1	47	19.75	66.3	2.78
200399021181		0.30	0.06	7.25	2.2	800	1.45	0.13	1.88	0.06	32.1	6.0	5	1.90	18.1	1.88
200399021182		0.38	0.16	6.10	4.8	850	3.88	0.37	1.72	0.47	64.9	13.8	97	11.80	36.0	3.68
200399021183		0.36	0.29	7.49	2.2	810	1.68	0.14	1.97	0.08	49.3	6.6	4	2.44	18.6	1.84
2[illegible]021184		0.26	0.10	5.36	1.2	440	9.13	0.40	1.91	1.95	16.25	10.9	61	9.35	16.4	3.20
200399021185		0.34	0.55	7.24	2.4	810	1.84	0.16	1.80	0.13	46.5	6.1	5	3.29	19.4	1.81
200399021186		0.44	0.32	7.70	2.3	870	1.50	0.15	1.82	0.19	36.6	5.5	4	3.34	19.6	1.78
200399021187		0.32	0.09	6.92	1.6	770	2.21	0.28	2.48	1.42	25.4	15.3	95	10.90	21.7	3.13
200399021188		0.20	0.31	7.44	2.0	780	1.47	0.20	2.38	2.92	34.3	18.1	17	4.84	20.9	2.49
200399021189		0.38	0.39	7.27	2.5	850	1.41	0.15	1.64	0.51	35.5	3.7	3	2.49	20.3	1.40
200399021190		0.46	0.56	6.80	3.8	1020	2.23	0.25	1.28	1.54	71.1	14.6	58	7.72	53.5	3.34
200399021191		0.36	0.15	7.03	2.8	1350	1.54	0.37	1.91	1.15	39.0	13.0	71	9.57	24.3	3.38
200399021192		0.28	0.14	7.05	2.3	1400	2.04	0.32	1.86	0.86	51.4	15.3	78	9.59	62.0	3.61
200399021193		0.28	0.36	7.03	2.2	940	1.52	0.20	1.80	1.38	38.5	6.7	12	5.37	17.3	1.76
200399021194		0.38	0.23	6.70	2.2	990	1.58	0.33	2.44	1.02	29.5	16.5	122	15.60	19.0	3.12
200399021195		0.36	0.29	6.16	2.0	1500	1.42	0.40	1.43	1.74	42.7	9.1	66	16.20	23.1	2.68
200399021196		0.28	0.46	6.32	1.8	1180	1.39	0.25	1.46	1.62	39.5	13.4	38	9.99	39.0	2.72
200399021197		0.32	0.58	5.87	2.9	850	2.29	0.22	1.19	0.81	63.1	9.6	28	11.50	138.5	2.13
200399021198		0.36	0.34	6.83	1.3	640	1.88	0.28	3.22	0.55	23.1	24.5	215	11.35	46.2	3.81
200399021199		0.30	0.14	6.47	1.6	800	1.72	0.25	2.71	0.29	30.6	15.0	102	8.95	16.3	2.45
200399021200		0.28	0.13	6.67	1.0	600	1.58	0.32	2.64	0.29	28.3	30.0	255	9.28	42.2	4.14

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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021201		0.34	0.13	6.78	1.0	590	1.66	0.35	2.68	0.29	27.8	32.0	292	9.73	46.4	4.46
200399021202		0.24	0.25	6.97	1.6	920	2.32	0.23	1.66	0.65	47.4	11.2	19	10.55	45.6	2.20
20[illegible]9021203		0.42	0.25	7.61	2.3	1060	2.23	0.30	1.69	0.27	42.5	11.4	53	11.75	31.3	2.91
2[illegible]3021204		0.36	0.18	6.81	1.6	590	2.41	0.23	3.67	0.14	23.5	25.5	213	6.10	19.8	3.40
200399021205		0.38	0.27	6.32	0.7	520	2.16	0.19	3.58	0.18	21.7	26.5	242	9.00	19.2	3.74
200399021206		0.42	0.09	6.23	0.7	530	2.50	0.22	4.25	0.21	20.2	30.4	274	11.60	11.8	3.89
200399021207		0.40	0.88	7.61	3.7	860	3.17	0.15	1.89	0.10	34.6	7.4	11	6.65	31.7	1.72
200399021208		0.44	0.06	6.52	0.9	360	2.21	0.31	4.12	0.09	14.60	19.0	93	4.63	13.7	3.20
200399021209		0.26	0.20	7.79	2.9	840	2.46	0.14	2.31	0.04	30.7	8.4	19	3.62	16.4	2.16
200399021210		0.26	0.15	7.28	0.9	670	5.78	0.64	3.98	0.85	39.8	41.0	416	28.6	75.8	5.39
200399021211		0.38	0.44	7.55	2.7	800	2.58	0.39	2.27	0.16	40.4	20.9	159	11.40	35.5	4.18
200399021212		0.32	0.24	6.79	1.0	670	3.20	0.69	2.59	0.11	25.5	18.0	129	9.44	33.1	3.34
200399021213		0.40	0.18	7.16	2.2	580	1.94	0.28	3.19	0.10	24.1	23.0	171	7.44	34.4	3.57
200399021214		0.44	0.12	5.99	1.5	360	4.90	0.32	3.89	0.20	17.15	31.2	266	16.95	54.3	4.20
200399021215		0.40	0.25	7.12	2.0	770	1.72	0.19	2.32	0.04	30.2	11.0	56	7.01	17.0	2.13
200399021216		0.32	0.52	7.81	2.5	810	2.27	0.14	2.06	0.06	31.0	7.2	6	5.11	25.6	1.92
200399021217		0.36	0.17	7.00	1.8	530	1.60	0.23	3.11	0.04	22.3	23.0	140	6.72	18.2	4.07
200399021218		0.36	0.09	7.09	1.3	400	1.32	0.25	3.51	0.04	16.25	34.8	325	10.65	52.5	5.41
200399021219		0.32	0.54	7.46	3.1	940	3.16	0.71	2.06	0.11	47.2	20.0	116	18.75	63.2	3.66
200399021220		0.34	0.38	7.26	4.0	780	1.84	0.32	2.07	0.09	48.1	6.7	11	3.00	57.1	1.59
200399021221		0.48	0.41	8.38	2.5	1060	4.03	0.89	2.41	0.28	53.6	30.6	184	29.4	78.8	4.27
200399021222		0.38	0.23	7.27	1.8	1040	3.70	0.69	2.18	0.08	51.8	21.8	142	19.50	48.9	3.59
200399021223		0.36	0.61	6.62	2.2	1040	2.81	0.67	1.50	0.10	37.4	10.5	64	13.05	25.7	2.64
2[illegible]9021224		0.36	0.16	7.27	2.3	1300	3.69	0.76	1.64	0.11	48.5	12.1	87	15.95	22.9	2.79
200399021225		0.40	0.17	7.50	2.3	1180	2.82	0.74	1.56	0.09	43.2	11.4	74	13.65	22.3	2.73
200399021226		0.48	0.26	7.12	1.4	1220	3.40	0.59	1.58	0.14	44.8	9.3	60	11.50	18.0	2.19
200399021227		0.40	0.18	7.67	2.8	870	1.54	0.27	1.80	0.05	30.9	5.4	7	5.48	20.5	1.77
200399021228		0.36	0.25	7.42	2.9	1080	2.56	0.59	1.54	0.12	40.3	8.4	57	12.40	25.5	2.30
200399021229		0.30	0.35	7.55	2.1	880	1.48	0.23	1.83	0.05	32.3	5.7	7	3.52	22.8	1.80
200399021230		0.32	0.07	6.86	0.6	740	2.98	0.43	2.55	0.10	37.3	14.4	93	7.94	11.0	2.75
200399021231		0.34	0.08	6.68	1.6	1100	3.09	0.58	1.57	0.08	41.9	11.2	93	10.00	15.0	2.92
200399021232		0.40	0.09	6.79	0.9	1220	2.80	0.70	1.92	0.10	45.2	9.7	93	7.41	8.3	2.13
200399021233		0.40	0.09	6.88	1.2	900	2.25	0.54	2.60	0.07	37.5	15.6	135	10.05	11.2	2.82
200399021234		0.46	0.14	6.91	1.3	970	2.68	0.63	2.11	0.09	40.5	15.8	140	11.40	15.4	3.12
200399021235		<0.02	0.24	7.49	2.9	860	1.34	0.15	1.83	0.04	32.2	5.0	2	2.04	18.8	1.62
200399021236		0.54	0.09	7.02	1.6	370	4.46	0.83	3.44	0.08	43.6	31.2	286	15.95	111.5	4.43
200399021237		0.44	0.02	6.46	3.0	360	4.00	0.71	3.34	1.19	30.3	31.0	366	15.50	58.7	4.50
200399021238		0.34	0.02	6.68	1.5	340	4.54	0.72	3.38	0.09	35.3	29.6	329	14.80	65.2	4.49
200399021239		0.34	0.12	7.27	1.6	570	3.43	0.87	3.19	0.88	50.9	65.4	218	24.4	166.5	4.57
200399021240		0.48	0.03	6.24	0.3	790	3.17	0.77	2.26	0.05	53.8	12.8	88	12.30	3.2	2.19

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CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200399021241		0.46	0.11	6.92	1.3	870	2.87	0.46	2.85	0.13	34.6	22.5	221	10.05	19.8	3.85
200399021242		0.32	0.19	8.74	1.4	380	0.70	0.58	1.48	0.63	15.60	15.8	37	11.85	40.4	5.80
2[illegible]9021243		0.36	0.17	7.20	2.4	390	0.93	0.40	3.06	0.23	10.90	37.9	309	13.00	72.3	7.21
2 9021244		0.40	<0.02	5.74	<0.2	920	1.36	0.38	3.83	0.09	26.0	26.8	276	9.20	5.8	3.79
200399021245		0.34	0.03	3.87	<0.2	130	2.23	0.33	7.34	0.31	4.41	47.7	684	3.30	5.8	5.97
200399021246		0.40	0.10	6.57	0.3	600	1.08	0.28	3.73	0.12	24.1	23.0	216	7.15	9.8	3.75
200399021247		0.40	0.05	6.57	<0.2	400	0.52	0.23	4.89	0.19	11.20	45.0	573	25.3	37.5	5.64
200399021248		0.44	<0.02	7.70	<0.2	220	0.24	0.11	5.69	0.08	4.04	37.5	209	1.80	2.3	5.47
200399021249		0.32	0.02	6.28	<0.2	190	0.25	0.05	5.23	0.09	9.79	38.1	204	4.95	14.6	6.34
200399021250		0.40	0.04	7.70	0.7	230	0.42	0.14	4.47	0.09	12.05	35.3	100	7.92	21.9	6.51
200399021251		0.30	0.03	7.63	0.3	230	0.35	0.14	4.40	0.08	11.40	34.5	110	7.02	18.6	6.10
200399021252		0.32	0.09	7.81	1.2	110	0.81	0.11	3.85	0.08	10.80	51.7	473	5.84	81.8	8.16
200399021253		0.40	0.04	6.77	1.2	210	0.66	0.17	4.31	0.10	10.35	38.9	320	6.06	52.6	6.44

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Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399020021		21.0	0.27	1.3	0.058	1.24	19.8	31.5	3.12	623	2.39	1.16	12.2	112.0	550	14.0
200399020022		14.15	0.27	0.9	0.047	0.75	15.6	52.6	4.47	881	2.13	1.38	5.3	151.0	490	9.3
20[illegible]020023		11.10	0.28	0.5	0.032	0.85	22.5	36.9	2.30	756	1.98	0.99	4.9	95.5	950	16.2
20[illegible]020024		16.65	0.24	0.8	0.040	0.68	10.0	38.0	5.03	886	1.46	1.24	6.1	161.5	240	9.4
200399020025		14.55	0.26	1.0	0.042	0.94	21.6	46.0	3.90	693	1.39	1.12	8.6	147.5	610	13.0
200399020026		18.30	0.28	0.9	0.056	1.32	21.8	57.1	4.57	865	2.63	0.94	8.2	172.0	490	14.1
200399020027		17.30	0.25	1.1	0.033	0.94	14.9	26.3	3.81	661	1.48	1.04	7.8	119.5	500	11.2
200399020028		18.75	0.25	1.4	0.044	1.40	19.2	38.3	3.16	734	3.21	1.31	8.3	102.5	730	14.9
200399020029		16.75	0.22	2.1	0.033	1.44	18.2	22.8	2.47	634	1.68	1.82	8.7	60.7	390	10.8
200399020030		15.90	0.25	1.9	0.029	1.28	18.4	24.2	2.78	630	2.55	1.82	6.9	81.0	320	9.6
200399020031		15.80	0.25	1.2	0.035	0.87	14.6	27.2	4.27	793	1.22	1.38	5.4	122.5	440	8.9
200399020032		17.70	0.27	1.3	0.036	0.95	11.3	79.1	4.42	787	0.82	1.39	5.2	148.5	250	11.6
200399020033		19.45	0.27	1.4	0.044	1.30	14.9	82.4	3.95	782	0.76	1.28	6.2	114.0	310	17.3
200399020034		18.45	0.23	3.4	0.017	2.17	19.4	25.1	0.68	874	2.58	2.53	6.0	8.9	850	12.8
200399020035		16.55	0.23	1.0	0.036	0.72	9.2	26.4	5.19	889	0.65	1.66	5.2	152.5	230	6.6
200399020036		15.00	0.24	1.6	0.027	1.12	12.2	33.4	3.94	833	0.95	1.84	4.1	128.0	470	8.5
200399020037		15.65	0.22	0.7	0.037	0.59	9.4	21.7	4.82	857	0.31	1.86	4.8	107.0	110	7.0
200399020038		17.55	0.26	0.9	0.040	0.78	10.6	58.7	5.34	929	0.61	1.50	4.6	173.0	220	9.9
200399020039		20.6	0.23	1.9	0.036	1.94	20.5	65.5	2.90	567	0.63	1.58	6.8	80.7	490	23.9
200399020040		19.50	0.26	1.6	0.038	1.72	20.0	81.5	3.90	641	0.90	1.38	7.0	111.5	350	23.8
200399020041		17.35	0.28	1.3	0.042	1.27	26.4	91.7	4.58	750	0.38	1.28	4.0	210	310	17.4
200399020042		17.10	0.25	2.5	0.029	1.74	19.3	55.0	2.92	564	0.98	2.01	4.8	105.5	330	13.4
20[illegible]9020043		15.25	0.27	0.9	0.043	0.81	13.7	68.9	4.71	809	0.57	1.09	4.1	146.5	360	11.5
2[illegible]020044		14.65	0.27	0.6	0.037	0.57	9.9	28.4	6.29	842	0.60	0.83	4.3	208	240	6.1
200399020045		14.60	0.26	0.9	0.032	0.66	10.7	24.8	6.59	800	0.50	0.87	4.6	208	210	5.0
200399020046		12.05	0.30	0.9	0.027	0.60	12.3	25.3	8.32	801	0.72	0.64	6.0	363	300	5.2
200399020047		9.73	0.30	0.4	0.033	0.50	9.5	33.0	7.13	892	0.34	0.83	2.9	309	260	4.8
200399020048		12.40	0.31	0.7	0.038	0.69	13.0	43.9	6.98	944	0.57	0.85	4.3	360	430	7.4
200399020049		17.40	0.23	0.2	0.029	1.61	18.3	26.9	1.45	1190	2.14	1.54	6.1	50.3	1700	16.8
200399020050		21.4	0.26	0.2	0.043	1.78	21.1	46.3	2.22	642	2.69	1.06	10.4	78.0	2190	19.4
200399020051		19.45	0.29	1.3	0.046	1.61	21.6	49.3	2.53	754	2.45	1.02	12.0	94.0	1570	20.9
200399020052		18.40	0.24	1.5	0.037	1.54	18.6	32.0	2.89	626	1.53	1.60	9.4	90.9	480	13.3
200399020053		17.05	0.26	0.5	0.017	2.06	24.5	19.1	0.46	297	1.82	2.33	2.7	7.8	1260	10.3
200399020054		19.05	0.29	2.7	0.025	1.98	22.7	33.0	1.08	378	1.78	2.00	7.8	30.6	1260	14.7
200399020055		17.70	0.29	1.2	0.041	1.64	24.1	46.4	2.83	615	0.95	1.44	9.2	95.2	490	20.0
200399020056		16.35	0.33	1.2	0.040	1.36	41.5	73.0	4.06	795	0.95	1.34	6.0	147.5	500	19.9
200399020057		22.4	0.28	1.5	0.051	1.59	24.1	63.0	2.71	591	2.33	1.14	13.5	101.0	600	21.4
200399020058		15.65	0.27	0.8	0.033	0.68	8.1	17.6	5.41	931	0.42	1.30	4.1	106.5	260	6.6
200399020059		16.20	0.42	1.2	0.030	1.73	22.2	57.4	2.61	723	1.03	1.62	6.9	86.8	370	21.3
200399020060		13.20	0.32	1.0	0.025	1.39	15.1	55.3	3.23	813	0.92	1.50	5.1	112.5	320	17.9

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200399020061		17.60	0.36	1.0	0.007	2.14	19.5	19.9	0.58	371	1.78	2.72	3.6	7.4	410	9.7
200399020062		20.3	0.35	0.7	0.017	1.89	20.0	47.0	1.38	650	2.91	2.24	5.4	49.0	510	14.0
2[illegible]9020063		23.6	0.38	0.3	0.030	1.81	19.6	109.5	1.63	501	2.88	1.60	5.7	92.5	1200	16.1
2[illegible]9020064		16.10	0.36	1.0	0.027	1.70	24.0	68.5	2.33	625	0.71	1.58	6.3	79.2	570	21.9
200399020065		15.60	0.39	0.9	0.027	1.02	9.7	20.6	4.38	925	1.75	1.45	7.9	159.0	270	10.6
200399020066		16.40	0.41	0.9	0.030	1.02	10.8	40.7	4.54	888	1.22	1.41	7.0	178.5	230	10.0
200399020067		15.95	0.38	1.2	0.036	1.33	21.4	69.2	3.95	868	0.78	1.47	6.1	147.5	550	18.1
200399020068		14.15	0.36	0.9	0.036	0.92	14.0	51.8	5.94	1135	0.50	1.27	5.1	232	340	11.0
200399020069		12.70	0.37	0.6	0.030	0.65	7.2	29.0	6.94	1130	0.31	1.18	3.1	258	130	5.5
200399020070		16.15	0.36	1.5	0.030	1.30	16.9	56.4	4.55	897	0.75	1.58	5.7	172.5	410	13.0
200399020071		17.05	0.30	1.2	0.037	1.17	15.2	57.1	5.03	965	0.79	1.40	6.8	175.0	340	14.0
200399020072		18.05	0.31	1.4	0.031	1.20	17.0	35.8	4.40	831	1.17	1.53	11.2	178.0	240	11.9
200399020073		20.7	0.31	1.2	0.039	1.37	18.2	42.4	3.84	835	1.27	1.48	4.1	149.0	280	16.3
200399020074		14.75	0.29	0.8	0.033	0.82	10.2	43.1	5.06	1035	0.48	1.50	4.0	191.5	190	9.3
200399020075		14.10	0.31	0.8	0.033	0.95	12.8	50.2	5.12	1050	0.34	1.51	4.3	161.5	220	11.1
200399020076		12.50	0.31	0.5	0.030	0.51	7.4	30.2	6.04	1160	0.32	1.21	2.7	191.5	150	4.7
200399021137		19.65	0.35	0.4	0.054	1.33	30.0	44.4	2.73	822	19.60	0.87	7.5	96.4	1360	24.1
200399021138		19.50	0.37	1.4	0.055	0.93	35.3	44.8	2.94	1140	21.1	0.77	6.2	123.5	1900	19.0
200399021139		17.65	0.34	2.0	0.040	0.82	25.7	31.5	2.22	935	13.95	0.93	6.6	68.0	2000	14.8
200399021140		22.9	0.48	1.5	0.069	2.41	69.0	44.1	1.49	560	6.08	0.89	18.6	48.9	1460	18.5
200399021141		17.75	0.33	0.3	0.032	0.92	21.4	24.7	2.22	1030	3.98	1.08	6.3	27.9	1220	13.5
200399021142		18.25	0.31	3.7	0.011	2.15	19.9	20.1	0.66	397	2.99	2.66	6.1	7.2	620	10.4
20[illegible]99021143		18.35	0.37	2.9	0.012	2.11	26.9	20.3	0.72	396	2.82	2.70	5.5	8.1	680	10.1
2[illegible]9021144		18.85	0.34	2.8	0.019	2.16	22.9	23.1	0.88	397	4.46	2.59	5.6	14.6	800	11.7
200399021145		18.50	0.37	0.2	0.036	1.39	30.5	28.2	1.29	414	7.78	0.89	7.9	38.5	1730	16.6
200399021146		21.9	0.41	1.9	0.048	2.05	35.9	42.9	0.87	423	9.84	1.15	11.9	60.2	1340	21.8
200399021147		17.20	0.37	2.6	0.018	1.73	16.6	26.8	2.18	666	1.57	2.30	5.6	59.8	650	9.4
200399021148		16.65	0.36	1.4	0.040	1.34	22.0	47.5	3.39	873	2.24	1.45	7.6	117.5	980	14.6
200399021149		23.1	0.48	1.8	0.061	2.00	56.0	41.5	2.55	663	4.56	1.20	10.3	97.1	1020	20.9
200399021150		16.20	0.43	0.5	0.063	0.81	11.0	128.0	7.03	1835	2.56	1.26	3.1	222	330	8.4
200399021151		16.80	0.41	0.6	0.066	0.84	11.4	141.5	7.39	1835	2.62	1.14	3.5	236	370	7.8
200399021152		15.95	0.32	2.0	0.025	1.39	13.8	39.7	3.71	1085	1.05	2.10	4.8	133.5	530	9.1
200399021153		13.50	0.37	0.5	0.024	0.96	10.8	32.7	4.83	979	0.73	1.49	3.3	172.5	780	7.3
200399021154		11.60	0.34	0.6	0.027	0.53	6.2	44.9	6.97	1010	0.37	1.39	2.9	265	260	4.4
200399021155		11.10	0.11	0.4	0.040	0.43	5.7	50.3	6.82	965	0.28	1.32	2.5	248	240	5.3
200399021156		11.35	0.09	0.4	0.039	0.47	6.2	45.8	6.02	922	0.29	1.43	2.8	204	450	4.8
200399021157		17.35	0.05	0.2	0.016	2.07	17.8	18.8	0.65	370	1.48	2.82	2.5	5.2	460	9.0
200399021158		12.25	0.10	0.8	0.042	0.74	14.0	53.2	4.98	913	0.41	1.83	4.7	151.0	360	6.5
200399021159		12.35	0.10	0.7	0.042	0.63	12.0	44.4	4.51	891	0.44	1.93	4.4	114.5	270	5.6
200399021160		13.00	0.11	0.6	0.044	0.54	9.8	41.8	5.17	964	0.38	2.11	3.6	129.0	280	5.0

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021161		12.55	0.11	0.3	0.047	0.26	3.2	61.2	6.51	1135	0.13	1.48	1.5	183.5	370	2.8
200399021162		13.05	0.11	0.4	0.046	0.52	4.4	85.0	6.37	1090	0.33	1.44	1.7	224	280	4.2
20[illegible]021163		14.45	0.08	1.5	0.034	0.91	9.0	55.8	4.84	824	0.65	1.59	3.1	171.0	420	5.6
20[illegible]021164		14.40	0.10	0.8	0.038	0.64	6.3	81.9	7.06	1110	0.43	1.24	2.3	248	380	5.0
200399021165		13.80	0.12	0.5	0.047	0.56	6.6	81.4	7.40	1275	0.26	1.19	2.3	248	270	4.4
200399021166		18.10	0.11	0.5	0.058	0.59	4.2	100.5	5.02	1670	0.11	2.11	1.4	127.0	220	7.9
200399021167		21.3	0.06	0.5	0.031	2.69	18.8	124.0	1.74	400	0.81	2.26	4.3	57.1	430	30.1
200399021168		14.80	0.12	1.4	0.052	1.07	27.2	36.5	3.78	833	0.79	1.75	8.4	123.5	320	9.8
200399021169		13.85	0.11	0.7	0.042	0.55	10.2	40.3	4.70	931	0.50	1.33	3.8	149.0	380	5.4
200399021170		15.90	0.07	0.6	0.028	1.26	13.7	40.9	3.19	606	1.08	1.99	3.8	91.8	450	7.0
200399021171		14.40	0.08	0.4	0.032	0.92	11.2	45.1	4.28	735	0.73	1.73	3.4	134.5	690	6.3
200399021172		14.00	0.09	1.2	0.033	0.84	11.4	24.3	4.30	811	0.41	2.00	4.7	116.0	250	5.0
200399021173		19.15	0.05	0.2	0.017	2.11	20.2	20.4	0.64	365	1.68	2.90	2.8	5.4	550	9.2
200399021174		24.2	0.13	1.5	0.078	1.68	38.5	73.3	2.65	730	5.73	1.04	10.0	95.3	750	20.8
200399021175		26.4	0.21	1.4	0.090	1.96	70.1	73.5	2.39	889	6.88	0.95	11.4	92.6	900	23.6
200399021176		19.50	0.09	0.3	0.047	1.40	19.5	44.0	4.57	742	1.99	1.20	7.2	148.0	660	12.3
200399021177		20.2	0.10	0.2	0.042	1.64	19.3	39.1	2.40	747	2.49	2.29	5.1	59.4	720	11.5
200399021178		17.35	0.09	0.2	0.040	1.37	16.8	35.9	2.91	718	1.68	1.85	5.0	85.0	850	9.9
200399021179		15.30	0.09	1.2	0.036	1.14	12.5	35.9	3.85	929	3.00	1.73	4.8	121.5	730	9.2
200399021180		17.65	0.13	<0.1	0.037	1.57	57.1	37.5	1.32	464	3.34	1.57	4.2	38.4	1410	13.5
200399021181		17.85	0.06	0.5	0.017	2.05	19.9	19.8	0.61	358	1.64	2.73	3.5	4.9	510	9.6
200399021182		15.25	0.13	0.3	0.050	1.20	31.2	35.0	1.87	634	3.12	1.36	7.4	59.3	820	15.3
200399021183		19.00	0.10	0.2	0.017	2.08	29.8	20.4	0.64	363	1.90	2.80	2.6	6.5	580	10.1
2[illegible]021184		13.35	0.06	0.2	0.028	0.71	9.9	24.2	2.00	972	3.97	1.82	4.7	33.3	830	11.1
200399021185		19.15	0.08	0.2	0.020	2.01	29.6	20.0	0.61	352	2.16	2.59	2.6	6.8	750	10.9
200399021186		19.60	0.07	0.3	0.019	2.27	22.0	22.2	0.56	362	3.18	2.88	3.5	4.5	460	10.6
200399021187		17.35	0.09	0.8	0.030	1.58	15.2	28.1	2.42	683	3.36	2.16	4.6	68.1	590	9.2
200399021188		18.05	0.08	0.1	0.024	1.85	18.8	18.3	1.08	934	4.18	2.68	3.1	15.6	780	10.9
200399021189		17.55	0.06	0.1	0.012	2.14	23.1	19.4	0.42	340	2.61	2.68	2.2	3.3	630	10.0
200399021190		15.35	0.13	0.2	0.056	1.08	39.9	28.6	1.57	552	7.44	1.03	6.8	67.3	1290	15.9
200399021191		20.5	0.10	0.6	0.039	1.66	21.8	26.3	1.84	607	4.82	1.92	6.2	50.4	610	16.3
200399021192		19.40	0.11	0.7	0.048	1.17	29.9	40.3	2.38	609	8.61	1.22	6.4	72.4	680	16.0
200399021193		19.20	0.07	0.6	0.018	2.09	21.8	22.1	0.65	369	2.06	2.56	4.8	9.6	340	10.7
200399021194		17.40	0.11	0.1	0.035	1.53	17.2	22.6	2.40	586	3.78	1.94	5.0	77.5	1400	11.5
200399021195		21.1	0.10	1.4	0.036	1.68	24.3	23.8	1.24	488	6.02	1.62	7.0	35.5	320	16.2
200399021196		17.20	0.09	0.1	0.036	1.54	22.2	24.7	1.26	573	8.17	1.69	4.0	37.7	1470	13.1
200399021197		15.75	0.15	0.1	0.031	1.44	46.6	22.7	0.76	318	4.35	1.55	3.9	31.1	1200	12.6
200399021198		15.80	0.10	1.7	0.035	1.19	13.8	31.3	3.82	777	1.36	1.95	5.1	116.5	360	8.2
200399021199		16.95	0.09	2.0	0.026	1.60	18.1	18.8	2.28	542	1.46	2.02	6.6	71.7	510	9.7
200399021200		16.60	0.12	1.7	0.038	1.10	19.9	54.4	4.57	1200	2.47	1.49	5.6	168.0	820	9.1

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Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200399021201		16.80	0.11	1.6	0.041	1.06	19.5	60.3	4.95	1275	2.51	1.42	5.7	182.0	780	8.7
200399021202		19.20	0.14	0.2	0.027	1.78	42.1	23.4	0.91	424	3.37	2.20	4.2	22.9	1080	11.5
2[illegible]9021203		20.3	0.08	0.2	0.037	1.78	24.5	33.2	1.56	503	2.79	1.98	6.7	39.7	760	12.0
2[illegible]9021204		17.55	0.10	0.9	0.024	1.46	14.2	31.0	3.84	709	1.30	2.08	4.1	143.5	440	7.3
200399021205		15.00	0.10	0.8	0.028	1.20	12.8	27.5	4.23	809	1.04	1.67	4.3	144.5	530	6.3
200399021206		15.95	0.09	1.5	0.034	1.14	12.1	27.4	4.96	867	0.75	1.68	5.8	161.0	310	7.0
200399021207		19.45	0.07	0.2	0.017	2.18	21.8	22.2	0.64	419	1.90	2.83	2.3	12.0	590	9.4
200399021208		14.25	0.07	1.4	0.026	0.89	8.7	16.8	3.11	646	0.60	2.41	3.4	79.8	220	7.0
200399021209		19.85	0.07	3.9	0.017	2.16	18.5	20.1	0.95	442	1.61	2.98	5.9	15.6	310	9.1
200399021210		17.90	0.15	0.8	0.055	1.17	23.5	59.3	5.71	1005	2.81	0.81	6.2	231	470	11.2
200399021211		20.7	0.11	1.9	0.052	1.52	22.6	38.4	2.81	719	2.70	1.50	9.1	101.0	480	13.7
200399021212		17.70	0.09	1.9	0.036	1.31	15.4	32.0	2.66	716	1.68	1.79	6.7	87.1	780	10.4
200399021213		16.35	0.08	2.2	0.031	1.34	14.6	36.2	3.13	668	1.26	2.01	5.4	107.0	650	8.0
200399021214		12.45	0.09	1.0	0.030	0.77	11.0	46.1	4.49	974	1.13	1.36	3.8	153.0	540	5.4
200399021215		18.30	0.06	3.5	0.018	2.00	18.2	22.5	1.59	470	1.56	2.62	5.9	43.4	350	8.7
200399021216		19.70	0.06	0.5	0.018	2.09	18.5	19.6	0.68	376	1.68	2.84	4.1	6.4	530	9.0
200399021217		18.80	0.09	2.3	0.038	1.30	13.2	31.3	3.54	861	1.12	1.93	5.2	80.7	210	6.9
200399021218		17.20	0.11	1.5	0.048	0.93	9.5	64.6	5.30	1265	0.87	1.49	4.0	143.0	310	5.2
200399021219		19.90	0.12	0.7	0.042	1.50	28.6	68.3	2.30	588	4.58	1.61	6.2	103.0	1030	15.9
200399021220		18.40	0.09	3.1	0.021	1.85	32.2	22.3	0.69	334	2.70	2.55	4.9	17.9	780	10.6
200399021221		21.4	0.16	1.8	0.054	1.56	30.4	97.2	3.26	1040	3.88	1.47	8.9	144.0	830	18.4
200399021222		19.40	0.13	1.5	0.048	1.64	29.2	76.2	2.69	624	1.94	1.43	8.9	104.0	720	19.5
2[illegible]9021223		20.9	0.09	0.4	0.039	1.70	20.5	56.8	1.32	477	2.40	1.54	7.3	47.9	1000	19.2
2[illegible]9021224		22.6	0.09	1.9	0.043	2.07	25.8	70.3	1.68	505	1.87	1.64	9.4	57.2	730	23.6
200399021225		25.1	0.10	2.4	0.039	2.12	23.7	68.5	1.51	505	2.55	1.81	7.4	50.4	480	19.3
200399021226		22.9	0.08	2.1	0.036	2.09	23.9	63.7	1.32	452	2.18	1.79	9.4	41.5	610	21.1
200399021227		20.2	0.09	0.7	0.022	2.19	18.8	35.7	0.59	347	2.08	2.74	4.1	9.3	400	11.4
200399021228		22.5	0.11	2.8	0.035	2.06	22.6	62.1	1.18	414	2.68	1.96	9.1	41.7	470	17.6
200399021229		19.35	0.11	0.4	0.018	2.15	19.6	29.5	0.61	353	2.03	2.77	3.0	10.4	390	11.3
200399021230		18.25	0.12	2.0	0.038	1.71	19.8	48.0	2.47	610	0.83	1.96	6.8	61.7	240	18.4
200399021231		19.10	0.15	1.5	0.040	1.73	22.2	53.9	1.75	502	0.52	1.58	1.0	52.9	320	23.7
200399021232		20.6	0.12	2.1	0.036	1.76	24.4	38.5	1.64	498	0.91	1.77	5.9	45.3	320	22.5
200399021233		19.05	0.10	2.1	0.034	1.62	20.6	35.2	2.68	606	1.26	1.88	8.7	75.1	270	16.0
200399021234		20.9	0.14	1.5	0.043	1.57	21.9	57.3	2.57	579	0.37	1.49	0.6	74.1	170	21.0
200399021235		18.10	0.10	0.5	0.016	2.16	19.7	21.1	0.56	356	1.68	2.84	3.4	4.5	400	10.9
200399021236		16.15	0.15	1.4	0.042	1.36	26.6	76.8	4.74	844	0.88	1.55	4.1	163.5	520	18.1
200399021237		14.85	0.13	1.1	0.040	1.24	17.1	68.3	4.65	860	0.70	1.43	3.9	162.0	340	17.6
200399021238		15.00	0.13	1.2	0.038	1.36	18.7	68.5	4.74	811	0.48	1.55	3.4	155.5	250	18.2
200399021239		16.80	0.16	1.5	0.048	1.12	26.1	102.0	4.34	1070	1.18	1.32	5.1	182.0	520	16.9
200399021240		19.15	0.12	1.9	0.035	1.82	28.0	45.0	2.18	540	0.19	1.72	2.1	60.7	150	24.1

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200399021241		18.40	0.11	1.5	0.038	1.48	18.2	53.3	3.39	699	0.69	1.70	8.4	116.5	190	18.5
200399021242		21.5	0.13	1.1	0.060	0.69	8.9	44.4	3.32	898	0.95	3.03	4.6	25.3	270	8.6
2[illegible]9021243		18.75	0.16	0.7	0.060	0.59	6.0	64.9	5.69	1335	0.72	1.62	4.0	144.5	230	7.2
2[illegible]9021244		15.35	0.10	1.0	0.042	1.12	14.6	24.3	4.78	901	0.63	1.34	8.1	141.0	90	10.5
200399021245		9.32	0.11	0.4	0.034	0.30	2.5	21.5	9.31	1335	0.16	0.65	1.6	303	140	9.9
200399021246		15.90	0.10	1.7	0.043	1.18	14.1	23.0	4.22	1015	0.75	2.03	6.1	120.0	160	9.3
200399021247		14.25	0.13	0.5	0.040	0.50	6.4	30.0	7.61	1220	0.48	1.02	3.6	267	130	6.0
200399021248		14.00	0.11	0.3	0.044	0.18	2.2	16.6	5.63	1575	0.05	2.79	1.6	78.9	80	4.0
200399021249		15.55	0.13	0.4	0.048	0.27	5.4	12.8	5.49	1515	0.06	1.27	2.2	116.5	120	3.5
200399021250		17.90	0.13	0.6	0.055	0.40	6.8	24.4	5.08	1080	0.41	1.89	3.5	82.1	160	4.1
200399021251		16.85	0.11	0.7	0.049	0.43	6.4	23.2	5.00	1070	0.39	2.03	3.4	78.0	130	4.0
200399021252		14.85	0.16	0.5	0.056	0.27	6.0	30.5	6.45	1485	0.29	1.34	2.7	158.0	190	3.5
200399021253		14.90	0.13	0.6	0.047	0.36	5.8	31.5	5.76	1115	0.45	1.40	3.1	136.5	200	3.9

Comments: REE's may not be totally soluble in MS61 method.

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Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399020021		65.5	<0.002	0.02	0.43	1	4.3	149.5	0.73	0.07	7.1	0.33	0.42	1.7	150	10.1
200399020022		30.5	<0.002	0.04	0.29	1	2.7	163.0	0.34	0.05	3.5	0.24	0.28	1.9	170	34.2
2 9020023		33.3	0.012	0.10	0.46	3	2.2	180.5	0.12	0.05	5.1	0.26	0.62	3.5	109	16.0
2 9020024		33.7	0.002	0.01	0.22	<1	3.9	114.0	0.37	0.05	3.0	0.28	0.25	0.9	188	4.8
200399020025		44.1	0.002	0.02	0.41	1	4.2	140.0	0.47	0.05	7.0	0.33	0.34	1.7	148	10.4
200399020026		66.6	0.002	0.04	0.14	1	9.7	154.5	0.46	0.09	7.8	0.28	0.53	1.6	156	6.2
200399020027		40.3	0.002	0.02	0.35	<1	4.8	121.0	0.34	0.05	5.4	0.34	0.31	1.3	166	16.3
200399020028		53.0	0.002	0.03	0.25	<1	6.5	206	0.44	0.08	5.5	0.30	0.41	1.8	138	4.1
200399020029		45.6	0.002	0.01	0.31	<1	9.1	274	0.42	<0.05	5.3	0.29	0.31	1.8	115	2.2
200399020030		41.4	0.002	0.02	0.29	1	4.0	265	0.39	0.05	4.9	0.26	0.27	1.8	111	3.1
200399020031		29.7	0.002	0.03	0.25	1	3.0	183.0	0.29	<0.05	4.1	0.27	0.22	1.5	157	5.2
200399020032		53.1	<0.002	0.01	0.25	<1	5.9	161.0	0.36	<0.05	4.4	0.23	0.37	1.4	162	2.0
200399020033		85.7	<0.002	0.01	0.24	1	9.0	121.0	0.44	0.05	7.7	0.24	0.61	2.4	168	11.0
200399020034		48.8	<0.002	0.03	0.46	<1	1.4	543	0.45	<0.05	6.2	0.22	0.35	3.7	43	4.8
200399020035		24.2	0.002	0.01	0.23	<1	2.6	141.0	0.33	<0.05	2.7	0.26	0.16	0.8	195	4.6
200399020036		33.5	<0.002	0.02	0.27	1	2.4	264	0.28	<0.05	3.8	0.21	0.22	2.1	127	3.9
200399020037		26.7	<0.002	<0.01	0.16	<1	2.4	116.5	0.34	<0.05	2.8	0.26	0.18	0.7	183	2.4
200399020038		48.2	<0.002	0.01	0.20	<1	5.1	165.0	0.26	0.05	4.8	0.24	0.32	1.2	211	5.9
200399020039		137.5	0.002	0.01	0.22	<1	9.9	158.5	0.50	<0.05	11.1	0.22	0.92	2.6	112	3.1
200399020040		129.5	0.002	0.01	0.20	<1	9.8	114.5	0.49	<0.05	11.7	0.25	0.86	3.3	132	4.8
200399020041		97.9	<0.002	0.01	0.20	<1	6.4	120.0	0.30	<0.05	11.0	0.19	0.64	3.9	145	7.3
200399020042		63.5	0.002	0.02	0.34	<1	3.5	357	0.33	<0.05	7.5	0.20	0.40	2.6	96	2.5
2 99020043		66.2	0.002	0.02	0.23	<1	5.1	90.0	0.28	0.05	6.1	0.21	0.38	1.4	170	28.2
2 .9020044		35.8	<0.002	0.01	0.32	<1	4.6	61.5	0.28	0.05	3.3	0.21	0.19	0.7	200	39.1
200399020045		28.0	<0.002	0.01	0.23	<1	3.9	97.2	0.26	<0.05	3.2	0.20	0.17	0.8	173	7.2
200399020046		27.6	<0.002	0.01	0.30	1	3.8	82.8	0.24	0.05	3.8	0.19	0.15	0.9	141	2.5
200399020047		30.0	<0.002	0.01	0.21	<1	3.5	75.5	0.16	0.05	2.5	0.17	0.21	0.7	167	11.5
200399020048		35.5	0.002	0.02	0.39	1	2.9	90.7	0.23	0.05	3.9	0.19	0.25	1.1	172	4.2
200399020049		85.8	<0.002	0.08	0.33	1	2.5	298	0.09	<0.05	6.6	0.29	0.41	2.4	83	1.7
200399020050		115.5	0.002	0.07	0.32	1	4.9	173.0	0.27	<0.05	8.9	0.36	0.68	4.0	128	3.7
200399020051		93.7	0.003	0.05	0.28	1	4.5	141.5	0.63	<0.05	10.2	0.39	0.62	3.6	134	3.1
200399020052		79.5	0.002	0.01	0.27	1	3.1	271	0.46	<0.05	6.0	0.34	0.44	1.8	122	1.8
200399020053		48.2	0.002	0.05	0.39	1	0.5	484	0.06	<0.05	6.9	0.18	0.29	8.5	26	0.6
200399020054		63.5	0.002	0.04	0.44	1	2.4	409	0.43	<0.05	8.1	0.25	0.49	5.9	56	1.4
200399020055		96.7	0.002	0.01	0.25	1	4.2	163.5	0.39	<0.05	8.9	0.32	0.62	1.8	119	1.6
200399020056		102.0	0.003	0.02	0.18	1	5.7	126.5	0.43	<0.05	18.4	0.27	0.68	23.0	141	18.6
200399020057		108.0	0.002	0.01	0.42	1	5.3	156.5	0.81	0.06	8.6	0.41	0.62	2.3	157	3.2
200399020058		28.4	0.002	0.01	0.15	<1	1.5	140.5	0.27	<0.05	2.4	0.21	0.16	0.8	174	1.0
200399020059		99.8	<0.002	0.01	0.17	1	4.1	186.0	0.21	<0.05	9.4	0.30	0.62	3.2	118	1.7
200399020060		86.6	<0.002	0.01	0.13	1	3.6	152.5	0.25	<0.05	7.0	0.25	0.53	4.9	124	2.2

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399020061		50.6	<0.002	0.02	0.46	1	0.5	581	0.13	<0.05	5.4	0.20	0.25	2.6	34	0.6
200399020062		62.6	<0.002	0.02	0.45	1	2.1	497	0.15	<0.05	6.9	0.26	0.39	3.9	84	2.2
2[illegible]9020063		104.0	<0.002	0.05	0.63	2	4.5	347	0.09	0.05	9.7	0.25	0.70	4.9	97	4.0
2[illegible]9020064		110.0	0.002	0.02	0.21	1	4.0	190.5	0.12	<0.05	9.7	0.28	0.71	2.9	106	2.3
200399020065		36.6	<0.002	0.01	0.52	1	2.9	243	0.21	0.08	3.1	0.36	0.24	1.0	207	6.4
200399020066		51.3	<0.002	0.01	0.30	1	2.6	237	0.31	0.07	3.5	0.28	0.27	1.1	180	42.2
200399020067		80.3	<0.002	0.02	0.39	1	4.1	169.5	0.37	0.06	7.5	0.23	0.58	2.8	163	3.4
200399020068		50.7	<0.002	0.01	0.27	1	3.1	132.0	0.36	0.06	5.3	0.21	0.35	1.6	205	2.8
200399020069		26.0	<0.002	<0.01	0.60	1	1.6	119.5	0.19	0.05	2.4	0.17	0.16	0.7	203	0.9
200399020070		65.5	<0.002	0.02	0.77	1	3.4	232	0.37	0.05	6.4	0.24	0.40	2.1	162	3.0
200399020071		62.9	<0.002	0.01	0.38	1	4.2	161.0	0.47	0.05	6.4	0.25	0.44	1.6	186	2.6
200399020072		46.3	<0.002	0.01	0.28	1	2.9	275	0.72	0.06	4.7	0.36	0.26	1.4	170	6.1
200399020073		59.0	<0.002	0.01	0.25	1	3.8	323	0.10	0.05	6.0	0.42	0.31	1.6	186	0.5
200399020074		39.5	<0.002	0.01	0.30	1	2.5	158.5	0.25	0.06	3.8	0.21	0.23	0.9	201	1.7
200399020075		57.7	<0.002	0.01	0.17	1	3.5	135.5	0.29	<0.05	5.4	0.23	0.35	1.3	186	3.0
200399020076		22.9	<0.002	0.01	0.18	1	2.0	105.5	0.19	0.06	2.3	0.19	0.15	0.8	206	1.0
200399021137		61.2	<0.002	0.28	0.20	5	2.4	156.0	0.18	0.16	10.4	0.41	0.71	4.0	247	1.4
200399021138		42.4	0.003	0.36	0.15	6	1.6	144.5	0.39	0.15	11.4	0.32	0.68	4.7	230	0.9
200399021139		36.6	<0.002	0.30	0.29	5	1.5	170.0	0.42	0.14	10.0	0.34	0.56	4.3	194	1.0
200399021140		145.5	<0.002	0.38	0.27	6	3.0	225	1.24	0.18	19.0	0.45	1.02	3.8	124	1.8
200399021141		32.5	<0.002	0.09	0.34	2	1.8	299	0.19	0.07	6.2	0.35	0.32	2.2	106	0.9
200399021142		50.7	<0.002	0.04	0.61	1	0.8	600	0.42	<0.05	5.8	0.24	0.30	2.4	52	0.5
20[illegible]9021143		49.6	<0.002	0.04	0.66	2	0.8	624	0.27	<0.05	5.6	0.27	0.30	2.9	57	0.6
2[illegible]9021144		54.7	<0.002	0.05	0.55	2	1.0	608	0.25	<0.05	6.6	0.26	0.38	3.0	80	0.7
200399021145		67.1	<0.002	0.09	0.34	4	2.2	189.5	0.06	0.10	10.6	0.34	0.54	3.3	125	2.9
200399021146		91.1	<0.002	0.09	0.48	3	2.9	444	0.65	0.15	15.2	0.29	0.62	3.6	93	17.4
200399021147		44.0	<0.002	0.03	0.39	1	1.6	498	0.24	<0.05	4.8	0.26	0.25	1.8	94	1.3
200399021148		56.0	<0.002	0.07	0.33	1	4.2	260	0.29	0.08	7.3	0.28	0.40	1.9	154	5.9
200399021149		105.5	<0.002	0.08	0.37	2	4.1	247	0.61	0.16	15.8	0.21	0.65	3.2	148	4.2
200399021150		45.2	<0.002	0.05	0.28	2	3.4	122.5	0.18	0.15	2.7	0.19	0.34	0.9	245	2.1
200399021151		45.1	<0.002	0.05	0.23	2	3.2	118.0	0.23	0.16	3.0	0.19	0.34	0.9	248	2.3
200399021152		38.6	<0.002	0.02	0.31	1	2.5	393	0.23	<0.05	4.0	0.19	0.28	1.5	117	1.5
200399021153		27.8	<0.002	0.03	0.24	1	3.3	292	0.06	<0.05	2.8	0.16	0.16	1.2	134	2.8
200399021154		23.1	<0.002	0.01	0.27	1	3.7	160.0	0.18	0.06	1.7	0.14	0.15	0.6	196	5.2
200399021155		19.2	0.002	0.01	0.24	1	3.3	118.5	0.09	<0.05	1.5	0.15	0.11	0.5	202	2.4
200399021156		22.1	0.002	0.03	0.15	<1	2.7	111.5	0.11	<0.05	1.7	0.16	0.12	0.6	188	7.1
200399021157		39.6	0.002	0.02	0.34	1	0.5	572	<0.05	<0.05	5.2	0.23	0.18	2.2	40	0.4
200399021158		31.2	0.002	0.02	0.33	1	4.0	151.5	0.14	<0.05	4.3	0.23	0.21	1.0	200	12.6
200399021159		27.1	0.002	0.02	0.26	1	2.6	120.0	0.13	<0.05	3.6	0.23	0.17	0.9	213	6.8
200399021160		22.5	0.002	0.01	0.22	1	1.3	137.5	0.17	<0.05	2.7	0.21	0.11	0.7	223	0.9

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Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021161		10.6	0.002	0.02	0.10	<1	3.1	80.5	0.06	<0.05	0.9	0.17	0.04	0.3	248	0.7
200399021162		31.5	0.002	0.03	0.08	<1	2.6	122.0	0.08	<0.05	1.1	0.24	0.23	0.4	216	2.5
2[illegible]9021163		26.1	0.002	0.04	0.19	1	1.2	232	0.11	<0.05	2.6	0.21	0.14	1.0	156	4.4
2[illegible]9021164		26.8	0.002	0.03	0.14	1	2.3	125.5	0.09	<0.05	1.9	0.20	0.16	0.7	206	2.5
200399021165		36.3	0.002	0.01	0.14	<1	3.9	99.2	0.12	<0.05	1.8	0.22	0.27	0.8	228	6.1
200399021166		58.6	0.002	0.01	<0.05	1	3.2	58.8	0.07	<0.05	2.8	0.18	0.37	1.7	277	2.5
200399021167		187.5	0.002	0.02	0.15	1	10.5	265	<0.05	<0.05	13.1	0.18	1.05	8.4	73	1.8
200399021168		42.2	0.003	0.01	0.66	1	2.1	186.5	0.30	<0.05	8.5	0.33	0.28	2.0	182	6.8
200399021169		24.5	0.002	0.02	0.21	1	2.3	108.0	0.11	<0.05	3.0	0.20	0.11	0.8	209	3.1
200399021170		31.7	0.002	0.03	0.29	1	1.3	369	<0.05	<0.05	3.9	0.24	0.15	1.5	115	1.9
200399021171		27.9	0.002	0.04	0.23	1	3.2	228	<0.05	<0.05	3.0	0.20	0.13	1.1	146	2.9
200399021172		28.1	0.002	0.01	0.15	1	3.1	178.0	0.16	<0.05	3.0	0.21	0.17	0.9	170	1.4
200399021173		43.7	0.002	0.02	0.36	1	0.5	603	<0.05	<0.05	5.4	0.24	0.23	2.3	43	1.0
200399021174		84.3	0.002	0.06	0.16	2	6.8	187.5	0.35	<0.05	12.0	0.33	0.72	3.2	169	8.0
200399021175		114.5	0.003	0.10	0.20	4	7.4	211	0.53	0.10	17.7	0.29	0.80	4.3	161	5.8
200399021176		53.8	0.003	0.02	0.36	1	5.7	167.0	<0.05	<0.05	5.5	0.32	0.39	1.7	174	12.7
200399021177		47.9	0.002	0.04	0.43	1	3.6	342	<0.05	<0.05	5.9	0.31	0.34	2.1	135	2.4
200399021178		41.5	0.003	0.05	0.31	1	3.1	278	<0.05	<0.05	5.2	0.26	0.25	1.7	129	10.3
200399021179		41.8	<0.002	0.04	0.28	1	4.0	242	0.07	<0.05	3.7	0.25	0.27	1.4	148	2.8
200399021180		47.3	0.003	0.10	0.33	3	1.4	291	<0.05	<0.05	8.5	0.24	0.28	3.8	89	2.0
200399021181		42.6	0.002	0.02	0.38	1	0.6	547	<0.05	<0.05	5.5	0.26	0.20	2.3	45	0.5
200399021182		51.0	<0.002	0.06	0.43	2	4.1	191.0	<0.05	<0.05	9.4	0.41	0.39	2.4	147	3.0
20[illegible]9021183		43.4	0.002	0.03	0.35	2	0.5	580	<0.05	<0.05	5.6	0.24	0.23	2.6	43	0.4
2[illegible]9021184		27.5	0.002	0.05	0.11	1	5.4	193.5	<0.05	<0.05	2.6	0.30	0.15	1.2	123	1.6
200399021185		44.5	0.002	0.04	0.35	2	0.6	530	<0.05	<0.05	5.9	0.24	0.23	2.7	45	0.4
200399021186		51.0	0.002	0.03	0.40	1	0.8	560	<0.05	<0.05	6.3	0.23	0.24	2.6	40	0.5
200399021187		46.9	0.002	0.03	0.33	1	2.8	392	<0.05	<0.05	4.6	0.26	0.24	1.7	114	17.3
200399021188		40.2	0.002	0.05	0.32	1	0.8	603	<0.05	<0.05	5.4	0.33	0.26	2.5	78	0.7
200399021189		43.5	0.003	0.04	0.35	2	0.4	520	<0.05	<0.05	6.1	0.18	0.23	2.7	26	0.5
200399021190		45.9	0.002	0.15	0.37	4	1.9	161.5	0.09	<0.05	11.6	0.37	0.45	3.9	143	1.4
200399021191		61.2	0.003	0.05	0.32	2	2.6	313	0.06	<0.05	5.9	0.45	0.39	2.2	147	1.2
200399021192		46.3	0.004	0.08	0.19	2	2.7	193.0	0.05	<0.05	7.5	0.44	0.36	2.8	205	1.3
200399021193		52.3	0.002	0.01	0.39	2	1.3	515	<0.05	<0.05	6.4	0.27	0.30	2.3	48	0.6
200399021194		69.2	0.002	0.04	0.29	2	2.2	302	<0.05	<0.05	5.3	0.32	0.34	1.9	129	1.5
200399021195		97.4	0.003	0.09	0.27	2	2.5	293	<0.05	<0.05	6.3	0.40	0.42	2.4	143	1.2
200399021196		44.7	0.003	0.16	0.28	3	1.1	342	<0.05	<0.05	6.5	0.31	0.44	2.8	110	0.8
200399021197		42.6	0.003	0.07	0.30	3	1.1	291	<0.05	<0.05	7.6	0.26	0.30	3.5	75	1.0
200399021198		33.8	0.002	0.02	0.23	1	3.3	306	0.26	<0.05	3.8	0.21	0.21	1.4	136	3.0
200399021199		41.7	0.002	0.01	0.31	1	3.6	380	0.16	<0.05	5.1	0.30	0.24	1.8	94	2.9
200399021200		31.5	0.002	0.04	0.25	<1	1.9	248	0.29	<0.05	4.1	0.22	0.19	1.8	132	1.8

Comments: REE's may not be totally soluble in MS61 method.

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Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021201		30.9	0.002	0.04	0.23	1	2.0	226	0.31	<0.05	4.2	0.22	0.19	1.8	140	2.6
200399021202		46.5	0.002	0.05	0.36	3	1.4	425	<0.05	<0.05	5.8	0.26	0.29	2.8	66	1.9
2 `9021203		51.1	0.002	0.04	0.31	1	2.6	358	<0.05	<0.05	6.9	0.34	0.36	2.3	96	2.0
2 9021204		37.0	0.002	0.02	0.29	1	5.9	388	<0.05	<0.05	3.9	0.21	0.21	1.6	117	2.4
200399021205		34.1	0.002	0.02	0.21	1	4.8	284	<0.05	<0.05	3.7	0.21	0.24	1.3	136	2.1
200399021206		37.7	0.002	0.01	0.19	1	5.2	234	0.27	<0.05	3.2	0.22	0.26	1.1	153	4.6
200399021207		45.3	0.003	0.04	0.38	2	0.5	549	<0.05	<0.05	5.7	0.21	0.31	2.7	38	3.1
200399021208		23.6	<0.002	0.01	0.18	1	3.3	338	0.13	<0.05	2.3	0.19	0.16	0.9	135	2.6
200399021209		43.6	0.002	0.01	0.48	1	4.1	605	0.31	<0.05	5.2	0.28	0.23	2.2	57	0.6
200399021210		58.2	0.002	0.04	0.10	1	10.2	143.0	0.32	<0.05	7.1	0.18	0.48	1.6	179	15.8
200399021211		57.6	0.002	0.03	0.29	1	4.2	229	0.39	<0.05	6.9	0.35	0.41	1.8	151	4.1
200399021212		40.1	0.002	0.03	0.27	1	4.8	291	0.18	<0.05	4.8	0.30	0.26	1.6	121	4.7
200399021213		35.5	0.002	0.03	0.31	1	2.4	323	0.28	<0.05	4.4	0.23	0.21	1.5	119	3.5
200399021214		26.4	0.002	0.07	0.19	1	3.1	170.0	0.18	<0.05	2.8	0.19	0.21	4.1	162	18.6
200399021215		43.6	0.002	0.01	0.43	1	2.1	496	0.28	<0.05	5.0	0.23	0.23	2.1	60	2.9
200399021216		40.7	0.002	0.03	0.46	1	0.9	603	<0.05	<0.05	5.2	0.26	0.23	2.4	45	2.0
200399021217		33.0	0.002	0.01	0.31	1	3.7	313	0.29	<0.05	3.7	0.27	0.20	1.4	150	2.6
200399021218		27.8	<0.002	0.02	0.25	<1	2.1	217	0.24	<0.05	2.9	0.24	0.18	1.1	182	4.4
200399021219		62.5	0.008	0.06	0.27	3	4.0	266	0.11	<0.05	9.5	0.28	0.53	7.2	122	7.2
200399021220		38.8	0.006	0.09	0.46	3	1.0	555	0.13	<0.05	6.1	0.24	0.37	8.1	46	3.2
200399021221		86.2	0.007	0.04	0.19	2	5.6	211	0.56	<0.05	10.6	0.29	0.67	7.7	151	9.3
200399021222		93.7	0.004	0.03	0.16	2	5.4	187.5	0.51	<0.05	10.4	0.29	0.67	4.8	131	6.0
2 99021223		96.6	0.002	0.05	0.22	1	4.3	246	0.08	<0.05	8.6	0.33	0.71	3.2	95	2.1
2 .9021224		144.5	0.002	0.03	0.16	1	6.1	213	0.34	<0.05	10.8	0.36	0.89	3.4	108	1.6
200399021225		127.5	0.002	0.02	0.21	1	5.7	304	0.19	<0.05	9.1	0.35	0.78	2.8	101	1.1
200399021226		123.5	0.003	0.02	0.20	1	6.2	257	0.39	<0.05	10.2	0.34	0.78	3.2	88	24.5
200399021227		58.9	0.002	0.01	0.44	2	1.4	546	0.05	<0.05	5.7	0.24	0.37	2.5	42	0.7
200399021228		114.0	0.002	0.02	0.35	1	4.5	327	0.41	<0.05	8.6	0.29	0.66	3.2	80	1.5
200399021229		53.0	0.002	0.02	0.41	1	0.8	553	<0.05	<0.05	6.0	0.23	0.31	2.9	39	0.6
200399021230		88.8	0.002	0.01	0.16	1	5.2	235	0.21	<0.05	8.5	0.28	0.54	2.1	116	2.3
200399021231		102.0	<0.002	0.01	<0.05	1	3.1	179.0	<0.05	<0.05	8.5	0.30	0.63	2.0	105	<0.1
200399021232		93.8	0.002	0.01	0.11	1	4.7	227	0.09	<0.05	9.0	0.39	0.65	2.4	104	0.9
200399021233		72.2	0.002	0.01	0.25	1	4.2	273	0.21	<0.05	6.7	0.35	0.46	1.9	127	20.9
200399021234		89.6	0.002	0.01	0.10	1	3.0	177.5	<0.05	<0.05	7.8	0.27	0.66	2.2	104	0.1
200399021235		46.9	0.002	0.01	0.39	2	0.6	568	<0.05	<0.05	5.9	0.24	0.27	2.6	36	0.5
200399021236		96.6	0.003	0.02	0.14	1	5.4	125.0	0.28	<0.05	9.9	0.20	0.63	30.3	162	10.5
200399021237		88.0	0.002	0.02	0.15	<1	4.9	115.0	0.24	<0.05	8.6	0.20	0.56	9.6	166	16.9
200399021238		97.8	0.002	0.01	0.11	1	5.1	110.5	0.20	<0.05	9.8	0.20	0.58	7.5	165	18.8
200399021239		62.6	0.003	0.03	0.18	2	5.7	148.5	0.28	<0.05	8.2	0.20	0.59	34.5	154	3.7
200399021240		116.0	0.002	<0.01	0.07	1	5.9	162.0	0.06	<0.05	12.0	0.34	0.67	2.3	104	0.2

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200399021241		81.8	<0.002	0.01	0.20	1	4.7	224	0.28	<0.05	7.2	0.34	0.51	2.0	151	2.5
200399021242		24.2	<0.002	0.02	0.27	1	2.0	158.5	0.26	0.08	2.4	0.42	0.21	0.8	297	1.0
2[illegible]9021243		22.9	0.002	0.01	0.14	1	2.9	141.0	0.23	<0.05	1.8	0.33	0.14	0.6	273	1.4
2[illegible]9021244		39.1	0.002	<0.01	0.15	<1	3.9	180.0	0.30	<0.05	4.5	0.33	0.27	1.0	170	3.4
200399021245		10.4	0.002	<0.01	0.05	1	20.9	59.2	0.08	<0.05	0.7	0.12	0.07	0.3	206	0.5
200399021246		33.2	0.002	0.01	0.23	<1	2.5	249	0.34	<0.05	4.0	0.28	0.23	1.2	155	1.2
200399021247		18.8	0.002	0.01	0.10	<1	1.3	150.0	0.19	<0.05	1.6	0.20	0.15	0.6	217	1.1
200399021248		4.3	0.002	<0.01	0.05	<1	0.4	150.0	0.08	<0.05	0.6	0.23	<0.02	0.2	247	0.3
200399021249		8.1	0.002	0.01	0.07	<1	0.6	84.5	0.09	<0.05	1.3	0.22	0.02	0.4	277	0.3
200399021250		12.6	0.002	0.01	0.13	1	0.9	109.5	0.17	<0.05	1.6	0.33	0.08	0.5	272	0.7
200399021251		12.9	<0.002	0.01	0.12	<1	0.8	124.0	0.17	<0.05	1.6	0.32	0.08	0.5	259	0.7
200399021252		8.8	<0.002	0.02	0.11	1	0.8	44.8	0.15	<0.05	1.2	0.22	0.04	0.5	299	0.8
200399021253		12.2	0.002	0.02	0.13	1	1.7	77.3	0.17	<0.05	1.6	0.25	0.06	0.6	243	3.3

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CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399020021		9.5	70	47.3	370
200399020022		14.8	80	32.0	280
[illegible]9020023		20.4	73	17.1	340
20[illegible]9020024		7.7	76	26.5	360
200399020025		9.3	96	34.7	510
200399020026		7.9	102	31.8	810
200399020027		6.7	57	39.5	450
200399020028		7.4	82	52.7	560
200399020029		7.2	55	77.3	460
200399020030		9.1	57	71.0	390
200399020031		7.7	59	42.6	230
200399020032		5.8	75	45.0	400
200399020033		6.8	76	44.5	570
200399020034		6.1	54	131.5	400
200399020035		6.9	64	35.0	180
200399020036		6.4	69	58.8	330
200399020037		7.4	59	24.3	150
200399020038		6.4	85	29.0	380
200399020039		5.7	54	64.6	490
200399020040		5.9	67	50.3	550
200399020041		8.2	70	44.0	440
200399020042		6.5	63	88.5	430
2[illegible]9020043		6.4	72	28.6	440
[illegible],9020044		6.1	66	19.7	260
200399020045		6.0	54	31.6	230
200399020046		5.2	55	34.0	470
200399020047		6.7	54	14.4	290
200399020048		8.9	66	21.1	250
200399020049		7.4	69	8.8	340
200399020050		8.5	88	6.1	440
200399020051		9.8	104	48.6	470
200399020052		9.4	67	56.7	420
200399020053		7.1	45	38.3	320
200399020054		7.6	55	113.0	420
200399020055		10.2	70	41.5	420
200399020056		12.8	71	41.5	450
200399020057		9.0	110	55.2	490
200399020058		8.1	58	28.6	130
200399020059		9.9	76	39.1	380
200399020060		8.4	66	26.9	390

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399020061		6.0	49	39.5	350
200399020062		6.7	74	33.6	470
2)020063		7.1	112	11.4	660
2( )9020064		10.8	71	33.8	440
200399020065		8.4	70	27.2	230
200399020066		7.8	99	31.3	290
200399020067		11.4	77	36.7	420
200399020068		9.2	95	27.4	310
200399020069		6.7	87	19.0	160
200399020070		8.9	84	47.9	340
200399020071		8.0	90	35.1	380
200399020072		9.7	87	44.1	370
200399020073		12.7	103	38.4	390
200399020074		7.8	106	24.6	270
200399020075		8.5	81	24.6	300
200399020076		7.7	85	14.2	190
200399021137		17.2	294	16.6	710
200399021138		21.4	270	49.4	640
200399021139		16.3	192	69.7	570
200399021140		18.4	162	51.4	600
200399021141		12.2	100	15.6	430
200399021142		6.6	59	136.5	340
2( )9021143		12.4	58	116.5	340
2)021144		8.0	83	113.0	360
200399021145		13.0	93	13.0	440
200399021146		17.6	99	69.0	400
200399021147		6.8	65	92.3	370
200399021148		9.7	103	45.5	540
200399021149		22.1	112	58.1	510
200399021150		8.0	204	16.8	490
200399021151		8.4	216	19.0	420
200399021152		7.0	73	70.7	400
200399021153		5.9	63	17.0	470
200399021154		5.8	75	17.8	470
200399021155		6.3	67	13.3	430
200399021156		6.1	61	15.3	360
200399021157		5.9	48	13.9	280
200399021158		8.8	77	23.8	430
200399021159		8.1	68	20.6	340
200399021160		8.2	73	18.7	200

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Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021161		7.0	77	8.2	250
200399021162		8.6	94	11.0	320
2 9021163		7.3	72	54.3	260
2 9021164		8.1	91	28.9	210
200399021165		9.4	85	16.8	340
200399021166		8.1	80	12.8	290
200399021167		6.7	63	32.3	660
200399021168		12.8	72	41.7	290
200399021169		7.9	66	24.3	270
200399021170		7.1	58	30.5	330
200399021171		7.1	56	15.8	380
200399021172		6.5	51	44.0	430
200399021173		6.8	48	22.2	350
200399021174		13.8	115	55.9	640
200399021175		42.0	137	54.7	710
200399021176		7.6	77	13.1	460
200399021177		8.9	80	11.4	470
200399021178		7.4	67	14.9	460
200399021179		6.9	80	48.0	450
200399021180		25.6	63	8.9	410
200399021181		6.6	49	47.6	510
200399021182		15.1	94	11.7	330
20 9021183		14.7	49	23.8	330
2 9021184		7.7	83	9.3	370
200399021185		12.2	48	22.1	290
200399021186		7.2	50	33.3	310
200399021187		7.0	72	40.3	370
200399021188		8.9	61	15.1	360
200399021189		10.3	46	13.2	330
200399021190		19.7	167	9.7	430
200399021191		11.6	108	28.5	350
200399021192		18.4	162	24.9	530
200399021193		7.0	54	48.9	320
200399021194		8.7	68	14.4	270
200399021195		12.0	114	72.6	350
200399021196		11.0	106	11.2	370
200399021197		27.4	68	7.5	300
200399021198		7.8	67	64.7	370
200399021199		6.9	51	78.4	420
200399021200		14.2	85	62.7	380

Comments: REE's may not be totally soluble in MS61 method.

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North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021201		14.2	91	59.5	380
200399021202		31.8	55	14.7	330
2[illegible]9021203		9.1	68	11.0	400
2[illegible]9021204		6.9	61	36.9	440
200399021205		6.5	56	31.6	470
200399021206		6.4	58	59.1	410
200399021207		8.4	49	15.1	340
200399021208		6.6	47	56.0	300
200399021209		6.5	54	150.0	410
200399021210		11.8	102	31.8	740
200399021211		8.7	76	72.3	380
200399021212		7.0	64	73.1	430
200399021213		6.6	63	90.4	380
200399021214		8.2	69	39.4	400
200399021215		6.3	50	141.0	330
200399021216		6.8	50	31.2	230
200399021217		7.6	60	87.9	300
200399021218		7.1	100	58.1	220
200399021219		16.4	88	33.4	520
200399021220		15.7	45	131.0	380
200399021221		18.2	112	63.3	630
200399021222		14.9	87	56.6	590
2[illegible]9021223		10.4	65	18.3	490
2[illegible]9021224		10.8	67	68.6	540
200399021225		8.4	75	90.7	610
200399021226		9.0	52	76.5	560
200399021227		6.2	51	51.3	400
200399021228		8.0	63	92.6	550
200399021229		6.3	52	30.9	390
200399021230		8.0	56	62.5	390
200399021231		9.4	62	47.8	440
200399021232		10.4	40	67.6	350
200399021233		8.8	51	70.6	390
200399021234		10.1	56	50.7	450
200399021235		6.3	47	46.8	340
200399021236		11.4	66	40.6	420
200399021237		8.1	88	32.9	420
200399021238		8.4	69	34.4	400
200399021239		17.3	128	45.8	470
200399021240		8.4	36	58.6	340

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 31-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026136

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200399021241		9.6	62	49.2	370
200399021242		5.2	136	39.5	140
[illegible]9021243		9.3	150	24.0	180
2[illegible]9021244		8.2	51	34.3	250
200399021245		5.3	86	12.4	470
200399021246		7.6	88	58.4	250
200399021247		7.7	67	17.0	120
200399021248		8.5	63	8.4	60
200399021249		9.9	108	12.5	90
200399021250		10.8	84	20.0	100
200399021251		10.6	83	21.2	100
200399021252		10.8	147	15.0	110
200399021253		9.0	79	18.7	120

Comments: REE's may not be totally soluble in MS61 method.

APPENDIX E - ANALYTICAL CERTIFICATES - LITHOGEOCHEMISTRY

True North Gems Inc - Regal Ridge Project
Drill Hole Geochemical Samples

Hole ID	From	To	Sample Number
DDH03-01	6.63	6.73	200303040001
DDH03-01	6.73	6.83	200303040002
DDH03-01	6.83	6.93	200303040003
DDH03-01	6.93	7.03	200303040004
DDH03-01	7.03	7.13	200303040005
DDH03-01	7.13	7.23	200303040006
DDH03-01	7.23	7.33	200303040007
DDH03-01	7.33	7.43	200303040008
DDH03-01	7.43	7.53	200303040009
DDH03-01	7.53	7.63	200303040010
DDH03-01	7.63	7.73	200303040011
DDH03-01	7.73	7.83	200303040012
DDH03-01	7.83	7.93	200303040013
DDH03-01	7.93	8.03	200303040014
DDH03-01	8.03	8.13	200303040015
DDH03-01	8.13	8.23	200303040016
DDH03-01	8.23	8.33	200303040017
DDH03-01	8.33	8.43	200303040018
DDH03-01	8.43	8.53	200303040019
DDH03-01	8.53	8.63	200303040020
DDH03-01	8.63	8.73	200303040021
DDH03-01	8.73	8.83	200303040022
DDH03-01	8.83	8.93	200303040023
DDH03-01	8.93	9.03	200303040024
DDH03-01	9.03	9.13	200303040025
DDH03-01	9.13	9.33	200303040026
DDH03-01	9.33	9.43	200303040027
DDH03-01	9.43	9.53	200303040028
DDH03-01	9.53	9.63	200303040029
DDH03-01	9.63	9.73	200303040030
DDH03-01	15.75	15.85	200303040031
DDH03-01	15.85	15.95	200303040032
DDH03-01	15.95	16.05	200303040033
DDH03-01	16.05	16.15	200303040034
DDH03-01	16.15	16.25	200303040035
DDH03-01	16.25	16.35	200303040036
DDH03-01	16.35	16.45	200303040037
DDH03-01	16.45	16.55	200303040038
DDH03-01	16.55	16.65	200303040039
DDH03-01	16.65	16.75	200303040040
DDH03-01	16.75	16.85	200303040041
DDH03-01	16.85	16.95	200303040042
DDH03-01	16.95	17.05	200303040043
DDH03-01	17.05	17.15	200303040044
DDH03-01	17.15	17.25	200303040045
DDH03-01	17.25	17.35	200303040046
DDH03-01	17.35	17.45	200303040047
DDH03-01	17.45	17.55	200303040048
DDH03-01	17.55	17.65	200303040049
DDH03-02	4.58	4.68	200303040050
DDH03-02	4.68	4.78	200303040051
DDH03-02	4.78	4.88	200303040052
DDH03-02	4.88	4.98	200303040053
DDH03-02	4.98	5.08	200303040054
DDH03-02	5.08	5.18	200303040055
DDH03-02	5.18	5.28	200303040056
DDH03-02	5.28	5.38	200303040057
DDH03-02	5.38	5.48	200303040058
DDH03-02	5.48	5.58	200303040059
DDH03-02	5.58	5.68	200303040060
DDH03-02	5.68	5.78	200303040061
DDH03-02	5.78	5.88	200303040062
DDH03-02	5.88	5.98	200303040063

Hole ID	From	To	Sample Number
DDH03-02	5.98	6.08	200303040064
DDH03-02	6.08	6.18	200303040065
DDH03-02	6.18	6.28	200303040066
DDH03-02	6.28	6.38	200303040067
DDH03-02	6.38	6.48	200303040068
DDH03-02	6.48	6.58	200303040069
DDH03-02	6.58	6.68	200303040070
DDH03-02	6.68	6.78	200303040071
DDH03-02	6.78	6.88	200303040072
DDH03-02	6.88	6.98	200303040073
DDH03-02	6.98	7.08	200303040074
DDH03-02	7.08	7.18	200303040075
DDH03-02	7.18	7.28	200303040076
DDH03-02	7.28	7.38	200303040077
DDH03-02	7.38	7.48	200303040078
DDH03-02	7.48	7.58	200303040079
DDH03-02	7.58	7.68	200303040080
DDH03-02	7.68	7.78	200303040081
DDH03-02	7.78	7.88	200303040082
DDH03-02	7.88	7.98	200303040083
DDH03-02	7.98	8.08	200303040084
DDH03-02	8.08	8.18	200303040085
DDH03-02	8.18	8.28	200303040086
DDH03-02	8.28	8.38	200303040087
DDH03-02	8.38	8.48	200303040088
DDH03-02	8.48	8.58	200303040089
DDH03-02	8.58	8.68	200303040090
DDH03-02	8.68	8.78	200303040091
DDH03-02	8.78	8.88	200303040092
DDH03-02	8.88	8.98	200303040093
DDH03-02	8.98	9.08	200303040094
DDH03-02	17.17	17.27	200303040095
DDH03-02	17.27	17.37	200303040096
DDH03-02	17.37	17.47	200303040097
DDH03-02	17.47	17.57	200303040098
DDH03-02	17.57	17.67	200303040099
DDH03-02	17.67	17.77	200303040100
DDH03-02	17.77	17.87	200303040101
DDH03-02	17.87	17.97	200303040102
DDH03-02	17.97	18.07	200303040103
DDH03-02	18.07	18.17	200303040104
DDH03-02	18.17	18.27	200303040105
DDH03-02	18.27	18.37	200303040106
DDH03-02	18.37	18.47	200303040107
DDH03-02	18.47	18.57	200303040108
DDH03-02	18.57	18.67	200303040109
DDH03-02	18.67	18.77	200303040110
DDH03-02	18.77	18.87	200303040111
DDH03-02	18.87	18.97	200303040112
DDH03-02	18.97	19.07	200303040113
DDH03-02	19.07	19.17	200303040114
DDH03-02	19.17	19.27	200303040115
DDH03-02	19.27	19.37	200303040116
DDH03-02	19.37	19.47	200303040117
DDH03-02	19.47	19.57	200303040118
DDH03-02	19.57	19.67	200303040119
DDH03-02	19.67	19.77	200303040120
DDH03-02	19.77	19.87	200303040121
DDH03-02	19.87	19.97	200303040122
DDH03-02	25.61	25.71	200303040123
DDH03-02	25.71	25.81	200303040124
DDH03-02	25.81	25.91	200303040125
DDH03-02	25.91	26.01	200303040126

True North Gems Inc - Regal Ridge Project
Drill Hole Geochemical Samples

Hole ID	From	To	Sample Number
DDH03-02	26.01	26.11	200303040127
DDH03-02	26.11	26.21	200303040128
DDH03-02	26.21	26.31	200303040129
DDH03-02	26.31	26.41	200303040130
DDH03-02	26.41	26.51	200303040131
DDH03-02	26.51	26.61	200303040132
DDH03-02	26.61	26.71	200303040133
DDH03-02	26.71	26.81	200303040134
DDH03-02	26.81	26.91	200303040135
DDH03-02	26.91	27.01	200303040136
DDH03-02	27.01	27.11	200303040137
DDH03-02	27.11	27.21	200303040138
DDH03-02	27.21	27.31	200303040139
DDH03-02	27.31	27.41	200303040140
DDH03-02	27.41	27.51	200303040141
DDH03-02	27.51	27.61	200303040142
DDH03-02	14.74	14.85	200303040143
DDH03-03	9.90	10.00	200303040144
DDH03-03	10.00	10.10	200303040145
DDH03-03	10.10	10.20	200303040146
DDH03-03	10.20	10.30	200303040147
DDH03-03	10.30	10.40	200303040148
DDH03-03	10.40	10.50	200303040149
DDH03-03	10.50	10.70	200303040150
DDH03-03	10.70	10.80	200303040151
DDH03-03	10.80	10.90	200303040152
DDH03-03	10.90	11.00	200303040153
DDH03-03	11.00	11.30	200303040154
DDH03-03	11.30	11.40	200303040155
DDH03-03	11.40	11.50	200303040156
DDH03-03	11.50	11.60	200303040157
DDH03-03	11.60	11.70	200303040158
DDH03-03	11.70	11.80	200303040159
DDH03-03	11.80	11.90	200303040160
DDH03-03	11.90	12.00	200303040161
DDH03-03	12.00	12.10	200303040162
DDH03-03	12.10	12.20	200303040163
DDH03-03	12.20	12.30	200303040164
DDH03-03	12.30	12.40	200303040165
DDH03-03	19.30	19.40	200303040166
DDH03-03	19.40	19.50	200303040167
DDH03-03	19.50	19.60	200303040168
DDH03-03	19.60	19.70	200303040169
DDH03-03	19.70	19.80	200303040170
DDH03-03	19.80	19.90	200303040171
DDH03-03	19.90	20.00	200303040172
DDH03-03	20.00	20.10	200303040173
DDH03-03	20.10	20.20	200303040174
DDH03-03	20.20	20.30	200303040175
DDH03-03	20.30	20.40	200303040176
DDH03-03	20.40	20.50	200303040177
DDH03-03	20.50	20.60	200303040178
DDH03-03	20.60	20.70	200303040179
DDH03-03	20.70	20.80	200303040180
DDH03-03	20.80	20.90	200303040181
DDH03-03	20.90	21.00	200303040182
DDH03-03	21.00	21.10	200303040183
DDH03-03	21.10	21.20	200303040184
DDH03-03	21.20	21.30	200303040185
DDH03-04	7.14	7.24	200303040186
DDH03-04	7.24	7.34	200303040187
DDH03-04	7.34	7.44	200303040188

Hole ID	From	To	Sample Number
DDH03-04	7.44	7.54	200303040189
DDH03-04	7.54	7.64	200303040190
DDH03-04	7.64	7.74	200303040191
DDH03-04	7.74	7.84	200303040192
DDH03-04	7.84	7.94	200303040193
DDH03-04	7.94	8.04	200303040194
DDH03-04	8.04	8.14	200303040195
DDH03-04	8.36	8.46	200303040196
DDH03-04	8.46	8.56	200303040197
DDH03-04	8.56	8.66	200303040198
DDH03-04	8.66	8.76	200303040199
DDH03-04	8.76	8.86	200303040200
DDH03-04	8.86	8.96	200303040201
DDH03-04	8.96	9.06	200303040202
DDH03-04	9.06	9.16	200303040203
DDH03-04	9.16	9.26	200303040204
DDH03-04	9.26	9.36	200303040205
DDH03-04	9.36	9.46	200303040206
DDH03-04	9.46	9.56	200303040207
DDH03-04	9.56	9.66	200303040208
DDH03-04	9.66	9.76	200303040209
DDH03-04	9.76	9.86	200303040210
DDH03-04	9.86	9.96	200303040211
DDH03-04	9.96	10.06	200303040212
DDH03-04	10.06	10.16	200303040213
DDH03-04	10.16	10.26	200303040214
DDH03-04	12.92	13.02	200303040215
DDH03-04	13.02	13.22	200303040216
DDH03-04	13.22	13.32	200303040217
DDH03-04	13.32	13.42	200303040218
DDH03-04	13.42	13.52	200303040219
DDH03-04	13.52	13.62	200303040220
DDH03-04	13.62	13.72	200303040221
DDH03-04	13.72	13.82	200303040222
DDH03-04	13.82	13.92	200303040223
DDH03-04	13.92	14.02	200303040224
DDH03-04	14.02	14.12	200303040225
DDH03-04	14.12	14.22	200303040226
DDH03-04	17.89	17.99	200303040227
DDH03-04	17.99	18.09	200303040228
DDH03-04	18.09	18.19	200303040229
DDH03-04	18.19	18.29	200303040230
DDH03-04	18.29	18.39	200303040231
DDH03-04	18.39	18.49	200303040232
DDH03-04	18.49	18.59	200303040233
DDH03-04	18.59	18.69	200303040234
DDH03-05	10.83	10.93	200303040235
DDH03-05	10.93	11.03	200303040236
DDH03-05	11.03	11.13	200303040237
DDH03-05	11.13	11.23	200303040238
DDH03-05	11.23	11.33	200303040239
DDH03-05	11.33	11.43	200303040240
DDH03-05	11.43	11.53	200303040241
DDH03-05	11.53	11.63	200303040242
DDH03-05	11.63	14.52	200303040243
DDH03-05	14.52	14.62	200303040244
DDH03-05	14.62	14.72	200303040245
DDH03-05	14.72	14.82	200303040246
DDH03-05	14.82	14.92	200303040247
DDH03-05	14.92	15.02	200303040248
DDH03-05	15.02	15.12	200303040249
DDH03-05	15.12	15.22	200303040250

True North Gems Inc - Regal Ridge Project
Drill Hole Geochemical Samples

Hole ID	From	To	Sample Number
DDH03-05	15.22	15.32	200303040251
DDH03-05	15.32	15.42	200303040252
DDH03-05	15.42	15.52	200303040253
DDH03-05	15.52	15.62	200303040254
DDH03-05	15.62	15.72	200303040255
DDH03-05	15.72	15.82	200303040256
DDH03-05	15.82	15.92	200303040257
DDH03-05	15.92	16.02	200303040258
DDH03-05	16.02	16.12	200303040259
DDH03-05	16.12	16.22	200303040260
DDH03-05	16.22	16.32	200303040261
DDH03-05	16.32	16.42	200303040262
DDH03-05	16.42	16.52	200303040263
DDH03-05	16.52	16.62	200303040264
DDH03-05	16.62	16.72	200303040265
DDH03-06	9.44	9.54	200303040266
DDH03-06	9.54	9.64	200303040267
DDH03-06	9.64	9.74	200303040268
DDH03-06	9.74	9.84	200303040269
DDH03-06	9.84	9.94	200303040270
DDH03-06	9.94	10.04	200303040271
DDH03-06	10.04	10.14	200303040272
DDH03-06	10.14	10.24	200303040273
DDH03-06	10.24	10.34	200303040274
DDH03-06	10.34	10.44	200303040275
DDH03-06	10.44	10.54	200303040276
DDH03-06	10.54	10.64	200303040277
DDH03-06	10.64	10.74	200303040278
DDH03-06	10.74	10.84	200303040279
DDH03-06	10.84	10.94	200303040280
DDH03-06	10.94	11.04	200303040281
DDH03-06	11.04	11.14	200303040282
DDH03-06	11.14	11.24	200303040283
DDH03-06	11.24	11.34	200303040284
DDH03-06	11.34	11.44	200303040285
DDH03-06	11.44	11.54	200303040286
DDH03-06	11.54	11.64	200303040287
DDH03-06	13.07	13.17	200303040288
DDH03-06	13.17	13.27	200303040289
DDH03-06	13.27	13.37	200303040290
DDH03-06	13.37	13.47	200303040291
DDH03-06	13.47	13.57	200303040292
DDH03-06	13.57	13.67	200303040293
DDH03-06	13.67	13.77	200303040294
DDH03-06	13.77	13.87	200303040295
DDH03-06	13.87	13.97	200303040296
DDH03-06	13.97	14.07	200303040297
DDH03-06	14.07	14.17	200303040298
DDH03-06	14.17	14.27	200303040299
DDH03-06	19.80	19.90	200303040300
DDH03-06	19.90	20.00	200303040301
DDH03-06	20.00	20.10	200303040302
DDH03-06	20.10	20.20	200303040303
DDH03-06	20.20	20.30	200303040304
DDH03-06	20.30	20.40	200303040305
DDH03-06	20.40	20.50	200303040306
DDH03-06	20.50	20.60	200303040307
DDH03-06	20.60	20.70	200303040309
DDH03-06	20.70	20.80	200303040310
DDH03-06	20.80	20.90	200303040311
DDH03-06	20.90	21.00	200303040312
DDH03-06	21.00	21.10	200303040313

Hole ID	From	To	Sample Number
DDH03-06	21.10	21.20	200303040314
DDH03-06	21.20	21.30	200303040315
DDH03-06	21.30	21.40	200303040316
DDH03-06	21.40	21.50	200303040317
DDH03-07	5.32	5.42	200303040318
DDH03-07	5.42	5.52	200303040319
DDH03-07	5.52	5.62	200303040320
DDH03-07	5.62	5.72	200303040321
DDH03-07	5.72	5.82	200303040322
DDH03-07	5.82	5.92	200303040323
DDH03-07	5.92	6.02	200303040324
DDH03-07	6.02	6.12	200303040325
DDH03-07	6.12	6.22	200303040326
DDH03-07	6.22	6.32	200303040327
DDH03-07	6.32	6.42	200303040328
DDH03-07	6.42	6.52	200303040329
DDH03-07	6.52	6.62	200303040330
DDH03-07	6.62	6.72	200303040331
DDH03-07	6.72	6.82	200303040332
DDH03-07	6.82	6.92	200303040333
DDH03-07	6.92	7.02	200303040334
DDH03-07	7.02	7.12	200303040335
DDH03-07	7.12	7.22	200303040336
DDH03-07	7.22	7.32	200303040337
DDH03-07	27.50	27.60	200303040338
DDH03-07	27.60	27.70	200303040339
DDH03-07	27.70	27.80	200303040340
DDH03-07	27.80	27.90	200303040341
DDH03-07	27.90	28.00	200303040342
DDH03-07	28.00	28.10	200303040343
DDH03-07	28.10	28.20	200303040344
DDH03-07	28.20	28.30	200303040345
DDH03-07	28.30	28.40	200303040346
DDH03-07	28.40	28.50	200303040347
DDH03-07	28.50	28.60	200303040348
DDH03-07	28.60	28.70	200303040349
DDH03-07	28.70	28.80	200303040350
DDH03-07	28.80	28.90	200303040351
DDH03-07	28.90	29.00	200303040352
DDH03-07	29.00	29.10	200303040353
DDH03-07	29.10	29.20	200303040354
DDH03-07	29.20	29.30	200303040355
DDH03-07	29.30	29.40	200303040356
DDH03-07	29.40	29.50	200303040357
DDH03-08	0.99	1.09	200303040358
DDH03-08	1.09	1.19	200303040359
DDH03-08	1.19	1.29	200303040360
DDH03-08	1.29	1.39	200303040361
DDH03-08	1.39	1.49	200303040362
DDH03-08	1.49	1.59	200303040363
DDH03-08	3.80	3.90	200303040364
DDH03-08	3.90	4.00	200303040365
DDH03-08	4.00	4.10	200303040366
DDH03-08	4.10	4.20	200303040367
DDH03-08	4.20	4.30	200303040368
DDH03-08	4.30	4.40	200303040369
DDH03-08	4.40	4.50	200303040370
DDH03-08	4.50	4.60	200303040371
DDH03-08	4.60	4.70	200303040372
DDH03-08	8.34	8.44	200303040373
DDH03-08	8.44	8.54	200303040374
DDH03-08	8.54	8.64	200303040375

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Hole ID	From	To	Sample Number
DDH03-08	8.64	8.74	200303040376
DDH03-08	8.74	8.84	200303040377
DDH03-08	8.84	8.94	200303040378
DDH03-08	8.94	9.04	200303040379
DDH03-08	9.04	9.14	200303040380
DDH03-08	9.14	9.24	200303040381
DDH03-08	9.24	9.34	200303040382
DDH03-08	26.83	26.93	200303040383
DDH03-08	26.93	27.03	200303040384
DDH03-08	27.03	27.13	200303040385
DDH03-08	27.13	27.23	200303040386
DDH03-08	27.23	27.33	200303040387
DDH03-08	27.33	27.43	200303040388
DDH03-08	27.43	27.53	200303040389
DDH03-08	27.53	27.63	200303040390
DDH03-08	27.63	27.73	200303040391
DDH03-08	27.73	27.83	200303040392
DDH03-08	27.83	27.93	200303040393
DDH03-08	27.93	28.03	200303040394
DDH03-08	28.03	28.13	200303040395
DDH03-08	28.13	28.23	200303040396
DDH03-08	28.23	28.33	200303040397
DDH03-08	28.33	28.43	200303040398
DDH03-08	28.43	28.53	200303040399
DDH03-09	7.96	8.06	200303040400
DDH03-09	38.92	39.05	200303040401
DDH03-09	62.17	62.32	200303040402
DDH03-09	62.32	62.40	200303040403
DDH03-09	79.29	79.45	200303040404
DDH03-09	79.45	79.62	200303040405
DDH03-09	79.88	79.98	200303040406
DDH03-09	79.98	80.08	200303040407
DDH03-09	80.08	80.18	200303040408
DDH03-09	80.18	80.28	200303040409
DDH03-09	121.94	122.13	200303040410
DDH03-09	137.00	137.10	200303040411
DDH03-09	142.69	142.79	200303040412
DDH03-10	15.28	15.48	200303030413
DDH03-10	15.48	15.56	200303030414
DDH03-10	15.56	15.76	200303030415
DDH03-10	16.00	16.46	200303030416
DDH03-10	16.75	16.95	200303030417
DDH03-10	16.95	17.05	200303030418
DDH03-10	17.05	17.55	200303030419
DDH03-10	17.55	17.98	200303030420
DDH03-10	17.98	18.08	200303030421
DDH03-10	18.08	18.28	200303030422
DDH03-10	18.28	18.48	200303030423
DDH03-10	18.48	18.68	200303030424
DDH03-10	18.68	18.88	200303030425
DDH03-10	18.88	19.08	200303030426
DDH03-10	22.05	22.25	200303030427
DDH03-10	22.25	22.45	200303030428
DDH03-10	22.45	22.65	200303030429
DDH03-10	22.65	22.85	200303030430
DDH03-10	22.85	23.05	200303030431
DDH03-10	23.05	23.20	200303030432
DDH03-10	23.20	23.40	200303030433
DDH03-10	23.40	23.60	200303030434
DDH03-10	23.60	23.70	200303030435
DDH03-10	23.70	23.90	200303030436
DDH03-10	23.90	24.10	200303030437

Hole ID	From	To	Sample Number
DDH03-10	24.10	24.30	200303030438
DDH03-10	24.30	24.50	200303030439
DDH03-10	24.50	24.70	200303030440
DDH03-10	24.70	24.90	200303030441
DDH03-10	24.90	25.10	200303030442
DDH03-10	25.10	25.30	200303030443
DDH03-10	25.30	25.50	200303030444
DDH03-10	25.50	25.70	200303030445
DDH03-10	25.70	25.90	200303030446
DDH03-10	25.90	26.10	200303030447
DDH03-10	26.10	26.30	200303030448
DDH03-10	26.30	26.50	200303030449
DDH03-10	26.50	26.70	200303030450
DDH03-10	26.70	29.90	200303030451
DDH03-10	26.90	27.10	200303030452
DDH03-10	27.10	27.30	200303030453
DDH03-10	27.30	27.50	200303030454
DDH03-10	27.50	27.58	200303030455
DDH03-10	27.58	27.78	200303030456
DDH03-10	32.50	32.70	200303030457
DDH03-10	32.70	32.75	200303030458
DDH03-10	32.75	32.95	200303030459
DDH03-10	34.75	34.95	200303030460
DDH03-10	34.95	35.15	200303030461
DDH03-10	35.15	35.35	200303030462
DDH03-10	35.35	35.55	200303030463
DDH03-10	35.55	35.75	200303030464
DDH03-10	35.75	36.00	200303030465
DDH03-10	36.00	36.27	200303030466
DDH03-10	36.27	36.47	200303030467
DDH03-11	13.36	13.56	200303030468
DDH03-11	13.56	13.76	200303030469
DDH03-11	13.76	13.90	200303030470
DDH03-11	13.90	13.95	200303030471
DDH03-11	13.95	14.10	200303030472
DDH03-11	14.10	14.20	200303030473
DDH03-11	14.20	14.40	200303030474
DDH03-11	14.40	14.60	200303030475
DDH03-11	19.10	19.30	200303030476
DDH03-11	19.30	19.46	200303030477
DDH03-11	19.46	19.60	200303030478
DDH03-11	19.60	19.80	200303030479
DDH03-11	19.80	20.00	200303030480
DDH03-11	20.30	20.50	200303030481
DDH03-11	20.50	20.70	200303030482
DDH03-11	20.70	20.90	200303030483
DDH03-11	20.90	21.10	200303030484
DDH03-11	21.10	21.30	200303030485
DDH03-11	21.30	21.40	200303030486
DDH03-11	21.40	21.60	200303030487
DDH03-11	21.60	21.80	200303030488
DDH03-11	21.80	22.00	200303030489
DDH03-11	22.20	22.40	200303030490
DDH03-11	22.40	22.60	200303030491
DDH03-11	22.60	22.80	200303030492
DDH03-11	22.80	23.00	200303030493
DDH03-11	23.00	23.20	200303030494
DDH03-11	23.20	23.40	200303030495
DDH03-11	23.40	23.60	200303030496
DDH03-11	23.60	23.80	200303030497
DDH03-11	23.80	24.00	200303030498
DDH03-11	24.00	24.20	200303030499

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Hole ID	From	To	Sample Number
DDH03-11	24.20	24.40	200303030500
DDH03-11	24.40	24.60	200303030501
DDH03-11	24.60	24.80	200303030502
DDH03-11	24.80	25.00	200303030503
DDH03-11	25.48	25.68	200303030504
DDH03-11	25.68	25.88	200303030505
DDH03-11	25.88	26.08	200303030506
DDH03-11	26.08	26.20	200303030507
DDH03-11	26.20	26.40	200303030508
DDH03-11	26.40	26.51	200303030509
DDH03-11	26.51	26.71	200303030510
DDH03-11	31.95	32.15	200303030511
DDH03-11	32.35	32.55	200303030512
DDH03-11	32.55	32.75	200303030513
DDH03-11	32.75	32.95	200303030514
DDH03-11	32.95	33.15	200303030515
DDH03-11	33.15	33.35	200303030516
DDH03-11	33.35	33.40	200303030517
DDH03-11	33.40	33.60	200303030518
DDH03-11	33.60	33.80	200303030519
DDH03-11	33.80	34.00	200303030520
DDH03-11	34.00	34.20	200303030521
DDH03-11	34.20	34.40	200303030522
DDH03-11	34.40	34.60	200303030523
DDH03-11	34.60	34.80	200303030524
DDH03-11	34.80	35.00	200303030525
DDH03-11	35.00	35.20	200303030526
DDH03-11	35.20	35.40	200303030527
DDH03-11	35.40	35.46	200303030528
DDH03-11	35.46	35.66	200303030529
DDH03-11	35.66	35.86	200303030530
DDH03-11	35.86	36.06	200303030531
DDH03-11	36.06	36.26	200303030532
DDH03-11	36.26	36.31	200303030533
DDH03-11	36.31	36.37	200303030534
DDH03-11	36.37	36.49	200303030535
DDH03-11	36.49	36.69	200303030536
DDH03-11	37.30	37.50	200303030537
DDH03-11	37.50	37.70	200303030538
DDH03-11	37.70	37.90	200303030539
DDH03-11	37.90	38.10	200303030540
DDH03-11	38.10	38.30	200303030541
DDH03-11	38.30	38.50	200303030542
DDH03-11	38.50	38.70	200303030543
DDH03-12	7.27	7.67	200303030544
DDH03-12	8.40	8.60	200303030545
DDH03-12	15.54	15.74	200303030546
DDH03-12	15.74	15.94	200303030547
DDH03-12	15.94	16.14	200303030548
DDH03-12	16.14	16.34	200303030549
DDH03-12	16.34	16.54	200303030550
DDH03-12	16.54	16.74	200303030551
DDH03-12	16.74	16.94	200303030552
DDH03-12	16.94	17.14	200303030553
DDH03-12	17.14	17.34	200303030554
DDH03-12	17.34	17.54	200303030555
DDH03-12	12.45	12.49	200303030556
DDH03-12	12.19	12.70	200303030557
DDH03-12	17.54	17.74	200303030558
DDH03-12	17.74	17.94	200303030559
DDH03-12	17.94	18.14	200303030560
DDH03-12	18.14	18.34	200303030561

Hole ID	From	To	Sample Number
DDH03-12	18.34	18.59	200303030562
DDH03-12	18.59	18.79	0
DDH03-12	18.79	18.99	200303030563
DDH03-12	18.99	19.19	200303030564
DDH03-12	19.19	19.39	200303030565
DDH03-12	19.39	19.50	200303030566
DDH03-12	19.50	19.70	200303030567
DDH03-12	24.31	24.51	200303030568
DDH03-12	24.51	24.58	200303030569
DDH03-12	24.58	24.68	200303030570
DDH03-12	24.68	24.79	200303030571
DDH03-12	24.79	24.99	200303030572
DDH03-12	24.99	25.19	200303030573
DDH03-12	25.19	25.39	200303030574
DDH03-12	25.39	25.59	200303030575
DDH03-12	25.59	25.73	200303030576
DDH03-12	28.07	28.27	200303030577
DDH03-12	27.40	27.53	200303030578
DDH03-12	27.53	27.73	200303030579
DDH03-12	27.73	27.93	200303030580
DDH03-12	28.07	28.27	200303030581
DDH03-12	28.27	28.38	200303030582
DDH03-12	28.80	29.00	200303030583
DDH03-12	29.00	29.08	200303030584
DDH03-12	29.08	29.28	200303030585
DDH03-12	29.28	29.42	200303030586
DDH03-12	29.42	29.62	200303030587
DDH03-12	29.62	29.82	200303030588
DDH03-12	29.82	30.02	200303030589
DDH03-12	44.70	44.90	200303030590
DDH03-12	44.90	45.16	200303030591
DDH03-12	45.16	45.36	200303030592
DDH03-12	46.70	46.90	200303030593
DDH03-12	46.90	47.10	200303030594
DDH03-12	47.10	47.30	200303030595
DDH03-12	47.30	47.50	200303030596
DDH03-12	47.50	47.65	200303030597
DDH03-12	47.65	48.85	200303030598
DDH03-12	47.85	48.05	200303030599
DDH03-12	48.05	48.25	200303030600
DDH03-12	48.25	48.39	200303030601
DDH03-12	48.39	48.59	200303030602
DDH03-13	22.00	22.20	200303030603
DDH03-13	22.20	22.40	200303030604
DDH03-13	22.40	22.60	200303030605
DDH03-13	23.93	24.13	200303030606
DDH03-13	24.13	24.33	200303030607
DDH03-13	24.33	24.53	200303030608
DDH03-13	24.53	24.73	200303030609
DDH03-13	24.73	25.00	200303030610
DDH03-13	25.00	25.20	200303030611
DDH03-13	25.20	25.39	200303030612
DDH03-13	25.39	25.59	200303030613
DDH03-13	25.59	25.79	200303030614
DDH03-13	26.13	26.33	200303030615
DDH03-13	26.33	26.53	200303030616
DDH03-13	26.53	26.62	200303030617
DDH03-13	26.62	26.70	200303030618
DDH03-13	26.70	26.90	200303030619
DDH03-13	26.90	27.10	200303030620
DDH03-13	27.10	27.30	200303030621
DDH03-13	30.20	30.40	200303030622

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Hole ID	From	To	Sample Number
DDH03-13	30.40	30.60	200303030623
DDH03-13	30.60	30.80	200303030624
DDH03-13	30.80	31.00	200303030625
DDH03-13	31.00	32.20	200303030626
DDH03-13	32.40	32.60	200303030627
DDH03-13	32.60	32.80	200303030628
DDH03-13	32.80	33.00	200303030629
DDH03-13	33.00	33.16	200303030630
DDH03-13	33.16	33.36	200303030631
DDH03-13	38.35	38.55	200303030632
DDH03-13	38.55	38.75	200303030633
DDH03-13	38.75	38.95	200303030634
DDH03-13	38.95	39.15	200303030635
DDH03-13	39.15	39.35	200303030636
DDH03-13	39.35	39.55	200303030637
DDH03-13	39.55	39.75	200303030638
DDH03-13	39.75	39.95	200303030639
DDH03-14	11.80	12.00	200303030640
DDH03-14	12.00	12.20	200303030641
DDH03-14	12.20	12.30	200303030642
DDH03-14	12.30	12.40	200303030643
DDH03-14	12.40	12.60	200303030644
DDH03-14	12.60	12.80	200303030645
DDH03-14	12.80	13.00	200303030646
DDH03-14	13.00	13.10	200303030647
DDH03-14	13.10	13.27	200303030648
DDH03-14	13.27	13.57	200303030649
DDH03-14	13.57	13.67	200303030650
DDH03-14	20.50	20.70	200303030651
DDH03-14	20.70	20.90	200303030652
DDH03-14	20.90	21.10	200303030653
DDH03-14	21.10	21.30	200303030654
DDH03-14	21.30	21.50	200303030655
DDH03-14	21.50	21.60	200303030656
DDH03-14	21.60	21.70	200303030657
DDH03-14	21.70	21.90	200303030658
DDH03-14	22.50	22.70	200303030659
DDH03-14	22.70	22.90	200303030660
DDH03-14	22.90	23.10	200303030661
DDH03-14	23.10	23.30	200303030662
DDH03-14	23.30	23.50	200303030663
DDH03-14	23.50	23.70	200303030664
DDH03-14	23.70	23.90	200303030665
DDH03-14	23.90	24.10	200303030666
DDH03-14	25.40	25.60	200303030667
DDH03-14	25.60	25.80	200303030668
DDH03-14	25.80	26.00	200303030669
DDH03-14	26.00	26.20	200303030670
DDH03-14	26.20	26.40	200303030671
DDH03-14	26.40	26.60	200303030672
DDH03-14	26.60	26.80	200303030673
DDH03-14	26.80	27.00	200303030674
DDH03-14	27.00	27.20	200303030675
DDH03-14	27.20	27.40	200303030676
DDH03-14	27.40	27.60	200303030677
DDH03-14	27.60	27.80	200303030678
DDH03-14	27.80	28.00	200303030679
DDH03-14	28.00	28.20	200303030680
DDH03-14	30.07	30.27	200303030681
DDH03-14	30.27	30.47	200303030682
DDH03-14	30.47	30.67	200303030683
DDH03-14	30.67	30.97	200303030684

Hole ID	From	To	Sample Number
DDH03-14	30.97	31.18	200303030685
DDH03-14	31.18	31.35	200303030686
DDH03-14	31.35	31.54	200303030687
DDH03-14	31.54	31.70	200303030688
DDH03-14	31.70	31.90	200303030689
DDH03-14	31.90	32.10	200303030690
DDH03-14	32.10	32.30	200303030691
DDH03-14	32.30	32.50	200303030692
DDH03-14	32.50	32.70	200303030693
DDH03-14	32.70	32.90	200303030694
DDH03-14	32.90	33.10	200303030695
DDH03-14	33.10	33.30	200303030696
DDH03-14	33.30	33.50	200303030697
DDH03-14	33.50	33.70	200303030698
DDH03-14	33.70	33.90	200303030699

Underground Whole Rock Samples

Round	Samples
Round 3	200301080001-21
Round 9	200302080001-10
Round 11	200302080011-22
Round 14	200301080022-29
Round 18	200301080030-36
Round 20	200301080037-42
Round 21	200301080043-49
Round 22	200305080001-6

Drift 2 10m	200300080001-6
Drift 2 13m	200306080001-5
Drift 2 19m	200303080001-6

Diamond Drilling Whole Rock Samples

Hole	Samples
1	200303040001-049
2	200303040050-143
3	200303040144-185
4	200303040186-234
5	200303040235-265
6	200303040266-317
7	200303040318-357
8	200303040358-399
9	200303040400-412
10	200303030413-467
11	200303030468-543
12	200303030544-602
13	200303030603-639
14	200303030640-699

Miscellaneous Whole Rock Samples

Location	Samples
Regal Ridge	200305010001
West Trench	200302010004-18
Sparkle Claims	200304010001-4
Glitter Claims	200303030003
Unknown	200306010001-3
Unknown	200301030006
Unknown	200301010001
Unknown	200306090001

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Phone: 604 984 0221 Fax: 604 984 0218

o: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 10-Jul-2003
Account: THR

CERTIFICATE VA03023389

Project : Regal ridge

P.O. No: Shipment TNG 003 004

This report is for 9 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 3-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY BONNIE PEMBERTON	DAVID GABOURY	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

200303030003

200302010007-14

To: **TRUE NORTH GEMS**
ATTN: ACCOUNTS PAYABLE
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 10-Jul-2003
Account: THR

Project : Regal ridge

CERTIFICATE OF ANALYSIS VA03023389

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030003		0.68	<0.02	7.87	0.9	310	5.94	0.17	0.42	0.02	7.54	0.9	35	11.80	3.0	0.48
200302010007		2.96	0.08	5.22	0.6	190	7.46	2.55	2.34	0.08	0.75	29.0	737	490	82.2	6.50
2 `2010008		2.68	0.06	3.15	1.4	60	10.75	0.84	5.27	0.20	0.68	40.2	755	221	44.4	5.41
2 ,2010009		2.76	0.06	3.81	0.5	230	10.95	3.45	3.63	0.13	1.08	43.0	660	302	81.7	5.43
200302010010		2.34	0.03	3.84	6.2	130	3.94	0.32	4.84	0.14	1.25	54.7	775	250	7.9	5.32
200302010011		1.12	0.12	4.71	1.1	400	8.32	1.76	2.45	0.11	0.78	45.7	822	434	147.5	6.04
200302010012		0.68	0.09	5.67	2.9	50	9.50	19.40	0.82	<0.02	2.33	31.7	272	35.3	164.0	3.07
200302010013		2.54	<0.02	1.03	0.5	<10	1.61	3.86	0.26	<0.02	0.32	4.2	150	1.51	17.2	0.65
200302010014		2.40	0.06	3.19	2.1	110	13.25	3.78	4.05	0.23	1.40	34.6	570	146.5	86.1	5.37

Comments: REE's may not be totally soluble in MS61 method.

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Date : 10-Jul-2003
Account: THR

Project : Regal ridge

CERTIFICATE OF ANALYSIS VA03023389

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030003		11.75	0.09	0.7	0.005	4.81	3.8	9.3	0.08	142	4.89	2.89	6.0	3.9	790	59.3
200302010007		10.40	0.16	0.1	0.026	3.79	<0.5	276	10.30	984	7.83	0.23	0.5	211	40	2.0
[illegible]2010008		6.78	0.14	0.1	0.027	1.62	<0.5	117.5	10.35	1225	0.49	0.24	0.6	362	10	1.2
[illegible]J2010009		12.50	0.14	0.1	0.030	2.68	0.5	287	9.82	1090	2.67	0.22	1.4	331	60	1.4
200302010010		6.57	0.14	0.1	0.027	1.84	0.6	124.5	10.00	1100	0.31	0.18	0.4	452	50	1.0
200302010011		20.5	0.18	0.1	0.022	4.18	<0.5	570	10.30	987	3.21	0.22	2.5	383	30	2.2
200302010012		30.1	0.10	<0.1	0.019	0.46	0.8	130.0	3.32	446	4.76	0.40	0.1	273	60	3.3
200302010013		5.03	<0.05	<0.1	<0.005	0.02	<0.5	14.6	0.44	99	1.14	0.08	0.1	30.3	30	0.7
200302010014		9.60	0.13	0.1	0.031	1.14	0.5	134.5	7.68	1020	5.65	0.27	0.1	218	70	1.6

Comments: REE's may not be totally soluble in MS61 method.

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Date : 10-Jul-2003
Account: THR

Project : Regal ridge

CERTIFICATE OF ANALYSIS VA03023389

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303030003		195.0	0.002	<0.01	0.18	1	10.7	112.5	0.81	<0.05	1.5	0.02	0.88	2.3	1	1.7
200302010007		980	0.026	0.20	0.09	1	25.4	4.1	<0.05	<0.05	0.4	0.09	6.05	0.1	178	327
[illegible]2010008		398	0.003	0.03	<0.05	<1	24.3	4.0	<0.05	<0.05	0.2	0.05	2.65	0.1	158	15.7
[illegible]J2010009		690	0.004	0.07	<0.05	1	25.1	4.0	<0.05	<0.05	0.2	0.07	3.82	0.1	138	20.5
200302010010		430	0.002	<0.01	0.05	<1	20.2	2.6	<0.05	<0.05	0.2	0.06	2.99	0.1	165	4.3
200302010011		1110	0.004	0.29	<0.05	1	21.1	4.2	0.18	<0.05	0.2	0.07	5.91	0.1	136	30.8
200302010012		102.5	0.005	0.01	<0.05	1	35.0	21.5	<0.05	<0.05	<0.2	0.03	0.73	0.1	58	330
200302010013		2.6	0.004	<0.01	<0.05	<1	6.1	5.4	<0.05	<0.05	<0.2	0.01	0.05	<0.1	12	410
200302010014		274	0.006	0.02	<0.05	1	32.4	8.5	<0.05	<0.05	0.2	0.06	1.78	0.2	132	480

Comments: REE's may not be totally soluble in MS61 method.

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Date : 10-Jul-2003
Account: THR

Project : Regal ridge

CERTIFICATE OF ANALYSIS VA03023389

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303030003		4.4	11	19.1
200302010007		2.3	108	2.6
2[illegible]2010008		3.0	85	1.5
2[illegible]2010009		3.3	118	1.4
200302010010		3.3	69	2.0
200302010011		2.1	152	1.8
200302010012		4.4	104	<0.5
200302010013		0.8	16	<0.5
200302010014		7.0	85	0.7

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 24-Jul-2003
Account: THR

CERTIFICATE VA03026134

Project : Regal Ridge

P.O. No:

This report is for 4 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 17-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

200301010001
200302010004-6

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

ALS Chemex
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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 24-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026134

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200301010001		0.34	0.08	2.85	1.8	110	8.61	0.42	7.78	0.21	1.36	46.5	932	12.90	2.0	5.29
200302010004		1.94	0.10	8.34	<0.2	<10	7.63	0.78	2.88	0.10	0.59	93.9	915	4.59	33.5	11.15
20[illegible]2010005		3.48	0.30	5.00	0.5	140	8.84	9.79	0.78	0.10	1.42	18.0	400	>500	44.1	7.05
2 2010006		4.96	0.08	0.81	0.3	20	7.96	1.46	0.20	<0.02	0.36	5.7	106	15.35	46.5	1.44

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 24-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026134

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200301010001		5.65	0.25	0.2	0.030	0.52	0.8	16.6	9.35	1140	0.10	0.43	0.9	242	30	2.6
200302010004		15.40	0.36	0.1	0.037	0.05	<0.5	62.2	10.35	1310	0.14	0.13	0.8	351	10	0.7
2[illegible]2010005		12.85	0.35	0.1	0.025	3.54	0.7	282	7.21	661	15.40	0.22	1.0	57.1	60	3.2
2 2010006		4.42	0.12	<0.1	<0.005	0.15	<0.5	19.2	0.64	95	3.26	0.05	0.7	19.1	300	1.9

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

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To: TRUE NORTH GEMS
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VANCOUVER BC V6B 1P2

Date : 24-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026134

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200301010001		45.3	<0.002	0.01	1.65	<1	18.1	15.4	<0.05	0.06	0.2	0.09	0.29	0.1	201	0.3
200302010004		6.9	<0.002	0.02	0.17	<1	27.1	1.3	<0.05	0.05	<0.2	0.18	0.02	<0.1	188	0.4
2[illegible]2010005		1000	0.055	0.59	0.60	2	27.2	10.3	<0.05	0.06	0.2	0.11	6.34	0.2	121	3.3
2 2010006		30.3	0.005	0.03	0.48	<1	6.5	2.8	<0.05	<0.05	<0.2	0.02	0.21	<0.1	12	8.8

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 24-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026134

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200301010001		4.3	54	3.5
200302010004		5.5	113	1.2
2[illegible]2010005		3.7	106	2.4
2[illegible]2010006		0.9	16	<0.5

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

CERTIFICATE VA03026133

Project : Regal Ridge
P.O. No:
This report is for 28 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 17-Jul-2003.
The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

200303040001-23 - Hole 1
200304010001-4
200305010001

To: TRUE NORTH GEMS
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026133

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040001		0.30	0.46	6.25	1.3	70	10.80	0.37	5.03	0.15	1.33	40.0	248	121.0	163.0	4.97
200303040002		0.56	0.32	4.81	0.7	100	14.30	3.16	3.45	0.13	1.14	38.5	285	126.5	280	4.58
20[illegible]3040003		0.70	0.23	4.23	<0.2	240	191.5	10.40	3.61	0.12	5.79	45.0	283	281	432	4.69
2[illegible]3040004		0.52	0.27	5.23	0.3	180	42.2	2.06	6.25	0.25	3.32	46.6	351	200	194.5	6.15
200303040005		0.56	0.17	4.18	0.5	100	22.0	1.57	4.32	0.15	1.14	34.1	321	54.5	90.9	4.17
200303040006		0.50	0.37	4.17	0.8	200	11.85	0.43	4.64	0.18	0.81	41.3	562	92.4	46.9	4.66
200303040007		0.48	0.15	3.85	1.4	300	11.05	0.88	5.41	0.28	0.87	52.1	650	158.0	44.9	5.69
200303040008		0.40	0.18	5.12	0.8	290	12.20	1.02	4.73	0.15	1.30	43.9	495	197.0	30.9	5.04
200303040009		0.44	0.13	5.63	<0.2	480	8.81	0.57	4.17	0.12	1.08	53.4	753	358	7.1	6.51
200303040010		0.48	0.09	6.16	<0.2	220	8.27	0.30	4.93	0.11	1.37	35.7	283	152.0	1.4	4.09
200303040011		0.46	0.10	5.70	1.0	200	5.67	0.35	5.21	0.18	1.12	41.4	422	185.0	32.9	5.10
200303040012		0.40	0.24	6.60	0.2	180	4.82	0.27	5.41	0.24	1.44	35.2	271	90.5	158.5	4.62
200303040013		0.42	0.11	5.19	<0.2	150	2.46	0.37	5.14	0.16	1.68	35.9	324	85.0	25.3	4.23
200303040014		0.48	0.10	4.62	<0.2	110	1.86	0.44	5.06	0.19	1.40	51.4	673	159.5	4.2	5.27
200303040015		0.40	0.14	5.93	0.4	190	3.26	0.27	5.20	0.15	1.44	39.0	324	147.0	0.7	4.70
200303040016		0.46	0.17	5.79	1.6	180	3.91	0.59	4.49	0.21	1.98	45.1	497	172.0	61.5	5.72
200303040017		0.44	0.71	2.02	0.8	40	2.24	0.23	2.49	0.12	0.33	19.6	345	53.6	12.8	2.86
200303040018		0.28	0.74	1.83	0.5	10	1.96	0.20	2.46	0.12	0.34	18.6	472	18.45	19.0	2.79
200303040019		0.30	0.74	0.39	0.3	<10	0.21	0.02	0.17	<0.02	0.06	2.0	224	1.25	7.6	0.50
200303040020		0.32	0.04	0.26	0.7	<10	0.25	0.04	0.07	<0.02	0.06	1.6	223	4.87	5.2	0.52
200303040021		0.26	0.03	0.15	0.6	<10	0.15	0.06	0.03	<0.02	0.03	1.1	214	3.36	4.6	0.46
200303040022		0.54	0.38	1.11	0.5	<10	0.39	0.02	0.19	<0.02	0.07	3.1	220	2.07	5.9	0.69
200303040023		0.40	0.58	0.68	0.3	<10	0.24	0.03	0.16	<0.02	0.05	2.0	172	1.82	2.8	0.46
2[illegible]4010001		0.88	<0.02	7.91	0.3	400	14.45	0.01	0.50	0.02	16.50	0.7	57	4.97	1.2	0.34
200304010002		0.82	<0.02	0.06	0.5	20	<0.05	<0.01	<0.01	<0.02	0.19	0.6	179	0.10	1.5	0.34
200304010003		0.58	0.07	0.37	13.8	<10	<0.05	<0.01	0.55	<0.02	0.06	99.6	2050	0.10	0.9	4.82
200304010004		0.42	<0.02	7.07	<0.2	850	3.12	0.12	0.32	0.06	133.0	3.1	111	0.47	7.1	2.61
200305010001		0.86	0.20	5.39	0.4	210	1.04	0.04	0.76	<0.02	68.8	3.7	76	1.12	30.8	3.23

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
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Phone: 604 984 0221 Fax: 604 984 0218

To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026133

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040001		9.19	0.20	0.2	0.039	0.66	0.6	99.7	4.98	1005	0.31	1.59	0.7	125.5	90	4.0
200303040002		11.60	0.16	0.1	0.043	1.00	0.5	136.5	4.45	862	0.67	0.57	1.4	132.0	80	2.3
20[illegible]3040003		21.5	0.18	0.1	0.019	2.39	2.4	272	4.15	941	0.91	0.18	0.7	115.5	480	2.2
2[illegible]3040004		15.15	0.11	0.2	0.064	1.38	1.6	191.0	6.22	1445	0.25	0.94	4.6	137.0	60	2.6
200303040005		7.94	0.07	0.1	0.033	0.45	0.5	68.4	5.21	1045	0.50	0.63	1.3	170.0	110	2.2
200303040006		7.41	0.08	0.1	0.015	0.79	<0.5	89.5	6.84	1135	0.58	0.45	1.1	275	20	2.2
200303040007		7.36	0.14	0.1	0.025	1.32	<0.5	141.0	8.39	1365	0.36	0.39	1.4	348	10	1.3
200303040008		7.31	0.10	0.1	0.021	1.34	0.6	134.0	7.05	1125	0.44	0.81	0.9	271	80	2.4
200303040009		8.01	0.14	0.1	0.020	2.65	0.6	310	8.67	1175	0.06	0.45	0.5	356	20	1.7
200303040010		6.47	0.12	0.1	0.026	1.00	0.6	106.0	5.95	948	0.16	1.94	0.4	146.5	60	4.9
200303040011		7.24	0.09	0.1	0.033	1.06	0.5	147.0	6.90	1105	0.13	1.25	0.3	211	70	3.2
200303040012		8.09	0.07	0.1	0.046	0.67	0.6	78.3	6.13	1035	0.43	2.02	0.4	128.0	100	4.7
200303040013		5.61	0.06	0.2	0.026	0.66	0.8	85.0	6.30	1005	0.28	1.43	0.3	178.0	60	3.7
200303040014		6.42	0.10	0.1	0.021	0.84	0.6	126.5	8.07	1180	0.34	0.48	0.2	362	50	1.8
200303040015		6.14	0.06	0.1	0.024	0.97	0.6	124.5	6.89	1060	0.12	1.70	0.4	184.5	80	4.4
200303040016		7.40	0.09	0.1	0.027	1.04	0.9	191.5	7.67	1145	0.24	1.08	0.4	226	60	3.2
200303040017		3.34	<0.05	0.1	0.009	0.31	<0.5	51.9	3.82	643	0.98	0.17	0.2	121.0	<10	0.8
200303040018		3.05	<0.05	0.1	0.009	0.11	<0.5	27.8	3.44	632	1.58	0.18	0.2	103.0	<10	0.7
200303040019		0.58	<0.05	<0.1	<0.005	0.01	<0.5	4.4	0.22	54	2.63	0.03	0.1	12.2	<10	0.5
200303040020		0.58	<0.05	<0.1	<0.005	0.02	<0.5	5.9	0.12	41	1.96	0.02	0.1	10.8	<10	0.8
200303040021		0.35	<0.05	<0.1	<0.005	0.01	<0.5	4.5	0.06	32	1.70	0.01	0.1	8.3	<10	<0.5
200303040022		1.51	<0.05	<0.1	<0.005	0.01	<0.5	7.8	0.37	54	2.73	0.08	0.1	11.4	<10	0.6
20[illegible]03040023		0.96	<0.05	<0.1	<0.005	0.01	<0.5	6.7	0.25	37	1.08	0.05	<0.1	8.5	<10	0.6
[illegible]4010001		19.65	<0.05	1.4	<0.005	2.18	8.9	4.5	0.05	373	1.06	4.19	5.6	3.4	230	22.5
200304010002		0.12	<0.05	<0.1	<0.005	0.02	<0.5	2.2	0.02	23	1.40	0.01	0.3	6.4	<10	<0.5
200304010003		0.69	0.16	<0.1	<0.005	<0.01	<0.5	0.4	>15.00	792	<0.05	<0.01	0.1	1950	20	0.5
200304010004		21.4	0.18	1.3	0.118	2.01	67.8	7.0	0.45	249	0.85	3.46	6.8	9.3	210	4.1
200305010001		11.25	0.12	0.2	0.030	0.69	46.9	3.2	1.03	170	1.09	0.71	6.0	6.7	810	10.2

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026133

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040001		143.0	<0.002	0.18	0.07	1	23.1	51.2	<0.05	<0.05	<0.2	0.13	1.16	0.1	214	1.2
200303040002		272	0.005	0.76	<0.05	1	52.2	25.9	0.21	<0.05	<0.2	0.10	1.60	0.1	178	34.4
20[illegible]3040003		740	0.005	0.44	0.05	1	39.1	12.8	<0.05	<0.05	2.5	0.12	4.00	0.5	100	680
2[illegible]3040004		386	<0.002	0.60	0.05	1	112.5	24.2	1.07	<0.05	0.3	0.19	2.12	0.3	207	157.5
200303040005		89.2	<0.002	0.33	<0.05	<1	61.8	22.1	0.18	<0.05	<0.2	0.09	0.57	0.1	136	4.7
200303040006		163.0	<0.002	0.18	0.05	<1	41.3	17.8	0.09	<0.05	<0.2	0.07	1.24	<0.1	157	2.8
200303040007		304	<0.002	0.18	0.05	<1	41.1	9.8	0.06	<0.05	<0.2	0.08	2.27	0.1	182	2.4
200303040008		300	<0.002	0.13	0.05	<1	29.8	25.5	<0.05	<0.05	<0.2	0.11	2.26	0.1	170	2.3
200303040009		720	<0.002	0.01	<0.05	<1	28.2	9.5	<0.05	<0.05	<0.2	0.11	4.34	0.1	221	3.8
200303040010		213	<0.002	0.01	<0.05	<1	13.0	63.0	<0.05	<0.05	<0.2	0.15	1.60	0.1	169	1.3
200303040011		194.5	<0.002	0.06	0.07	<1	14.2	39.3	<0.05	<0.05	<0.2	0.13	1.72	0.1	195	1.3
200303040012		107.0	0.002	0.10	0.10	<1	10.8	63.8	<0.05	<0.05	<0.2	0.18	0.94	0.2	207	1.4
200303040013		112.0	<0.002	0.01	0.83	<1	8.2	46.2	<0.05	<0.05	0.2	0.11	0.88	0.1	168	0.9
200303040014		167.0	<0.002	0.01	0.69	<1	11.8	16.8	<0.05	<0.05	<0.2	0.08	1.28	0.1	193	0.8
200303040015		176.0	<0.002	<0.01	0.37	<1	7.8	52.8	<0.05	<0.05	<0.2	0.13	1.35	0.1	182	1.0
200303040016		203	<0.002	0.03	0.28	<1	16.2	34.0	<0.05	<0.05	0.2	0.15	1.60	0.1	183	1.6
200303040017		50.1	<0.002	<0.01	0.08	<1	10.8	5.1	<0.05	<0.05	<0.2	0.05	0.43	<0.1	90	1.6
200303040018		17.8	<0.002	<0.01	0.21	<1	11.2	6.0	<0.05	<0.05	<0.2	0.05	0.15	<0.1	83	1.0
200303040019		1.2	<0.002	<0.01	0.20	<1	0.8	2.3	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	12	1.4
200303040020		5.0	<0.002	<0.01	0.23	<1	0.8	1.4	<0.05	<0.05	<0.2	<0.01	0.02	<0.1	8	0.5
200303040021		3.1	<0.002	<0.01	0.29	<1	0.5	0.6	<0.05	<0.05	<0.2	<0.01	<0.02	<0.1	6	0.4
200303040022		1.8	<0.002	<0.01	0.16	<1	1.3	5.9	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	20	1.3
200303040023		2.2	<0.002	<0.01	0.18	<1	0.9	3.9	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	12	0.5
2[illegible]4010001		121.0	<0.002	<0.01	0.07	<1	2.8	33.7	0.34	<0.05	4.8	0.02	0.64	4.8	4	0.7
200304010002		0.7	<0.002	<0.01	0.22	<1	0.4	0.3	<0.05	<0.05	<0.2	<0.01	<0.02	<0.1	3	0.3
200304010003		0.2	<0.002	<0.01	1.38	<1	<0.2	1.4	<0.05	<0.05	<0.2	<0.01	<0.02	0.2	35	1.5
200304010004		46.6	<0.002	<0.01	0.14	1	5.6	42.6	0.05	<0.05	24.8	0.25	0.12	5.4	40	1.4
200305010001		24.7	<0.002	0.15	0.05	1	1.5	203	<0.05	<0.05	22.7	0.18	0.18	4.4	58	1.2

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026133

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040001		7.2	64	2.8
200303040002		6.5	109	1.6
20 3040003		15.8	182	1.2
2 3040004		15.4	147	2.7
200303040005		6.1	82	1.8
200303040006		2.7	87	1.8
200303040007		3.7	98	2.1
200303040008		4.4	88	1.7
200303040009		3.1	108	1.4
200303040010		7.8	59	2.9
200303040011		6.8	70	1.9
200303040012		10.0	58	2.1
200303040013		5.8	57	2.1
200303040014		3.3	72	2.4
200303040015		5.7	65	1.7
200303040016		7.8	83	1.8
200303040017		1.7	41	1.1
200303040018		1.8	37	1.3
200303040019		0.1	3	0.9
200303040020		0.1	2	0.6
200303040021		0.1	<2	0.5
200303040022		0.1	6	0.7
20 03040023		0.1	3	<0.5
4010001		4.7	6	19.8
200304010002		0.1	3	0.7
200304010003		0.1	52	<0.5
200304010004		17.0	38	74.9
200305010001		10.4	46	6.9

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

CERTIFICATE VA03026706

Project : Regal Ridge

P.O. No:

This report is for 120 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 21-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

20030304 0024 - 143

Holes 1 & 2

↑

part of

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040024		0.44	0.24	0.66	3.5	<10	0.24	0.04	0.16	0.02	0.29	2.1	169	1.86	7.1	0.58
200303040025		0.50	0.03	2.17	1.4	<10	0.65	0.10	0.51	<0.02	0.20	6.0	107	1.70	15.4	0.99
2[illegible]040026		0.52	0.26	4.55	1.0	<10	3.27	0.12	2.68	0.10	0.36	21.3	341	4.83	35.2	3.07
20[illegible]3040027		0.42	0.26	4.47	<0.2	20	5.80	0.47	5.22	0.26	0.72	40.3	610	14.55	46.7	4.89
200303040028		0.42	0.31	4.10	0.5	20	5.48	0.65	6.01	0.34	1.19	39.7	566	16.00	61.2	5.65
200303040029		0.38	0.20	6.82	<0.2	240	6.01	0.29	5.37	0.20	1.56	36.5	361	74.7	37.3	5.31
200303040030		0.46	0.26	8.35	<0.2	320	2.53	0.16	4.72	0.15	1.76	33.2	212	93.6	73.1	4.75
200303040031		0.32	0.45	7.45	<0.2	110	1.10	0.37	4.76	0.12	1.45	37.0	399	44.8	146.0	5.92
200303040032		0.54	0.16	8.34	<0.2	70	0.29	0.15	6.14	0.07	1.54	33.4	307	26.7	91.2	5.79
200303040033		0.34	0.25	7.89	<0.2	120	1.26	0.19	4.26	0.07	1.22	36.1	322	56.3	136.0	5.49
200303040034		0.44	0.21	7.25	<0.2	90	4.09	0.23	5.01	0.15	1.25	37.8	317	35.6	208	6.03
200303040035		0.36	0.23	6.97	0.2	190	28.3	0.68	5.65	0.17	1.70	39.0	360	84.5	156.0	6.34
200303040036		0.34	0.82	6.33	3.5	90	89.7	2.29	0.88	<0.02	2.51	30.2	331	32.6	171.5	2.73
200303040037		0.36	0.50	5.67	2.7	130	194.0	1.06	2.63	0.56	1.57	44.1	382	70.1	260	5.30
200303040038		0.36	0.23	7.13	<0.2	360	>1000	12.55	5.74	0.08	1.67	33.5	394	101.5	267	4.62
200303040039		0.44	0.15	5.83	<0.2	180	392	1.36	4.21	0.06	0.64	28.2	281	48.0	178.0	4.20
200303040040		0.28	0.32	5.18	<0.2	80	39.6	9.92	6.53	0.24	0.33	51.8	905	21.9	329	7.13
200303040041		0.44	0.11	4.85	<0.2	90	29.6	0.98	3.52	0.12	1.37	27.4	303	35.2	163.0	3.97
200303040042		0.64	0.16	5.57	<0.2	50	29.8	0.83	5.48	0.19	1.24	38.7	368	12.40	169.5	5.79
200303040043		0.34	0.15	7.61	<0.2	190	53.1	0.63	7.24	0.27	1.59	41.6	354	56.8	135.5	6.52
200303040044		0.54	0.35	5.02	0.2	470	18.05	0.94	4.34	0.24	0.44	69.0	1075	276	504	7.93
200303040045		0.44	0.32	4.45	<0.2	430	22.3	1.09	5.52	0.25	0.62	68.3	1205	233	516	8.34
[illegible]303040046		0.54	0.33	4.05	<0.2	230	22.5	1.27	6.01	0.33	0.60	53.5	948	109.0	410	7.47
[illegible]303040047		0.32	0.22	5.33	<0.2	400	21.3	1.04	4.89	0.24	0.61	53.2	913	242	607	7.20
200303040048		0.52	0.14	5.14	0.5	120	20.5	0.91	5.16	0.21	0.89	52.8	534	103.0	125.5	5.64
200303040049		0.62	0.07	6.30	<0.2	30	2.64	0.20	6.91	0.09	1.04	34.2	307	13.30	26.4	5.32
200303040050		0.52	0.20	8.08	<0.2	90	0.25	0.15	4.66	0.05	1.12	45.0	310	86.2	261	5.64
200303040051		0.56	0.21	7.98	1.2	120	0.16	0.23	4.72	0.09	1.28	46.9	272	136.5	189.5	6.05
200303040052		0.30	0.09	9.26	0.4	160	0.27	0.21	5.77	0.08	1.50	33.3	299	67.1	111.0	6.38
200303040053		0.58	0.28	9.05	0.2	140	0.22	0.36	5.78	0.11	1.54	32.7	270	34.9	279	5.55
200303040054		0.50	0.24	7.06	<0.2	110	0.29	0.32	6.42	0.10	1.22	38.0	250	22.3	119.0	5.72
200303040055		0.54	0.27	5.90	0.3	40	0.45	0.47	5.92	0.13	1.19	32.1	327	8.14	124.5	6.25
200303040056		0.46	0.19	6.53	<0.2	50	0.74	0.41	6.43	0.18	1.32	34.9	258	12.65	165.5	6.19
200303040057		0.36	0.15	9.34	<5.0	80	0.58	2.00	10.35	0.12	1.26	25.9	297	40.3	3.7	6.32
200303040058		0.54	0.11	8.86	<0.2	140	56.0	1.95	8.34	0.15	1.53	27.7	273	45.0	200	6.80
200303040059		0.30	0.47	5.82	<0.2	10	36.0	7.05	2.84	<0.02	0.93	16.4	292	10.55	150.5	4.67
200303040060		0.52	0.57	4.37	<0.2	40	258	0.68	1.16	0.03	0.95	25.9	231	16.40	149.5	2.30
200303040061		0.44	1.69	4.35	0.4	20	196.5	8.13	1.02	0.09	0.54	17.5	243	8.11	386	2.87
200303040062		0.44	0.31	4.97	0.5	110	231	12.00	2.62	0.23	1.02	20.4	383	127.0	455	6.13
200303040063		0.42	0.43	5.94	<0.2	240	227	4.59	4.87	0.17	1.12	42.5	327	132.0	432	5.96

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
200303040064		0.34	0.32	7.57	<0.2	110	8.56	1.02	5.21	0.26	0.94	58.6	352	166.5	250	6.32
200303040065		0.50	0.08	7.30	<0.2	90	4.09	0.54	5.20	0.16	1.11	35.7	310	132.5	137.0	6.23
2 3040066		0.48	0.12	6.10	0.2	40	0.80	0.45	5.89	0.14	0.99	29.1	322	33.8	164.0	7.08
2 3040067		0.50	0.15	8.24	<0.2	160	0.86	0.41	5.82	0.12	1.66	38.7	304	211	150.0	6.65
200303040068		0.50	0.47	7.86	0.2	130	1.90	0.41	6.06	0.12	1.30	38.0	252	137.5	273	5.87
200303040069		0.38	0.35	6.09	<0.2	210	10.80	1.30	4.49	0.23	1.38	45.4	556	375	99.0	7.61
200303040070		0.32	0.16	5.08	<0.2	200	11.25	2.81	4.67	0.34	0.69	74.4	742	393	156.0	8.23
200303040071		0.54	0.57	7.27	0.2	210	12.55	3.60	4.47	0.17	1.42	36.3	296	242	131.5	5.25
200303040072		0.46	0.27	8.46	<0.2	170	2.17	0.36	5.84	0.08	1.54	39.4	298	244	89.4	6.63
200303040073		0.38	0.56	6.37	<0.2	40	0.60	0.40	5.96	0.13	1.62	40.2	313	31.2	263	6.53
200303040074		0.48	0.48	7.97	<0.2	110	0.56	0.26	6.05	0.13	1.44	46.1	289	211	195.0	6.63
200303040075		0.42	0.29	9.51	<0.2	130	0.27	0.21	5.88	0.05	1.60	35.5	290	249	109.0	6.41
200303040076		0.46	0.39	8.39	<0.2	100	0.32	0.23	7.06	0.08	1.32	39.6	284	161.5	42.6	6.94
200303040077		0.44	0.59	7.76	<0.2	150	0.48	0.26	6.55	0.09	1.29	45.1	287	186.5	146.5	6.79
200303040078		0.36	0.75	7.21	<0.2	100	1.24	0.79	4.97	0.27	1.45	50.7	388	114.5	345	5.97
200303040079		0.46	1.03	8.16	2.8	110	0.71	0.37	6.05	0.21	1.62	44.7	270	172.5	371	6.00
200303040080		0.44	1.18	9.08	2.8	140	1.84	0.46	5.40	0.17	1.80	36.3	288	271	579	6.42
200303040081		0.44	1.39	9.73	4.3	250	10.40	0.60	4.86	0.36	1.84	45.1	309	434	912	6.76
200303040082		0.48	0.48	7.94	0.5	90	15.50	1.20	6.22	0.07	1.56	31.8	272	114.5	254	6.03
200303040083		0.42	0.20	7.05	0.5	280	23.4	1.06	4.37	0.17	1.98	45.2	328	354	248	6.47
200303040084		0.44	0.05	1.38	<0.2	30	3.84	9.99	1.71	0.02	3.99	3.6	337	15.35	16.9	1.05
200303040085		0.36	0.02	1.50	0.7	<10	1.34	6.27	0.35	0.03	0.18	3.6	259	1.65	13.0	0.93
303040086		0.28	0.04	0.80	1.3	<10	1.04	0.11	0.38	0.03	0.09	2.4	425	1.07	8.4	0.90
303040087		0.32	0.04	0.77	1.4	<10	2.40	0.02	0.57	0.02	0.20	2.6	281	1.46	10.0	0.71
200303040088		0.42	0.25	3.80	<0.2	280	22.4	1.71	3.58	0.12	1.07	28.7	444	196.0	83.1	3.79
200303040089		0.40	<0.02	0.52	<0.2	<10	1.20	0.05	0.61	<0.02	0.10	1.9	154	6.07	11.6	0.46
200303040090		0.54	0.23	3.48	<0.2	270	20.8	3.03	3.37	0.10	0.98	26.8	304	189.5	77.1	3.52
200303040091		0.42	0.49	5.49	0.8	340	26.8	0.31	5.34	0.13	1.78	47.4	452	284	7.8	5.76
200303040092		0.36	0.47	5.25	<0.2	170	15.25	0.63	5.40	0.11	1.72	45.3	520	233	19.4	5.42
200303040093		0.36	0.26	5.70	1.0	220	6.93	0.42	4.88	0.13	1.62	51.4	456	321	11.4	5.92
200303040094		0.34	0.87	7.86	<0.2	130	1.61	0.26	5.63	0.12	1.60	34.1	255	75.8	450	4.71
200303040095		0.48	0.68	7.93	<0.2	50	1.16	0.24	5.64	0.18	1.72	39.9	225	14.10	207	5.61
200303040096		0.50	0.77	7.59	<0.2	50	1.63	0.23	5.83	0.21	1.54	44.0	249	24.3	125.0	5.56
200303040097		0.54	0.80	6.95	<0.2	40	6.80	0.31	4.99	0.21	1.49	30.5	238	31.3	147.5	4.57
200303040098		0.38	0.86	5.86	<0.2	30	12.35	0.32	6.34	0.22	2.14	56.2	271	14.95	71.2	6.56
200303040099		0.52	1.38	5.15	<0.2	10	18.90	1.04	4.59	0.19	1.30	30.4	312	17.90	263	5.94
200303040100		0.40	0.78	5.59	<0.2	110	26.8	0.69	5.15	0.28	1.32	37.7	312	108.0	141.5	6.48
200303040101		0.46	0.68	4.79	<0.2	20	14.50	4.41	3.98	0.24	0.92	22.8	305	23.1	273	6.20
200303040102		0.38	0.18	5.36	<0.2	10	13.85	6.20	3.70	0.21	0.73	19.5	320	3.02	249	6.05
200303040103		0.44	0.15	4.55	<0.2	40	13.40	1.24	4.17	0.22	0.90	26.4	315	29.8	142.5	5.33

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040104		0.36	0.13	4.40	<0.2	90	10.40	0.98	4.79	0.25	1.04	35.1	404	59.9	148.0	5.75
200303040105		0.38	0.85	3.95	<0.2	100	28.5	1.10	4.54	0.31	0.75	35.1	380	59.8	158.0	5.61
2 3040106		0.54	0.59	5.01	<0.2	10	54.1	1.64	3.61	0.14	0.64	28.5	335	9.71	237	4.79
2. .03040107		0.50	0.33	4.71	<0.2	80	12.20	2.36	4.18	0.27	0.65	18.4	548	60.8	164.5	5.40
200303040108		0.42	0.92	3.91	<0.2	290	13.35	1.82	5.07	0.48	0.77	25.5	641	174.0	197.5	6.99
200303040109		0.38	0.25	4.52	<0.2	320	10.70	1.58	4.06	0.35	0.74	24.8	740	347	215	7.60
200303040110		0.40	0.21	3.65	<0.2	100	8.14	0.90	4.91	0.38	0.75	21.3	442	77.2	115.0	6.28
200303040111		0.40	0.13	4.41	<0.2	10	10.95	0.83	4.56	0.31	0.91	25.5	302	11.10	120.5	5.40
200303040112		0.46	0.39	5.50	<0.2	60	5.58	0.42	5.62	0.24	1.38	38.7	321	24.9	128.5	5.33
200303040113		0.34	0.11	6.02	<0.2	130	2.43	0.33	5.43	0.18	0.74	53.3	587	99.7	11.4	6.29
200303040114		0.38	0.65	6.61	<0.2	150	1.22	0.47	4.79	0.17	1.12	50.9	437	66.2	235	5.73
200303040115		0.34	0.15	6.25	<0.2	60	0.70	0.34	5.43	0.13	0.70	57.4	682	21.6	31.1	6.87
200303040116		0.44	0.09	6.49	<0.2	130	1.00	0.27	5.07	0.13	1.00	53.3	466	27.9	69.5	6.44
200303040117		0.44	0.48	6.48	<0.2	70	0.90	0.43	6.01	0.16	0.76	62.2	651	18.05	43.7	7.52
200303040118		0.40	0.16	6.12	<0.2	100	0.72	1.32	4.47	0.20	1.31	42.3	426	27.6	175.0	5.92
200303040119		0.50	0.62	5.97	<0.2	80	0.92	1.01	5.07	0.22	1.30	48.1	501	34.1	126.0	6.30
200303040120		0.66	0.43	5.32	<0.2	160	5.42	0.72	4.38	0.26	0.95	35.0	470	160.0	139.0	5.72
200303040121		0.40	0.29	7.28	<0.2	120	0.60	0.18	4.71	0.06	1.35	33.2	134	56.2	161.0	4.51
200303040122		0.34	0.80	7.78	<0.2	80	0.18	0.26	6.88	0.07	1.90	42.6	225	35.1	242	6.52
200303040123		0.56	1.45	8.78	1.8	30	3.97	0.44	7.11	0.14	1.45	34.5	116	37.5	26.0	7.03
200303040124		0.50	0.60	8.27	<0.2	60	20.3	0.30	5.41	0.04	1.30	37.4	104	144.5	19.2	6.36
200303040125		0.34	1.20	5.97	1.0	80	26.7	0.67	0.97	<0.02	1.28	21.9	163	154.0	213	3.73
)303040126		0.48	6.85	7.94	<0.2	120	18.25	0.34	4.20	0.12	1.34	45.4	96	243	37.5	7.33
)303040127		0.46	0.20	8.50	<0.2	110	10.60	0.57	4.03	0.13	1.68	54.8	93	301	22.9	6.34
200303040128		0.50	0.13	6.99	<0.2	110	36.1	1.06	4.64	0.11	1.00	45.0	91	132.0	170.5	6.48
200303040129		0.44	0.24	5.34	<0.2	50	24.1	1.74	3.80	0.09	0.91	19.0	195	60.8	242	6.84
200303040130		0.46	0.64	4.64	0.6	70	17.90	12.85	2.24	0.07	2.08	28.6	335	66.6	527	11.05
200303040131		0.48	0.49	4.82	1.0	20	30.6	7.60	2.84	0.15	1.46	38.0	294	42.4	714	12.40
200303040132		0.38	0.25	5.31	1.0	30	18.80	7.95	2.58	0.06	0.93	23.9	296	27.5	332	5.58
200303040133		0.48	0.07	1.74	1.1	10	5.21	18.20	0.41	<0.02	0.30	8.7	308	10.55	103.0	1.62
200303040134		0.48	0.10	5.02	1.3	120	15.65	37.8	2.23	0.06	1.32	35.7	156	47.6	194.0	3.91
200303040135		0.42	0.46	5.82	0.7	150	29.8	1.48	4.19	0.13	1.50	36.2	278	103.5	428	7.54
200303040136		0.48	0.31	5.31	<0.2	40	26.2	1.66	2.86	0.02	1.52	16.4	191	42.5	324	6.66
200303040137		0.42	0.13	5.93	0.5	70	22.4	8.61	3.56	<0.02	1.20	24.0	135	55.2	185.0	6.39
200303040138		0.40	0.31	5.65	1.9	70	23.6	5.31	3.70	0.14	1.36	21.2	147	63.9	353	8.42
200303040139		0.40	0.27	5.55	0.3	110	22.7	5.15	3.47	0.04	1.11	25.1	343	86.2	271	8.06
200303040140		0.44	0.12	5.47	0.4	10	24.5	1.04	5.45	0.18	1.27	33.3	343	12.05	67.8	7.06
200303040141		0.38	0.16	8.01	<0.2	30	37.5	0.69	7.71	0.11	2.01	34.1	256	29.2	24.7	7.51
200303040142		0.54	0.18	8.58	0.4	30	33.6	0.97	7.97	0.14	2.05	29.6	263	26.8	36.4	7.15
200303040143		0.40	0.14	7.48	0.6	120	184.0	0.18	2.11	<0.02	9.00	12.6	201	32.7	49.4	1.95

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040024		1.20	<0.05	<0.1	<0.005	0.01	<0.5	7.1	0.23	46	3.07	0.05	0.1	12.7	10	6.2
200303040025		3.25	<0.05	<0.1	<0.005	0.01	<0.5	13.2	0.87	124	6.91	0.16	<0.1	28.3	20	1.6
3040026		7.59	0.10	<0.1	0.008	0.02	<0.5	44.9	3.67	645	1.80	0.35	0.1	119.0	10	1.5
200303040027		8.14	0.16	<0.1	0.026	0.11	<0.5	55.0	6.81	1235	3.66	0.45	0.2	263	30	1.4
200303040028		6.72	0.15	<0.1	0.022	0.12	<0.5	44.7	7.74	1495	0.71	0.44	0.3	229	40	1.2
200303040029		7.81	0.15	<0.1	0.020	0.70	0.7	121.0	6.80	1145	1.74	1.54	0.5	168.5	90	3.4
200303040030		8.17	0.14	<0.1	0.022	0.86	0.8	156.5	5.94	915	0.18	2.45	0.5	114.5	90	4.5
200303040031		11.05	0.15	<0.1	0.031	0.53	0.5	144.0	5.92	1085	2.68	1.52	0.4	116.5	110	2.8
200303040032		12.65	0.15	<0.1	0.037	0.43	0.6	63.7	5.58	1165	0.44	2.26	0.3	97.1	100	2.8
200303040033		9.94	0.15	<0.1	0.024	0.60	0.5	211	5.36	1000	1.96	2.22	0.3	122.5	50	3.7
200303040034		9.86	0.15	<0.1	0.030	0.47	0.5	175.5	5.88	1130	0.41	1.64	0.3	128.5	40	3.3
200303040035		12.65	0.19	<0.1	0.051	0.86	0.7	152.5	6.61	1480	1.88	1.37	1.2	134.0	40	3.0
200303040036		21.1	0.12	<0.1	0.005	0.63	0.9	121.0	2.46	332	2.83	0.54	<0.1	100.5	140	3.1
200303040037		19.60	0.59	<0.1	0.032	0.63	0.6	169.0	4.99	1150	3.99	0.39	0.3	173.0	450	5.9
200303040038		14.80	0.16	<0.1	0.049	1.78	0.6	148.5	4.36	1235	2.13	0.62	<0.1	145.5	50	9.7
200303040039		14.20	0.12	<0.1	0.046	0.93	<0.5	97.5	4.33	1175	3.31	0.64	0.6	135.5	380	4.6
200303040040		16.10	0.15	<0.1	0.093	0.35	<0.5	93.4	7.83	2080	1.50	0.73	1.2	339	<10	2.2
200303040041		10.45	0.11	<0.1	0.026	0.41	0.5	67.9	3.97	879	4.23	0.63	2.4	102.5	50	2.1
200303040042		12.80	0.11	<0.1	0.039	0.29	0.5	69.1	6.31	1420	0.72	0.72	2.4	137.0	80	2.2
200303040043		14.20	0.14	0.1	0.041	0.87	0.6	123.0	6.92	1525	2.33	1.52	2.1	125.5	60	3.0
200303040044		15.75	0.24	<0.1	0.019	3.36	<0.5	500	9.80	1590	0.30	0.38	4.0	430	10	2.1
200303040045		13.95	0.26	<0.1	0.026	2.72	<0.5	430	10.20	1750	0.35	0.40	3.4	432	10	1.7
0303040046		12.30	0.20	<0.1	0.041	1.34	<0.5	253	9.42	1840	1.29	0.49	1.9	254	<10	1.4
0303040047		11.35	0.22	<0.1	0.026	2.66	<0.5	397	9.67	1555	0.55	0.44	1.9	260	60	1.7
200303040048		8.87	0.18	<0.1	0.014	0.93	<0.5	141.0	6.81	1260	2.65	0.70	0.6	259	30	2.0
200303040049		11.25	0.14	<0.1	0.023	0.21	<0.5	28.1	6.11	1210	1.60	0.94	0.3	105.0	60	1.8
200303040050		10.05	0.15	<0.1	0.031	0.43	0.5	116.5	5.49	1020	0.30	2.45	0.3	152.0	60	2.9
200303040051		9.86	0.37	0.2	0.031	0.56	0.5	118.5	5.94	1015	1.10	2.45	0.5	141.5	50	4.0
200303040052		11.90	0.31	0.2	0.028	0.64	0.6	111.0	6.10	1090	0.35	2.38	0.5	101.0	90	3.6
200303040053		11.65	0.29	0.3	0.037	0.51	0.6	95.5	5.39	1005	1.10	2.47	0.4	85.1	90	3.8
200303040054		9.64	0.27	0.2	0.029	0.41	<0.5	63.8	6.29	1205	0.22	1.90	0.3	96.6	70	3.0
200303040055		9.76	0.27	0.2	0.034	0.16	<0.5	44.2	6.23	1260	2.20	1.10	0.3	79.2	60	2.0
200303040056		10.55	0.26	0.3	0.027	0.17	0.5	45.4	6.31	1225	0.58	1.14	0.4	92.7	110	2.2
200303040057		22.5	0.29	0.4	0.044	0.32	0.5	27.1	4.24	1410	2.67	0.55	0.5	90.9	200	3.5
200303040058		19.65	0.26	0.4	0.080	0.61	0.6	49.4	4.67	1405	0.38	0.85	1.0	98.6	120	3.5
200303040059		15.60	0.29	0.1	0.041	0.12	<0.5	57.9	4.22	874	5.18	0.50	0.1	56.9	50	4.8
200303040060		9.33	0.23	<0.1	0.016	0.24	<0.5	47.4	2.15	474	1.88	0.38	0.3	66.9	40	3.5
200303040061		10.40	0.19	<0.1	0.033	0.16	<0.5	45.7	2.14	380	5.94	0.48	0.4	70.1	20	3.1
200303040062		17.90	0.30	0.1	0.069	1.35	<0.5	262	5.51	1075	1.36	0.41	0.1	67.5	40	4.2
200303040063		12.10	0.31	0.2	0.090	1.68	<0.5	130.5	6.21	1515	2.16	1.02	2.2	144.0	40	4.9

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Date : 30-Jul-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040064		8.74	0.25	0.1	0.024	0.85	<0.5	124.5	6.33	1110	1.02	1.93	0.3	214	110	5.0
200303040065		8.45	0.26	0.1	0.028	0.67	<0.5	120.5	6.45	1110	1.32	1.97	0.3	132.0	70	4.6
2 3040066		9.45	0.27	0.2	0.045	0.25	<0.5	59.9	7.01	1350	0.64	1.18	0.3	100.5	30	2.7
20 3040067		10.95	0.27	0.2	0.033	1.14	0.6	162.0	7.08	1230	1.15	1.80	0.4	110.5	100	3.9
200303040068		9.97	0.23	0.2	0.039	0.77	<0.5	114.5	6.61	1200	0.17	2.07	0.4	114.5	100	4.7
200303040069		9.37	0.34	0.2	0.037	2.03	0.5	226	8.33	1345	1.14	0.61	0.5	270	200	2.8
200303040070		8.05	0.37	0.1	0.012	2.14	<0.5	232	9.54	1490	0.38	0.28	1.2	497	50	2.4
200303040071		9.70	0.22	0.1	0.020	1.34	0.5	154.5	6.08	1065	1.94	1.59	0.8	137.0	70	4.6
200303040072		11.50	0.24	0.3	0.039	1.24	0.6	163.5	6.77	1240	0.39	1.95	0.5	106.5	80	4.2
200303040073		10.30	0.21	0.2	0.038	0.25	0.6	44.6	6.35	1250	2.66	1.07	0.3	95.7	130	3.8
200303040074		12.15	0.23	0.2	0.037	1.02	0.5	149.0	6.74	1225	0.12	1.93	0.4	110.0	100	3.9
200303040075		13.35	0.19	0.3	0.043	1.14	0.6	179.0	6.15	1105	1.21	2.47	0.5	99.4	110	4.3
200303040076		11.45	0.22	0.2	0.037	0.81	0.5	137.5	7.20	1410	0.25	2.01	0.4	101.0	100	3.4
200303040077		10.70	0.22	0.2	0.028	1.12	0.5	157.5	7.10	1340	0.79	1.67	0.4	97.7	100	3.1
200303040078		9.08	0.21	0.2	0.035	0.70	0.5	102.0	5.67	1025	2.98	1.37	0.4	102.0	90	4.0
200303040079		9.70	0.20	0.2	0.042	0.95	0.7	138.0	6.27	1145	3.06	2.05	0.4	104.5	130	8.3
200303040080		11.80	0.22	0.2	0.049	1.48	0.7	158.5	5.65	1085	0.50	2.20	0.4	104.0	110	4.4
200303040081		12.75	0.25	0.1	0.043	2.02	0.7	274	6.22	1035	1.34	2.09	0.6	111.0	100	5.4
200303040082		14.20	0.17	0.3	0.052	0.75	0.6	89.2	4.87	1155	1.02	1.46	0.8	78.2	90	4.0
200303040083		13.90	0.24	0.1	0.026	2.85	0.7	305	6.62	1440	2.13	0.85	1.8	116.5	100	3.2
200303040084		6.93	0.09	<0.1	<0.005	0.21	1.4	38.9	0.58	213	5.03	0.09	0.1	15.8	620	1.3
200303040085		7.20	0.09	<0.1	<0.005	0.01	<0.5	21.9	0.41	134	9.26	0.11	0.2	14.4	40	1.2
0303040086		4.29	0.07	<0.1	<0.005	<0.01	<0.5	14.2	0.21	117	4.68	0.06	0.2	12.9	10	1.1
0303040087		4.15	<0.05	0.1	<0.005	0.01	<0.5	13.2	0.20	128	12.95	0.05	0.1	15.7	10	2.3
200303040088		9.56	0.08	0.2	0.030	1.47	0.5	180.0	4.19	880	2.79	0.42	1.6	145.0	30	1.9
200303040089		2.89	<0.05	0.1	<0.005	0.02	<0.5	10.8	0.17	75	6.76	0.03	<0.1	9.6	20	0.8
200303040090		8.31	0.06	0.2	0.025	1.42	<0.5	167.5	3.94	822	1.42	0.39	1.4	136.0	20	1.8
200303040091		8.56	0.13	0.2	0.020	2.08	0.8	203	8.02	1400	0.35	0.75	1.5	313	80	2.2
200303040092		7.53	0.12	0.2	0.021	1.58	0.8	143.0	7.40	1290	1.70	0.69	0.6	330	60	2.2
200303040093		8.03	0.14	0.2	0.027	2.01	0.7	172.5	7.74	1240	0.26	0.72	0.4	273	50	2.4
200303040094		10.75	0.09	0.3	0.042	0.54	0.7	67.2	5.37	1015	1.90	2.35	0.3	97.4	80	4.2
200303040095		11.30	0.11	0.3	0.037	0.24	0.7	75.4	5.80	1190	0.19	1.95	0.3	100.5	120	3.3
200303040096		10.35	0.09	0.3	0.034	0.30	0.6	75.9	6.32	1280	1.49	1.85	0.3	101.5	80	3.5
200303040097		9.69	0.08	0.3	0.035	0.41	0.6	37.1	4.25	994	1.14	1.52	0.3	72.8	270	3.0
200303040098		11.15	0.10	0.3	0.051	0.30	0.8	43.0	6.87	1690	0.80	1.02	0.7	133.5	60	2.0
200303040099		10.70	0.10	0.3	0.050	0.11	0.5	41.5	5.98	1295	1.68	0.55	0.5	118.5	40	2.1
200303040100		8.82	0.09	0.3	0.034	0.56	0.5	117.0	7.60	1380	0.79	0.71	0.6	153.0	60	2.5
200303040101		10.50	0.10	0.2	0.056	0.12	<0.5	45.4	5.85	1195	3.15	0.50	0.4	71.0	20	2.5
200303040102		12.45	0.09	0.7	0.063	0.05	<0.5	34.6	5.56	1195	3.82	0.55	0.8	73.4	20	3.0
200303040103		9.60	0.08	0.2	0.050	0.23	<0.5	49.7	5.91	1300	1.13	0.53	0.7	108.5	40	2.0

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040104		7.21	0.09	0.2	0.030	0.39	<0.5	64.8	7.13	1400	1.52	0.47	0.6	171.0	20	2.2
200303040105		7.41	0.08	0.2	0.045	0.39	<0.5	71.5	6.61	1445	0.58	0.46	0.8	153.0	40	1.9
3040106		12.30	0.08	0.2	0.049	0.06	<0.5	42.2	5.63	1195	1.10	0.48	0.6	161.5	30	2.5
200303040107		9.38	0.08	0.2	0.046	0.48	<0.5	96.9	7.01	1415	0.90	0.49	0.6	110.0	10	2.7
200303040108		8.78	0.12	0.2	0.034	1.17	<0.5	156.5	8.84	1750	1.94	0.37	1.4	145.0	20	2.1
200303040109		7.37	0.14	0.2	0.022	1.83	<0.5	222	8.88	1510	2.00	0.34	0.4	153.5	50	2.3
200303040110		4.95	0.06	0.2	0.025	0.51	<0.5	60.5	7.93	1570	0.34	0.37	0.2	128.0	80	1.7
200303040111		6.54	0.06	0.2	0.023	0.06	<0.5	27.6	6.76	1215	2.20	0.42	0.2	122.0	90	2.3
200303040112		7.97	0.08	0.3	0.041	0.28	0.6	54.8	6.92	1355	0.91	1.05	0.3	158.0	80	2.5
200303040113		7.39	0.09	0.2	0.031	0.63	<0.5	223	8.72	1515	0.10	1.12	0.3	358	20	2.3
200303040114		7.89	0.08	0.2	0.036	0.61	0.5	208	7.36	1280	1.30	1.24	0.3	263	80	3.2
200303040115		8.56	0.11	0.2	0.031	0.27	<0.5	113.5	9.29	1605	0.97	0.70	0.2	322	30	1.6
200303040116		8.97	0.09	0.2	0.031	0.54	<0.5	188.0	8.19	1410	0.13	0.98	0.3	252	50	2.2
200303040117		9.30	0.11	0.2	0.036	0.32	<0.5	131.5	9.91	1735	0.18	0.70	0.2	338	10	1.5
200303040118		8.55	0.09	0.2	0.034	0.35	0.5	101.0	7.16	1290	2.81	0.86	0.3	173.5	150	2.6
200303040119		7.65	0.08	0.2	0.034	0.37	0.6	146.0	8.37	1530	0.51	0.90	0.3	232	90	2.8
200303040120		6.96	0.09	0.2	0.037	1.02	<0.5	137.0	7.43	1395	1.74	0.85	0.3	189.5	90	2.7
200303040121		7.60	0.12	0.2	0.027	0.50	0.6	93.9	5.59	995	1.38	2.16	0.3	103.0	80	4.3
200303040122		13.45	0.13	0.3	0.051	0.63	0.7	49.4	6.34	1335	0.28	1.63	0.4	110.5	170	2.5
200303040123		15.35	0.13	0.3	0.051	0.43	0.8	67.1	4.65	1005	2.67	1.27	0.6	51.4	110	5.0
200303040124		12.70	0.12	0.3	0.029	1.24	0.6	166.0	5.09	986	2.39	1.27	1.3	53.2	90	4.1
200303040125		24.0	0.11	0.1	0.006	1.29	0.5	188.0	2.78	415	2.32	0.50	1.6	34.8	200	4.3
0303040126		13.45	0.15	0.3	0.037	1.75	0.6	260	5.75	1040	2.00	1.11	1.1	64.1	100	3.5
0303040127		10.65	0.14	0.2	0.024	1.81	0.7	254	5.77	922	0.73	1.68	0.6	67.1	60	4.9
200303040128		13.15	0.13	0.3	0.039	0.88	0.5	130.5	5.06	1060	1.88	1.01	1.6	65.0	90	3.3
200303040129		12.75	0.08	0.3	0.024	0.41	<0.5	54.3	3.62	833	1.86	0.48	1.8	32.1	130	2.7
200303040130		12.35	0.18	0.2	0.024	0.49	0.9	93.8	4.26	803	5.43	0.35	1.2	44.6	110	3.2
200303040131		12.50	0.17	0.2	0.038	0.15	0.8	58.7	4.08	849	8.03	0.43	1.2	60.2	130	2.8
200303040132		15.50	0.05	0.2	0.033	0.27	0.5	66.3	3.34	666	4.13	0.47	0.9	50.8	100	2.9
200303040133		6.43	<0.05	0.1	<0.005	0.09	<0.5	26.5	0.70	170	4.34	0.13	<0.1	23.9	30	1.2
200303040134		11.25	0.06	0.2	0.026	0.74	0.5	73.2	3.04	678	4.96	0.81	0.2	73.4	100	2.8
200303040135		16.30	0.12	0.3	0.036	1.13	0.7	147.5	5.67	1120	2.06	0.58	2.4	70.3	190	2.7
200303040136		16.15	0.08	0.3	0.027	0.39	0.7	66.5	3.68	797	4.37	0.49	0.6	29.0	420	2.7
200303040137		13.15	0.07	0.3	0.017	0.51	0.5	81.4	4.02	796	1.64	0.78	1.5	51.2	170	2.7
200303040138		13.75	0.14	0.3	0.050	0.48	0.6	95.2	5.60	1085	3.19	0.53	1.7	35.2	120	3.1
200303040139		13.05	0.13	0.2	0.032	0.81	0.5	140.5	5.67	983	1.80	0.51	1.2	54.9	130	2.6
200303040140		12.80	0.09	0.3	0.038	0.19	0.5	46.8	6.45	1195	2.84	0.64	1.0	79.4	50	2.2
200303040141		16.00	0.10	0.4	0.041	0.36	0.9	55.5	6.00	1240	0.96	0.97	2.2	98.0	190	2.8
200303040142		16.05	0.09	0.4	0.043	0.33	0.8	41.6	5.47	1135	2.40	0.97	1.6	88.3	160	3.1
200303040143		27.1	0.06	4.2	<0.005	0.81	3.6	40.2	2.26	2690	1.69	3.00	43.7	69.6	70	6.6

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040024		2.4	<0.002	<0.01	0.23	<1	1.0	4.8	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	14	1.0
200303040025		1.3	<0.002	<0.01	0.07	<1	2.4	12.2	<0.05	<0.05	<0.2	0.03	<0.02	<0.1	38	0.4
2 3040026		1.2	<0.002	0.01	0.05	<1	9.9	21.9	<0.05	<0.05	<0.2	0.07	<0.02	<0.1	126	1.5
200303040027		14.3	<0.002	0.16	<0.05	1	27.6	16.7	<0.05	<0.05	<0.2	0.09	0.23	<0.1	177	1.4
200303040028		14.3	<0.002	0.20	<0.05	<1	31.2	11.7	<0.05	<0.05	<0.2	0.10	0.14	<0.1	194	1.0
200303040029		95.5	<0.002	0.06	<0.05	<1	16.9	45.8	<0.05	<0.05	<0.2	0.14	0.97	0.1	201	0.7
200303040030		143.0	<0.002	0.01	<0.05	1	4.7	66.8	<0.05	<0.05	<0.2	0.16	0.99	0.1	200	0.3
200303040031		75.1	<0.002	<0.01	0.07	1	9.0	49.8	<0.05	<0.05	<0.2	0.20	0.60	0.1	235	1.3
200303040032		59.8	<0.002	0.07	0.05	1	2.0	67.9	<0.05	<0.05	<0.2	0.19	0.50	0.1	286	0.5
200303040033		89.7	<0.002	<0.01	0.06	<1	4.0	62.5	<0.05	<0.05	<0.2	0.11	0.73	0.1	215	1.0
200303040034		68.7	<0.002	0.03	<0.05	1	13.2	47.0	<0.05	<0.05	<0.2	0.12	0.70	0.1	249	0.9
200303040035		176.5	<0.002	0.02	0.05	1	74.5	37.3	0.20	<0.05	<0.2	0.18	1.14	0.2	303	4.4
200303040036		157.5	<0.002	0.20	0.13	1	34.8	35.9	<0.05	<0.05	0.7	0.05	1.09	0.4	78	650
200303040037		144.0	0.008	0.14	0.16	6	65.3	27.9	0.05	<0.05	<0.2	0.11	1.08	0.3	157	1540
200303040038		370	<0.002	0.61	0.07	1	83.7	40.5	<0.05	<0.05	<0.2	0.09	2.52	0.3	142	530
200303040039		212	<0.002	0.44	0.05	1	81.3	32.2	<0.05	<0.05	<0.2	0.08	1.46	0.1	146	540
200303040040		44.5	<0.002	0.94	0.05	1	126.5	17.4	0.06	0.07	<0.2	0.10	0.34	0.1	229	22.4
200303040041		77.0	<0.002	0.40	<0.05	1	53.8	34.9	0.23	<0.05	<0.2	0.12	0.64	0.1	160	240
200303040042		34.5	<0.002	0.44	<0.05	1	100.5	27.2	0.16	<0.05	<0.2	0.16	0.29	0.1	225	115.0
200303040043		165.0	<0.002	0.13	0.06	1	107.0	48.7	0.13	<0.05	<0.2	0.20	1.12	0.1	280	5.8
200303040044		930	<0.002	1.30	<0.05	2	59.2	5.5	0.71	<0.05	<0.2	0.09	5.05	<0.1	138	4.3
200303040045		740	<0.002	1.02	0.12	2	62.0	4.3	0.58	<0.05	0.2	0.08	4.03	<0.1	141	4.2
0303040046		298	<0.002	0.46	0.05	1	64.8	8.5	0.27	<0.05	<0.2	0.07	1.97	<0.1	160	3.8
0303040047		750	<0.002	0.46	0.05	1	75.6	8.2	0.19	<0.05	<0.2	0.09	4.20	0.1	178	2.4
200303040048		210	<0.002	0.26	0.05	1	58.3	24.3	<0.05	<0.05	<0.2	0.11	1.54	0.1	176	1.8
200303040049		25.2	<0.002	0.01	<0.05	<1	6.7	49.0	<0.05	<0.05	<0.2	0.16	0.18	<0.1	249	1.4
200303040050		56.8	<0.002	0.22	0.05	1	0.6	64.8	<0.05	<0.05	<0.2	0.12	0.51	0.1	250	1.2
200303040051		84.4	0.004	0.09	0.15	1	0.4	69.7	<0.05	<0.05	1.1	0.13	0.64	0.1	237	0.8
200303040052		81.8	0.003	0.01	0.11	1	0.5	74.5	<0.05	0.06	0.5	0.21	0.56	0.1	274	1.4
200303040053		65.9	0.003	0.02	0.08	1	0.7	84.1	<0.05	<0.05	0.5	0.20	0.45	0.1	239	0.9
200303040054		57.1	0.003	<0.01	0.06	1	0.8	60.5	<0.05	<0.05	0.2	0.17	0.38	<0.1	229	0.8
200303040055		14.6	0.003	0.04	0.07	1	2.9	31.3	<0.05	<0.05	0.2	0.19	0.10	<0.1	268	0.7
200303040056		21.9	0.002	0.08	0.13	1	4.5	46.8	<0.05	<0.05	0.2	0.17	0.16	<0.1	218	1.0
200303040057		53.3	0.004	<0.01	0.28	1	1.8	133.5	<0.05	0.06	0.2	0.18	0.41	0.1	310	21.6
200303040058		92.6	0.003	0.09	0.12	1	31.9	91.0	<0.05	0.05	0.3	0.18	0.84	0.2	371	61.0
200303040059		21.2	0.005	0.01	0.11	1	58.2	25.5	<0.05	<0.05	<0.2	0.10	0.18	<0.1	172	363
200303040060		45.0	0.004	<0.01	0.12	1	28.2	20.4	<0.05	<0.05	<0.2	0.06	0.31	<0.1	79	36.0
200303040061		27.4	0.003	0.03	0.09	1	27.8	22.9	<0.05	0.05	<0.2	0.05	0.20	<0.1	80	16.4
200303040062		352	0.004	0.07	0.15	2	67.6	15.6	<0.05	0.06	0.2	0.08	2.03	0.1	156	360
200303040063		327	0.004	0.45	0.08	2	102.0	28.5	0.07	0.06	0.2	0.12	2.16	0.2	231	15.2

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040064		147.0	0.003	0.43	0.07	1	29.7	51.3	<0.05	<0.05	0.2	0.10	1.08	<0.1	185	9.9
200303040065		104.5	0.003	0.02	0.06	1	12.1	53.1	<0.05	<0.05	<0.2	0.11	0.78	<0.1	188	3.1
[illegible]3040066		32.8	0.003	0.02	<0.05	1	7.4	33.2	<0.05	<0.05	<0.2	0.13	0.24	<0.1	267	2.5
200303040067		196.5	0.003	0.05	0.09	1	4.8	54.1	<0.05	<0.05	0.2	0.21	1.25	0.1	269	1.5
200303040068		123.0	0.004	0.01	0.08	1	3.9	64.5	<0.05	<0.05	<0.2	0.19	0.93	<0.1	243	1.6
200303040069		470	0.003	0.01	0.10	1	50.1	16.2	<0.05	<0.05	<0.2	0.17	3.21	0.1	251	1.4
200303040070		510	0.004	0.66	0.08	1	49.5	6.1	<0.05	<0.05	<0.2	0.11	3.71	0.1	233	1.2
200303040071		297	0.003	0.26	0.08	1	25.5	54.4	0.05	<0.05	<0.2	0.17	2.02	0.1	168	1.0
200303040072		250	0.004	0.07	0.05	1	3.4	61.1	<0.05	<0.05	<0.2	0.22	1.60	0.1	258	1.2
200303040073		36.3	0.004	0.32	0.08	2	2.2	40.7	<0.05	<0.05	<0.2	0.17	0.25	0.1	242	1.1
200303040074		177.0	0.004	0.09	0.05	1	1.4	62.2	<0.05	<0.05	<0.2	0.22	1.04	<0.1	293	1.1
200303040075		203	0.005	0.08	0.09	1	0.6	82.9	<0.05	<0.05	0.2	0.22	1.24	0.1	263	1.6
200303040076		143.5	0.003	0.03	0.08	1	0.7	63.3	<0.05	<0.05	<0.2	0.21	0.87	<0.1	276	1.4
200303040077		203	0.004	0.06	0.08	1	4.5	56.3	<0.05	<0.05	<0.2	0.21	1.28	<0.1	275	1.1
200303040078		118.5	0.012	0.45	0.09	1	10.2	57.6	<0.05	<0.05	<0.2	0.19	0.94	<0.1	210	1.3
200303040079		177.5	0.016	0.04	0.25	1	2.5	79.0	<0.05	0.06	0.2	0.20	1.16	0.1	213	1.0
200303040080		289	0.003	0.14	0.12	2	4.7	70.2	<0.05	<0.05	0.2	0.21	1.86	0.1	285	3.8
200303040081		490	0.003	0.15	0.09	1	19.0	78.0	<0.05	<0.05	0.2	0.23	3.33	0.1	238	1.4
200303040082		161.5	0.003	0.34	0.10	1	37.1	75.3	<0.05	<0.05	0.5	0.17	1.12	0.1	273	14.2
200303040083		770	0.006	0.37	0.08	1	39.6	31.8	0.07	<0.05	0.2	0.21	4.38	0.2	273	76.2
200303040084		49.9	0.007	<0.01	0.05	1	5.9	5.0	<0.05	<0.05	0.7	0.01	0.40	0.1	21	195.5
200303040085		1.5	0.004	<0.01	0.05	1	4.3	6.0	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	19	18.6
0303040086		0.6	0.003	<0.01	0.08	1	2.4	2.9	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	16	10.0
0303040087		0.8	<0.002	<0.01	0.22	1	2.5	3.6	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	10	1.1
200303040088		332	<0.002	0.22	0.11	1	46.5	19.5	0.08	<0.05	<0.2	0.09	2.03	0.1	121	3.0
200303040089		6.5	<0.002	<0.01	0.05	1	2.4	2.5	<0.05	<0.05	<0.2	<0.01	0.03	<0.1	8	75.9
200303040090		318	<0.002	0.24	0.07	1	43.4	17.2	<0.05	<0.05	<0.2	0.09	1.96	0.1	112	3.1
200303040091		490	<0.002	0.03	0.06	1	46.3	26.1	0.07	<0.05	0.2	0.10	2.95	0.1	192	0.6
200303040092		323	<0.002	0.06	0.08	1	28.9	26.2	0.06	<0.05	0.2	0.08	2.29	0.1	193	0.7
200303040093		424	<0.002	0.01	0.05	1	13.6	26.7	<0.05	<0.05	0.2	0.13	2.94	0.1	207	0.4
200303040094		83.8	<0.002	0.06	0.24	1	3.0	83.8	<0.05	<0.05	<0.2	0.18	0.62	0.1	210	0.6
200303040095		28.5	<0.002	0.01	0.35	1	2.4	93.6	<0.05	<0.05	<0.2	0.19	0.18	0.1	217	0.6
200303040096		42.1	<0.002	<0.01	0.37	1	5.5	87.6	<0.05	<0.05	<0.2	0.19	0.23	0.1	204	0.6
200303040097		57.4	<0.002	0.13	0.22	1	19.2	85.9	<0.05	<0.05	<0.2	0.15	0.36	0.2	194	2.1
200303040098		42.4	<0.002	<0.01	0.10	1	44.6	40.1	<0.05	<0.05	<0.2	0.17	0.23	0.1	273	1.2
200303040099		10.3	<0.002	0.01	0.05	2	59.0	30.6	<0.05	<0.05	<0.2	0.14	0.07	0.2	232	5.7
200303040100		94.9	<0.002	0.01	0.05	1	58.2	30.0	<0.05	<0.05	<0.2	0.18	0.82	0.2	219	2.0
200303040101		14.2	<0.002	0.02	0.05	2	44.6	34.7	<0.05	<0.05	<0.2	0.11	0.17	0.2	174	52.3
200303040102		1.7	<0.002	0.02	0.11	2	38.4	41.2	<0.05	<0.05	<0.2	0.11	<0.02	0.2	190	5.5
200303040103		34.6	<0.002	0.01	<0.05	1	41.3	29.5	<0.05	<0.05	<0.2	0.13	0.26	0.1	182	5.4

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040104		64.3	<0.002	<0.01	<0.05	1	50.4	21.5	<0.05	<0.05	<0.2	0.10	0.55	0.2	196	3.1
200303040105		69.5	<0.002	<0.01	<0.05	1	61.3	16.5	<0.05	<0.05	<0.2	0.08	0.58	0.1	159	7.1
[illegible]3040106		5.4	<0.002	0.01	0.05	1	51.4	33.4	0.05	<0.05	<0.2	0.09	0.05	0.1	158	36.8
200303040107		94.9	<0.002	0.10	0.12	3	33.0	32.9	<0.05	<0.05	<0.2	0.09	0.65	<0.1	164	0.9
200303040108		208	<0.002	0.06	<0.05	2	46.7	15.1	0.09	<0.05	<0.2	0.09	1.56	0.1	183	2.2
200303040109		356	<0.002	0.06	<0.05	2	38.9	16.8	<0.05	<0.05	<0.2	0.09	2.65	0.1	170	1.4
200303040110		71.0	<0.002	0.03	<0.05	2	35.7	14.6	<0.05	<0.05	<0.2	0.09	0.60	<0.1	155	0.5
200303040111		7.0	<0.002	0.01	<0.05	2	41.7	26.1	<0.05	<0.05	<0.2	0.11	0.07	<0.1	160	1.1
200303040112		39.7	<0.002	0.01	<0.05	1	17.4	42.8	<0.05	<0.05	<0.2	0.15	0.46	0.1	233	0.7
200303040113		90.6	<0.002	<0.01	<0.05	1	14.8	25.5	<0.05	<0.05	<0.2	0.10	0.73	0.1	246	0.7
200303040114		89.6	<0.002	<0.01	0.07	1	9.5	47.1	<0.05	<0.05	<0.2	0.14	0.71	0.1	208	2.3
200303040115		39.2	<0.002	<0.01	0.05	1	6.6	24.0	<0.05	<0.05	<0.2	0.10	0.28	<0.1	224	1.2
200303040116		79.8	<0.002	<0.01	<0.05	1	9.0	36.4	<0.05	<0.05	<0.2	0.14	0.60	0.1	218	1.6
200303040117		42.7	<0.002	<0.01	<0.05	1	11.4	21.3	<0.05	<0.05	<0.2	0.11	0.32	<0.1	251	2.0
200303040118		51.4	<0.002	<0.01	0.07	1	17.2	43.7	<0.05	<0.05	<0.2	0.15	0.39	0.1	216	4.3
200303040119		55.5	<0.002	<0.01	0.05	1	19.4	39.1	<0.05	<0.05	<0.2	0.14	0.43	0.1	225	3.4
200303040120		179.5	<0.002	<0.01	0.05	1	40.6	29.1	<0.05	<0.05	<0.2	0.11	1.41	0.1	203	5.8
200303040121		72.2	<0.002	<0.01	0.15	1	2.0	84.4	<0.05	<0.05	<0.2	0.15	0.50	0.1	177	0.7
200303040122		98.3	<0.002	0.20	0.07	2	0.2	79.4	<0.05	<0.05	<0.2	0.20	0.71	0.1	295	0.8
200303040123		63.4	<0.002	0.13	0.18	2	9.2	129.5	<0.05	<0.05	<0.2	0.16	0.48	0.2	297	5.8
200303040124		270	<0.002	0.02	0.12	1	27.1	100.0	0.19	<0.05	<0.2	0.16	1.73	0.1	240	1.1
200303040125		337	0.004	0.13	0.23	2	29.4	44.9	0.05	<0.05	<0.2	0.09	2.00	0.3	91	110.5
[illegible]0303040126		397	<0.002	0.04	0.08	2	36.5	66.0	0.06	<0.05	<0.2	0.17	2.56	0.1	282	1.7
[illegible]0303040127		355	<0.002	<0.01	0.15	2	17.0	104.0	<0.05	<0.05	<0.2	0.17	2.24	0.1	234	2.2
200303040128		154.5	0.002	0.04	0.05	2	60.6	67.1	0.05	<0.05	<0.2	0.16	1.04	0.2	225	120.5
200303040129		69.0	<0.002	0.08	0.11	3	67.8	53.8	<0.05	<0.05	<0.2	0.11	0.45	0.3	224	75.3
200303040130		93.0	0.003	0.09	0.06	8	44.0	40.7	0.09	<0.05	0.6	0.11	0.76	0.3	151	148.0
200303040131		23.8	0.002	0.09	0.19	6	64.9	39.9	0.10	<0.05	0.2	0.09	0.26	0.5	166	133.5
200303040132		43.9	<0.002	0.06	0.08	2	57.2	45.7	<0.05	<0.05	0.2	0.10	0.30	0.4	165	47.8
200303040133		16.8	<0.002	0.01	0.08	1	13.2	11.0	<0.05	<0.05	<0.2	0.02	0.10	0.1	44	146.5
200303040134		126.0	0.002	0.01	<0.05	2	41.5	49.2	<0.05	<0.05	<0.2	0.12	0.86	0.2	133	185.0
200303040135		250	0.003	0.20	0.06	3	111.0	37.3	0.12	<0.05	0.2	0.16	1.58	0.5	189	232
200303040136		76.6	0.003	0.21	<0.05	4	110.0	43.4	<0.05	<0.05	<0.2	0.13	0.49	0.3	185	276
200303040137		85.7	<0.002	0.01	<0.05	2	67.5	49.8	<0.05	<0.05	<0.2	0.13	0.60	0.2	216	76.9
200303040138		83.4	<0.002	0.10	0.06	4	84.9	48.6	0.05	<0.05	<0.2	0.16	0.60	0.2	216	9.7
200303040139		167.5	<0.002	0.08	<0.05	3	74.5	36.9	0.05	<0.05	<0.2	0.12	1.18	0.2	190	195.0
200303040140		17.4	<0.002	0.01	<0.05	2	72.4	35.2	<0.05	<0.05	<0.2	0.15	0.11	0.1	256	4.8
200303040141		46.7	<0.002	0.04	0.05	1	58.5	79.8	<0.05	<0.05	<0.2	0.22	0.30	0.4	271	32.9
200303040142		43.1	<0.002	0.13	0.05	2	55.4	99.9	<0.05	<0.05	<0.2	0.21	0.26	0.5	279	70.8
200303040143		230	<0.002	0.01	0.06	2	80.0	21.9	13.80	<0.05	3.4	0.03	1.17	8.3	54	3.7

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040024		0.1	5	1.1
200303040025		0.3	13	0.8
3040026		2.2	51	1.5
200303040027		4.4	94	2.0
200303040028		6.6	96	2.2
200303040029		6.9	78	1.8
200303040030		6.7	65	2.3
200303040031		8.1	71	2.3
200303040032		8.3	65	2.6
200303040033		5.3	66	1.9
200303040034		5.9	70	2.0
200303040035		9.4	116	2.2
200303040036		5.7	104	0.8
200303040037		10.0	140	1.6
200303040038		6.8	126	1.4
200303040039		4.8	108	2.3
200303040040		4.4	204	2.8
200303040041		7.4	72	1.9
200303040042		8.2	128	2.4
200303040043		8.7	109	3.1
200303040044		2.6	186	1.2
200303040045		2.9	188	1.4
0303040046		3.2	172	1.6
0303040047		2.7	153	1.6
200303040048		4.1	93	2.0
200303040049		5.8	65	2.5
200303040050		5.2	67	1.6
200303040051		5.8	73	3.7
200303040052		8.0	73	2.7
200303040053		8.9	64	4.7
200303040054		7.2	67	2.2
200303040055		8.1	73	2.5
200303040056		8.0	62	3.7
200303040057		7.9	49	7.9
200303040058		8.9	70	6.5
200303040059		4.8	116	1.2
200303040060		2.4	54	0.9
200303040061		2.0	59	0.9
200303040062		5.5	159	1.5
200303040063		6.5	158	2.2

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040064		3.9	84	1.9
200303040065		4.2	78	1.5
200303040066		6.5	77	1.8
200303040067		9.3	81	2.3
200303040068		7.3	71	1.7
200303040069		8.2	120	1.7
200303040070		3.3	134	1.4
200303040071		7.5	91	1.6
200303040072		8.8	79	2.6
200303040073		9.3	69	2.0
200303040074		8.5	91	2.2
200303040075		8.6	76	3.0
200303040076		8.1	82	2.5
200303040077		7.8	85	2.3
200303040078		8.4	91	1.9
200303040079		7.4	80	2.5
200303040080		9.5	78	2.4
200303040081		9.5	91	1.6
200303040082		9.5	83	4.4
200303040083		7.2	162	2.1
200303040084		11.4	42	<0.5
200303040085		0.5	34	0.6
200303040086		0.3	24	1.0
200303040087		0.2	16	1.2
200303040088		4.4	82	1.9
200303040089		0.4	13	0.6
200303040090		4.2	77	1.4
200303040091		4.8	97	2.3
200303040092		3.7	86	2.5
200303040093		6.0	83	2.3
200303040094		8.7	57	2.5
200303040095		8.7	87	2.9
200303040096		8.3	90	3.0
200303040097		8.0	67	3.0
200303040098		10.6	104	3.6
200303040099		9.5	106	2.7
200303040100		8.9	98	2.6
200303040101		6.0	100	2.4
200303040102		5.7	114	19.7
200303040103		6.5	114	2.2

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 30-Jul-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03026706

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61
	Analyte	Y	Zn	Zr
	Units	ppm	ppm	ppm
	LOR	0.1	2	0.5
200303040104		7.0	102	2.2
200303040105		5.9	98	1.9
200303040106		6.1	112	2.0
200303040107		4.4	97	1.8
200303040108		5.8	108	1.9
200303040109		4.3	110	1.7
200303040110		4.9	94	1.5
200303040111		5.9	74	1.9
200303040112		8.4	68	3.5
200303040113		4.9	82	2.0
200303040114		6.9	78	2.0
200303040115		4.4	89	2.0
200303040116		6.5	85	2.0
200303040117		5.3	102	2.3
200303040118		9.1	77	2.3
200303040119		8.7	89	2.2
200303040120		6.4	92	1.9
200303040121		7.3	55	2.7
200303040122		9.9	63	3.8
200303040123		7.7	35	4.3
200303040124		7.4	46	3.9
200303040125		3.7	89	1.1
200303040126		9.2	55	2.3
200303040127		8.0	51	2.0
200303040128		7.9	67	2.8
200303040129		6.0	52	2.9
200303040130		6.8	78	2.4
200303040131		6.4	64	2.4
200303040132		5.1	66	2.4
200303040133		1.3	29	1.2
200303040134		5.7	58	1.3
200303040135		10.2	87	2.7
200303040136		7.8	66	2.1
200303040137		7.9	56	2.3
200303040138		7.6	110	2.3
200303040139		6.3	99	2.4
200303040140		7.5	71	2.9
200303040141		9.0	63	4.7
200303040142		8.7	55	4.3
200303040143		14.0	43	36.3

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 5-Aug-2003
Account: THR

CERTIFICATE VA03027582

Project : Regal Ridge

P.O. No:

This report is for 122 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 26-Jul-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

20030304014 4-265

HOLES 3, 4, & 5

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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601-602 W HASTINGS ST
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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040144		0.32	0.08	8.87	<0.2	30	14.30	0.74	9.52	0.28	1.51	43.4	246	43.2	29.4	8.02
200303040145		0.26	0.07	8.34	0.4	80	15.35	0.53	7.73	0.25	1.54	41.8	318	73.5	69.8	6.93
20[illegible]3040146		0.44	0.14	6.67	<0.2	110	15.25	1.76	5.61	0.26	1.24	44.1	391	90.5	148.0	6.42
2[illegible]040147		0.56	0.12	7.02	<0.2	100	11.10	1.00	4.76	0.24	1.24	59.7	827	171.5	131.5	8.32
200303040148		0.34	0.13	7.48	<0.2	90	31.4	1.83	6.30	0.35	1.28	37.5	368	96.8	126.5	6.62
200303040149		0.34	0.19	8.48	0.3	100	24.2	2.58	4.94	0.23	2.17	35.9	229	140.5	286	5.85
200303040150		0.38	0.10	4.95	<0.2	20	66.6	0.84	6.17	0.27	1.38	38.3	295	92.0	145.0	6.31
200303040151		0.28	0.08	5.50	<0.2	20	35.1	1.25	7.77	0.37	1.44	44.3	427	21.1	134.0	8.05
200303040152		0.46	0.17	4.95	<0.2	70	20.4	1.79	5.55	0.24	0.93	41.1	493	38.5	116.5	5.91
200303040153		0.32	0.17	5.86	0.4	320	21.9	2.08	4.33	0.37	1.70	41.7	438	88.5	241	5.45
200303040154		0.26	0.07	8.62	0.8	710	11.50	0.61	5.97	0.13	1.66	39.5	340	54.5	89.0	6.48
200303040155		0.22	0.08	5.05	0.3	260	10.75	0.41	5.38	0.20	1.15	32.6	286	13.15	68.4	5.55
200303040156		0.34	0.15	9.23	<0.2	200	7.57	0.55	6.42	0.28	1.40	32.4	248	26.9	289	5.52
200303040157		0.34	0.09	7.68	0.6	440	8.64	0.36	6.09	0.17	1.40	36.4	284	43.3	77.9	5.98
200303040158		0.48	0.04	2.47	0.3	90	4.85	4.14	0.96	<0.02	0.33	9.6	168	9.03	67.7	1.35
200303040159		0.44	<0.02	2.39	0.4	10	5.04	5.47	0.70	<0.02	0.50	5.7	144	0.83	28.5	0.92
200303040160		0.40	<0.02	1.28	0.2	<10	7.15	0.02	0.26	<0.02	0.09	3.1	110	0.37	3.8	0.62
200303040161		0.46	0.15	2.49	0.8	10	10.50	2.50	0.47	<0.02	0.39	8.4	158	6.55	131.0	1.21
200303040162		0.38	0.34	10.55	0.3	100	46.3	9.26	8.55	0.29	2.89	45.7	283	153.5	304	7.74
200303040163		0.50	0.10	9.30	0.5	60	35.4	0.26	7.85	0.08	1.17	36.9	262	49.5	19.8	6.11
200303040164		0.56	0.17	10.75	0.6	60	13.05	1.08	8.99	0.22	1.68	37.4	251	47.1	278	7.03
200303040165		0.56	0.10	9.97	0.7	40	4.94	0.69	9.16	0.15	1.30	34.4	228	21.6	145.0	6.95
200[illegible]3040166		0.46	0.12	7.01	0.5	60	9.96	0.38	7.88	0.16	1.15	41.9	210	18.65	63.1	6.39
2[illegible]040167		0.44	0.03	9.21	0.3	330	17.10	0.25	7.22	0.29	1.30	45.3	204	81.3	55.8	6.34
200303040168		0.50	0.14	4.40	1.4	90	8.84	1.18	5.50	0.35	0.88	26.2	402	33.6	79.4	5.73
200303040169		0.50	0.27	4.40	1.0	280	9.42	1.88	5.53	0.46	0.73	26.8	583	83.9	194.5	6.75
200303040170		0.40	0.23	3.73	1.1	70	10.70	2.37	5.26	0.87	0.75	134.5	458	26.6	763	5.11
200303040171		0.36	0.24	3.70	0.6	480	12.65	1.97	5.19	0.59	0.57	54.4	610	108.0	439	6.05
200303040172		0.52	0.02	1.24	0.9	10	1.88	1.96	0.16	<0.02	0.10	3.6	102	2.18	19.4	0.66
200303040173		0.56	0.14	2.61	0.9	200	11.15	3.77	2.01	0.10	0.43	14.3	236	34.7	84.8	2.97
200303040174		0.42	0.11	4.46	0.4	170	29.7	1.55	5.15	0.45	1.28	42.0	279	28.0	167.5	5.55
200303040175		0.44	0.12	5.26	0.3	210	35.2	1.13	4.86	0.27	1.82	55.8	265	35.6	207	5.16
200303040176		0.50	0.20	3.68	1.1	160	15.90	1.41	4.92	0.34	1.08	32.0	421	38.8	149.5	5.03
200303040177		0.44	0.18	3.79	0.7	120	20.8	1.01	5.37	0.32	1.23	37.2	445	37.8	127.5	5.32
200303040178		0.42	0.09	5.28	1.7	440	10.95	0.82	4.21	0.38	1.33	39.2	376	173.5	120.5	5.76
200303040179		0.58	0.09	6.91	1.4	410	3.82	0.49	4.57	0.15	1.50	35.9	290	194.5	71.3	5.31
200303040180		0.50	0.29	4.64	<0.2	220	2.24	0.62	5.74	0.42	0.93	65.6	501	172.0	413	7.06
200303040181		0.34	0.64	3.28	1.0	10	1.44	0.82	5.63	0.58	0.66	70.4	523	8.87	591	6.08
200303040182		0.60	0.41	5.16	0.5	50	2.68	0.74	5.91	0.40	1.08	64.5	348	11.95	405	5.62
200303040183		0.52	0.09	6.67	<0.2	40	0.74	0.35	7.75	0.15	1.19	37.8	208	17.00	56.0	6.23

Comments: REE's may not be totally soluble in MS61 method.

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Date : 5-Aug-2003
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CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040184		0.38	0.07	7.64	0.5	40	0.78	0.49	7.47	0.09	1.25	20.5	195	144.5	51.3	5.06
200303040185		0.64	0.09	8.89	<0.2	40	0.40	1.17	9.33	0.08	1.20	24.9	203	96.8	69.4	6.27
20[illegible]3040186		0.30	<0.02	2.77	0.9	<10	4.82	0.03	0.40	<0.02	0.06	6.8	162	2.97	25.1	1.10
2[illegible]3040187		0.32	0.07	4.65	<0.2	20	32.2	1.49	5.14	0.16	1.31	35.1	268	14.30	62.5	4.95
200303040188		0.54	0.05	7.25	1.7	30	27.9	1.19	7.92	0.21	1.27	27.8	182	19.15	41.8	5.38
200303040189		0.56	0.17	7.25	<0.2	20	26.8	1.04	7.36	0.23	1.60	37.2	226	18.60	213	6.26
200303040190		0.38	0.46	5.75	3.4	20	9.42	0.89	5.27	0.38	1.26	60.2	207	25.5	841	5.64
200303040191		0.48	0.10	5.08	0.4	170	33.1	0.63	5.09	0.22	1.30	48.7	406	177.0	110.5	6.22
200303040192		0.32	0.10	4.49	2.4	220	25.2	0.70	5.31	0.24	0.88	48.2	435	182.0	98.0	6.26
200303040193		0.42	0.09	4.76	1.2	90	24.7	1.29	4.47	0.26	0.72	37.5	263	73.2	87.0	4.70
200303040194		0.44	0.08	7.14	<0.2	30	46.0	0.67	7.69	0.24	1.44	39.3	243	16.10	33.5	6.28
200303040195		0.34	0.13	7.59	0.4	30	31.8	1.36	8.16	0.28	1.27	33.0	232	22.2	106.0	5.95
200303040196		0.64	0.12	8.08	0.3	30	22.9	1.19	8.68	0.24	1.38	38.4	247	32.3	70.7	6.61
200303040197		0.36	0.14	8.30	0.8	20	22.1	1.08	8.00	0.21	1.46	33.8	262	29.3	208	6.29
200303040198		0.44	0.12	4.69	0.5	10	16.95	0.63	4.42	0.20	0.88	29.0	205	11.45	89.9	4.27
200303040199		0.44	0.11	8.30	<0.2	20	34.6	0.87	8.52	0.25	1.46	35.7	234	28.4	87.1	6.53
200303040200		0.36	0.13	7.04	<0.2	110	34.1	1.56	6.14	0.21	1.87	38.0	282	118.0	115.0	5.85
200303040201		0.28	<0.02	0.32	1.0	<10	0.76	0.06	1.00	<0.02	0.05	1.6	132	2.90	7.6	0.40
200303040202		0.36	<0.02	1.17	0.6	<10	4.16	0.38	0.14	<0.02	0.07	2.7	127	6.42	8.9	0.63
200303040203		0.36	0.03	2.33	0.6	20	11.95	0.35	0.81	<0.02	0.20	5.2	124	24.6	38.1	0.91
200303040204		0.50	0.05	7.17	<0.2	250	58.2	0.34	5.70	0.10	1.75	39.3	316	181.5	43.1	6.09
200303040205		0.50	0.15	6.78	0.6	60	34.9	0.59	6.59	0.27	1.53	39.9	294	49.3	106.0	6.32
20[illegible]3040206		0.48	0.06	6.00	<0.2	40	17.85	0.74	5.59	0.23	0.91	36.3	269	29.5	52.3	4.90
2[illegible]3040207		0.56	0.07	7.20	0.4	80	6.94	0.50	7.04	0.16	1.57	36.1	280	29.5	62.1	6.16
200303040208		0.44	0.08	4.49	<0.2	40	7.49	0.79	5.25	0.26	0.90	40.9	438	40.5	65.3	5.55
200303040209		0.38	0.04	6.21	<0.2	40	5.63	0.41	5.88	0.17	1.24	32.5	213	25.0	53.3	5.59
200303040210		0.42	0.11	7.25	0.3	60	1.44	0.57	5.27	0.12	1.05	26.7	125	69.3	82.3	5.69
200303040211		0.44	0.07	6.19	0.5	80	1.30	0.40	4.53	0.11	0.94	35.2	450	189.0	81.3	5.82
200303040212		0.58	0.08	6.24	0.7	30	1.56	0.79	6.54	0.11	1.38	38.4	295	32.4	91.3	5.60
200303040213		0.44	0.05	7.21	0.7	60	0.84	0.24	5.57	0.09	1.48	39.7	244	91.5	19.6	4.90
200303040214		0.34	0.04	5.99	0.4	90	3.40	0.30	5.66	0.17	1.18	45.9	449	298	16.8	6.74
200303040215		0.38	0.07	7.84	1.2	50	6.43	0.59	7.83	0.14	1.41	37.6	277	62.1	70.4	6.27
200303040216		0.38	0.11	7.37	<0.2	90	12.45	0.29	6.20	0.18	1.02	31.3	212	104.0	59.9	4.59
200303040217		0.48	0.06	8.26	0.3	110	31.7	0.65	7.22	0.11	2.10	37.5	278	159.5	33.6	5.83
200303040218		0.24	0.04	2.77	0.8	110	14.25	4.55	0.85	0.12	1.41	8.8	174	101.5	76.0	1.64
200303040219		0.58	<0.02	0.56	2.2	<10	1.14	0.41	0.18	<0.02	0.14	1.6	120	3.00	10.8	0.41
200303040220		0.40	<0.02	0.37	2.7	10	4.43	0.04	0.16	<0.02	0.14	0.8	132	8.67	5.7	0.30
200303040221		0.38	<0.02	1.21	3.7	30	27.9	1.17	0.59	<0.02	0.14	2.2	193	20.3	10.9	0.41
200303040222		0.32	0.06	7.50	1.5	240	23.4	0.71	6.39	0.15	1.49	41.5	296	203	59.4	6.20
200303040223		0.40	0.05	5.36	0.8	150	10.60	0.49	5.12	0.08	1.09	33.7	312	98.9	33.4	4.87

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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040224		0.52	0.05	4.33	4.6	100	6.99	1.53	5.16	0.25	0.90	48.0	586	123.0	67.9	5.58
200303040225		0.36	0.03	7.11	1.4	270	5.86	0.54	5.29	0.12	0.95	38.1	331	170.5	18.4	4.87
200303040226		0.46	0.05	7.05	0.8	110	0.87	0.24	6.91	0.06	1.11	39.8	220	50.7	10.0	5.28
200303040227		0.46	0.07	9.45	0.3	30	0.41	0.24	7.10	0.03	1.36	36.1	251	14.55	49.9	5.94
200303040228		0.42	0.14	7.80	<0.2	40	1.36	0.29	7.03	0.04	1.22	42.7	224	27.7	90.9	5.64
200303040229		0.52	0.05	7.20	<0.2	170	8.80	0.32	5.99	0.07	1.21	41.9	336	125.0	32.0	6.22
200303040230		0.34	<0.02	8.03	1.1	50	114.5	0.13	1.22	<0.02	4.44	5.5	77	23.8	48.6	0.73
200303040231		0.44	0.03	6.93	0.2	140	13.40	0.30	4.51	0.02	1.51	26.6	237	155.0	32.7	4.28
200303040232		0.46	0.14	6.76	<0.2	120	1.64	0.37	4.43	0.05	0.75	48.9	455	174.0	90.8	5.98
200303040233		0.62	0.09	6.35	<0.2	70	0.76	0.34	5.44	0.03	0.66	60.4	637	47.8	43.6	6.68
200303040234		0.50	0.10	7.12	<0.2	50	0.38	0.41	5.12	0.02	0.74	53.9	587	68.2	46.0	6.64
200303040235		0.44	0.09	7.59	1.7	130	58.2	12.10	2.85	0.07	1.10	29.0	187	109.0	53.8	3.95
200303040236		0.60	0.06	7.04	0.3	480	43.8	1.80	3.47	0.11	1.66	37.0	305	260	69.5	5.67
200303040237		0.46	<0.02	2.59	0.7	50	30.1	6.93	0.89	<0.02	1.01	5.4	170	30.1	37.3	0.93
200303040238		0.44	0.08	5.30	1.2	100	43.1	2.57	3.64	0.08	1.07	26.6	274	97.2	29.7	3.68
200303040239		0.48	0.04	6.36	0.6	150	16.85	0.48	5.43	0.12	1.33	40.3	339	151.5	13.4	5.28
200303040240		0.36	0.06	8.12	1.5	220	26.8	0.51	6.44	0.10	1.35	38.7	317	125.0	28.8	6.03
200303040241		0.38	0.03	4.83	<0.2	110	146.5	4.91	2.43	0.03	0.78	13.4	200	62.1	38.9	2.28
200303040242		0.34	0.03	4.22	0.7	40	323	1.20	1.18	0.02	1.86	2.6	137	30.4	16.5	0.48
200303040243		0.40	0.07	6.26	4.0	100	17.90	0.80	5.61	0.16	1.24	45.3	395	88.4	76.1	6.12
200303040244		0.42	0.07	8.09	1.3	90	7.16	0.48	6.43	0.19	1.08	35.1	253	53.3	40.2	5.93
200303040245		0.48	0.11	8.87	1.0	40	13.40	0.61	8.13	0.25	1.31	39.5	277	27.1	83.6	6.82
200303040246		0.36	0.16	6.51	1.4	30	26.5	1.00	7.96	0.28	0.97	25.1	242	13.45	255	6.70
200303040247		0.46	0.24	5.26	3.0	20	20.6	1.41	4.67	0.15	0.61	13.6	222	12.90	254	5.86
200303040248		0.46	0.21	6.67	7.3	120	10.45	0.85	4.91	0.29	0.61	39.5	231	49.6	572	5.56
200303040249		0.34	0.19	8.70	1.3	160	10.30	0.94	6.02	0.13	1.12	43.4	237	60.3	134.5	6.05
200303040250		0.52	0.33	8.29	1.0	120	8.00	1.28	5.77	0.22	1.24	74.0	270	47.1	680	7.84
200303040251		0.52	0.26	8.70	0.5	60	8.14	1.20	6.67	0.20	1.08	61.4	251	31.0	463	7.68
200303040252		0.74	0.17	7.57	<0.2	40	8.71	0.88	7.97	0.22	1.14	38.1	235	21.7	145.0	6.72
200303040253		0.38	0.10	6.85	0.2	30	9.22	0.44	8.26	0.22	0.93	22.9	221	10.10	64.2	6.74
200303040254		0.52	0.14	7.44	0.7	30	10.35	1.06	6.15	0.16	1.22	53.9	271	13.90	266	6.00
200303040255		0.42	0.20	6.05	0.7	110	20.5	5.00	5.85	0.21	1.38	51.2	291	131.5	460	6.08
200303040256		0.42	0.04	1.96	2.6	10	102.5	2.76	0.34	<0.02	0.50	7.5	184	13.75	58.5	1.10
200303040257		0.50	0.14	4.59	3.2	100	24.9	2.85	2.65	<0.02	1.06	17.7	223	63.6	154.0	4.02
200303040258		0.48	0.13	6.69	2.3	70	5.90	0.71	6.85	0.16	0.91	37.5	240	31.2	106.0	6.29
200303040259		0.40	0.14	7.48	1.3	60	7.22	0.47	7.27	0.09	1.25	35.9	231	28.0	78.0	6.07
200303040260		0.40	0.10	8.32	<0.2	40	2.18	0.42	7.63	0.12	1.30	31.0	225	13.20	38.8	5.85
200303040261		0.52	0.14	7.68	0.6	120	1.94	0.61	5.08	0.12	0.85	27.0	245	67.5	101.5	5.66
200303040262		0.36	0.12	9.10	<0.2	100	0.73	0.36	6.51	0.09	1.07	32.4	242	77.9	56.2	6.09
200303040263		0.50	0.20	9.00	2.2	90	0.27	0.50	5.78	0.08	1.00	41.0	256	36.9	102.0	5.97

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Date : 5-Aug-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303040264		0.64	0.22	9.07	2.9	60	0.26	0.32	7.18	0.06	1.38	44.4	275	12.90	94.8	7.28
200303040265		0.40	0.23	8.83	2.6	60	0.16	0.35	6.42	0.07	1.48	49.2	300	15.35	109.5	7.48

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CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040144		12.95	0.19	0.4	0.033	0.47	0.6	36.1	7.49	1825	0.18	1.44	1.4	134.0	60	5.3
200303040145		10.90	0.14	0.3	0.028	1.10	0.6	60.1	6.90	1605	0.72	1.53	1.7	146.5	80	5.9
2[illegible]3040146		7.58	0.12	0.2	0.025	0.80	0.5	124.5	7.47	1565	0.25	1.35	0.9	199.0	50	3.2
2[illegible].3040147		8.45	0.15	0.1	0.013	1.03	0.6	240	10.05	1745	0.55	0.37	0.5	379	<10	1.2
200303040148		10.85	0.10	0.2	0.043	0.59	0.5	69.3	7.03	1630	0.33	1.19	1.5	178.0	40	2.0
200303040149		13.10	0.11	0.3	0.044	0.98	0.8	78.5	4.93	1360	1.04	1.52	2.0	149.5	70	3.0
200303040150		11.40	0.10	0.2	0.034	0.25	0.6	68.4	6.55	1780	0.26	0.60	1.1	177.5	30	1.0
200303040151		13.50	0.09	0.2	0.051	0.23	0.7	64.1	8.90	2520	0.65	0.85	1.4	215	30	1.1
200303040152		9.40	0.10	0.2	0.035	0.45	<0.5	78.2	7.50	1730	0.26	0.59	1.1	243	20	1.4
200303040153		11.20	0.08	0.1	0.039	0.84	0.7	126.5	5.79	1555	2.35	0.83	1.8	203	70	1.9
200303040154		11.35	0.09	0.2	0.029	0.70	0.7	102.5	6.77	1465	0.48	1.47	1.0	149.5	120	2.2
200303040155		8.49	0.06	0.2	0.027	0.21	0.5	48.6	5.64	1360	3.84	0.95	1.5	99.1	50	1.1
200303040156		10.20	0.05	0.2	0.030	0.35	0.6	58.2	5.07	1200	0.34	1.98	0.3	75.2	70	2.6
200303040157		10.95	0.07	0.2	0.035	0.59	0.6	94.1	6.30	1425	1.94	1.29	0.7	134.5	120	2.0
200303040158		9.94	<0.05	<0.1	<0.005	0.03	<0.5	27.0	0.96	297	0.83	0.19	0.4	39.2	120	1.1
200303040159		12.20	<0.05	0.1	<0.005	0.01	<0.5	28.7	0.72	226	4.62	0.18	0.5	22.2	390	1.1
200303040160		5.79	<0.05	<0.1	<0.005	<0.01	<0.5	16.4	0.40	102	0.90	0.11	0.1	6.6	30	<0.5
200303040161		11.05	<0.05	0.1	<0.005	0.03	<0.5	31.1	0.80	201	5.22	0.18	0.3	19.7	230	0.9
200303040162		20.6	0.07	0.3	0.073	0.98	1.3	127.5	5.28	1680	0.22	1.21	3.2	109.0	120	3.3
200303040163		12.50	0.06	0.2	0.024	0.53	0.5	89.6	6.06	1680	0.56	2.04	3.0	96.6	40	2.8
200303040164		15.40	0.07	0.3	0.057	0.44	0.7	59.7	5.51	1400	0.09	1.88	0.8	87.4	270	3.1
200303040165		14.30	0.06	0.3	0.055	0.26	0.5	38.9	5.69	1445	0.68	1.79	0.4	81.4	210	2.7
20[illegible]3040166		10.95	0.05	0.3	0.037	0.31	0.5	32.1	6.56	1560	0.11	1.29	0.6	104.5	170	1.5
2[illegible]3040167		10.30	0.06	0.2	0.032	0.99	0.5	78.2	6.68	1525	0.29	2.29	0.9	156.5	60	3.2
200303040168		5.80	0.07	0.1	0.025	0.27	<0.5	44.8	7.71	1475	0.11	0.49	0.3	127.5	120	1.3
200303040169		6.40	0.09	0.1	0.024	0.85	<0.5	91.6	8.52	1575	0.93	0.41	1.0	144.0	20	1.6
200303040170		6.60	0.16	0.1	0.026	0.21	<0.5	37.4	7.40	1430	0.22	0.40	0.5	587	10	2.3
200303040171		9.49	0.15	0.1	0.039	1.22	<0.5	139.0	8.57	1570	1.03	0.36	2.3	267	10	1.8
200303040172		5.04	<0.05	<0.1	<0.005	0.01	<0.5	15.8	0.45	63	0.58	0.09	0.3	18.9	10	0.9
200303040173		8.20	0.08	0.1	0.029	0.38	<0.5	63.7	3.38	667	3.13	0.23	1.7	93.0	80	1.4
200303040174		14.00	0.14	0.2	0.061	0.41	0.5	65.3	6.49	1580	0.26	0.55	7.1	237	150	2.4
200303040175		14.45	0.14	0.2	0.062	0.56	0.8	55.7	5.32	1365	1.63	0.66	1.9	333	300	2.8
200303040176		8.16	0.12	0.1	0.036	0.40	<0.5	65.3	6.98	1360	0.24	0.41	1.6	229	110	1.9
200303040177		7.94	0.13	0.1	0.031	0.32	0.5	60.1	7.41	1450	1.05	0.43	1.4	217	90	2.4
200303040178		7.02	0.16	0.1	0.027	1.35	0.6	164.0	7.38	1140	0.23	0.63	0.7	214	100	2.5
200303040179		8.77	0.14	0.1	0.032	1.26	0.6	166.0	6.34	1020	0.68	1.48	0.3	148.0	120	3.9
200303040180		6.30	0.16	0.1	0.030	0.86	<0.5	127.0	8.47	1440	0.22	0.74	0.2	293	60	2.2
200303040181		5.17	0.15	0.1	0.034	0.04	<0.5	19.3	7.52	1355	1.26	0.35	0.1	314	20	1.3
200303040182		8.14	0.14	0.2	0.048	0.15	<0.5	27.7	6.21	1250	0.23	1.02	0.2	228	80	2.5
200303040183		11.90	0.13	0.3	0.051	0.16	<0.5	44.2	6.87	1410	0.24	1.41	0.3	105.5	40	2.3

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040184		15.55	0.12	0.2	0.057	0.17	0.5	27.7	3.58	920	0.31	1.28	0.3	78.9	140	2.7
200303040185		20.8	0.14	0.3	0.094	0.40	0.5	26.7	3.97	1120	0.32	0.79	0.3	83.0	110	2.3
20[illegible]3040186		5.19	0.07	<0.1	<0.005	0.01	<0.5	19.5	0.91	108	4.71	0.21	0.1	19.6	<10	1.2
2[illegible]040187		12.45	0.13	0.1	0.038	0.18	0.6	51.2	5.25	1210	0.28	0.69	1.3	144.0	10	1.8
200303040188		15.65	0.12	0.2	0.066	0.24	0.5	30.4	4.54	1160	1.45	0.91	1.0	71.1	190	3.6
200303040189		14.75	0.14	0.2	0.062	0.23	0.6	33.0	5.01	1220	0.17	1.13	0.6	85.9	130	3.3
200303040190		10.45	0.15	0.2	0.052	0.21	0.5	37.5	4.75	973	3.62	0.79	0.2	91.0	110	2.9
200303040191		10.85	0.16	0.1	0.023	1.63	0.5	213	7.81	1300	1.30	0.67	2.4	280	70	2.3
200303040192		13.25	0.17	0.1	0.028	1.78	<0.5	229	8.62	1495	0.69	0.44	3.9	364	20	22.9
200303040193		10.35	0.14	0.1	0.025	0.72	<0.5	115.0	6.24	1150	0.13	0.62	1.9	228	50	2.6
200303040194		16.10	0.14	0.2	0.043	0.24	0.6	48.8	6.23	1335	0.11	1.46	2.2	103.5	50	3.7
200303040195		17.20	0.13	0.3	0.049	0.27	0.5	34.2	4.85	1135	0.47	1.25	0.8	93.6	80	4.0
200303040196		17.25	0.14	0.3	0.055	0.33	0.5	33.3	5.25	1270	0.51	1.24	0.6	102.5	100	3.5
200303040197		16.85	0.12	0.3	0.061	0.32	0.6	33.9	4.52	1125	0.97	1.26	0.6	86.0	180	3.8
200303040198		9.62	0.12	0.1	0.030	0.16	<0.5	31.8	3.87	844	4.48	0.80	0.8	81.2	80	2.2
200303040199		18.35	0.14	0.3	0.052	0.39	0.6	35.1	5.43	1270	0.30	1.40	1.1	95.6	100	4.0
200303040200		15.05	0.13	0.2	0.040	1.02	0.8	134.5	5.40	1285	0.33	1.23	2.4	103.5	60	3.4
200303040201		1.35	<0.05	<0.1	<0.005	0.01	<0.5	7.0	0.12	49	1.86	0.03	<0.1	8.3	<10	<0.5
200303040202		5.58	<0.05	<0.1	<0.005	0.03	<0.5	15.3	0.33	105	0.87	0.10	<0.1	7.5	<10	0.8
200303040203		7.27	0.06	<0.1	<0.005	0.27	<0.5	30.0	0.62	144	1.48	0.27	<0.1	14.3	30	1.4
200303040204		16.50	0.15	0.2	0.025	1.70	0.7	202	6.04	1550	0.09	1.33	11.3	111.0	10	3.5
200303040205		13.25	0.13	0.2	0.033	0.48	0.6	67.0	6.11	1390	0.29	1.28	1.6	104.0	80	3.8
200[illegible]3040206		8.44	0.10	0.2	0.024	0.25	<0.5	46.8	5.35	1105	0.10	1.35	0.3	110.5	90	3.8
2[illegible]040207		14.30	0.11	0.2	0.055	0.50	0.6	57.2	5.96	1350	0.20	1.64	0.4	95.3	70	3.8
200[illegible]3040208		7.03	0.11	0.1	0.031	0.27	<0.5	77.9	6.54	1290	0.31	0.71	0.2	198.0	60	2.3
200303040209		11.50	0.10	0.2	0.046	0.27	0.5	49.0	5.42	1210	0.33	1.43	0.2	89.0	50	3.2
200303040210		12.70	0.11	0.2	0.041	0.44	<0.5	70.6	4.85	1075	0.17	1.85	0.3	49.2	50	4.0
200303040211		8.13	0.13	0.1	0.026	0.78	<0.5	125.5	6.44	1135	0.24	1.17	0.3	135.5	90	3.0
200303040212		13.55	0.10	0.2	0.056	0.20	0.6	40.7	5.01	1210	0.19	0.83	0.3	138.0	90	2.3
200303040213		9.77	0.09	0.2	0.032	0.45	0.6	95.7	5.48	1115	0.36	2.06	0.4	150.0	70	4.0
200303040214		8.93	0.12	0.1	0.038	1.16	<0.5	176.0	8.02	1360	0.42	1.10	0.3	187.0	60	2.5
200303040215		14.05	0.11	0.2	0.062	0.45	0.5	51.4	5.78	1275	0.52	1.49	0.4	109.5	110	3.5
200303040216		8.21	0.09	0.2	0.027	0.60	<0.5	76.3	5.42	1070	0.19	2.12	0.4	93.5	90	5.2
200303040217		13.30	0.11	0.2	0.045	1.00	0.8	119.5	5.88	1505	0.64	1.82	2.3	112.0	120	4.2
200303040218		7.63	0.06	<0.1	0.006	0.89	<0.5	88.7	1.30	302	51.8	0.43	1.1	23.0	480	1.9
200303040219		3.02	<0.05	<0.1	<0.005	0.01	<0.5	10.6	0.16	55	1.71	0.05	<0.1	5.4	70	0.7
200303040220		0.90	<0.05	<0.1	<0.005	0.10	<0.5	6.2	0.05	31	0.99	0.10	0.1	4.2	40	0.6
200303040221		3.58	0.05	<0.1	<0.005	0.19	<0.5	14.8	0.19	55	1.91	0.30	0.1	8.6	50	1.6
200303040222		13.65	0.14	0.2	0.051	1.46	0.6	206	6.05	1325	0.32	1.27	1.6	113.0	130	3.3
200303040223		9.28	0.11	0.1	0.030	0.78	<0.5	94.9	5.19	1050	0.79	0.97	0.6	111.5	70	2.5

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040224		7.68	0.13	0.1	0.030	0.61	<0.5	103.5	7.29	1355	0.36	0.36	0.3	343	20	1.4
200303040225		7.36	0.11	0.1	0.019	1.08	<0.5	153.5	6.55	1075	0.36	1.77	0.4	167.0	170	4.4
2[illegible]3040226		9.18	0.10	0.2	0.034	0.38	0.5	73.4	6.88	1255	0.06	1.90	0.3	97.7	100	3.3
2 3040227		16.25	0.10	0.2	0.043	0.20	0.6	61.0	5.54	1115	0.18	2.12	0.3	98.1	80	2.4
200303040228		13.15	0.10	0.2	0.050	0.35	0.5	65.6	6.51	1275	<0.05	2.07	0.3	111.0	60	2.4
200303040229		12.10	0.14	0.2	0.042	1.30	0.5	186.0	7.15	1405	0.14	1.38	1.7	162.5	40	2.3
200303040230		32.1	0.07	2.4	<0.005	0.56	1.7	42.6	0.52	527	0.41	3.83	35.6	20.9	50	8.6
200303040231		9.69	0.12	0.2	0.030	1.06	0.6	141.5	4.77	936	0.58	1.55	1.5	106.0	160	3.1
200303040232		7.78	0.13	0.1	0.028	0.98	<0.5	191.5	7.50	1155	0.10	1.11	0.4	237	140	2.2
200303040233		7.69	0.12	0.1	0.031	0.55	<0.5	131.5	8.87	1400	0.10	1.01	0.2	338	40	1.7
200303040234		8.58	0.11	0.1	0.034	0.40	<0.5	126.5	8.57	1310	0.05	1.17	0.2	308	50	1.7
200303040235		28.4	0.12	0.1	0.030	0.58	0.5	130.5	4.22	993	0.45	1.27	0.9	120.5	110	4.1
200303040236		13.05	0.17	0.1	0.048	2.72	0.7	350	6.26	1445	0.26	1.39	3.0	142.0	140	4.4
200303040237		10.05	0.06	<0.1	<0.005	0.35	<0.5	45.6	0.66	153	2.64	0.46	0.3	22.0	100	2.3
200303040238		11.55	0.11	0.1	0.018	0.97	0.5	95.3	4.25	765	1.17	1.10	0.4	144.0	40	3.1
200303040239		10.25	0.14	0.2	0.029	1.32	0.6	147.5	6.63	1150	0.23	1.38	0.5	213	70	3.8
200303040240		11.60	0.06	0.3	0.028	1.62	0.6	159.0	7.72	1400	0.22	2.18	1.7	207	70	4.5
200303040241		10.50	0.05	0.5	0.007	0.87	<0.5	74.9	2.56	550	10.30	1.36	1.4	66.4	30	2.9
200303040242		10.55	<0.05	2.1	<0.005	0.46	0.8	22.7	0.33	79	16.10	1.58	3.0	11.4	20	3.8
200303040243		10.70	0.09	0.4	0.028	1.02	0.5	133.5	7.33	1325	1.79	1.17	1.8	228	80	2.3
200303040244		11.40	0.07	0.4	0.031	0.61	<0.5	68.3	6.54	1135	0.35	2.41	0.5	86.7	50	4.1
200303040245		13.60	0.11	0.4	0.039	0.47	0.6	43.1	6.93	1335	0.47	2.42	1.2	132.5	50	4.2
200303040246		11.25	0.06	0.4	0.050	0.34	<0.5	33.5	7.78	1605	0.27	1.91	2.8	99.7	50	3.0
2 3040247		10.35	0.08	0.2	0.039	0.27	<0.5	34.0	5.11	1100	1.92	1.11	0.9	42.0	60	2.4
200303040248		8.43	0.07	0.3	0.038	0.73	<0.5	60.3	5.42	952	0.38	1.79	1.0	91.3	70	3.5
200303040249		10.55	0.07	0.4	0.038	0.83	0.5	86.4	5.21	1020	1.22	2.37	0.9	130.0	70	4.7
200303040250		12.55	0.12	0.3	0.049	0.72	0.6	62.8	4.32	994	0.51	2.13	0.5	114.5	80	4.4
200303040251		12.45	0.10	0.4	0.048	0.55	0.5	40.2	4.75	1070	1.34	2.52	0.6	115.5	90	4.8
200303040252		10.95	0.05	0.3	0.040	0.37	0.5	43.2	7.24	1365	0.72	2.15	0.6	131.0	70	3.6
200303040253		9.94	0.06	0.4	0.044	0.26	<0.5	24.1	7.98	1465	0.60	1.94	0.7	98.2	70	2.9
200303040254		10.60	0.07	0.3	0.034	0.27	0.5	31.9	5.21	1060	0.44	2.01	0.9	140.5	80	3.4
200303040255		16.15	0.06	0.3	0.033	1.60	0.6	261	6.69	1390	0.81	1.09	1.3	130.0	110	2.2
200303040256		8.60	<0.05	0.1	<0.005	0.08	<0.5	28.3	0.65	117	1.31	0.22	0.2	19.6	60	0.9
200303040257		9.53	0.05	0.1	0.023	0.75	<0.5	110.0	3.73	694	1.78	0.87	0.1	40.6	130	2.0
200303040258		8.74	0.08	0.3	0.027	0.45	<0.5	51.6	7.66	1365	0.87	1.96	0.3	88.6	50	2.7
200303040259		11.90	0.06	0.4	0.036	0.47	0.5	38.6	6.67	1300	1.16	1.91	0.6	107.5	70	2.4
200303040260		11.35	0.06	0.3	0.043	0.26	0.5	28.4	6.80	1245	0.34	2.40	0.3	120.5	60	2.5
200303040261		9.93	0.08	0.4	0.034	0.71	<0.5	79.1	5.62	957	1.55	2.07	0.3	76.5	70	2.9
200303040262		13.30	0.05	0.3	0.036	0.63	0.5	115.0	6.94	1225	1.30	2.58	0.3	93.6	120	2.7
200303040263		12.05	0.08	0.3	0.035	0.46	<0.5	72.3	5.55	946	2.22	2.86	0.3	117.5	110	2.6

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303040264		14.35	0.09	0.4	0.044	0.38	0.6	44.1	6.51	1245	1.08	2.63	0.3	112.0	90	1.8
200303040265		14.75	0.10	0.4	0.045	0.42	0.6	71.3	6.74	1230	0.77	2.24	0.3	116.0	50	1.7

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040144		61.8	<0.002	0.06	0.05	<1	24.3	67.1	<0.05	<0.05	<0.2	0.23	0.37	0.1	310	1.5
200303040145		164.0	<0.002	0.03	0.09	<1	25.3	67.6	<0.05	<0.05	<0.2	0.20	1.10	0.2	265	12.0
20[illegible]3040146		132.0	<0.002	0.01	<0.05	<1	42.2	29.8	<0.05	<0.05	<0.2	0.17	1.00	0.1	180	1.2
2[illegible]3040147		201	<0.002	<0.01	<0.05	<1	32.4	8.9	<0.05	<0.05	<0.2	0.12	1.57	0.1	220	4.5
200303040148		78.5	<0.002	<0.01	<0.05	<1	50.6	24.8	0.15	<0.05	<0.2	0.14	0.55	0.1	240	6.6
200303040149		125.5	<0.002	0.01	0.07	1	53.5	28.9	0.20	<0.05	0.2	0.17	0.89	0.3	252	13.8
200303040150		27.7	<0.002	<0.01	<0.05	<1	67.7	12.6	<0.05	<0.05	<0.2	0.12	0.18	0.1	209	73.8
200303040151		15.4	<0.002	<0.01	<0.05	<1	96.6	10.1	0.08	<0.05	0.2	0.14	0.09	0.1	269	43.5
200303040152		72.3	<0.002	0.01	<0.05	<1	48.4	16.8	0.05	<0.05	<0.2	0.09	0.47	0.1	194	3.1
200303040153		139.0	<0.002	0.02	<0.05	1	38.0	32.0	0.13	<0.05	0.2	0.11	0.92	0.1	178	11.8
200303040154		92.8	<0.002	0.01	0.05	<1	30.3	59.1	0.12	<0.05	<0.2	0.16	0.64	0.1	256	10.0
200303040155		19.0	<0.002	0.01	0.07	<1	36.5	23.6	0.27	<0.05	<0.2	0.14	0.16	0.1	209	7.4
200303040156		35.8	<0.002	0.12	0.07	<1	17.0	97.6	<0.05	<0.05	<0.2	0.14	0.44	0.2	227	1.7
200303040157		78.6	<0.002	0.01	0.08	<1	22.0	55.0	<0.05	<0.05	<0.2	0.18	0.54	0.1	257	20.2
200303040158		6.2	<0.002	0.01	<0.05	<1	17.4	13.1	<0.05	<0.05	<0.2	0.02	0.04	<0.1	36	41.9
200303040159		0.9	<0.002	<0.01	<0.05	<1	17.8	10.0	<0.05	<0.05	<0.2	0.02	<0.02	0.1	25	2.0
200303040160		0.4	<0.002	<0.01	<0.05	<1	4.8	5.8	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	19	1.8
200303040161		6.3	<0.002	0.01	<0.05	<1	18.8	11.4	<0.05	<0.05	<0.2	0.03	0.03	<0.1	36	91.8
200303040162		175.0	0.003	0.71	<0.05	1	84.1	72.1	0.32	0.05	0.2	0.26	1.02	0.6	311	320
200303040163		82.9	<0.002	0.06	<0.05	<1	57.1	66.6	0.14	<0.05	<0.2	0.23	0.51	0.1	250	2.3
200303040164		60.3	0.003	0.53	0.06	1	20.2	98.9	<0.05	<0.05	<0.2	0.24	0.38	0.3	329	17.1
200303040165		25.8	<0.002	0.32	<0.05	1	6.7	85.7	<0.05	<0.05	<0.2	0.20	0.15	0.2	318	9.5
20[illegible]3040166		32.2	<0.002	0.12	<0.05	<1	14.0	44.6	<0.05	<0.05	<0.2	0.19	0.18	0.3	287	6.3
2[illegible]3040167		128.5	<0.002	0.02	<0.05	<1	21.8	61.8	<0.05	<0.05	<0.2	0.21	0.95	0.2	268	1.1
200303040168		38.8	<0.002	0.08	<0.05	1	27.0	15.8	<0.05	<0.05	<0.2	0.10	0.34	0.1	173	0.4
200303040169		128.0	<0.002	0.30	<0.05	1	29.7	14.2	<0.05	<0.05	<0.2	0.07	1.06	0.1	164	0.4
200303040170		33.7	0.003	0.94	0.05	2	43.2	17.3	<0.05	<0.05	<0.2	0.05	0.31	0.1	136	0.1
200303040171		217	0.003	0.50	<0.05	2	47.3	12.1	0.18	<0.05	<0.2	0.07	1.63	0.1	156	0.2
200303040172		1.7	<0.002	0.02	<0.05	1	12.0	6.3	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	14	0.2
200303040173		72.4	<0.002	0.04	<0.05	1	49.1	11.4	<0.05	<0.05	<0.2	0.06	0.53	<0.1	83	1.0
200303040174		56.8	0.002	0.16	<0.05	1	138.0	14.8	0.76	<0.05	<0.2	0.13	0.46	0.2	194	6.7
200303040175		89.8	0.010	0.55	<0.05	2	117.0	26.2	<0.05	<0.05	<0.2	0.14	0.57	0.4	189	350
200303040176		60.3	<0.002	0.11	<0.05	1	46.8	14.9	<0.05	<0.05	0.2	0.07	0.50	0.1	152	16.1
200303040177		51.1	<0.002	0.07	<0.05	1	48.5	15.0	<0.05	<0.05	0.2	0.08	0.41	0.1	158	16.3
200303040178		236	<0.002	0.11	0.06	1	33.1	22.9	<0.05	<0.05	0.2	0.10	2.07	0.1	152	0.5
200303040179		207	<0.002	0.06	<0.05	1	12.3	48.9	<0.05	<0.05	<0.2	0.16	1.81	0.1	178	0.6
200303040180		139.5	0.002	0.68	<0.05	2	11.5	22.7	<0.05	<0.05	<0.2	0.09	1.08	<0.1	159	0.4
200303040181		2.4	0.003	1.05	<0.05	2	9.6	14.0	<0.05	<0.05	<0.2	0.05	0.06	<0.1	126	0.3
200303040182		18.6	0.002	0.60	<0.05	2	10.7	41.6	<0.05	<0.05	<0.2	0.11	0.17	0.1	172	0.3
200303040183		15.2	<0.002	0.09	<0.05	1	3.1	55.6	<0.05	<0.05	<0.2	0.19	0.10	0.1	263	0.7

Comments: REE's may not be totally soluble in MS61 method.

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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040184		25.4	<0.002	0.09	0.07	1	2.6	109.0	<0.05	<0.05	<0.2	0.16	0.14	0.1	257	5.3
200303040185		65.7	0.005	0.10	0.11	1	4.8	121.5	<0.05	<0.05	<0.2	0.18	0.37	0.1	331	210
2[illegible]3040186		3.5	<0.002	0.01	<0.05	1	4.8	20.9	<0.05	<0.05	<0.2	0.04	<0.02	<0.1	31	3.7
2[illegible] 3040187		22.9	<0.002	0.07	<0.05	1	49.0	25.2	0.16	<0.05	<0.2	0.10	0.15	0.1	176	27.9
200303040188		33.8	0.002	0.06	0.16	1	42.6	92.8	<0.05	<0.05	<0.2	0.15	0.21	0.3	270	4.1
200303040189		28.3	0.002	0.43	0.07	1	45.3	78.3	<0.05	<0.05	<0.2	0.18	0.17	0.2	296	1.7
200303040190		39.6	0.025	0.57	0.07	2	21.6	51.4	<0.05	<0.05	<0.2	0.14	0.37	0.1	248	0.8
200303040191		389	0.006	0.15	<0.05	1	60.5	20.0	0.06	<0.05	<0.2	0.12	3.01	0.1	188	0.3
200303040192		409	0.002	0.21	0.10	1	57.8	10.9	0.24	<0.05	<0.2	0.11	3.06	0.1	180	0.3
200303040193		160.0	<0.002	0.22	<0.05	1	44.4	25.7	0.10	<0.05	<0.2	0.10	1.16	0.1	142	0.2
200303040194		24.0	<0.002	0.05	0.08	1	53.4	62.8	0.07	<0.05	<0.2	0.19	0.16	0.1	285	1.3
200303040195		33.7	0.002	0.16	0.12	1	60.2	93.6	<0.05	<0.05	<0.2	0.18	0.23	0.1	273	1.5
200303040196		47.5	0.002	0.10	0.09	1	36.7	103.5	<0.05	<0.05	<0.2	0.19	0.30	0.1	304	5.6
200303040197		48.0	0.003	0.32	0.12	1	33.0	105.5	<0.05	<0.05	<0.2	0.19	0.30	0.2	299	6.1
200303040198		18.9	0.031	0.16	0.05	1	27.1	43.6	<0.05	<0.05	<0.2	0.12	0.11	0.1	158	1.4
200303040199		61.9	<0.002	0.17	0.06	1	47.5	94.1	0.05	<0.05	<0.2	0.19	0.39	0.2	302	7.4
200303040200		246	0.002	0.20	0.05	1	59.9	60.2	0.29	<0.05	<0.2	0.20	1.70	0.1	244	50.0
200303040201		3.5	<0.002	0.01	<0.05	1	2.0	1.9	<0.05	<0.05	<0.2	<0.01	0.02	<0.1	7	31.6
200303040202		9.0	<0.002	<0.01	<0.05	1	6.9	5.0	<0.05	<0.05	<0.2	0.01	0.04	<0.1	16	0.7
200303040203		66.0	<0.002	<0.01	<0.05	1	7.6	17.4	<0.05	<0.05	<0.2	0.02	0.39	<0.1	23	195.0
200303040204		450	<0.002	<0.01	<0.05	1	102.0	45.9	0.59	<0.05	<0.2	0.22	2.90	0.3	207	5.7
200303040205		97.6	<0.002	0.06	0.05	1	60.5	44.4	<0.05	<0.05	<0.2	0.20	0.75	0.1	277	0.8
2[illegible]3040206		44.6	<0.002	0.10	<0.05	1	35.6	49.6	<0.05	<0.05	<0.2	0.15	0.33	<0.1	158	0.3
2[illegible] 3040207		88.5	<0.002	0.13	<0.05	1	12.2	65.8	<0.05	<0.05	<0.2	0.19	0.61	0.1	290	0.5
200303040208		48.9	<0.002	0.11	<0.05	1	20.3	25.2	<0.05	<0.05	<0.2	0.10	0.47	0.1	145	0.6
200303040209		41.2	<0.002	0.13	<0.05	1	13.6	52.9	<0.05	<0.05	<0.2	0.13	0.29	0.1	240	0.3
200303040210		74.2	<0.002	0.12	<0.05	1	7.8	73.4	<0.05	<0.05	<0.2	0.15	0.53	0.1	225	0.5
200303040211		136.5	<0.002	0.11	<0.05	1	5.4	43.8	<0.05	<0.05	<0.2	0.14	1.02	0.1	174	0.2
200303040212		31.1	0.002	0.12	<0.05	1	5.2	64.6	<0.05	<0.05	<0.2	0.14	0.27	0.2	241	1.6
200303040213		78.2	<0.002	0.07	<0.05	1	2.9	70.9	<0.05	<0.05	<0.2	0.17	0.55	0.1	192	0.3
200303040214		200	<0.002	0.05	<0.05	1	8.2	30.7	<0.05	<0.05	<0.2	0.12	1.48	0.1	235	0.2
200303040215		81.0	<0.002	0.09	0.06	1	14.0	74.6	<0.05	<0.05	<0.2	0.20	0.61	0.1	295	0.9
200303040216		123.5	<0.002	0.01	<0.05	1	17.8	76.9	<0.05	<0.05	<0.2	0.17	1.00	0.1	172	0.2
200303040217		240	0.005	0.06	<0.05	1	63.5	69.7	0.27	<0.05	<0.2	0.21	1.66	0.2	249	0.3
200303040218		218	0.086	0.01	0.07	1	10.1	22.7	<0.05	<0.05	<0.2	0.05	1.36	0.1	49	5.0
200303040219		3.2	<0.002	<0.01	<0.05	1	2.6	2.7	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	9	0.6
200303040220		23.0	<0.002	<0.01	<0.05	1	0.8	3.0	<0.05	<0.05	<0.2	<0.01	0.10	<0.1	3	1.9
200303040221		42.4	<0.002	0.02	0.05	1	1.9	14.9	<0.05	<0.05	<0.2	0.01	0.23	<0.1	8	14.2
200303040222		332	0.004	0.21	0.06	1	49.2	54.7	0.09	<0.05	<0.2	0.21	2.19	0.1	266	0.9
200303040223		159.0	0.002	0.07	<0.05	1	30.1	39.8	<0.05	<0.05	<0.2	0.15	1.23	0.1	190	0.5

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CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040224		114.5	<0.002	0.05	0.06	1	23.8	14.3	<0.05	<0.05	<0.2	0.08	1.31	0.1	180	4.2
200303040225		181.0	<0.002	<0.01	0.05	1	13.6	66.4	<0.05	<0.05	<0.2	0.13	1.44	0.1	159	0.6
2[illegible]3040226		55.8	<0.002	<0.01	<0.05	1	2.5	65.7	<0.05	<0.05	<0.2	0.15	0.39	0.1	200	0.3
2 3040227		23.1	<0.002	0.01	0.07	1	0.4	103.0	<0.05	<0.05	<0.2	0.18	0.15	0.1	272	0.4
200303040228		53.4	<0.002	<0.01	<0.05	1	1.2	68.5	<0.05	<0.05	<0.2	0.17	0.31	0.1	265	0.8
200303040229		276	<0.002	<0.01	<0.05	1	25.2	46.8	0.15	<0.05	<0.2	0.16	2.00	0.2	243	0.7
200303040230		152.5	<0.002	0.02	<0.05	1	32.0	32.0	9.52	<0.05	2.1	0.02	0.93	6.8	26	0.8
200303040231		192.5	<0.002	0.02	<0.05	1	13.2	56.1	0.23	<0.05	<0.2	0.11	1.42	0.7	162	0.6
200303040232		171.5	<0.002	0.01	<0.05	1	3.9	36.7	<0.05	<0.05	<0.2	0.13	1.56	0.1	167	0.2
200303040233		95.1	<0.002	<0.01	<0.05	1	2.2	31.1	<0.05	<0.05	<0.2	0.09	0.70	0.1	211	0.3
200303040234		61.5	<0.002	<0.01	<0.05	1	1.4	36.5	<0.05	<0.05	<0.2	0.11	0.45	0.1	210	0.3
200303040235		143.0	<0.002	<0.01	<0.05	1	46.2	33.3	<0.05	<0.05	<0.2	0.10	1.18	0.1	154	16.2
200303040236		730	<0.002	<0.01	<0.05	1	62.3	35.5	0.22	<0.05	0.2	0.15	4.90	0.2	197	11.2
200303040237		86.1	0.004	<0.01	<0.05	1	8.1	18.9	<0.05	<0.05	0.2	0.02	0.56	0.1	24	28.4
200303040238		229	0.003	<0.01	<0.05	1	24.3	41.0	<0.05	<0.05	<0.2	0.08	1.72	0.1	120	10.6
200303040239		323	<0.002	<0.01	<0.05	1	28.1	36.6	<0.05	<0.05	<0.2	0.12	2.54	0.1	187	0.5
200303040240		460	<0.002	<0.01	0.11	<1	28.8	44.1	0.12	<0.05	0.8	0.14	2.37	0.1	232	0.7
200303040241		221	0.014	<0.01	0.05	<1	16.2	41.0	<0.05	<0.05	0.6	0.05	1.13	1.2	83	2.5
200303040242		89.9	0.018	<0.01	<0.05	<1	2.4	52.6	0.05	<0.05	3.0	0.01	0.56	6.1	11	1.0
200303040243		285	0.012	0.11	0.06	<1	28.2	25.8	0.07	<0.05	0.5	0.17	1.66	0.7	229	0.5
200303040244		96.8	0.002	0.17	0.05	1	18.8	74.9	<0.05	<0.05	0.3	0.17	0.64	0.2	263	1.4
200303040245		63.2	0.003	0.51	1.78	1	27.8	86.6	<0.05	<0.05	0.5	0.19	0.40	0.4	312	0.8
20[illegible]03040246		36.4	0.003	0.22	3.26	<1	51.0	48.7	0.34	<0.05	0.2	0.16	0.24	0.4	268	0.4
2 3040247		34.1	0.002	0.38	0.08	2	44.9	37.2	<0.05	<0.05	<0.2	0.11	0.21	0.2	205	5.1
200303040248		124.5	0.006	0.88	0.06	5	25.6	60.8	<0.05	<0.05	0.2	0.15	0.82	0.9	211	0.5
200303040249		182.0	0.004	1.01	0.07	3	22.6	93.6	<0.05	0.05	<0.2	0.16	1.06	2.3	230	2.9
200303040250		124.5	0.005	3.06	0.06	10	20.0	91.6	<0.05	0.07	<0.2	0.16	0.82	1.0	264	3.2
200303040251		80.4	0.009	2.92	0.09	9	19.6	97.6	<0.05	0.07	0.2	0.16	0.47	1.2	272	1.5
200303040252		51.2	0.005	0.90	0.10	3	23.1	72.6	<0.05	0.07	<0.2	0.17	0.33	0.8	289	2.3
200303040253		28.0	0.003	0.28	0.08	1	24.4	55.0	<0.05	<0.05	<0.2	0.17	0.17	0.6	299	0.5
200303040254		34.8	0.003	1.29	<0.05	3	23.6	67.9	<0.05	<0.05	<0.2	0.16	0.21	0.6	236	0.9
200303040255		431	0.005	0.77	<0.05	1	45.5	33.5	0.08	<0.05	0.2	0.16	1.92	0.3	222	181.0
200303040256		19.2	0.002	0.03	<0.05	<1	14.6	9.4	<0.05	<0.05	<0.2	0.02	0.12	0.1	27	78.0
200303040257		161.0	0.004	0.12	0.06	1	32.2	27.8	<0.05	0.07	<0.2	0.11	0.94	0.5	135	470
200303040258		65.8	0.004	0.20	0.11	1	18.2	45.1	<0.05	0.16	<0.2	0.15	0.48	0.6	246	18.0
200303040259		65.0	0.005	0.41	0.10	1	19.5	58.1	<0.05	0.08	<0.2	0.16	0.41	0.6	261	8.3
200303040260		30.8	0.002	0.57	0.07	2	4.5	68.0	<0.05	0.16	<0.2	0.17	0.20	0.4	247	4.9
200303040261		108.0	0.007	0.66	0.06	3	8.9	59.8	<0.05	0.13	<0.2	0.16	0.66	0.6	210	3.2
200303040262		86.5	0.005	0.50	0.06	3	3.0	54.1	<0.05	0.15	<0.2	0.18	0.61	0.4	311	3.0
200303040263		57.4	0.011	1.45	0.06	6	0.9	62.3	<0.05	0.34	<0.2	0.15	0.38	0.9	252	2.2

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Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303040264		43.9	0.006	1.47	0.06	6	0.6	67.1	<0.05	0.29	<0.2	0.18	0.27	0.6	307	2.1
200303040265		52.2	0.006	1.54	0.06	7	0.6	60.1	<0.05	0.28	<0.2	0.18	0.35	0.8	313	2.1

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Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040144		7.9	82	5.9
200303040145		7.4	76	3.8
2[illegible]3040146		6.6	97	1.9
2[illegible]3040147		4.0	122	1.5
200303040148		7.9	104	2.3
200303040149		9.9	98	2.9
200303040150		7.5	120	2.5
200303040151		9.7	166	3.0
200303040152		5.0	122	1.8
200303040153		7.1	120	1.9
200303040154		7.9	84	2.7
200303040155		6.2	73	2.7
200303040156		6.5	58	2.2
200303040157		7.7	84	2.6
200303040158		1.7	51	0.5
200303040159		1.7	64	1.2
200303040160		0.2	26	<0.5
200303040161		1.9	62	1.0
200303040162		18.3	118	4.2
200303040163		7.5	102	2.8
200303040164		10.2	72	3.7
200303040165		8.3	62	3.5
2[illegible]3040166		8.0	64	3.0
2[illegible]3040167		9.2	71	2.9
200303040168		5.7	75	1.6
200303040169		3.7	85	1.5
200303040170		2.6	99	1.9
200303040171		3.1	133	1.9
200303040172		0.1	21	<0.5
200303040173		3.3	67	1.4
200303040174		9.2	134	2.0
200303040175		11.2	115	2.4
200303040176		4.6	105	1.8
200303040177		4.8	102	2.3
200303040178		5.3	99	2.1
200303040179		8.7	76	2.0
200303040180		4.0	104	2.0
200303040181		2.8	96	2.2
200303040182		6.7	78	2.6
200303040183		8.4	78	4.0

Comments: REE's may not be totally soluble in MS61 method.

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Phone: 604 984 0221 Fax: 604 984 0218

: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040184		8.0	48	4.0
200303040185		7.8	54	4.9
2[illegible]3040186		0.3	23	0.7
2[illegible]3040187		5.4	85	2.2
200303040188		8.1	61	4.2
200303040189		10.2	75	3.6
200303040190		9.4	61	2.4
200303040191		5.6	101	1.7
200303040192		4.5	124	1.9
200303040193		5.9	92	1.6
200303040194		9.2	87	3.1
200303040195		7.7	65	4.2
200303040196		8.5	75	4.4
200303040197		9.3	66	4.1
200303040198		5.7	58	2.2
200303040199		9.5	80	4.1
200303040200		11.8	99	3.0
200303040201		3.4	6	<0.5
200303040202		0.2	26	0.8
200303040203		1.3	32	0.5
200303040204		9.9	146	2.6
200303040205		10.0	104	3.3
2[illegible]03040206		5.6	81	2.1
2[illegible]3040207		10.4	83	3.2
200303040208		4.5	91	1.9
200303040209		8.1	79	2.3
200303040210		7.0	73	2.5
200303040211		6.3	90	1.7
200303040212		7.6	68	3.9
200303040213		7.4	74	2.2
200303040214		5.9	108	2.0
200303040215		9.0	74	3.2
200303040216		6.2	72	1.8
200303040217		11.0	90	3.2
200303040218		4.0	46	0.8
200303040219		0.3	16	<0.5
200303040220		0.2	2	0.9
200303040221		0.4	8	0.7
200303040222		9.7	104	3.0
200303040223		7.1	72	2.0

Comments: REE's may not be totally soluble in MS61 method.

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Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040224		4.3	90	2.1
200303040225		5.6	77	2.2
2[illegible]3040226		6.6	74	3.0
2[illegible]3040227		8.6	67	3.2
200303040228		8.0	69	2.7
200303040229		7.5	94	2.7
200303040230		6.0	19	17.6
200303040231		6.4	61	2.5
200303040232		4.7	85	1.8
200303040233		4.3	97	2.1
200303040234		5.4	97	1.8
200303040235		5.1	138	1.1
200303040236		8.6	127	1.3
200303040237		2.9	35	0.8
200303040238		4.3	58	1.6
200303040239		5.8	74	2.0
200303040240		5.7	90	4.0
200303040241		2.6	41	3.6
200303040242		1.6	9	12.8
200303040243		7.2	87	3.6
200303040244		6.8	84	4.6
200303040245		7.9	100	6.3
2[illegible]03040246		6.6	136	4.9
2[illegible]3040247		4.4	97	2.5
200303040248		5.2	81	4.1
200303040249		6.9	76	5.9
200303040250		6.5	65	4.0
200303040251		6.0	61	5.9
200303040252		7.4	84	3.7
200303040253		8.0	97	4.2
200303040254		7.1	74	3.6
200303040255		13.8	164	2.5
200303040256		2.5	38	1.0
200303040257		5.7	70	1.4
200303040258		6.2	82	3.8
200303040259		7.3	78	5.2
200303040260		6.7	67	3.6
200303040261		6.3	66	5.7
200303040262		7.4	74	3.3
200303040263		6.8	60	4.8

Comments: REE's may not be totally soluble in MS61 method.

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 5-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03027582

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200303040264		7.2	68	4.6
200303040265		7.9	74	4.2

Comments: REE's may not be totally soluble in MS61 method.

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 21-Aug-2003
Account: THR

CERTIFICATE VA03030485

Project : Regal Ridge

P.O. No:

This report is for 35 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 13-Aug-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

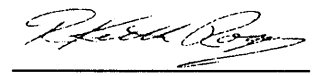
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-ELE07	Paste pH	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
ME-MS61	47 element four acid ICP-MS	

200301080001 - 21 Round 3
200303040400 - 412 Hole 9
200303050001 Hole 9
~ should have been ARD
no data here

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 21-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03030485

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200301080001		2.18	0.34	6.51	1.3	110	5.50	0.80	5.56	0.21	1.37	26.5	286	51.8	268	6.79
200301080002		2.42	0.13	6.49	0.5	110	11.40	0.50	5.96	0.23	1.29	40.7	264	46.5	76.6	6.27
20[illegible]1080003		1.58	0.15	6.75	1.8	130	114.0	0.23	0.69	<0.02	4.00	26.1	76	26.1	75.2	0.93
2[illegible]1080004		1.36	0.27	6.24	0.4	60	12.40	0.42	5.79	0.20	0.95	34.6	290	19.15	149.5	5.48
200301080005		2.16	0.28	5.80	1.3	100	9.99	0.98	4.60	0.16	1.08	37.3	309	34.0	115.0	5.39
200301080006		1.18	0.12	5.36	2.5	100	18.40	0.78	4.99	0.19	0.95	31.8	306	44.0	71.9	5.80
200301080007		0.92	0.14	5.74	1.8	140	9.67	0.51	5.64	0.24	1.00	38.3	370	71.9	62.5	6.01
200301080008		0.30	0.16	6.56	2.0	140	22.2	0.76	6.70	0.11	1.41	40.8	368	131.5	70.2	6.31
200301080009		3.26	<0.02	1.34	0.5	10	38.2	0.57	0.45	<0.02	0.21	4.3	237	9.86	30.5	0.83
200301080010		1.86	0.16	7.39	0.4	90	21.0	0.68	6.19	0.16	1.34	41.6	253	142.5	38.1	5.85
200301080011		1.42	0.10	6.92	1.0	20	9.19	0.39	7.92	0.17	1.22	37.9	267	13.55	13.5	5.99
200301080012		0.90	0.21	7.81	0.2	70	3.81	0.52	7.11	0.14	1.35	30.3	281	40.7	141.5	5.36
200301080013		1.28	0.23	5.27	0.9	120	9.99	0.94	5.75	0.25	0.98	47.7	548	89.3	59.3	6.63
200301080014		2.32	0.12	8.53	0.8	130	125.0	0.35	1.18	<0.02	3.98	11.4	99	34.8	31.6	1.33
200301080015		2.60	0.17	4.53	1.7	310	20.3	2.25	4.92	0.31	0.80	50.2	733	139.5	112.5	6.60
200301080016		4.42	0.15	5.01	0.8	130	13.85	0.99	4.66	0.16	0.83	33.6	312	65.1	59.9	4.69
200301080017		1.44	0.14	5.55	<0.2	70	18.00	1.13	5.76	0.28	1.14	38.8	271	26.5	59.2	5.76
200301080018		0.56	0.09	6.38	0.7	110	7.05	0.40	5.81	0.17	0.92	37.1	305	44.6	86.4	5.74
200301080019		1.30	0.15	6.29	0.5	150	11.70	0.65	4.99	0.19	0.95	39.0	248	101.0	152.5	5.37
200301080020		1.42	0.05	1.86	1.2	70	47.2	2.44	1.24	0.05	0.52	10.6	237	54.7	66.2	1.64
200301080021		1.98	0.21	7.65	1.3	80	16.85	1.68	6.38	0.15	1.32	41.8	250	143.5	117.5	5.64
200303040400		0.40	0.30	10.80	0.4	10	1.84	0.15	7.24	0.10	0.48	34.4	108	230	108.0	2.49
200303040401		0.32	0.04	1.77	2.0	20	46.5	3.73	1.09	<0.02	0.41	6.8	262	73.1	40.0	1.36
2[illegible]3040402		0.34	0.11	7.47	0.9	140	71.7	0.19	2.18	<0.02	16.25	19.8	230	54.9	13.8	2.88
20[illegible]3040403		0.18	0.03	7.50	0.3	80	72.0	0.07	1.28	<0.02	5.21	8.2	149	22.7	5.9	1.46
200303040404		0.36	0.35	3.04	0.8	20	3.08	0.38	0.53	0.10	0.39	129.5	381	21.8	119.5	12.55
200303040405		0.38	0.64	2.51	0.8	30	0.42	0.60	0.62	0.10	0.15	170.5	481	6.51	207	11.65
200303040406		0.40	0.26	2.70	0.6	70	2.60	0.61	2.35	0.07	0.15	51.6	628	3.43	14.8	5.98
200303040407		0.20	0.78	1.22	1.0	<10	1.68	1.18	1.40	0.18	0.13	238	465	0.80	247	15.00
200303040408		0.58	1.75	1.08	1.1	<10	2.46	2.55	1.45	0.31	0.11	508	271	0.77	734	>25.0
200303040409		0.62	0.22	4.01	<0.2	20	5.61	0.73	4.41	0.22	0.30	124.0	455	15.20	135.0	14.15
200303040410		0.74	<0.02	1.36	0.5	<10	0.09	0.01	0.08	<0.02	0.20	24.5	265	0.26	10.2	2.31
200303040411		0.18	0.03	8.39	1.1	2660	2.77	0.07	2.81	0.03	85.2	4.9	51	20.4	4.1	2.49
200303040412		0.20	0.04	4.03	<5.0	2380	1.56	0.05	21.8	0.14	54.9	3.7	47	11.00	2.3	2.28
200303050001		0.20														

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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Date : 21-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03030485

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200301080001		12.25	0.22	0.3	0.042	0.92	0.7	61.5	5.50	1335	1.90	1.12	0.5	70.7	180	3.5
200301080002		11.40	0.25	0.3	0.047	0.58	0.6	83.0	6.62	1445	0.33	1.31	1.9	104.5	110	2.8
20[illegible]1080003		29.3	0.13	4.6	<0.005	0.90	1.4	33.3	0.62	1175	3.66	2.98	56.0	65.0	80	7.9
20[illegible]1080004		11.70	0.20	0.3	0.040	0.39	0.5	40.4	5.39	1270	0.51	1.73	1.5	115.0	80	3.8
200301080005		10.00	0.15	0.2	0.032	0.44	0.6	79.5	5.66	1155	1.74	1.13	0.6	163.0	130	6.9
200301080006		10.15	0.17	0.2	0.032	0.57	0.5	92.4	5.76	1305	0.30	1.08	0.9	124.5	80	3.9
200301080007		9.34	0.19	0.2	0.033	0.69	0.5	95.6	6.46	1265	1.43	1.31	0.8	154.5	70	3.5
200301080008		11.20	0.19	0.2	0.029	1.02	0.7	144.5	6.16	1360	0.57	1.55	1.1	146.0	60	4.3
200301080009		5.10	0.08	0.1	<0.005	0.10	<0.5	17.4	0.39	103	8.16	0.11	0.3	16.1	20	1.7
200301080010		13.40	0.15	0.2	0.037	1.23	0.6	170.5	6.00	1200	0.15	1.63	1.6	123.0	120	3.3
200301080011		13.00	0.13	0.3	0.038	0.18	0.6	42.1	5.91	1200	2.03	1.15	0.6	106.0	180	1.9
200301080012		14.65	0.11	0.3	0.045	0.60	0.7	48.0	4.50	1190	0.26	1.39	0.7	88.6	170	2.6
200301080013		9.64	0.12	0.2	0.031	0.74	0.5	128.5	8.05	1585	1.74	0.66	1.0	214	50	1.8
200301080014		47.0	0.05	4.9	<0.005	1.81	1.6	49.2	1.34	1405	0.46	2.69	65.0	56.5	80	8.7
200301080015		11.55	0.13	0.2	0.025	1.38	<0.5	223	8.84	1780	1.46	0.43	4.8	296	40	1.3
200301080016		9.88	0.10	0.2	0.028	0.72	<0.5	86.6	5.46	1150	0.62	0.88	1.5	154.0	120	2.2
200301080017		11.15	0.10	0.2	0.044	0.39	0.5	61.9	6.50	1305	1.62	1.01	0.7	107.5	130	1.8
200301080018		9.85	0.09	0.1	0.028	0.58	0.5	94.7	6.08	1170	0.39	1.80	0.5	135.5	80	3.3
200301080019		10.80	0.11	0.1	0.036	0.84	0.5	145.0	5.04	964	2.15	1.30	0.6	120.5	100	3.4
200301080020		5.85	<0.05	0.1	0.011	0.53	<0.5	69.1	1.23	308	6.63	0.21	0.8	38.6	60	0.6
200301080021		13.55	0.10	0.2	0.030	1.23	0.6	179.5	6.04	1185	0.27	1.68	0.1	110.5	120	3.7
200303040400		15.25	0.08	0.1	0.014	0.20	<0.5	66.7	2.53	402	0.22	0.09	0.1	166.5	100	<0.5
200303040401		6.87	<0.05	0.1	<0.005	0.36	<0.5	66.7	0.92	163	25.9	0.08	0.4	25.4	100	<0.5
2[illegible]3040402		40.0	0.05	2.1	0.024	2.08	6.3	81.0	2.87	685	5.09	0.89	23.9	92.6	90	5.0
200303040403		41.5	<0.05	3.0	0.007	2.11	2.0	43.1	1.07	699	1.19	1.17	27.8	44.8	80	6.2
200303040404		7.72	0.11	0.2	0.005	0.11	<0.5	20.2	3.66	510	1.04	0.18	1.0	77.4	70	1.1
200303040405		6.58	0.10	0.1	<0.005	0.11	<0.5	33.2	1.99	167	6.27	0.05	0.3	162.5	30	<0.5
200303040406		7.92	<0.05	0.1	<0.005	0.18	<0.5	23.0	1.93	227	10.35	0.17	0.3	152.5	40	<0.5
200303040407		5.28	0.13	0.1	<0.005	0.05	<0.5	7.2	0.82	152	1.84	0.10	0.3	110.0	10	<0.5
200303040408		4.01	0.28	0.1	<0.005	0.05	<0.5	3.6	0.90	150	2.71	0.10	0.3	187.0	20	<0.5
200303040409		12.70	0.09	0.2	0.008	0.26	<0.5	20.9	3.28	415	2.21	0.36	0.3	90.7	50	<0.5
200303040410		2.82	<0.05	<0.1	0.005	<0.01	<0.5	5.4	1.27	137	8.03	0.01	0.2	25.8	30	<0.5
200303040411		18.80	0.10	0.3	0.020	3.22	48.4	530	0.65	667	2.20	1.94	10.2	4.4	690	19.8
200303040412		8.57	0.10	0.3	0.012	1.51	33.4	282	0.49	1755	2.96	0.65	5.8	2.9	350	35.1
200303050001																

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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. TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 21-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03030485

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200301080001		153.0	<0.002	0.12	0.15	1	23.5	59.4	0.07	<0.05	0.2	0.18	1.10	0.3	243	2.9
200301080002		90.5	<0.002	0.01	0.05	<1	25.8	48.6	0.40	<0.05	0.2	0.18	0.71	0.4	237	4.3
20[illegible]1080003		188.5	<0.002	0.01	0.06	<1	51.7	32.6	24.2	<0.05	3.0	0.02	1.04	6.1	25	3.8
2[illegible]1080004		57.9	<0.002	<0.01	<0.05	<1	24.0	54.3	0.46	<0.05	0.2	0.10	0.40	0.2	229	2.8
200301080005		70.6	0.002	0.05	0.11	<1	31.8	40.9	0.09	<0.05	0.2	0.11	0.64	0.2	216	6.0
200301080006		102.0	<0.002	0.17	0.08	<1	47.1	30.8	0.11	<0.05	0.2	0.12	0.76	0.1	192	1.5
200301080007		129.0	<0.002	0.04	0.05	<1	30.6	39.3	0.12	<0.05	0.2	0.11	1.10	0.1	227	1.3
200301080008		209	<0.002	0.05	0.11	<1	45.3	48.3	0.18	<0.05	0.2	0.12	1.46	0.2	257	8.0
200301080009		23.2	0.003	0.05	<0.05	<1	5.9	6.6	0.06	<0.05	<0.2	0.01	0.14	<0.1	17	30.7
200301080010		281	0.002	0.06	0.06	<1	34.2	56.9	0.26	<0.05	0.2	0.19	1.90	0.1	241	44.1
200301080011		20.9	0.003	0.02	0.07	<1	13.2	65.6	0.11	<0.05	0.2	0.19	0.14	0.1	257	4.3
200301080012		98.9	<0.002	0.08	0.08	<1	10.5	121.5	0.15	<0.05	0.2	0.18	0.72	0.2	273	7.6
200301080013		137.5	<0.002	0.01	<0.05	<1	35.5	21.0	0.08	0.08	0.2	0.13	1.10	0.3	224	3.4
200301080014		530	<0.002	0.02	<0.05	<1	122.0	18.8	29.3	<0.05	2.8	0.02	2.81	7.3	37	2.6
200301080015		303	<0.002	<0.01	0.06	<1	71.6	9.8	0.38	0.06	0.2	0.08	2.14	0.1	204	2.7
200301080016		144.0	<0.002	0.04	<0.05	<1	46.1	33.1	0.12	<0.05	0.2	0.11	1.29	0.1	180	15.6
200301080017		62.2	<0.002	0.07	0.06	<1	56.1	33.0	0.08	<0.05	0.2	0.16	0.47	0.1	216	0.6
200301080018		88.1	<0.002	0.09	0.06	<1	14.8	45.9	0.07	<0.05	0.2	0.10	0.74	0.1	223	3.2
200301080019		164.5	<0.002	0.16	0.06	<1	20.3	42.6	0.09	<0.05	0.2	0.10	1.30	0.1	211	2.9
200301080020		122.0	<0.002	0.10	<0.05	<1	18.4	10.4	0.08	<0.05	<0.2	0.04	0.79	0.1	53	70.2
200301080021		268	<0.002	0.12	0.05	<1	22.3	70.6	0.05	<0.05	0.2	0.19	1.70	0.1	209	234
200303040400		38.3	<0.002	0.24	0.05	<1	3.6	70.6	0.05	<0.05	<0.2	0.05	0.50	0.2	78	4.0
200303040401		85.6	0.009	0.06	0.07	<1	7.7	12.2	0.05	0.08	0.2	0.02	0.52	0.1	33	192.5
2[illegible]3040402		416	0.007	0.06	0.09	<1	91.8	29.1	4.87	<0.05	4.4	0.04	2.13	7.1	97	2.9
20[illegible]3040403		405	<0.002	0.01	0.07	<1	107.5	28.4	7.08	<0.05	3.3	0.02	1.78	12.2	40	3.1
200303040404		16.5	0.013	2.83	<0.05	1	10.9	31.8	0.15	0.22	0.2	0.06	0.12	0.1	92	0.9
200303040405		10.8	0.018	3.70	<0.05	2	2.4	1.4	0.08	0.52	<0.2	0.05	0.11	0.2	135	1.2
200303040406		12.3	0.005	0.23	0.08	<1	7.9	5.6	0.05	0.22	<0.2	0.04	0.09	0.4	125	11.0
200303040407		0.3	0.013	5.86	0.07	2	5.6	1.3	0.06	0.51	<0.2	0.01	0.08	0.2	90	7.2
200303040408		0.3	0.032	9.55	0.05	9	15.3	2.0	0.08	1.10	<0.2	0.02	0.13	0.1	71	225
200303040409		13.1	0.014	2.87	0.09	1	9.7	3.2	0.06	0.29	<0.2	0.08	0.11	0.5	196	1.3
200303040410		0.1	<0.002	0.02	0.05	<1	0.6	0.8	0.05	<0.05	<0.2	0.03	<0.02	<0.1	32	0.8
200303040411		127.0	<0.002	0.03	0.15	<1	2.0	862	0.20	<0.05	17.9	0.24	1.21	4.0	77	2.2
200303040412		55.7	0.002	0.04	0.06	<1	1.2	3210	0.11	<0.05	9.5	0.11	0.51	2.1	53	1.2
200303050001																

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 21-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03030485

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP t CaCO3/ 1	OA-VOL08 NP t CaCO3/ 1	OA-ELE07 pH Unity 0.1	OA-VOL08 MPA t CaCO3/ 0.5	OA-VOL08 Ratio (N Unity 0.01	S-IR08 S % 0.01
200301080001		7.7	93	4.1							
200301080002		8.3	100	2.7							
2[illegible]1080003		6.9	25	22.1							
2[illegible]1080004		4.8	78	2.4							
200301080005		6.0	80	1.8							
200301080006		6.0	87	2.2							
200301080007		5.4	82	1.7							
200301080008		6.9	88	2.2							
200301080009		0.8	30	0.9							
200301080010		8.0	89	2.1							
200301080011		7.2	65	2.5							
200301080012		7.2	66	4.2							
200301080013		5.4	106	1.9							
200301080014		6.0	34	23.1							
200301080015		3.9	136	2.1							
200301080016		5.6	84	1.5							
200301080017		7.3	93	1.8							
200301080018		4.5	68	1.5							
200301080019		5.0	67	1.3							
200301080020		2.8	41	1.0							
200301080021		8.6	89	1.8							
200303040400		2.2	37	0.6							
200303040401		1.3	32	0.9							
2[illegible]3040402		7.2	35	12.9							
200303040403		10.4	22	22.2							
200303040404		3.2	21	2.3							
200303040405		4.2	12	1.3							
200303040406		7.5	19	1.7							
200303040407		3.0	11	1.3							
200303040408		1.8	9	1.3							
200303040409		6.7	29	3.0							
200303040410		0.6	6	0.6							
200303040411		14.2	54	8.0							
200303040412		11.9	60	9.9							
200303050001					1	-238	19	7.8	257	0.07	8.23

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 31-Aug-2003
Account: THR

CERTIFICATE VA03031717

Project : Regal Ridge

P.O. No:

This report is for 57 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 22-Aug-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

200301080022 - 49 Round 14, 18, 20, 21
200302010015 - 18
200302080001 - 22 Round 9, 11
200306010001 - 3

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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Date : 31-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200301080022		2.20	0.08	8.61	<0.2	150	4.08	0.94	8.11	0.10	1.42	28.0	116	63.5	156.0	5.88
200301080023		1.00	0.05	5.58	0.2	380	11.20	0.49	6.57	0.24	2.02	54.3	629	224	37.5	6.47
200301080024		1.88	0.06	5.78	0.5	620	21.3	1.28	5.37	0.18	1.20	58.1	702	275	67.0	6.86
200301080025		1.78	0.03	2.14	0.3	30	80.2	6.45	0.71	<0.02	0.34	6.7	194	11.90	53.8	1.20
200301080026		1.04	<0.02	0.92	0.4	30	14.05	3.26	0.53	0.02	0.24	3.2	214	9.06	19.0	0.82
2 1080027		0.44	0.07	7.73	<0.2	150	11.10	1.48	6.34	0.07	0.96	22.2	170	63.0	165.0	4.96
200301080028		1.00	0.08	8.65	<0.2	80	19.90	0.63	6.72	0.11	1.34	41.0	64	92.9	145.5	5.36
200301080029		0.96	0.03	8.82	<0.2	390	14.60	0.52	5.08	0.08	1.24	38.5	87	251	20.4	5.48
200301080030		0.72	0.04	6.76	0.6	280	6.75	0.58	6.71	0.10	1.29	53.8	564	245	22.6	6.78
200301080031		0.76	0.18	5.38	0.2	370	32.4	9.68	4.66	0.12	1.13	51.0	574	211	188.5	6.23
200301080032		0.50	0.02	1.96	0.6	30	145.5	2.37	0.59	<0.02	0.22	4.8	224	14.30	25.6	1.06
200301080033		1.02	<0.02	1.37	0.7	20	65.2	0.64	0.53	<0.02	0.28	3.0	184	15.90	10.7	0.73
200301080034		0.86	0.06	9.42	<0.2	30	21.2	1.64	9.09	0.10	1.22	30.8	243	52.2	77.2	6.14
200301080035		0.24	0.05	6.99	0.4	40	34.5	2.17	7.30	0.14	1.27	37.4	281	32.5	59.4	5.79
200301080036		0.68	0.15	9.97	<0.2	40	19.50	1.87	8.28	0.14	1.52	42.6	262	22.1	175.5	6.20
200301080037		1.04	0.08	5.43	0.6	110	12.40	0.76	5.87	0.21	1.21	40.5	291	45.4	58.6	5.36
200301080038		1.24	0.13	6.46	1.7	370	17.00	1.39	4.94	0.17	1.04	59.1	502	326	115.0	7.02
200301080039		1.68	0.06	3.70	0.3	110	201	2.75	1.42	<0.02	2.63	10.6	229	64.1	71.1	1.76
200301080040		0.72	0.03	3.15	0.6	20	296	2.98	0.66	<0.02	2.09	7.6	210	30.2	20.8	1.16
200301080041		0.58	0.07	8.40	<0.2	130	26.1	1.77	6.50	0.07	3.00	34.2	310	100.5	61.1	5.79
200301080042		0.40	0.05	6.72	<0.2	160	14.20	2.84	7.24	0.10	1.29	56.8	395	131.0	25.8	7.75
200301080043		0.80	0.05	7.78	0.9	180	7.23	0.65	6.42	0.13	1.34	53.0	427	118.0	23.6	6.56
200301080044		0.88	0.07	7.05	1.1	100	3.43	0.44	5.14	0.10	1.68	37.3	277	81.3	85.3	5.26
200301080045		0.80	0.04	7.47	1.1	240	13.25	0.36	5.23	0.09	1.80	44.7	295	186.0	26.3	5.60
200301080046		1.34	0.04	2.44	0.5	30	11.90	4.11	0.34	<0.02	0.77	8.1	273	23.0	76.6	1.50
1080047		0.38	0.12	4.99	1.5	70	16.65	1.65	4.18	0.14	1.72	40.2	345	64.5	203	5.05
200301080048		0.58	0.05	6.66	1.5	180	16.00	0.59	5.27	0.11	1.42	39.7	316	177.5	64.2	5.65
200301080049		0.44	0.05	6.07	0.5	70	4.10	0.75	5.39	0.13	1.30	43.5	329	167.0	43.3	5.30
200302010015		1.88	0.22	7.63	0.2	60	1.24	0.64	5.53	0.12	1.56	43.1	264	17.65	262	5.19
200302010016		1.76	0.16	6.84	0.3	20	9.91	0.29	3.29	0.06	2.54	49.3	142	142.5	312	3.05
200302010017		1.58	<0.02	1.09	0.5	<10	4.15	0.12	0.16	<0.02	0.13	4.7	269	2.71	18.8	0.80
200302010018		2.70	0.15	4.17	0.2	10	31.9	0.81	4.33	0.15	1.06	23.7	359	14.15	184.0	5.53
200302080001		2.44	0.03	5.93	0.2	240	9.79	0.51	6.48	0.22	1.24	45.2	459	127.5	15.6	6.21
200302080002		3.88	0.04	4.95	0.3	300	15.20	1.93	5.71	0.17	1.54	44.5	544	166.5	38.8	5.92
200302080003		1.70	<0.02	1.23	0.4	20	29.0	0.26	0.31	<0.02	0.28	2.3	242	17.45	8.4	0.62
200302080004		1.14	0.09	7.40	0.7	690	19.15	0.73	6.18	0.17	2.05	40.2	240	267	102.0	5.40
200302080005		1.62	0.06	4.99	<0.2	110	5.65	0.49	5.35	0.17	0.94	40.6	472	34.8	81.6	5.25
200302080006		1.20	0.02	6.06	0.4	360	7.68	0.44	5.26	0.08	1.80	53.2	661	301	13.7	6.66
200302080007		1.24	0.20	5.87	0.2	620	23.4	1.06	4.99	0.07	1.70	58.7	709	319	32.8	6.82
200302080008		1.30	0.22	3.81	0.4	70	180.0	28.0	1.66	<0.02	1.33	14.2	246	45.5	125.5	2.04

Comments: REE's may not be totally soluble in MS61 method.

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Date : 31-Aug-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200302080009		2.86	0.08	5.37	<0.2	380	13.40	0.62	4.87	0.15	1.48	54.0	594	171.0	117.5	6.57
200302080010		4.90	0.07	5.96	<0.2	220	6.76	0.43	5.65	0.16	1.27	54.5	762	136.0	66.6	7.25
200302080011		1.26	0.05	4.55	0.3	200	8.14	0.94	5.69	0.22	0.85	49.7	661	149.5	54.3	6.07
200302080012		1.32	0.07	6.21	<0.2	220	25.8	0.74	6.76	0.15	1.80	39.0	257	140.0	79.2	6.12
200302080013		2.72	0.02	2.01	0.8	40	13.35	5.66	0.93	0.02	0.61	8.1	395	23.9	18.4	1.51
2 2080014		0.90	0.07	5.85	<0.2	520	20.2	2.20	4.33	0.08	2.61	50.1	578	287	150.0	6.60
200302080015		1.04	0.20	7.09	0.3	280	8.14	0.45	5.63	0.16	1.53	47.9	419	143.5	232	5.89
200302080016		1.24	0.02	6.20	<0.2	460	16.60	0.54	5.43	0.05	1.81	56.0	640	336	2.1	6.44
200302080017		0.92	0.03	5.12	<0.2	310	10.70	0.82	5.64	0.11	1.76	52.7	661	199.5	14.0	6.26
200302080018		0.70	0.13	5.38	2.0	720	20.1	2.51	1.49	0.10	3.52	82.2	803	413	352	7.33
200302080019		1.96	0.04	3.71	<0.2	30	199.5	3.08	1.13	0.02	1.84	9.3	253	17.30	61.5	1.78
200302080020		0.62	0.09	8.18	0.8	260	322	10.50	2.49	<0.02	6.54	24.4	232	263	209	2.78
200302080021		0.68	0.21	8.47	0.3	100	8.29	0.40	6.39	0.15	1.62	25.9	245	31.9	281	4.49
200302080022		0.96	0.62	7.51	<0.2	160	7.85	0.41	6.04	0.36	1.52	48.9	275	56.4	712	5.50
200306010001		0.82	0.10	6.02	0.8	140	23.9	2.11	4.94	0.13	3.04	42.1	393	65.1	162.5	6.04
200306010002		1.08	0.10	6.05	3.1	120	21.5	1.34	5.22	0.11	2.11	43.8	355	83.7	173.0	6.14
200306010003		1.08	0.07	6.35	0.9	160	10.95	0.85	4.82	0.12	2.15	43.7	393	53.2	181.5	6.50

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 31-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200301080022		17.45	0.24	0.3	0.065	0.82	0.6	51.4	3.73	992	0.62	1.10	0.7	70.7	80	3.1
200301080023		9.11	0.30	0.2	0.025	1.44	0.9	197.0	7.80	1390	0.41	0.56	0.6	395	60	2.0
200301080024		10.25	0.31	0.2	0.029	2.44	0.5	281	8.75	1550	0.46	0.66	1.2	411	30	2.1
200301080025		9.11	0.07	<0.1	0.007	0.09	<0.5	26.8	0.84	161	17.15	0.17	0.2	28.1	110	1.7
200301080026		4.82	0.05	0.1	<0.005	0.08	<0.5	19.4	0.40	126	5.93	0.08	0.2	14.1	80	0.7
2 1080027		9.99	0.16	0.2	0.035	0.80	<0.5	50.8	3.83	927	0.89	1.20	0.7	67.7	80	3.4
200301080028		12.35	0.21	0.2	0.029	0.75	0.5	83.7	4.99	1225	0.68	2.47	1.0	54.5	60	4.7
200301080029		10.25	0.22	0.2	0.025	2.21	0.5	188.5	5.95	1055	0.23	2.29	1.1	66.5	70	4.4
200301080030		8.24	0.26	0.2	0.031	1.52	0.5	177.5	8.99	1490	0.32	1.24	0.5	321	40	2.1
200301080031		10.90	0.28	0.2	0.027	1.76	0.5	204	7.43	1360	1.20	0.61	1.4	300	20	1.9
200301080032		8.75	0.07	<0.1	<0.005	0.09	<0.5	25.1	0.63	160	1.72	0.17	0.1	18.4	10	1.4
200301080033		6.17	0.05	<0.1	<0.005	0.13	<0.5	21.7	0.38	135	1.86	0.12	0.1	9.5	20	1.2
200301080034		19.20	0.24	0.3	0.058	0.60	0.5	32.2	4.83	1200	0.38	1.32	1.1	76.4	90	3.5
200301080035		13.35	0.24	0.3	0.042	0.37	0.5	57.6	5.81	1330	0.67	1.40	1.2	91.3	70	3.1
200301080036		17.00	0.24	0.3	0.048	0.29	0.6	41.7	5.08	1185	0.28	2.27	2.2	94.2	110	4.5
200301080037		8.82	0.23	0.2	0.031	0.82	0.5	56.3	6.42	1305	0.47	1.40	0.7	156.5	60	2.4
200301080038		11.80	0.28	0.2	0.026	2.15	0.5	293	8.30	1520	0.66	0.93	1.6	259	30	2.1
200301080039		12.00	0.10	0.1	0.013	0.89	1.1	73.8	1.62	341	1.76	0.46	0.1	39.6	50	2.0
200301080040		12.85	0.07	0.1	0.007	0.40	0.6	36.1	0.82	219	1.80	0.32	0.2	26.3	910	1.6
200301080041		14.35	0.22	0.3	0.047	1.29	1.3	92.2	5.27	1240	0.64	1.60	1.0	119.0	60	3.5
200301080042		13.40	0.30	0.2	0.048	1.17	0.5	127.0	8.26	1660	0.32	1.15	0.7	207	60	8.6
200301080043		13.75	0.26	0.2	0.028	1.29	0.6	221	7.35	1180	0.25	1.07	0.5	302	60	108.0
200301080044		11.00	0.23	0.3	0.032	0.69	0.7	99.8	5.72	1020	0.36	1.82	0.5	159.5	80	3.0
200301080045		10.90	0.25	0.2	0.038	1.71	0.7	204	6.40	1260	0.56	1.83	0.7	207	60	4.7
200301080046		10.10	0.08	0.1	0.009	0.16	<0.5	52.8	1.06	195	2.01	0.19	0.1	36.7	230	1.7
: 1080047		10.55	0.24	0.2	0.041	0.45	0.7	100.5	5.50	1115	0.94	0.64	1.0	186.0	90	2.7
200301080048		10.10	0.22	0.2	0.033	1.35	0.6	157.0	6.40	1235	0.37	1.46	1.0	196.5	70	3.2
200301080049		9.19	0.24	0.2	0.031	0.84	0.5	106.0	6.76	1130	0.25	1.49	0.4	235	50	4.9
200302010015		9.84	0.23	0.2	0.034	0.23	0.6	61.2	5.41	976	0.13	2.41	0.4	105.5	100	3.4
200302010016		12.65	0.14	0.1	0.023	0.12	1.1	73.8	2.43	541	0.94	0.29	0.6	116.5	40	2.1
200302010017		2.62	0.05	0.1	<0.005	<0.01	<0.5	11.7	0.40	64	1.79	0.08	0.1	19.0	20	0.7
200302010018		10.05	0.22	0.2	0.048	0.12	<0.5	46.3	5.99	1205	1.38	0.45	0.6	75.9	20	2.0
200302080001		8.86	0.24	0.2	0.030	1.17	0.5	134.5	7.59	1420	0.22	0.95	0.8	212	30	2.7
200302080002		9.22	0.25	0.2	0.025	1.53	0.7	188.5	7.17	1390	1.16	0.53	1.1	251	90	2.3
200302080003		4.53	<0.05	0.1	<0.005	0.21	<0.5	15.1	0.25	90	1.60	0.13	0.1	11.4	60	1.0
200302080004		14.00	0.25	0.2	0.033	4.25	1.0	302	4.75	1120	0.21	0.44	0.9	120.5	80	3.5
200302080005		7.68	0.22	0.2	0.026	0.22	<0.5	62.1	6.82	1180	0.30	0.44	0.4	208	20	1.6
200302080006		8.88	0.29	0.1	0.020	2.05	0.8	285	8.54	1320	0.06	0.79	0.4	390	30	2.4
200302080007		10.80	0.30	0.2	0.020	3.34	0.9	352	8.90	1620	0.29	0.47	1.4	475	20	1.8
200302080008		20.4	0.10	0.2	0.006	0.41	0.5	92.7	1.61	398	2.69	0.27	0.1	77.7	380	2.5

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200302080009		9.97	0.26	0.2	0.034	2.19	0.8	236	7.76	1520	0.37	0.45	0.7	293	20	1.7
200302080010		9.98	0.28	0.2	0.029	0.98	0.6	330	8.82	1430	0.18	0.38	0.5	373	<10	1.9
200302080011		7.68	0.26	0.1	0.024	1.14	<0.5	130.5	7.86	1405	0.29	0.35	1.0	340	20	1.5
200302080012		11.65	0.24	0.2	0.048	1.15	0.8	157.5	6.46	1560	0.34	1.32	1.6	119.5	90	3.0
200302080013		7.91	0.08	0.1	<0.005	0.17	<0.5	38.7	1.09	274	7.56	0.28	0.2	31.6	130	1.3
2080014		14.30	0.28	0.2	0.043	2.92	1.0	395	7.71	1650	0.69	0.73	2.2	295	60	2.6
200302080015		10.40	0.25	0.2	0.044	1.06	0.7	179.0	6.45	1210	0.36	1.60	0.5	217	70	3.2
200302080016		7.96	0.26	0.2	0.018	2.81	0.8	239	8.49	1420	0.46	0.78	0.4	430	10	2.4
200302080017		7.69	0.26	0.1	0.021	1.69	0.8	167.0	8.49	1570	0.33	0.42	0.5	416	10	1.7
200302080018		14.05	0.32	0.1	0.051	3.88	1.3	580	7.81	1710	1.52	0.17	0.1	466	170	2.1
200302080019		19.60	0.10	<0.1	0.007	0.17	0.6	68.2	1.17	364	5.45	0.26	<0.1	38.1	650	1.7
200302080020		21.7	0.15	0.2	0.025	2.06	2.2	201	2.55	647	0.87	0.82	0.5	84.3	280	1285
200302080021		13.35	0.20	0.2	0.043	0.32	0.7	48.2	3.74	858	0.41	2.45	0.5	76.2	80	5.8
200302080022		10.25	0.21	0.2	0.035	0.53	0.6	77.3	5.59	1110	0.31	1.85	0.5	118.5	80	6.6
200306010001		11.80	0.23	0.2	0.030	0.66	1.3	117.5	5.75	1205	1.38	1.06	0.1	167.0	90	312
200306010002		11.60	0.24	0.2	0.037	0.67	0.9	126.5	5.75	1150	1.28	1.06	0.1	160.5	80	57.6
200306010003		11.35	0.24	0.3	0.041	0.54	0.9	107.0	6.20	1280	1.40	1.19	0.1	175.0	80	117.0

Comments: REE's may not be totally soluble in MS61 method.

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Date : 31-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200301080022		144.5	0.003	0.16	0.11	1	6.6	147.5	0.08	<0.05	<0.2	0.15	1.01	0.2	315	13.6
200301080023		267	0.003	0.08	<0.05	<1	33.8	21.5	0.07	<0.05	<0.2	0.09	2.58	0.1	211	3.1
200301080024		500	0.005	0.06	<0.05	<1	59.9	16.8	0.14	<0.05	<0.2	0.11	3.25	0.1	217	15.6
200301080025		18.1	0.028	0.05	<0.05	<1	12.1	10.8	0.05	<0.05	<0.2	0.02	0.16	<0.1	34	138.0
200301080026		17.1	0.010	0.01	<0.05	<1	5.4	4.0	0.05	<0.05	<0.2	0.01	0.13	<0.1	16	106.5
[illegible]1080027		119.5	0.002	0.40	0.06	<1	30.8	76.9	0.11	<0.05	<0.2	0.12	0.89	0.2	209	3.4
200301080028		163.5	0.006	0.22	<0.05	1	32.4	81.8	0.21	<0.05	<0.2	0.15	1.03	0.1	232	6.0
200301080029		560	0.002	0.03	<0.05	1	29.4	72.8	0.15	<0.05	<0.2	0.17	3.35	<0.1	205	0.8
200301080030		273	0.003	0.01	0.09	<1	14.5	31.9	0.07	<0.05	<0.2	0.11	1.91	0.1	227	2.8
200301080031		371	0.006	0.21	0.05	1	45.2	17.3	0.20	<0.05	<0.2	0.11	2.42	0.1	202	78.1
200301080032		20.8	0.009	<0.01	<0.05	<1	8.8	9.6	<0.05	<0.05	<0.2	0.02	0.17	<0.1	24	233
200301080033		29.7	0.003	<0.01	<0.05	<1	6.7	7.3	<0.05	<0.05	<0.2	0.01	0.16	<0.1	15	50.3
200301080034		97.8	0.006	0.21	0.06	<1	53.1	125.5	0.07	<0.05	<0.2	0.15	0.59	0.2	304	111.0
200301080035		56.5	0.005	0.04	0.07	<1	35.0	64.3	0.17	<0.05	<0.2	0.15	0.35	0.1	237	112.5
200301080036		35.1	0.005	0.33	0.05	1	33.1	115.5	0.11	<0.05	<0.2	0.18	0.21	0.1	258	69.2
200301080037		140.5	0.002	0.01	0.08	<1	30.0	39.6	0.08	<0.05	<0.2	0.13	0.82	0.1	212	7.9
200301080038		490	0.003	<0.01	0.12	<1	46.4	23.5	0.18	<0.05	<0.2	0.12	2.60	0.1	205	30.3
200301080039		207	0.007	<0.01	<0.05	<1	19.5	17.0	<0.05	<0.05	0.4	0.04	1.26	0.4	56	153.0
200301080040		89.2	0.007	<0.01	<0.05	<1	13.9	14.2	0.06	<0.05	<0.2	0.02	0.60	0.1	33	190.0
200301080041		268	0.005	0.05	0.22	1	35.7	76.0	0.20	<0.05	0.7	0.18	1.65	0.3	277	26.1
200301080042		250	0.003	<0.01	0.20	<1	23.4	29.6	0.10	<0.05	<0.2	0.19	1.68	0.1	295	4.2
200301080043		263	0.002	<0.01	2.31	<1	11.8	28.9	0.06	<0.05	<0.2	0.15	1.83	0.1	201	4.4
200301080044		115.5	0.003	0.04	0.10	1	7.4	47.6	0.06	<0.05	0.3	0.15	1.04	0.1	207	1.1
200301080045		384	0.003	0.02	0.09	<1	29.7	44.2	0.07	<0.05	<0.2	0.13	2.59	0.1	212	2.1
200301080046		42.4	0.010	0.01	<0.05	<1	14.4	9.2	<0.05	<0.05	<0.2	0.03	0.32	0.2	40	304
[illegible]1080047		101.0	0.013	0.49	0.07	1	52.8	17.6	0.09	<0.05	0.2	0.12	0.73	0.1	191	3.6
200301080048		301	0.003	0.17	0.06	<1	31.5	33.1	0.09	<0.05	<0.2	0.12	1.98	0.1	202	3.6
200301080049		148.0	0.004	0.09	0.09	<1	11.6	30.5	0.06	<0.05	<0.2	0.12	1.22	0.1	191	3.0
200302010015		31.4	0.002	0.02	<0.05	1	1.3	104.0	0.06	<0.05	<0.2	0.18	0.23	0.1	203	2.2
200302010016		20.4	0.004	0.01	0.12	<1	27.0	51.2	0.06	<0.05	<0.2	0.08	0.28	0.1	100	90.8
200302010017		0.8	<0.002	<0.01	<0.05	<1	10.5	7.4	<0.05	<0.05	<0.2	0.01	<0.02	<0.1	16	1.9
200302010018		15.0	0.003	0.03	0.05	<1	49.7	20.0	<0.05	<0.05	<0.2	0.11	0.13	0.1	214	8.5
200302080001		286	0.002	0.01	<0.05	<1	34.5	30.6	0.08	<0.05	<0.2	0.14	2.18	0.1	198	1.5
200302080002		385	0.005	0.01	0.06	<1	45.3	19.8	0.21	<0.05	<0.2	0.11	2.77	0.1	206	4.7
200302080003		46.0	0.002	<0.01	<0.05	<1	3.2	7.3	<0.05	<0.05	<0.2	0.01	0.31	<0.1	9	5.4
200302080004		960	0.002	0.04	0.16	1	45.4	36.5	0.14	<0.05	0.2	0.19	6.16	0.1	237	8.1
200302080005		38.1	0.003	0.15	<0.05	<1	20.0	23.9	0.05	<0.05	<0.2	0.10	0.52	0.1	177	0.6
200302080006		500	0.002	<0.01	0.07	<1	24.3	20.2	0.08	<0.05	<0.2	0.11	3.91	0.1	226	1.5
200302080007		880	0.003	<0.01	<0.05	<1	60.7	14.8	0.15	<0.05	<0.2	0.09	5.45	0.1	225	44.6
200302080008		101.0	0.015	0.01	<0.05	<1	25.1	16.0	<0.05	<0.05	0.2	0.03	0.77	0.1	59	480

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200302080009		490	0.002	<0.01	<0.05	<1	57.3	12.4	0.06	<0.05	<0.2	0.13	3.28	0.1	225	13.9
200302080010		181.0	0.002	<0.01	0.09	<1	23.0	13.3	0.07	<0.05	<0.2	0.12	1.44	0.1	232	6.4
200302080011		244	<0.002	0.16	<0.05	<1	32.4	13.7	0.08	<0.05	<0.2	0.09	2.01	0.1	187	2.0
200302080012		256	0.004	0.13	<0.05	1	60.3	39.9	0.25	<0.05	<0.2	0.18	1.66	0.3	266	3.1
200302080013		36.4	0.008	<0.01	<0.05	<1	10.2	11.0	<0.05	<0.05	<0.2	0.03	0.29	<0.1	40	19.6
[illegible]2080014		740	0.005	0.07	<0.05	<1	51.2	17.8	0.29	0.20	<0.2	0.13	4.59	0.2	239	83.0
200302080015		211	0.002	0.02	0.07	<1	19.2	57.3	0.07	<0.05	<0.2	0.14	1.61	0.1	228	6.2
200302080016		700	0.003	<0.01	<0.05	<1	38.7	21.2	0.07	<0.05	<0.2	0.11	5.02	0.1	222	1.3
200302080017		430	0.007	0.06	<0.05	<1	48.7	12.8	0.05	<0.05	<0.2	0.09	3.45	0.1	199	0.8
200302080018		1080	0.012	0.01	0.06	<1	64.6	6.8	0.05	<0.05	0.2	0.11	6.39	0.2	238	335
200302080019		41.1	0.017	0.01	<0.05	<1	16.7	13.4	<0.05	<0.05	<0.2	0.02	0.31	<0.1	47	258
200302080020		560	0.006	0.02	23.4	<1	29.3	52.4	0.08	<0.05	3.5	0.09	3.36	0.6	106	111.0
200302080021		53.1	0.003	0.11	0.06	1	11.6	110.5	0.07	<0.05	<0.2	0.18	0.49	0.1	235	13.6
200302080022		93.1	0.002	0.14	0.09	1	14.9	66.8	0.06	<0.05	<0.2	0.19	0.77	0.1	193	4.9
200306010001		128.0	0.015	0.11	5.73	<1	25.7	49.0	<0.05	<0.05	0.3	0.14	1.09	0.2	194	398
200306010002		132.5	0.019	0.18	0.93	1	23.1	44.9	0.05	<0.05	<0.2	0.15	1.16	0.2	202	640
200306010003		89.7	0.014	0.09	2.15	<1	12.2	49.7	<0.05	<0.05	0.2	0.14	0.76	0.3	220	402

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 31-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200301080022		8.1	41	5.3
200301080023		6.0	98	2.2
200301080024		5.3	117	2.2
200301080025		2.3	42	<0.5
200301080026		1.8	24	1.6
[illegible]1080027		5.1	53	3.0
200301080028		8.5	65	2.2
200301080029		7.8	75	1.9
200301080030		5.7	87	2.2
200301080031		5.8	112	2.7
200301080032		1.2	36	1.4
200301080033		0.7	34	<0.5
200301080034		8.2	59	4.2
200301080035		7.7	83	3.6
200301080036		8.7	64	4.0
200301080037		7.7	81	2.2
200301080038		7.2	111	2.4
200301080039		5.3	56	0.7
200301080040		5.0	51	1.5
200301080041		10.0	71	3.5
200301080042		7.4	92	3.1
200301080043		6.1	79	2.0
200301080044		7.2	56	4.7
200301080045		6.9	69	2.7
200301080046		1.9	51	1.2
[illegible]1080047		7.3	84	1.9
200301080048		6.3	74	2.7
200301080049		5.9	62	1.9
200302010015		8.1	62	2.2
200302010016		4.8	51	1.8
200302010017		0.3	9	1.7
200302010018		7.5	81	1.9
200302080001		6.7	77	2.4
200302080002		6.8	89	1.9
200302080003		0.4	15	1.5
200302080004		10.2	89	2.4
200302080005		6.1	62	1.9
200302080006		4.0	84	1.7
200302080007		4.2	114	2.2
200302080008		5.5	98	1.1

Comments: REE's may not be totally soluble in MS61 method.

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To: **TRUE NORTH GEMS**
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 31-Aug-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03031717

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200302080009		9.1	108	2.3
200302080010		7.0	89	1.9
200302080011		4.1	85	2.1
200302080012		11.6	90	2.8
200302080013		1.8	44	2.1
2080014		8.3	154	2.8
200302080015		8.3	74	2.3
200302080016		4.1	92	2.0
200302080017		4.2	84	2.2
200302080018		8.4	185	1.8
200302080019		6.6	90	<0.5
200302080020		8.2	87	2.1
200302080021		11.0	40	2.5
200302080022		8.9	59	2.3
200306010001		8.7	75	1.8
200306010002		7.5	76	2.3
200306010003		7.1	82	3.3

Comments: REE's may not be totally soluble in MS61 method.

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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 8-Sep-2003
Account: THR

CERTIFICATE VA03033608

Project : Regal Ridge

P.O. No:

This report is for 7 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 2-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	47 element four acid ICP-MS

20030508 0001-6 Round 22
20030103 0006

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 8-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03033608

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200305080001		0.32	0.19	5.99	<0.2	40	4.46	0.59	5.74	0.14	1.17	37.7	240	26.7	187.5	6.29
200305080002		0.68	0.16	6.87	<0.2	80	9.17	0.50	5.14	0.15	1.36	38.2	226	68.2	209	5.47
200305080003		0.98	0.15	6.88	0.6	290	13.35	1.02	3.40	0.11	1.52	36.6	212	193.5	147.5	5.13
200305080004		1.38	0.02	1.20	0.3	10	12.90	0.50	0.11	<0.02	0.16	3.8	205	10.45	26.4	0.65
200305080005		0.46	0.08	7.25	<0.2	120	9.90	0.35	5.46	0.06	1.18	37.7	281	168.0	20.2	5.70
200305080006		0.62	0.13	7.15	<0.2	140	7.65	0.36	4.93	0.11	1.28	47.0	328	252	14.6	5.95
200301030006		0.50	0.11	4.65	<0.2	70	10.90	0.39	2.92	0.19	0.80	27.4	430	24.9	218	4.61

Comments: REE's may not be totally soluble in MS61 method.

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ALS Canada Ltd.
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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 8-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03033608

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200305080001		10.45	0.13	0.2	0.048	0.23	0.5	47.4	6.19	1180	0.86	1.19	0.4	86.6	80	2.8
200305080002		11.30	0.13	0.2	0.042	0.66	0.6	73.3	5.35	1015	0.33	1.59	0.6	108.5	80	3.0
200305080003		10.10	0.13	0.1	0.030	1.86	0.7	173.5	5.34	1090	0.34	1.40	1.2	152.0	100	12.8
200305080004		5.17	<0.05	<0.1	<0.005	0.06	<0.5	19.6	0.43	101	3.72	0.09	0.5	24.2	10	1.6
200305080005		10.15	0.10	0.1	0.038	1.22	0.5	150.5	6.68	1270	0.15	1.63	0.5	170.5	80	3.4
2 /5080006		10.85	0.12	0.1	0.034	1.66	0.6	211	7.11	1200	0.07	1.32	0.4	207	60	3.6
200301030006		10.60	0.08	0.1	0.029	0.16	<0.5	53.0	5.07	873	0.24	0.45	0.4	160.0	10	2.1

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 8-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03033608

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200305080001		33.2	0.005	0.05	<0.05	1	15.9	36.0	<0.05	<0.05	<0.2	0.15	0.28	0.1	233	2.0
200305080002		123.5	<0.002	0.04	<0.05	2	16.1	55.8	<0.05	<0.05	<0.2	0.15	0.92	0.1	215	3.3
200305080003		430	<0.002	0.01	0.27	<1	40.0	39.2	0.11	0.06	<0.2	0.13	2.54	0.1	192	49.0
200305080004		17.0	<0.002	<0.01	<0.05	<1	9.4	4.0	<0.05	<0.05	<0.2	0.01	0.11	<0.1	16	2.9
200305080005		266	<0.002	<0.01	<0.05	<1	24.2	44.3	<0.05	<0.05	<0.2	0.14	1.79	0.1	221	1.4
2 5080006		368	<0.002	<0.01	<0.05	<1	20.2	37.8	<0.05	<0.05	<0.2	0.13	2.84	0.1	207	1.6
200301030006		26.4	<0.002	<0.01	<0.05	<1	33.3	22.6	<0.05	<0.05	<0.2	0.05	0.22	0.1	132	5.2

Comments: REE's may not be totally soluble in MS61 method.

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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 8-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03033608

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
200305080001		7.7	71	2.5
200305080002		8.1	60	2.0
200305080003		6.9	72	2.0
200305080004		0.4	28	<0.5
200305080005		6.5	61	1.9
2 .5080006		5.9	67	1.7
200301030006		4.2	70	1.4

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex
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RUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 1-Oct-2003
Account: THR

CERTIFICATE VA03036632

Project : Regal Ridge

P.O. No:

This report is for 150 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 18-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem
ME-MS61	47 element four acid ICP-MS

20030303041 3 - 562

Holes 10, 11, and part of 12

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: Robert Morgan

ALS Chemex
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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
200303030413		0.76	0.10	5.56	0.2	50	0.74	0.39	4.07	0.09	1.17	38.9	284	27.3	9.8	4.69
200303030414		0.44	<0.02	0.61	0.9	10	0.36	0.11	0.39	<0.02	0.21	5.7	120	9.86	23.4	0.67
200303030415		0.88	0.06	6.36	0.3	40	0.89	0.32	3.39	0.08	1.56	41.8	190	31.4	13.6	4.40
200303030416		0.56	0.10	6.54	0.3	20	1.09	0.31	4.24	0.11	1.16	50.8	440	24.4	38.8	5.68
2[illegible]3030417		0.98	0.10	6.32	0.4	50	2.24	0.27	3.63	0.12	1.28	44.4	376	26.8	48.2	7.30
200303030418		0.74	0.23	5.73	0.6	130	9.70	0.60	1.34	0.07	1.10	51.5	305	143.0	494	10.00
200303030419		0.64	0.24	3.54	<0.2	170	118.5	0.82	1.04	0.05	0.72	36.3	423	193.0	363	6.94
200303030420		0.88	0.14	4.69	<0.2	270	17.20	0.62	1.51	<0.02	0.72	47.5	452	376	116.0	7.88
200303030421		0.36	0.03	0.47	1.0	10	0.61	0.07	0.08	<0.02	0.29	5.9	246	13.90	39.9	1.21
200303030422		0.72	0.16	6.49	1.2	300	3.57	0.67	1.15	0.05	1.92	67.6	310	164.5	171.0	10.75
200303030423		0.98	0.19	6.64	3.7	380	3.91	0.81	1.38	0.10	1.62	107.0	343	170.5	153.5	11.30
200303030424		0.92	0.16	6.94	1.6	140	8.63	0.75	3.62	0.14	2.06	122.5	348	64.7	257	11.45
200303030425		1.24	0.27	9.36	16.1	70	2.09	0.44	1.10	0.16	0.88	90.5	504	19.70	360	11.20
200303030426		0.90	0.10	6.84	<0.2	240	1.60	0.22	4.50	0.17	2.50	63.3	292	47.6	184.0	8.34
200303030427		0.88	0.02	5.92	0.4	70	5.89	0.20	4.44	0.13	1.34	47.2	382	61.3	22.0	6.36
200303030428		0.72	0.29	3.81	0.2	200	13.65	0.75	1.73	0.06	0.62	23.3	480	268	538	7.19
200303030429		0.80	0.02	5.10	0.5	30	6.80	0.35	3.17	0.12	0.53	61.5	603	136.5	41.5	8.78
200303030430		0.54	0.02	6.63	1.2	<10	2.87	0.35	1.72	0.06	1.01	75.0	463	7.05	15.2	9.02
200303030431		0.88	0.04	5.75	0.6	20	4.27	0.47	2.93	0.08	0.72	92.3	634	147.5	19.9	8.84
200303030432		0.48	0.04	4.93	0.5	10	9.13	1.02	2.99	0.10	0.86	59.7	565	410	51.5	7.40
200303030433		0.72	0.03	5.63	<0.2	<10	10.40	1.10	3.76	0.02	0.70	84.3	675	430	16.0	8.98
200303030434		0.54	0.05	4.38	0.5	20	55.8	2.50	3.90	0.10	0.61	50.0	605	417	60.7	8.29
200303030435		0.56	<0.02	1.58	0.6	30	10.60	18.35	0.20	<0.02	0.10	2.2	118	24.0	6.7	0.42
200303030436		0.78	0.19	4.95	0.4	40	66.6	9.17	2.08	<0.02	0.52	51.6	548	479	88.1	7.71
2[illegible]03030437		0.68	0.05	5.48	0.5	40	33.5	1.99	3.86	<0.02	0.57	72.5	711	499	20.6	8.89
2[illegible]03030438		0.78	0.09	4.43	0.3	290	19.95	5.05	2.28	<0.02	1.02	55.5	547	401	128.0	7.47
200303030439		0.78	0.04	6.25	0.3	180	8.92	2.14	3.39	0.04	2.56	52.6	154	141.0	16.0	6.68
200303030440		0.66	0.03	7.06	0.2	<10	1.82	0.45	4.35	0.06	0.94	94.2	635	3.90	11.2	9.87
200303030441		0.62	0.03	6.45	<0.2	50	1.32	0.26	4.24	0.06	3.25	50.7	253	12.15	19.8	7.11
200303030442		0.68	0.04	5.40	0.3	<10	1.30	0.29	3.14	0.04	0.62	54.0	377	4.75	49.2	7.59
200303030443		0.88	0.02	5.89	0.4	10	3.82	0.40	4.82	0.12	1.74	113.5	650	11.00	15.1	7.69
200303030444		0.60	0.02	4.55	0.4	130	9.64	0.41	4.11	0.04	1.04	52.0	543	177.0	16.9	6.03
200303030445		0.68	0.02	3.46	0.3	40	11.05	0.45	4.99	0.10	0.65	47.9	542	121.5	29.0	5.79
200303030446		0.72	0.02	5.53	<0.2	50	10.45	0.31	4.63	0.08	0.88	51.6	583	110.5	0.7	6.45
200303030447		0.92	0.03	3.72	0.4	120	11.10	0.45	3.51	0.12	0.67	69.3	614	221	57.1	6.88
200303030448		0.98	0.05	4.10	0.2	30	5.16	0.45	3.17	0.11	0.64	70.1	634	52.5	60.7	7.98
200303030449		1.08	0.02	5.91	1.0	<10	1.74	0.22	2.43	0.09	1.30	91.0	548	8.06	17.9	8.53
200303030450		0.80	0.21	8.02	1.0	140	0.55	0.29	1.32	0.03	2.91	86.9	41	31.3	404	13.50
200303030451		1.06	0.14	6.86	0.7	220	0.11	0.36	2.75	0.04	3.87	57.0	46	63.1	354	10.10
200303030452		1.24	0.17	7.61	0.2	230	0.09	0.36	2.06	0.03	3.51	145.5	60	47.3	463	11.65

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030453		0.80	0.15	6.81	0.8	90	0.13	0.37	1.79	0.02	2.99	62.7	74	22.3	279	10.50
200303030454		0.58	0.04	8.74	0.5	120	0.56	0.18	2.18	0.02	5.42	92.0	142	27.8	76.0	11.05
200303030455		0.40	0.02	0.71	0.5	<10	<0.05	0.03	0.24	<0.02	0.33	7.3	142	6.82	8.7	1.04
200303030456		0.92	0.02	9.86	0.8	70	0.11	0.11	2.48	0.03	10.15	94.5	27	30.5	<0.2	11.85
200303030457		0.78	0.02	8.03	0.5	<10	0.15	0.09	2.25	0.03	6.42	69.5	276	39.3	<0.2	10.20
200303030458		0.42	<0.02	1.60	0.8	<10	0.07	0.01	0.54	<0.02	0.59	15.4	132	19.20	2.4	2.10
200303030459		0.88	<0.02	6.58	0.4	<10	0.06	0.04	1.14	<0.02	2.59	72.3	158	12.10	1.5	8.70
200303030460		1.16	0.02	6.08	0.5	<10	0.47	0.14	1.69	0.05	1.10	82.5	302	10.30	1.1	8.48
200303030461		0.98	<0.02	5.84	0.4	<10	1.42	0.18	1.20	0.04	1.20	88.2	287	7.67	5.8	9.13
200303030462		0.60	0.07	5.18	0.3	<10	2.89	0.55	1.05	0.12	0.94	151.0	558	10.80	71.8	10.20
200303030463		1.12	0.20	2.30	0.5	<10	4.48	0.83	0.55	0.15	0.42	47.0	326	25.7	71.3	10.15
200303030464		0.68	0.17	2.17	0.3	<10	2.14	0.65	0.46	0.17	0.30	47.0	252	1.91	22.1	9.33
200303030465		0.80	0.26	2.86	0.5	<10	1.40	0.88	0.23	0.08	0.34	45.7	353	23.4	161.5	10.30
200303030466		0.64	0.12	5.82	<0.2	<10	0.87	0.70	0.60	0.02	0.86	96.6	413	8.30	154.0	10.25
200303030467		0.74	0.03	6.28	0.5	<10	0.31	0.14	1.18	0.03	1.27	105.5	446	3.96	15.5	10.05
200303030468		1.12	0.08	4.44	0.4	100	11.20	0.65	4.20	0.07	0.71	31.1	353	79.8	81.2	4.71
200303030469		1.10	0.09	3.25	0.7	120	7.91	1.18	4.98	0.17	0.58	29.6	589	118.0	136.5	5.88
200303030470		0.82	0.08	4.61	0.6	220	7.14	0.68	3.73	0.04	0.82	27.8	338	191.0	99.9	5.64
200303030471		0.60	0.05	2.24	0.3	10	5.08	0.30	1.73	0.06	0.25	10.5	288	11.65	123.5	2.91
200303030472		0.62	0.14	4.29	1.6	140	10.95	0.96	3.18	0.03	0.44	26.4	555	125.5	373	6.36
200303030473		0.60	0.12	1.04	1.3	10	5.16	0.45	1.60	0.03	0.31	10.8	288	13.15	163.0	3.11
200303030474		0.98	0.07	5.33	0.2	130	6.14	0.52	4.90	0.10	0.94	38.6	338	62.7	75.3	7.17
200303030475		0.80	0.02	7.69	0.5	120	0.15	0.21	5.76	0.03	2.08	45.6	242	24.4	4.0	6.92
200303030476		0.90	0.08	5.01	0.3	70	19.65	14.20	3.81	<0.02	1.78	40.4	314	70.2	122.5	6.37
200303030477		0.78	0.02	1.31	0.5	<10	185.0	1.01	0.44	<0.02	0.26	4.6	148	2.55	26.6	0.90
200303030478		1.04	0.07	5.00	0.6	110	40.5	3.66	4.47	<0.02	1.75	38.3	311	66.5	169.0	7.05
200303030479		1.02	0.05	6.86	<0.2	110	31.2	1.11	5.60	<0.02	1.65	37.1	248	62.9	67.0	6.71
200303030480		0.86	0.06	7.02	0.3	100	7.56	0.58	5.28	0.12	1.53	36.0	226	129.5	50.8	6.90
200303030481		0.90	0.03	5.90	0.3	120	2.93	0.45	3.40	0.16	1.57	42.7	208	59.5	28.0	6.91
200303030482		1.16	0.07	3.27	<0.2	<10	4.68	1.24	1.40	0.14	1.08	24.6	213	9.41	78.2	8.55
200303030483		0.90	0.14	2.79	0.2	<10	5.81	1.92	1.55	0.18	0.83	27.3	426	4.02	83.8	9.47
200303030484		0.80	0.89	2.23	0.4	<10	4.55	1.62	1.32	0.19	0.28	166.5	569	9.33	1100	8.33
200303030485		1.20	0.35	2.30	0.5	20	4.19	4.00	1.72	0.11	0.27	137.0	392	35.2	489	10.35
200303030486		0.44	0.09	1.62	0.4	10	3.83	1.45	0.59	0.03	0.37	19.8	301	21.4	101.0	4.62
200303030487		0.64	0.22	3.20	0.9	70	4.64	2.44	0.52	0.09	0.57	44.9	514	64.7	189.5	8.28
200303030488		1.04	0.17	2.12	0.8	60	2.51	1.58	0.18	0.07	0.75	69.6	311	184.5	247	5.97
200303030489		1.14	0.39	2.05	0.7	30	4.57	3.94	0.58	0.26	0.38	146.5	411	147.0	473	7.63
200303030490		0.82	0.23	2.28	0.5	80	5.60	2.02	0.54	0.10	0.85	70.6	493	157.5	254	6.97
200303030491		0.90	0.24	0.71	0.7	<10	62.9	0.96	0.35	0.11	0.26	71.3	276	20.3	316	3.99
200303030492		0.68	0.41	2.51	0.5	10	5.65	5.98	0.77	0.15	1.80	96.8	413	63.3	549	5.95

Comments: REE's may not be totally soluble in MS61 method.

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030493		1.26	0.36	2.58	0.6	20	9.10	6.20	1.18	0.29	0.73	125.0	383	104.5	428	7.44
200303030494		1.10	0.42	2.56	1.2	<10	20.3	5.18	0.81	0.24	1.24	87.4	292	53.7	474	4.69
200303030495		1.14	0.48	4.08	1.1	30	10.30	7.20	1.06	0.08	0.41	94.2	298	178.5	471	6.99
200303030496		0.90	0.02	0.40	0.4	<10	1.77	0.12	0.14	<0.02	0.06	5.0	174	1.42	21.0	0.64
2[illegible]03030497		0.88	0.30	1.28	0.8	<10	2.72	0.39	0.40	0.12	0.40	15.8	206	9.31	249	1.42
2[illegible]03030498		0.84	0.04	1.47	0.5	<10	3.48	0.59	0.58	<0.02	0.21	7.5	169	1.84	36.8	1.12
200303030499		1.14	0.51	3.77	0.2	50	27.0	3.47	0.81	0.08	0.57	89.0	331	262	628	6.64
200303030500		0.88	0.30	3.21	0.5	<10	7.15	3.00	2.40	<0.02	0.51	33.0	231	3.86	460	2.78
200303030501		0.96	0.37	3.41	0.8	10	15.90	4.70	5.20	0.07	0.61	50.8	394	109.5	468	5.87
200303030502		1.10	0.15	4.97	0.8	<10	5.10	1.70	1.58	0.12	0.61	79.5	575	110.0	209	8.75
200303030503		1.06	0.07	6.10	0.7	<10	7.45	0.47	3.76	0.20	2.05	91.0	653	199.0	56.0	9.64
200303030504		1.18	0.02	5.48	0.7	<10	3.56	0.38	3.57	0.19	1.18	92.0	781	107.0	9.0	9.16
200303030505		1.02	0.04	3.31	0.9	<10	6.28	1.24	3.40	0.24	0.60	52.1	552	52.7	45.3	7.51
200303030506		0.98	0.03	3.23	0.7	10	36.7	1.39	4.54	0.28	0.44	48.3	613	62.1	59.0	6.73
200303030507		0.50	0.05	1.14	0.6	10	26.6	1.56	1.76	0.02	0.13	12.7	287	32.3	56.0	2.10
200303030508		0.80	0.08	3.49	0.3	70	31.1	1.24	3.71	0.23	0.88	44.8	357	103.0	108.0	6.22
200303030509		0.60	0.09	3.65	0.4	80	24.1	1.15	3.95	0.17	0.82	31.5	337	106.5	130.0	6.30
200303030510		0.96	0.02	4.65	0.5	10	6.58	0.48	4.16	0.13	1.21	37.7	370	105.5	2.7	5.65
200303030511		1.20	0.02	5.22	0.4	<10	1.47	0.34	3.60	0.13	0.36	104.5	980	68.2	9.9	10.95
200303030512		1.06	0.04	5.84	0.6	<10	4.39	0.48	0.95	0.10	0.76	141.0	1090	350	122.0	11.15
200303030513		0.92	0.06	6.32	0.6	10	3.05	0.58	0.65	0.08	1.10	144.5	349	375	73.7	11.35
200303030514		0.96	0.08	3.43	8.9	<10	3.10	1.05	0.38	0.07	0.81	86.7	238	257	91.4	9.44
200303030515/517		1.78	0.06	4.85	0.9	<10	8.29	1.38	0.24	0.04	0.67	111.5	284	>500	85.2	9.85
200303030516		1.28	0.32	2.47	0.5	10	18.00	2.77	0.92	0.06	0.99	147.0	552	223	569	8.77
2[illegible]303030517		Not Recvd														
[illegible]03030518		1.06	0.37	4.01	1.0	10	43.5	4.99	1.34	0.11	2.91	145.0	136	381	584	10.70
200303030519		0.98	0.15	2.65	3.4	<10	8.92	3.31	0.63	0.18	1.12	113.0	497	112.5	198.0	10.05
200303030520		0.98	0.04	3.94	10.0	<10	8.32	1.08	0.62	0.07	0.46	134.5	503	499	58.7	9.64
200303030521		0.98	0.05	4.73	1.1	<10	8.18	0.46	0.51	<0.02	1.48	106.0	258	>500	87.8	9.19
200303030522		1.12	0.25	3.45	0.7	30	40.0	11.25	0.75	<0.02	1.22	78.0	391	437	368	7.71
200303030523		0.64	0.17	1.29	1.1	<10	14.35	3.95	0.34	0.08	0.49	41.9	92	7.21	254	1.58
200303030524		1.10	0.30	3.21	0.7	10	12.50	10.10	0.12	<0.02	1.19	130.5	166	303	557	6.73
200303030525		1.12	0.11	3.71	0.7	10	16.15	2.13	0.13	<0.02	1.75	121.5	219	>500	273	7.54
200303030526		1.12	0.39	3.49	1.2	<10	933	61.6	0.86	0.16	2.39	88.8	210	140.5	618	7.14
200303030527		0.82	<0.02	0.94	0.5	<10	828	217	0.30	0.14	0.97	9.4	118	9.69	39.7	0.93
200303030528		0.42	0.05	0.88	0.6	<10	>1000	58.7	0.47	0.14	1.16	10.0	335	4.29	63.2	1.32
200303030529		1.16	0.43	5.14	0.6	60	196.0	17.75	0.84	0.20	2.50	104.0	114	304	794	7.60
200303030530		1.24	0.31	4.64	1.8	20	22.8	8.24	1.58	0.19	3.92	66.8	117	115.5	626	7.30
200303030531		1.34	0.42	3.65	0.5	<10	11.30	14.95	1.36	0.33	2.86	105.5	122	80.4	896	7.92
200303030532		1.12	0.22	5.63	0.3	<10	5.96	4.30	0.32	0.04	2.71	72.5	480	>500	350	8.97

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200303030533		0.64	0.12	4.42	1.2	<10	4.79	1.48	0.90	0.15	4.57	76.7	286	122.0	145.0	9.03
200303030534		0.62	0.03	1.68	0.3	<10	1.94	0.37	0.39	0.05	2.30	24.0	216	54.2	21.3	3.86
200303030535		1.00	0.07	6.29	0.5	<10	3.02	0.79	1.44	0.11	2.35	59.0	505	314	15.8	9.47
200303030536		0.94	0.07	5.98	<0.2	<10	3.39	0.42	2.43	0.15	2.14	57.9	568	430	2.3	8.67
2[illegible]3030537		1.06	0.05	7.18	<0.2	30	10.05	0.37	5.39	0.12	3.58	47.5	173	89.8	16.8	6.30
200303030538		0.82	0.11	4.73	0.6	30	116.5	41.2	1.62	0.07	3.47	44.8	478	251	281	6.10
200303030539		0.72	0.11	5.49	0.3	40	135.0	30.3	1.47	0.04	3.81	74.4	489	387	364	7.65
200303030540		0.84	0.06	5.24	<0.2	40	13.00	0.58	1.92	0.07	1.64	85.7	182	365	145.0	7.88
200303030541		0.76	0.11	5.11	<0.2	10	11.85	1.24	3.49	0.21	1.43	67.0	764	182.5	197.5	9.46
200303030542		0.70	0.16	5.01	<0.2	<10	9.45	1.61	2.58	0.08	1.04	50.5	659	170.0	196.0	8.65
200303030543		0.62	0.08	5.48	0.5	10	5.69	0.41	3.87	0.18	0.72	75.2	708	244	26.5	8.82
200303030544		1.46	0.14	4.67	0.3	<10	3.94	0.71	3.35	0.16	0.50	33.6	308	15.65	74.5	4.45
200303030545		1.02	0.06	4.30	<0.2	<10	27.3	0.24	2.97	0.10	0.44	22.7	210	15.90	39.5	3.11
200303030546		1.22	0.11	3.95	<0.2	60	45.3	1.02	4.37	0.19	1.06	29.7	280	58.0	89.9	4.93
200303030547		1.18	0.14	4.37	0.3	140	27.9	1.85	4.70	0.27	0.87	29.7	464	133.0	126.5	5.82
200303030548		0.88	0.17	4.97	<0.2	30	89.6	5.59	5.57	0.13	2.08	56.4	237	23.2	162.5	6.02
200303030549		1.28	0.22	4.41	<0.2	<10	184.5	2.55	3.63	0.31	1.30	39.5	241	2.81	378	5.19
200303030550		0.94	0.26	4.30	<0.2	<10	34.5	1.34	3.98	<0.02	1.51	27.5	343	4.23	399	6.28
200303030551		1.14	0.24	4.25	<0.2	60	30.6	1.74	4.67	0.23	1.59	31.3	298	61.7	347	6.26
200303030552		1.02	0.19	4.25	0.3	20	37.6	3.42	5.47	0.10	1.56	49.3	406	22.4	237	6.32
200303030553		1.04	0.19	4.14	<0.2	40	31.8	1.62	4.55	0.29	0.84	23.8	400	52.7	156.5	5.55
200303030554		0.72	0.15	5.66	<0.2	100	13.85	0.59	4.22	0.09	1.11	41.9	407	189.0	106.5	6.64
200303030555		1.24	0.15	6.97	<0.2	60	1.08	0.26	5.58	0.11	1.36	36.6	203	38.2	117.0	5.69
200303030556		0.74	0.08	3.04	<0.2	20	14.05	0.67	3.67	0.17	0.94	24.9	210	15.10	36.9	3.52
[illegible]303030557		1.28	0.10	4.31	<0.2	<10	11.00	1.18	2.95	0.12	0.70	25.6	220	2.95	112.5	3.81
[illegible]303030558		1.24	0.17	7.47	<0.2	120	2.65	0.30	3.77	0.09	1.45	38.6	219	203	117.0	5.73
200303030559		0.78	0.41	3.15	0.3	90	12.05	3.15	2.95	0.25	0.77	115.0	413	140.0	740	9.39
200303030560		0.68	0.25	3.48	<0.2	110	54.8	1.70	3.60	0.16	0.62	17.2	535	212	171.5	6.61
200303030561		1.08	0.23	5.79	<0.2	360	31.8	1.74	2.03	0.11	0.62	63.2	739	>500	421	7.70
200303030562		0.62	0.31	4.84	<0.2	20	67.0	1.34	2.53	0.26	0.74	52.6	410	38.7	635	6.26

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
200303030413		8.35	0.10	0.1	0.037	0.41	0.5	53.6	5.77	1035	0.72	1.38	0.3	194.0	60	2.9
200303030414		0.98	<0.05	<0.1	<0.005	0.09	<0.5	5.8	0.25	108	3.12	0.12	0.2	16.8	50	0.7
200303030415		6.70	0.06	0.1	0.022	0.39	0.6	56.1	5.56	954	0.36	1.95	0.3	117.0	80	3.2
200303030416		7.42	0.08	0.1	0.031	0.17	<0.5	73.0	7.76	1210	0.11	1.24	0.3	236	60	2.8
200303030417		11.90	0.08	0.1	0.103	0.26	0.5	78.7	6.26	1250	0.19	0.65	0.4	167.0	110	1.7
200303030418		13.05	0.12	0.1	0.110	0.71	<0.5	197.0	5.86	1040	1.01	0.22	1.0	96.4	110	1.7
200303030419		10.35	0.10	0.1	0.039	1.10	<0.5	118.0	3.99	681	18.30	0.20	3.0	81.7	60	1.3
200303030420		11.85	0.11	0.1	0.046	1.90	<0.5	206	5.83	1125	6.27	0.22	1.5	136.5	70	1.5
200303030421		0.89	<0.05	0.1	0.005	0.08	<0.5	12.0	0.49	105	2.17	0.01	0.2	15.9	160	<0.5
200303030422		17.05	0.27	0.2	0.033	1.20	0.8	174.0	6.70	910	0.44	0.24	0.5	87.8	100	1.5
200303030423		15.95	0.25	0.2	0.038	1.40	0.7	169.0	6.83	1010	0.55	0.30	0.5	114.5	120	1.3
200303030424		15.15	0.29	0.3	0.055	0.59	0.8	117.5	7.95	1580	0.24	0.42	0.7	160.5	<10	0.8
200303030425		18.75	0.26	0.3	0.060	0.23	<0.5	145.0	9.90	1260	0.19	0.13	0.9	158.5	100	0.5
200303030426		13.25	0.19	0.3	0.079	0.76	1.0	87.0	6.62	1455	0.25	0.77	0.4	124.5	20	1.4
200303030427		9.88	0.15	0.2	0.046	0.51	0.5	83.6	7.16	1480	0.51	1.09	0.3	194.5	60	1.6
200303030428		13.35	0.21	0.1	0.031	1.64	<0.5	177.5	5.32	1055	4.77	0.28	2.4	60.8	70	1.8
200303030429		10.50	0.21	0.1	0.036	0.76	<0.5	123.0	8.16	1480	0.29	0.23	0.4	236	90	0.7
200303030430		14.60	0.24	0.2	0.037	0.08	<0.5	99.2	8.23	1190	0.41	0.22	0.6	229	60	0.6
200303030431		11.30	0.26	0.1	0.027	0.83	<0.5	130.5	9.10	1265	0.22	0.17	0.4	299	60	0.5
200303030432		11.00	0.22	0.1	0.025	2.50	<0.5	236	8.34	1145	1.52	0.61	1.5	203	30	1.2
200303030433		10.90	0.25	0.1	0.020	2.56	<0.5	266	10.25	1425	0.45	0.27	0.5	301	70	1.2
200303030434		14.75	0.23	0.1	0.028	3.06	<0.5	252	9.67	1500	1.62	0.27	2.9	172.5	30	1.1
200303030435		11.70	<0.05	<0.1	<0.005	0.54	<0.5	16.6	0.09	44	1.39	0.22	2.4	10.7	<10	1.0
200303030436		20.3	0.23	0.1	0.022	3.37	<0.5	306	7.86	1190	3.72	0.26	4.5	183.5	50	2.0
200303030437		12.45	0.21	0.1	0.032	3.06	<0.5	294	9.74	1385	0.62	0.32	1.1	306	10	1.3
200303030438		14.10	0.22	0.1	0.026	2.45	0.5	204	6.97	1020	5.41	0.25	2.5	138.0	80	1.4
200303030439		14.00	0.19	0.2	0.053	1.02	1.0	88.2	4.75	967	0.46	0.51	0.6	89.9	100	1.6
200303030440		12.65	0.25	0.2	0.033	0.06	<0.5	87.6	10.20	1430	0.26	0.23	0.4	311	30	<0.5
200303030441		12.25	0.20	0.3	0.044	0.23	1.2	56.9	5.95	1080	1.24	0.77	0.6	140.0	80	1.8
200303030442		10.20	0.19	0.2	0.035	0.07	<0.5	74.1	7.33	1030	2.74	0.22	0.4	162.5	40	<0.5
200303030443		9.90	0.18	0.1	0.044	0.12	0.7	87.2	9.96	1525	0.21	0.27	0.3	371	50	0.5
200303030444		8.43	0.17	0.2	0.030	1.22	<0.5	128.0	8.44	1170	0.45	0.28	0.9	271	10	1.0
200303030445		7.86	0.18	0.1	0.021	0.83	<0.5	86.3	8.34	1285	0.22	0.30	1.1	275	20	1.0
200303030446		8.41	0.17	0.1	0.028	0.71	<0.5	111.0	9.43	1240	0.18	0.38	0.4	318	60	1.1
200303030447		8.93	0.17	0.1	0.030	1.42	<0.5	137.5	8.58	1195	2.39	0.23	1.7	286	40	1.1
200303030448		8.73	0.19	0.1	0.030	0.30	<0.5	64.0	8.53	1325	0.48	0.16	0.7	274	100	0.7
200303030449		12.40	0.23	0.2	0.033	0.03	0.6	84.0	8.10	1155	0.21	0.11	0.3	264	40	<0.5
200303030450		18.95	0.30	0.4	0.038	0.38	1.2	110.0	6.61	870	0.53	0.22	1.2	51.2	360	1.1
200303030451		17.45	0.21	0.3	0.047	0.71	1.4	75.9	4.33	797	0.53	0.43	1.1	24.7	240	2.1
200303030452		16.85	0.29	0.3	0.050	0.52	1.5	102.0	5.83	899	0.50	0.40	1.1	59.2	340	1.4

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Date : 1-Oct-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030453		15.80	0.25	0.2	0.045	0.27	1.4	83.8	5.58	849	0.46	0.29	1.0	28.6	210	1.1
200303030454		18.70	0.27	0.3	0.051	0.36	1.9	126.5	6.83	993	0.50	0.44	1.3	105.0	280	1.4
200303030455		1.34	<0.05	<0.1	<0.005	0.03	<0.5	10.2	0.57	83	0.85	0.01	0.1	20.4	20	<0.5
200303030456		19.25	0.29	0.3	0.041	0.50	3.9	119.0	8.26	1155	0.27	0.48	1.7	57.8	440	1.4
2[illegible]3030457		15.95	0.23	0.2	0.038	0.24	2.2	96.2	6.46	865	0.51	0.44	1.3	128.0	280	1.2
200303030458		3.22	0.06	0.1	0.008	0.03	<0.5	22.5	1.29	182	0.60	0.03	0.2	22.7	90	0.9
200303030459		14.05	0.18	0.1	0.040	0.13	1.1	89.0	5.78	670	0.46	0.17	0.4	81.5	170	0.8
200303030460		13.35	0.22	0.1	0.020	0.01	0.5	96.7	6.24	627	0.80	0.02	0.4	188.5	100	<0.5
200303030461		14.55	0.20	0.1	0.022	0.01	0.5	86.5	5.89	626	0.27	0.03	0.4	127.0	60	<0.5
200303030462		13.70	0.28	0.2	0.023	0.03	<0.5	76.2	6.32	823	8.30	0.07	0.4	447	130	0.6
200303030463		6.50	0.26	0.1	0.008	0.13	<0.5	25.3	5.35	944	34.2	0.17	0.3	74.5	90	1.6
200303030464		6.17	0.26	0.1	0.007	0.01	<0.5	18.9	5.53	1010	1.16	0.17	0.2	64.1	80	1.3
200303030465		8.64	0.27	0.1	0.012	0.10	<0.5	28.4	4.28	713	8.80	0.13	0.3	79.6	30	1.4
200303030466		15.75	0.24	0.1	0.030	0.02	<0.5	74.6	5.41	623	4.67	0.05	0.4	212	80	<0.5
200303030467		16.20	0.23	0.1	0.031	0.02	0.5	82.1	6.95	854	0.88	0.07	0.4	317	90	0.6
200303030468		7.62	0.13	0.2	0.027	0.63	<0.5	72.1	6.08	1020	0.29	0.76	0.5	181.5	<10	2.1
200303030469		6.93	0.18	0.1	0.031	1.02	<0.5	108.0	9.11	1520	0.52	0.31	0.8	178.5	<10	1.8
200303030470		7.92	0.17	0.2	0.039	1.67	<0.5	153.5	7.07	1145	0.47	0.52	0.4	111.0	60	2.2
200303030471		5.20	0.09	0.1	0.017	0.13	<0.5	28.0	3.20	576	0.97	0.21	0.1	44.2	20	1.5
200303030472		10.50	0.18	0.1	0.035	1.35	<0.5	140.0	7.90	1110	1.12	0.28	0.3	107.0	<10	2.3
200303030473		2.85	0.11	0.1	0.013	0.12	<0.5	20.0	2.25	500	1.34	0.12	0.2	44.6	80	1.0
200303030474		10.80	0.17	0.2	0.053	0.72	<0.5	99.6	8.32	1555	0.62	0.59	0.4	138.0	10	1.5
200303030475		16.00	0.18	0.3	0.057	0.40	0.9	89.2	7.37	1425	0.24	1.13	0.4	118.5	40	1.8
200303030476		14.45	0.15	0.2	0.046	0.60	0.7	136.5	5.44	1130	1.34	0.37	1.1	110.5	590	2.3
2[illegible]03030477		4.79	<0.05	<0.1	<0.005	0.01	<0.5	16.7	0.55	123	13.70	0.09	0.1	14.6	140	0.8
2[illegible]03030478		16.00	0.16	0.3	0.058	0.55	0.6	98.0	5.83	1425	1.31	0.56	1.7	85.0	50	2.4
200303030479		16.10	0.18	0.3	0.051	0.68	0.7	61.0	4.76	1365	0.67	0.85	0.6	70.2	90	2.6
200303030480		14.90	0.19	0.2	0.043	0.88	0.6	83.0	5.72	1315	0.40	0.91	0.4	70.6	30	2.7
200303030481		12.95	0.16	0.2	0.058	0.72	0.6	80.6	5.90	1290	0.53	0.46	0.4	79.0	40	1.6
200303030482		7.67	0.21	0.2	0.076	0.09	0.5	24.4	5.18	1280	0.75	0.28	0.2	41.1	120	2.1
200303030483		7.01	0.26	0.2	0.059	0.03	<0.5	20.3	5.99	1485	1.02	0.25	0.3	75.1	80	2.1
200303030484		6.62	0.22	0.1	0.038	0.04	<0.5	14.2	2.86	782	1.80	0.20	0.2	445	20	2.0
200303030485		7.71	0.29	0.1	0.035	0.21	<0.5	32.3	2.27	629	1.78	0.19	0.3	356	20	1.1
200303030486		4.20	0.09	<0.1	0.013	0.11	<0.5	23.5	1.92	444	1.40	0.11	0.3	61.4	40	1.0
200303030487		9.44	0.20	0.1	0.029	0.34	<0.5	61.3	3.66	675	33.2	0.12	0.2	103.5	150	1.4
200303030488		6.40	0.16	0.1	0.011	0.91	<0.5	67.7	2.74	418	9.07	0.07	0.3	87.0	40	1.3
200303030489		6.56	0.19	0.1	0.020	0.69	<0.5	54.4	3.48	619	59.5	0.12	0.3	247	40	1.8
200303030490		8.00	0.16	0.1	0.010	0.79	<0.5	77.7	3.51	655	5.59	0.13	0.4	106.5	40	1.5
200303030491		2.29	0.12	0.1	0.008	0.13	<0.5	21.3	1.45	539	18.10	0.06	0.2	117.0	50	0.7
200303030492		6.39	0.18	0.1	0.023	0.51	0.9	63.9	2.79	753	3.24	0.18	0.4	167.0	10	1.7

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030493		7.04	0.19	0.1	0.029	0.78	<0.5	94.7	4.50	1415	49.6	0.20	0.8	221	30	1.6
200303030494		6.41	0.14	0.1	0.024	0.37	0.6	55.1	2.47	654	49.6	0.19	0.4	155.5	250	2.1
200303030495		14.85	0.16	0.1	0.023	1.46	<0.5	171.0	5.04	589	1.46	0.26	1.1	176.0	<10	2.7
200303030496		1.10	<0.05	<0.1	<0.005	0.01	<0.5	4.9	0.19	86	1.10	0.03	0.1	13.8	10	<0.5
200303030497		3.25	<0.05	<0.1	0.012	0.04	<0.5	16.4	0.98	190	6.55	0.06	0.1	46.8	90	0.7
200303030498		4.21	<0.05	<0.1	<0.005	0.01	<0.5	13.4	0.65	253	0.80	0.10	0.1	23.5	30	1.1
200303030499		17.95	0.19	0.2	0.019	2.14	<0.5	264	5.34	469	0.95	0.20	0.4	255	170	2.3
200303030500		16.75	0.08	0.1	0.010	0.01	<0.5	26.6	1.46	536	5.78	0.23	0.2	81.8	330	2.4
200303030501		10.00	0.15	0.1	0.034	0.70	<0.5	127.5	3.80	1375	0.88	0.18	0.5	203	<10	2.3
200303030502		11.25	0.21	0.1	0.033	0.62	<0.5	82.1	8.46	1400	2.21	0.14	0.5	334	20	1.4
200303030503		12.10	0.23	0.2	0.063	0.99	0.9	141.5	9.86	1390	0.54	0.18	0.5	338	<10	0.6
200303030504		10.50	0.24	0.1	0.048	0.58	0.5	98.8	9.30	1390	0.20	0.14	0.4	374	<10	0.6
200303030505		7.02	0.16	0.1	0.037	0.27	<0.5	38.4	7.76	1490	0.57	0.26	0.4	259	<10	1.6
200303030506		7.87	0.18	0.1	0.039	0.38	<0.5	48.6	7.65	1610	0.32	0.34	0.5	294	<10	1.8
200303030507		4.30	0.07	<0.1	<0.005	0.19	<0.5	32.9	1.39	469	1.42	0.07	0.3	79.0	<10	1.0
200303030508		9.24	0.17	0.1	0.025	0.69	<0.5	84.9	5.92	1300	0.61	0.34	1.1	187.0	50	1.9
200303030509		8.97	0.15	0.1	0.031	0.76	<0.5	87.9	6.19	1280	0.73	0.35	1.0	115.5	10	2.0
200303030510		8.52	0.15	0.1	0.023	0.52	0.5	67.5	6.81	1160	0.21	0.38	0.4	198.5	100	1.5
200303030511		17.50	0.25	0.2	0.043	0.27	<0.5	86.8	8.73	896	0.25	0.17	0.3	399	50	<0.5
200303030512		22.6	0.22	0.2	0.015	1.27	<0.5	173.0	6.20	601	1.61	0.09	0.4	325	120	1.0
200303030513		21.0	0.26	0.2	0.018	1.35	0.5	174.0	6.35	711	0.49	0.26	0.5	174.5	50	2.0
200303030514		11.80	0.20	0.1	0.011	0.89	<0.5	120.5	4.70	731	2.01	0.10	0.4	122.0	90	1.6
200303030515/517		17.30	0.26	0.1	0.008	1.71	<0.5	209	5.05	545	4.50	0.10	0.5	177.0	90	1.4
200303030516		10.75	0.22	0.1	0.027	0.99	<0.5	141.0	2.97	449	1.26	0.15	0.8	252	40	1.5
200303030517																
200303030518		17.15	0.29	0.2	0.024	1.74	1.1	171.5	5.35	666	2.64	0.25	1.9	222	170	3.1
200303030519		9.89	0.30	0.1	0.015	0.49	<0.5	63.9	5.17	961	0.97	0.20	0.4	271	60	2.5
200303030520		14.50	0.26	0.1	0.013	2.09	<0.5	221	5.54	790	1.76	0.15	0.5	232	140	1.9
200303030521		15.30	0.25	0.2	0.011	2.91	0.7	277	5.31	722	0.40	0.12	0.6	176.0	100	2.0
200303030522		16.05	0.25	0.1	0.007	2.39	0.6	316	4.19	728	3.21	0.13	3.0	175.5	110	2.3
200303030523		7.85	0.07	<0.1	<0.005	0.03	<0.5	19.2	0.40	172	1.50	0.10	0.1	85.0	10	1.1
200303030524		14.80	0.22	0.1	0.005	1.73	0.5	209	2.59	513	3.65	0.12	1.3	189.5	110	1.9
200303030525		11.20	0.21	0.1	0.011	2.97	1.2	297	3.89	523	5.17	0.08	1.2	135.5	80	1.5
200303030526		16.55	0.22	0.1	0.011	0.73	1.0	110.5	2.18	567	13.70	0.23	1.8	143.0	320	3.3
200303030527		5.59	0.29	<0.1	<0.005	0.01	<0.5	20.2	0.36	180	61.8	0.07	0.2	26.1	10	1.5
200303030528		4.89	0.22	<0.1	<0.005	0.02	<0.5	20.3	0.30	185	43.9	0.06	0.1	26.6	120	1.3
200303030529		19.85	0.22	0.1	0.031	2.44	1.0	321	3.34	768	29.0	0.21	2.9	92.9	480	3.0
200303030530		15.10	0.13	0.2	0.053	0.92	1.5	104.5	2.73	635	1.18	0.37	2.6	76.7	390	4.0
200303030531		10.60	0.14	0.2	0.056	0.52	1.0	64.3	2.87	504	0.72	0.28	1.0	126.0	90	3.7
200303030532		12.95	0.15	0.1	0.020	3.32	0.9	248	7.70	874	0.93	0.18	0.7	156.5	110	2.4

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030533		8.47	0.14	0.1	0.026	0.63	1.6	70.0	6.23	1330	0.49	0.27	0.7	221	280	2.4
200303030534		3.17	0.07	0.1	0.007	0.26	0.8	27.9	2.26	616	1.31	0.11	0.5	62.1	80	1.0
200303030535		11.40	0.12	0.1	0.025	1.72	0.9	166.0	8.21	973	0.31	0.15	0.8	239	180	1.0
200303030536		10.40	0.14	0.1	0.029	2.48	0.9	213	8.16	972	0.31	0.20	0.4	285	70	0.9
2[illegible]03030537		16.90	0.10	0.3	0.066	0.92	1.3	59.0	4.33	842	0.29	0.41	0.9	135.5	160	2.4
2[illegible]03030538		20.8	0.10	0.1	0.019	1.69	1.2	193.5	5.39	681	7.61	0.26	2.1	191.0	890	1.9
200303030539		16.80	0.13	0.1	0.023	2.41	1.3	259	6.29	651	6.24	0.21	1.3	284	1040	1.9
200303030540		11.40	0.12	0.1	0.041	2.35	0.6	217	6.09	692	1.10	0.22	0.8	183.5	210	1.4
200303030541		12.75	0.12	0.1	0.044	1.16	0.6	103.0	8.27	1225	7.50	0.26	0.6	247	70	1.5
200303030542		13.55	0.38	0.1	0.034	1.06	0.5	91.6	6.64	1045	9.67	0.32	0.8	175.5	60	3.2
200303030543		11.30	0.11	0.2	0.038	1.61	<0.5	140.5	9.23	1075	0.58	0.20	0.4	304	<10	0.5
200303030544		8.53	0.08	0.1	0.025	0.07	<0.5	36.7	4.89	821	0.30	0.40	0.1	161.5	<10	1.3
200303030545		7.88	0.06	0.1	0.019	0.04	<0.5	26.1	3.81	640	0.52	0.37	0.1	117.5	40	1.4
200303030546		6.72	0.10	0.1	0.030	0.51	<0.5	62.8	6.08	1095	0.30	0.51	0.4	125.0	<10	1.7
200303030547		8.75	0.10	0.1	0.036	1.24	<0.5	114.5	7.25	1280	0.30	0.45	1.1	144.5	30	1.9
200303030548		15.50	0.07	0.2	0.063	0.51	0.8	55.7	5.34	1535	0.30	0.67	4.4	124.0	<10	2.7
200303030549		15.90	0.06	0.1	0.073	0.11	0.6	54.5	4.70	1080	1.08	0.46	0.1	74.2	310	2.6
200303030550		15.50	0.07	0.1	0.087	0.08	0.6	51.5	5.54	1180	0.73	0.45	0.2	87.2	290	2.3
200303030551		12.90	0.08	0.2	0.074	0.62	0.7	102.0	6.73	1400	0.30	0.51	2.4	86.9	250	2.2
200303030552		15.20	0.09	0.2	0.065	0.26	0.6	75.1	6.91	1635	0.29	0.55	2.2	138.5	230	2.3
200303030553		12.20	0.07	0.1	0.065	0.43	<0.5	73.0	6.58	1335	1.02	0.47	1.4	94.7	60	2.2
200303030554		9.98	0.06	0.1	0.032	1.24	<0.5	195.5	8.26	1330	0.14	0.67	0.5	176.5	<10	1.9
200303030555		12.15	0.10	0.3	0.099	0.46	0.5	63.2	6.46	1320	0.23	1.38	0.3	94.3	70	2.8
200303030556		5.32	0.07	0.1	0.030	0.23	<0.5	27.7	4.20	858	0.32	0.57	0.5	93.8	80	1.3
2[illegible]03030557		8.28	0.08	0.1	0.025	0.02	<0.5	33.2	4.39	720	0.46	0.39	0.1	135.0	<10	2.0
[illegible]03030558		10.30	0.09	0.2	0.060	1.59	0.6	146.0	7.00	1170	0.42	1.14	0.3	110.0	120	2.8
200303030559		6.37	0.16	0.1	0.054	0.99	<0.5	91.8	6.63	1195	1.06	0.21	0.3	356	60	1.5
200303030560		9.66	0.12	0.1	0.057	1.69	<0.5	157.0	7.70	1280	0.44	0.28	0.5	103.5	<10	1.5
200303030561		13.25	0.14	0.1	0.044	4.76	<0.5	445	10.45	1245	0.23	0.28	0.8	350	<10	2.4
200303030562		12.00	0.11	0.1	0.047	0.28	<0.5	55.8	4.65	775	0.51	0.49	0.2	224	<10	2.9

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Tl	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.01	0.02	0.1	1	0.1
200303030413		65.2	<0.002	0.01	<0.05	<1	1.3	60.2	<0.05	<0.05	<0.2	0.10	0.55	0.1	186	1.0
200303030414		14.8	<0.002	0.01	<0.05	<1	1.1	5.7	<0.05	<0.05	<0.2	0.01	0.15	<0.1	17	2.5
200303030415		60.5	<0.002	<0.01	<0.05	<1	5.9	69.5	<0.05	<0.05	<0.2	0.13	0.44	0.1	141	0.8
200303030416		22.4	<0.002	<0.01	<0.05	<1	7.5	53.9	<0.05	<0.05	<0.2	0.11	0.19	0.1	186	0.7
2[illegible]03030417		33.2	<0.002	0.11	<0.05	<1	6.4	35.0	<0.05	<0.05	<0.2	0.15	0.28	0.2	257	1.6
2[illegible]03030418		123.5	0.010	0.61	0.20	2	13.8	7.9	0.20	0.06	<0.2	0.15	1.08	0.3	216	3.7
200303030419		211	0.116	0.77	<0.05	4	13.4	6.0	0.45	0.07	<0.2	0.09	1.72	0.2	136	1.2
200303030420		369	0.045	0.36	<0.05	<1	26.4	4.3	0.31	0.05	<0.2	0.11	2.62	0.2	176	0.5
200303030421		11.8	<0.002	0.05	<0.05	<1	1.1	0.8	<0.05	<0.05	<0.2	0.01	0.09	<0.1	21	0.6
200303030422		191.5	0.008	1.24	0.12	2	10.6	3.6	<0.05	0.10	0.3	0.19	1.40	0.3	257	0.6
200303030423		209	0.006	1.83	0.08	1	11.4	5.5	<0.05	0.10	<0.2	0.19	1.56	0.2	262	0.5
200303030424		82.1	0.006	1.84	0.08	1	25.8	3.7	<0.05	0.05	<0.2	0.19	0.61	0.4	283	0.6
200303030425		29.2	0.004	0.32	0.12	<1	5.1	2.6	0.06	0.05	0.2	0.26	0.28	0.5	376	0.5
200303030426		117.0	<0.002	0.09	<0.05	<1	5.9	20.2	<0.05	<0.05	<0.2	0.21	0.70	0.5	349	0.6
200303030427		84.1	0.002	0.09	<0.05	<1	5.8	33.9	<0.05	<0.05	<0.2	0.12	0.43	0.1	209	0.2
200303030428		312	0.014	0.75	<0.05	<1	29.4	9.1	0.15	0.05	<0.2	0.09	1.71	0.2	136	1.1
200303030429		153.5	0.002	0.13	<0.05	<1	10.4	1.6	<0.05	<0.05	<0.2	0.08	0.86	0.1	215	0.3
200303030430		12.5	0.002	0.05	0.08	<1	3.0	4.0	<0.05	<0.05	0.2	0.16	0.07	0.3	243	0.4
200303030431		178.5	0.002	0.09	0.05	<1	10.2	1.1	<0.05	<0.05	<0.2	0.10	1.16	0.1	215	0.4
200303030432		590	0.002	0.08	<0.05	<1	27.5	3.3	0.09	<0.05	<0.2	0.13	3.74	0.1	202	0.7
200303030433		600	<0.002	0.07	<0.05	<1	27.6	1.9	<0.05	<0.05	<0.2	0.11	3.78	0.1	220	0.3
200303030434		760	0.002	0.27	<0.05	<1	34.1	2.8	0.22	<0.05	<0.2	0.09	4.29	0.1	204	0.8
200303030435		87.6	<0.002	0.05	0.07	<1	16.7	7.7	0.08	0.11	<0.2	0.01	0.41	<0.1	5	0.8
200303030436		870	<0.002	0.27	0.07	<1	37.1	3.3	0.19	0.06	<0.2	0.08	4.82	0.1	171	13.4
[illegible]303030437		740	<0.002	0.10	<0.05	<1	41.1	2.3	<0.05	<0.05	<0.2	0.09	4.57	0.1	226	0.8
[illegible]303030438		540	0.006	0.36	<0.05	<1	31.5	4.3	0.36	0.13	<0.2	0.08	3.29	0.2	175	0.6
200303030439		205	0.003	0.13	0.06	<1	10.4	34.7	<0.05	0.26	<0.2	0.21	1.40	0.2	263	24.4
200303030440		3.6	0.002	0.10	<0.05	<1	3.3	1.7	<0.05	0.06	<0.2	0.14	0.06	<0.1	244	0.6
200303030441		30.4	0.005	0.08	0.07	<1	2.2	41.9	<0.05	<0.05	<0.2	0.23	0.18	0.3	267	0.5
200303030442		7.3	0.016	0.11	0.05	<1	1.8	2.0	<0.05	<0.05	<0.2	0.12	0.04	0.1	193	0.3
200303030443		17.2	<0.002	0.05	0.06	<1	4.1	3.7	<0.05	<0.05	<0.2	0.10	0.12	0.1	247	0.6
200303030444		241	<0.002	0.11	0.05	<1	18.6	8.6	0.09	<0.05	<0.2	0.09	1.62	0.1	194	0.4
200303030445		163.5	<0.002	0.26	0.06	<1	25.7	9.5	0.14	<0.05	<0.2	0.06	1.10	0.1	183	0.2
200303030446		139.0	<0.002	0.02	0.09	<1	9.5	11.2	<0.05	<0.05	<0.2	0.09	0.90	0.1	222	0.2
200303030447		277	0.013	0.25	<0.05	<1	20.7	4.9	0.12	<0.05	<0.2	0.07	1.76	0.1	181	0.3
200303030448		56.1	0.004	0.21	<0.05	<1	10.9	4.7	<0.05	<0.05	<0.2	0.06	0.47	0.1	189	0.2
200303030449		2.5	<0.002	0.06	0.06	<1	2.4	2.1	<0.05	<0.05	<0.2	0.11	0.05	0.1	218	0.3
200303030450		49.3	0.006	1.06	0.08	2	0.9	18.0	0.09	0.23	0.2	0.58	0.34	0.5	329	0.4
200303030451		112.5	0.006	0.70	0.09	1	0.6	57.3	0.08	0.20	<0.2	0.50	0.77	0.5	337	0.6
200303030452		59.5	0.008	1.02	0.07	2	0.6	34.9	0.07	0.27	<0.2	0.56	0.45	0.5	318	0.4

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303030453		38.4	0.004	0.54	0.07	<1	0.6	23.9	0.06	0.19	<0.2	0.48	0.22	0.4	281	0.4
200303030454		48.8	0.003	0.25	0.05	<1	1.0	45.6	0.10	0.06	0.2	0.59	0.28	0.5	350	0.7
200303030455		5.5	<0.002	0.04	0.06	<1	0.3	1.7	<0.05	<0.05	<0.2	0.01	0.05	<0.1	22	0.4
200303030456		96.0	0.003	0.04	<0.05	<1	0.6	35.4	0.14	<0.05	0.2	0.84	0.40	0.4	360	0.6
200303030457		45.0	0.016	<0.01	<0.05	<1	1.5	20.0	0.09	<0.05	0.2	0.56	0.18	0.3	306	0.7
200303030458		5.4	0.008	<0.01	0.11	<1	<0.2	3.5	<0.05	<0.05	<0.2	0.05	0.04	<0.1	51	0.6
200303030459		25.4	0.012	<0.01	0.06	<1	<0.2	14.9	<0.05	<0.05	0.2	0.20	0.12	0.2	222	0.4
200303030460		1.6	0.039	0.03	0.05	<1	1.0	3.6	<0.05	<0.05	<0.2	0.12	0.02	0.2	177	0.5
200303030461		1.3	0.053	0.05	0.07	<1	5.5	2.2	<0.05	<0.05	<0.2	0.12	0.03	0.1	191	0.2
200303030462		6.0	0.068	0.59	0.05	<1	9.9	3.5	<0.05	<0.05	<0.2	0.11	0.07	0.1	173	0.4
200303030463		28.8	0.358	0.66	<0.05	<1	21.9	9.3	<0.05	<0.05	<0.2	0.05	0.21	0.1	116	0.2
200303030464		0.6	0.058	0.41	<0.05	<1	21.2	8.8	<0.05	<0.05	<0.2	0.04	0.03	0.1	106	0.2
200303030465		24.8	0.153	0.55	<0.05	<1	15.6	8.0	<0.05	0.05	<0.2	0.07	0.22	0.1	120	0.3
200303030466		1.2	0.031	0.12	0.06	<1	2.5	0.9	<0.05	0.11	<0.2	0.11	0.02	0.3	238	0.3
200303030467		1.4	0.011	0.02	0.05	<1	0.4	0.8	<0.05	<0.05	<0.2	0.10	0.03	0.2	221	0.1
200303030468		119.5	0.002	0.15	0.05	<1	35.3	28.2	<0.05	<0.05	<0.2	0.09	1.18	0.1	192	0.7
200303030469		215	<0.002	0.36	0.07	<1	39.5	8.2	<0.05	<0.05	<0.2	0.07	1.53	0.1	196	0.2
200303030470		335	<0.002	0.23	0.05	<1	40.7	19.7	<0.05	<0.05	<0.2	0.14	2.49	0.2	200	0.6
200303030471		29.5	<0.002	0.36	0.05	<1	16.4	15.8	<0.05	<0.05	<0.2	0.03	0.23	<0.1	77	0.5
200303030472		296	0.002	0.64	0.09	<1	48.9	13.5	<0.05	<0.05	<0.2	0.05	2.04	0.1	202	3.4
200303030473		24.5	<0.002	0.17	0.22	<1	20.6	3.8	<0.05	<0.05	<0.2	0.03	0.21	0.1	67	2.1
200303030474		141.5	<0.002	0.20	0.08	<1	35.0	17.8	<0.05	<0.05	<0.2	0.15	0.90	0.1	254	0.8
200303030475		63.3	<0.002	0.02	0.09	<1	0.2	54.4	<0.05	<0.05	0.2	0.21	0.40	0.2	305	0.7
200303030476		139.5	0.007	0.62	0.08	<1	63.0	20.6	<0.05	0.06	0.3	0.16	1.08	0.4	236	118.5
200303030477		2.9	0.110	0.06	0.05	<1	9.9	11.1	<0.05	<0.05	<0.2	0.02	0.07	<0.1	24	232
200303030478		121.5	0.007	0.41	0.12	<1	122.0	21.4	0.09	<0.05	<0.2	0.19	0.73	0.5	257	56.6
200303030479		141.0	0.004	0.38	0.10	<1	61.7	55.5	<0.05	<0.05	<0.2	0.17	1.02	0.4	286	7.1
200303030480		186.0	0.002	0.15	0.06	<1	26.9	56.2	<0.05	<0.05	<0.2	0.21	1.28	0.2	288	1.2
200303030481		149.5	0.002	0.12	0.07	<1	16.0	26.7	<0.05	<0.05	<0.2	0.19	0.85	0.2	234	1.3
200303030482		17.0	<0.002	0.28	0.07	<1	29.9	16.6	<0.05	<0.05	<0.2	0.10	0.12	0.5	146	1.6
200303030483		4.1	0.010	0.29	0.05	<1	30.8	9.8	<0.05	<0.05	<0.2	0.08	0.07	0.3	143	1.2
200303030484		3.2	0.038	4.19	0.07	3	21.1	10.4	<0.05	0.05	<0.2	0.04	0.11	0.2	142	1.0
200303030485		36.8	0.042	4.75	0.07	4	22.5	2.9	<0.05	0.20	<0.2	0.06	0.43	0.3	159	460
200303030486		22.1	0.002	0.21	0.05	<1	14.8	2.9	<0.05	<0.05	<0.2	0.09	0.20	0.1	81	4.7
200303030487		64.8	0.108	0.33	0.08	<1	20.5	2.7	<0.05	0.19	<0.2	0.07	0.67	0.3	155	3.5
200303030488		204	0.469	0.83	<0.05	1	18.5	1.1	<0.05	0.11	<0.2	0.06	1.66	0.2	93	0.9
200303030489		157.5	1.505	2.61	<0.05	4	19.7	1.3	<0.05	0.21	<0.2	0.06	1.18	0.2	118	1.0
200303030490		181.5	0.100	1.11	<0.05	1	20.4	1.7	<0.05	0.07	<0.2	0.06	1.29	0.2	132	0.9
200303030491		30.0	0.236	1.63	<0.05	<1	6.2	1.7	<0.05	<0.05	<0.2	0.02	0.21	0.3	46	0.6
200303030492		119.5	0.063	1.90	0.06	<1	15.0	14.4	<0.05	<0.05	0.2	0.07	0.76	0.2	97	0.7

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303030493		195.0	0.953	2.64	0.06	1	19.7	7.4	<0.05	0.06	<0.2	0.12	1.24	0.2	107	0.7
200303030494		90.7	0.652	1.81	<0.05	1	18.8	9.3	<0.05	0.05	0.5	0.05	0.52	0.7	76	0.6
200303030495		379	0.019	2.17	<0.05	1	24.6	9.3	0.05	0.05	0.2	0.06	2.05	0.1	106	179.0
200303030496		1.6	0.005	0.11	0.05	<1	3.0	2.4	<0.05	<0.05	<0.2	<0.01	<0.02	<0.1	10	1.8
2[illegible]03030497		10.3	0.035	0.08	<0.05	<1	10.8	6.2	<0.05	<0.05	<0.2	0.02	0.09	<0.1	34	1.8
2[illegible]03030498		1.8	0.002	0.14	<0.05	<1	15.6	8.9	<0.05	<0.05	<0.2	0.02	0.03	<0.1	27	1.4
200303030499		580	0.020	2.41	<0.05	2	25.2	7.4	<0.05	<0.05	<0.2	0.07	3.23	0.3	91	850
200303030500		2.4	0.058	1.15	0.07	<1	26.4	24.5	<0.05	<0.05	<0.2	0.03	0.03	0.1	48	5.8
200303030501		171.5	0.008	1.88	0.32	<1	27.5	23.1	<0.05	<0.05	<0.2	0.05	1.03	0.1	105	11.4
200303030502		148.5	0.042	1.31	<0.05	<1	13.9	7.4	<0.05	<0.05	<0.2	0.06	1.00	0.1	170	2.5
200303030503		225	0.002	0.07	0.08	<1	27.0	2.9	<0.05	<0.05	0.2	0.10	1.73	0.1	262	2.5
200303030504		131.0	<0.002	0.03	<0.05	<1	13.1	1.4	<0.05	<0.05	0.2	0.09	1.02	0.1	223	1.6
200303030505		60.7	0.005	0.56	<0.05	<1	25.0	5.2	<0.05	<0.05	<0.2	0.07	0.45	0.2	178	1.5
200303030506		88.7	0.008	0.40	<0.05	<1	30.8	6.5	<0.05	<0.05	<0.2	0.06	0.57	0.1	207	1.3
200303030507		49.7	<0.002	0.48	<0.05	<1	9.7	6.1	<0.05	<0.05	<0.2	0.01	0.29	<0.1	40	1.6
200303030508		161.0	0.002	0.56	<0.05	<1	42.2	10.8	<0.05	<0.05	<0.2	0.10	0.99	0.2	170	2.3
200303030509		177.5	<0.002	0.60	<0.05	<1	44.0	14.4	<0.05	<0.05	<0.2	0.10	1.08	0.2	173	2.4
200303030510		110.5	<0.002	0.05	<0.05	<1	26.5	16.6	<0.05	<0.05	<0.2	0.12	0.76	0.1	188	1.0
200303030511		58.2	0.032	0.04	<0.05	<1	4.0	1.7	<0.05	0.07	<0.2	0.08	0.41	0.2	255	1.1
200303030512		290	0.146	0.21	<0.05	<1	11.1	1.4	<0.05	0.10	<0.2	0.10	1.78	0.3	289	0.9
200303030513		310	0.067	0.25	<0.05	1	8.5	4.2	<0.05	0.09	<0.2	0.15	1.90	0.3	248	0.9
200303030514		202	0.008	0.42	<0.05	<1	14.2	2.7	<0.05	0.05	<0.2	0.09	1.24	0.2	142	0.7
200303030515/517		393	0.056	0.61	<0.05	<1	20.8	0.9	<0.05	0.07	<0.2	0.12	2.55	0.4	197	4.2
200303030516		234	0.097	3.68	<0.05	4	46.6	1.0	<0.05	0.08	<0.2	0.05	1.40	0.3	140	3.1
2[illegible]03030517																
[illegible]03030518		421	0.065	3.79	<0.05	3	53.9	2.8	0.06	0.07	<0.2	0.31	2.56	0.4	206	3.3
200303030519		126.0	0.037	1.53	<0.05	1	22.0	2.8	<0.05	<0.05	<0.2	0.09	0.86	0.3	126	0.9
200303030520		490	0.011	0.31	<0.05	<1	28.2	1.5	<0.05	<0.05	<0.2	0.09	3.06	0.2	192	0.6
200303030521		690	0.008	0.54	<0.05	<1	22.6	2.1	<0.05	<0.05	<0.2	0.18	4.06	0.4	185	0.7
200303030522		620	0.024	1.18	<0.05	1	20.5	3.1	0.20	<0.05	<0.2	0.12	3.33	0.3	132	2.7
200303030523		5.9	0.008	0.67	<0.05	<1	6.5	3.2	<0.05	<0.05	<0.2	0.01	0.08	0.1	18	0.6
200303030524		470	0.033	2.76	<0.05	3	31.6	2.5	0.13	0.06	<0.2	0.15	2.50	0.4	124	10.6
200303030525		840	0.112	0.83	<0.05	<1	39.7	0.9	<0.05	<0.05	<0.2	0.21	4.92	0.4	155	1.0
200303030526		221	0.017	3.49	<0.05	2	29.0	7.3	0.27	0.35	0.2	0.11	1.30	0.5	87	2.7
200303030527		3.9	0.021	0.13	0.31	1	4.3	2.9	<0.05	0.56	<0.2	0.01	0.18	0.1	12	149.0
200303030528		3.6	0.027	0.23	0.25	3	4.3	2.8	<0.05	0.08	<0.2	0.01	0.16	0.1	13	760
200303030529		730	0.051	1.90	<0.05	3	50.9	12.3	0.24	0.09	<0.2	0.24	4.29	0.4	159	47.3
200303030530		205	0.008	2.76	0.14	3	64.9	28.1	0.24	<0.05	1.2	0.24	1.41	0.4	187	23.8
200303030531		114.5	0.006	5.08	0.09	4	75.1	23.2	<0.05	0.05	0.5	0.22	0.83	0.2	148	5.0
200303030532		840	0.005	2.26	0.05	2	21.6	10.4	<0.05	<0.05	0.4	0.22	5.91	0.3	173	1.9

Comments: REE's may not be totally soluble in MS61 method.

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Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303030533		134.0	0.006	1.13	0.06	2	27.7	16.7	<0.05	<0.05	0.3	0.28	1.08	0.4	132	0.5
200303030534		51.6	0.005	0.22	0.07	2	8.6	7.8	<0.05	<0.05	<0.2	0.17	0.40	0.3	55	1.3
200303030535		365	0.003	0.14	0.06	1	14.6	5.0	<0.05	<0.05	0.3	0.21	2.75	0.2	183	0.6
200303030536		550	0.002	0.02	0.06	2	16.0	2.9	<0.05	<0.05	0.3	0.11	3.76	0.1	202	0.8
2[illegible]03030537		159.5	0.023	0.03	0.08	2	10.7	103.5	<0.05	<0.05	0.2	0.30	1.31	0.3	302	74.8
2[illegible]03030538		418	0.004	0.13	0.11	1	20.2	15.7	0.06	0.11	0.5	0.06	2.46	0.3	135	7.7
200303030539		620	0.004	0.31	0.21	2	24.3	12.0	0.05	0.12	0.5	0.10	3.94	0.5	161	7.8
200303030540		560	0.003	0.14	0.06	1	28.5	8.4	<0.05	<0.05	0.2	0.29	3.59	0.6	219	2.5
200303030541		225	0.015	0.05	0.07	2	23.5	17.6	<0.05	<0.05	0.2	0.10	1.64	0.2	228	23.0
200303030542		202	0.010	0.01	0.69	3	28.4	47.4	0.06	0.09	<0.2	0.07	1.52	0.3	190	120.0
200303030543		309	0.005	<0.01	0.05	1	23.6	2.4	<0.05	<0.05	<0.2	0.10	2.28	0.1	239	1.8
200303030544		9.8	0.003	0.23	<0.05	1	16.7	31.1	<0.05	<0.05	<0.2	0.10	0.10	<0.1	162	0.8
200303030545		4.0	0.003	0.11	0.06	1	26.9	30.3	<0.05	<0.05	<0.2	0.08	0.05	<0.1	132	0.9
200303030546		86.4	0.003	0.41	0.06	2	46.2	27.4	<0.05	<0.05	<0.2	0.12	0.69	0.1	160	0.4
200303030547		255	0.003	0.62	<0.05	2	60.8	23.8	<0.05	<0.05	<0.2	0.10	1.94	0.1	165	0.8
200303030548		75.0	0.007	0.70	<0.05	<1	94.5	47.8	0.31	<0.05	<0.2	0.20	0.73	0.5	260	192.5
200303030549		9.5	0.005	0.87	<0.05	<1	92.8	25.6	<0.05	<0.05	<0.2	0.12	0.37	0.3	197	1300
200303030550		4.8	0.004	0.61	<0.05	<1	96.0	27.1	<0.05	<0.05	0.3	0.12	0.17	0.2	177	1050
200303030551		107.0	0.002	0.72	<0.05	<1	94.9	18.5	0.28	<0.05	0.3	0.19	1.04	0.3	179	216
200303030552		40.9	0.006	0.74	<0.05	<1	80.9	21.6	0.23	<0.05	0.2	0.13	0.36	0.3	193	329
200303030553		66.8	0.002	0.41	<0.05	<1	80.6	22.7	0.13	<0.05	<0.2	0.11	0.79	0.1	198	151.5
200303030554		243	<0.002	0.16	<0.05	<1	36.7	25.1	<0.05	<0.05	<0.2	0.16	2.04	0.2	216	6.0
200303030555		69.3	0.004	0.06	<0.05	1	1.8	74.2	<0.05	<0.05	0.2	0.18	0.58	0.1	265	3.3
200303030556		34.0	0.003	0.06	<0.05	2	45.8	29.4	<0.05	<0.05	<0.2	0.10	0.24	0.1	145	2.8
2[illegible]303030557		1.4	0.003	0.14	<0.05	2	35.9	35.7	<0.05	<0.05	<0.2	0.07	0.02	<0.1	126	1.8
[illegible]03030558		313	0.003	0.06	<0.05	1	8.9	48.9	<0.05	<0.05	<0.2	0.19	2.19	0.1	221	3.9
200303030559		178.5	0.019	4.18	0.05	7	21.1	5.5	<0.05	0.08	<0.2	0.07	1.48	0.2	157	4.1
200303030560		348	0.004	0.70	0.06	2	37.5	5.4	<0.05	<0.05	<0.2	0.08	2.19	0.1	180	1.5
200303030561		1130	0.006	1.68	0.06	2	31.0	5.2	<0.05	<0.05	<0.2	0.10	6.66	0.1	248	2.2
200303030562		51.1	0.006	2.16	0.05	2	43.9	26.6	<0.05	<0.05	<0.2	0.08	0.49	0.1	133	28.3

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030413		6.3	62	1.7	90
200303030414		0.5	4	<0.5	70
200303030415		6.5	66	1.2	200
200303030416		5.1	86	1.4	320
2[illegible]03030417		7.4	78	2.1	280
2[illegible]03030418		6.0	91	1.6	1310
200303030419		3.7	65	2.0	2430
200303030420		5.2	83	2.1	2700
200303030421		0.7	7	1.3	100
200303030422		8.5	94	5.1	350
200303030423		5.6	88	3.9	360
200303030424		8.7	95	6.0	570
200303030425		13.1	112	5.2	260
200303030426		12.1	78	3.7	170
200303030427		5.8	184	2.3	730
200303030428		3.5	158	2.3	3740
200303030429		4.0	186	1.6	1320
200303030430		7.1	160	3.5	360
200303030431		4.3	94	1.5	920
200303030432		5.8	78	1.6	3940
200303030433		4.8	74	1.5	2940
200303030434		4.5	90	1.9	7290
200303030435		0.2	4	0.6	240
200303030436		3.2	108	1.4	7250
2[illegible]303030437		4.5	75	1.8	5150
[illegible]03030438		4.9	75	1.7	5120
200303030439		9.7	38	3.2	980
200303030440		5.4	66	2.1	230
200303030441		9.6	43	3.3	130
200303030442		5.6	49	2.6	130
200303030443		5.7	60	2.3	470
200303030444		4.3	58	1.9	2800
200303030445		3.5	62	1.9	4190
200303030446		3.8	57	1.9	1060
200303030447		4.2	68	1.5	3590
200303030448		3.5	75	1.6	1690
200303030449		4.7	63	2.4	180
200303030450		13.4	38	7.1	100
200303030451		14.6	25	4.0	70
200303030452		13.8	32	5.1	60

Comments: REE's may not be totally soluble in MS61 method.

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030453		12.5	31	3.9	60
200303030454		20.4	40	3.6	80
200303030455		0.6	4	1.1	20
200303030456		25.3	43	2.8	70
200303030457		18.0	41	3.7	60
200303030458		1.5	12	1.8	30
200303030459		7.8	47	3.1	40
200303030460		4.5	26	2.3	60
200303030461		5.1	22	2.4	170
200303030462		5.0	33	3.4	470
200303030463		5.8	47	3.4	1520
200303030464		4.7	47	3.2	1200
200303030465		3.8	31	3.2	1000
200303030466		8.1	29	2.5	110
200303030467		6.0	34	2.3	40
200303030468		5.2	65	1.8	2140
200303030469		3.9	94	2.2	4730
200303030470		7.5	83	2.3	4080
200303030471		2.1	38	1.3	3210
200303030472		3.6	93	2.7	5350
200303030473		2.2	31	1.5	2240
200303030474		8.4	82	2.8	2380
200303030475		9.6	65	5.6	80
200303030476		11.6	159	2.5	2970
200303030477		1.1	21	0.8	1220
200303030478		12.6	164	3.6	4390
200303030479		9.8	181	4.4	3120
200303030480		9.5	228	3.5	1540
200303030481		8.9	257	2.9	670
200303030482		9.0	248	2.2	1150
200303030483		5.9	283	3.1	1340
200303030484		3.2	156	2.5	1180
200303030485		2.3	92	2.4	650
200303030486		1.8	69	1.1	970
200303030487		5.1	98	1.7	860
200303030488		3.3	39	2.1	680
200303030489		5.7	63	2.7	1630
200303030490		6.2	66	3.1	2090
200303030491		3.6	41	1.3	1510
200303030492		3.7	63	3.3	2990

Comments: REE's may not be totally soluble in MS61 method.

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RUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030493		5.6	101	2.5	4040
200303030494		3.8	57	3.1	1820
200303030495		3.0	77	2.8	5700
200303030496		0.2	6	0.5	430
20[illegible]3030497		0.5	15	1.2	740
2[illegible]3030498		0.8	13	0.7	1280
200303030499		3.3	100	4.5	7720
200303030500		1.9	55	3.2	3620
200303030501		3.5	74	2.4	4790
200303030502		2.8	114	2.4	2280
200303030503		3.6	96	2.9	1110
200303030504		3.3	81	3.0	150
200303030505		5.5	79	2.0	2180
200303030506		3.8	75	2.0	4120
200303030507		1.2	23	1.0	2030
200303030508		7.0	65	2.5	4680
200303030509		6.3	68	2.4	5200
200303030510		5.7	48	2.3	1020
200303030511		4.9	39	4.5	210
200303030512		7.8	29	3.6	650
200303030513		8.0	29	3.6	360
200303030514		5.6	40	2.4	1050
200303030515/517		5.1	31	2.3	790
200303030516		4.7	39	2.0	2350
20[illegible]303030517					
[illegible]3030518		18.6	59	4.7	4020
200303030519		11.8	64	2.2	2830
200303030520		10.4	41	2.7	2390
200303030521		5.8	39	3.5	1920
200303030522		6.8	88	3.4	5790
200303030523		2.1	44	<0.5	1230
200303030524		6.2	67	3.1	3880
200303030525		4.8	32	2.1	4570
200303030526		10.4	68	1.9	3930
200303030527		5.9	24	<0.5	980
200303030528		11.8	20	<0.5	620
200303030529		14.8	90	1.0	4870
200303030530		13.8	55	3.8	3440
200303030531		10.9	50	3.4	3400
200303030532		4.9	90	2.0	3930

Comments: REE's may not be totally soluble in MS61 method.

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To: .UE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 1-Oct-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036632

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030533		8.6	69	3.0	1450
200303030534		5.4	25	1.3	540
200303030535		6.8	61	2.5	590
200303030536		6.2	58	1.4	450
20[illegible]3030537		13.2	30	3.3	460
2[illegible]3030538		9.0	81	1.0	6690
200303030539		10.0	77	1.2	6230
200303030540		10.6	52	1.6	2760
200303030541		5.9	68	1.2	3120
200303030542		3.8	62	1.5	3250
200303030543		3.3	57	1.8	1330
200303030544		4.0	61	1.1	940
200303030545		2.9	51	0.9	2150
200303030546		6.2	82	1.3	3770
200303030547		4.3	102	1.3	6180
200303030548		11.6	123	2.9	4790
200303030549		7.4	104	0.9	4710
200303030550		7.8	107	2.1	4400
200303030551		8.3	114	3.1	5180
200303030552		8.0	136	2.8	5570
200303030553		5.8	113	2.0	5140
200303030554		5.9	90	1.6	2370
200303030555		8.3	60	6.0	140
200303030556		5.6	59	1.1	2590
20[illegible]03030557		3.5	65	0.9	2450
2[illegible]3030558		7.8	66	2.9	300
200303030559		4.5	78	2.0	2110
200303030560		4.6	94	1.4	5490
200303030561		4.4	148	1.7	7480
200303030562		5.6	78	1.6	3630

Comments: REE's may not be totally soluble in MS61 method.

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o: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Sep-2003
Account: THR

CERTIFICATE VA03036633

Project : Regal Ridge

P.O. No:

This report is for 155 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 18-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem
ME-MS61	47 element four acid ICP-MS

200303030563-699 part of Hole 12, all of 13 & 14

2003 0609 0001

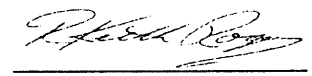
200306080001-5

2003 0008 0001-6

200303080001-6

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

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VANCOUVER BC V6B 1P2

Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030563		1.18	0.26	5.12	0.3	120	26.0	1.18	3.39	0.40	1.01	40.5	313	69.6	803	5.96
200303030564		1.10	0.12	4.91	0.4	150	53.9	1.44	3.82	0.12	1.03	19.6	267	159.0	295	6.16
200303030565		1.06	0.13	6.22	0.4	140	39.0	0.80	4.61	0.20	1.22	35.9	278	69.1	412	6.38
200303030566		0.70	0.02	6.62	<0.2	190	1.62	0.27	4.23	0.11	1.24	38.5	335	26.7	6.2	5.99
2[illegible]3030567		0.96	0.02	6.71	<0.2	170	0.36	0.21	4.55	0.06	1.22	44.4	490	11.85	3.8	6.09
200303030568		1.06	0.03	7.81	<0.2	90	2.31	0.22	3.76	0.13	1.21	35.0	233	83.3	23.0	7.13
200303030569		0.62	0.06	6.53	<0.2	190	11.10	0.39	3.29	0.12	1.06	25.6	321	205	33.3	5.79
200303030570		0.66	0.05	2.82	<0.2	40	60.0	12.70	0.56	0.04	0.86	10.1	213	44.4	73.6	1.55
200303030571		0.68	<0.02	5.64	<0.2	<10	31.2	3.13	1.12	0.02	4.08	17.4	156	48.8	99.1	2.05
200303030572		1.18	0.09	5.25	<0.2	100	54.5	27.4	1.48	0.03	2.28	19.5	232	232	143.0	4.53
200303030573		1.08	0.03	7.10	<0.2	110	9.90	0.43	1.88	0.06	1.24	36.5	254	>500	21.7	7.10
200303030574		1.20	0.09	6.29	<0.2	30	4.09	0.65	1.85	0.12	1.29	38.9	232	91.7	236	8.61
200303030575		0.96	0.38	8.50	<0.2	110	1.21	1.14	0.88	0.13	1.48	130.0	350	44.1	1580	11.50
200303030576		0.96	0.02	7.21	<0.2	10	1.44	0.34	3.15	0.15	0.53	45.5	465	4.18	46.5	8.83
200303030577		0.92	0.22	7.42	<0.2	110	0.62	0.30	1.28	0.16	0.51	40.7	284	54.4	434	9.87
200303030578		0.56	0.10	5.05	<0.2	80	0.18	0.43	0.63	0.05	0.67	26.5	221	17.15	195.0	9.04
200303030579		1.06	0.34	7.43	0.9	120	0.18	1.72	1.64	0.13	0.96	145.5	286	52.3	1235	13.20
200303030580		1.24	0.04	7.71	<0.2	90	0.16	0.21	2.33	0.09	1.28	47.0	258	25.2	106.5	8.63
200303030581		1.02	0.17	8.09	0.4	40	0.25	0.26	1.70	0.09	1.10	41.0	257	23.6	423	9.96
200303030582		0.66	0.22	3.94	<0.2	10	0.20	0.44	1.50	0.08	0.98	19.6	259	5.85	334	6.79
200303030583		0.60	0.05	6.62	<0.2	10	3.57	0.40	3.49	0.22	1.24	51.2	447	100.0	23.3	7.65
200303030584		0.46	0.54	6.83	0.2	150	6.48	0.53	3.04	0.10	0.75	29.3	603	>500	124.5	8.35
200303030585		0.86	0.08	4.00	<0.2	10	7.00	1.09	2.29	0.22	0.70	17.8	284	53.5	291	6.41
200303030586		0.98	0.20	4.46	<0.2	60	12.95	4.77	3.59	0.37	1.02	38.6	267	113.0	552	6.60
2[illegible]3030587		0.92	0.16	2.37	<0.2	10	6.76	2.48	1.69	0.24	0.34	21.4	266	14.10	338	3.48
2[illegible]3030588		0.70	0.09	4.45	<0.2	80	14.50	1.75	3.39	0.19	0.60	35.6	385	279	161.0	5.78
200303030589		0.66	0.19	5.46	<0.2	110	12.70	2.38	3.32	0.16	0.40	30.6	663	>500	122.5	7.45
200303030590		0.86	0.02	6.70	<0.2	10	2.45	0.18	2.08	0.03	0.88	85.2	286	14.05	4.8	10.10
200303030591		0.84	0.27	4.14	<0.2	10	54.0	10.80	1.97	0.05	3.11	81.7	323	329	381	7.46
200303030592		0.82	0.02	6.40	<0.2	<10	3.66	0.49	1.24	0.02	1.04	114.5	296	431	5.6	9.97
200303030593		0.54	0.03	6.59	<0.2	80	7.96	0.65	0.67	0.08	2.01	107.0	354	>500	13.6	10.95
200303030594		0.90	0.07	6.85	<0.2	140	11.75	0.44	0.89	0.11	1.09	116.0	258	>500	75.0	11.90
200303030595		0.94	0.15	4.90	<0.2	20	13.95	0.87	2.57	0.32	0.34	113.5	597	308	299	10.70
200303030596		1.06	0.12	5.52	<0.2	30	15.95	3.53	1.11	0.30	0.91	103.5	467	>500	372	9.70
200303030597		0.60	0.37	2.97	<0.2	10	65.8	206	1.18	0.07	1.08	14.4	204	12.95	258	3.17
200303030598		0.68	0.05	1.13	<0.2	10	4.00	25.2	0.45	0.10	0.65	11.3	162	7.80	95.2	1.23
200303030599		0.76	0.25	4.72	3.0	30	8.07	7.75	0.25	0.08	0.65	123.5	358	369	325	7.44
200303030600		0.50	0.26	4.26	1.6	20	8.06	2.14	0.26	0.12	0.58	157.0	291	441	349	9.86
200303030601		0.82	0.06	5.48	2.6	20	10.35	0.63	0.25	<0.02	0.69	98.8	314	>500	62.1	9.85
200303030602		0.74	0.04	5.85	1.2	10	9.91	0.48	0.77	0.03	0.85	126.5	310	>500	12.9	10.20

Comments: REE's may not be totally soluble in MS61 method.

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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030603		0.98	0.17	4.82	0.8	90	28.5	1.02	3.58	0.17	0.90	25.8	332	300	136.5	6.20
200303030604		0.90	0.26	3.78	0.7	50	25.7	1.10	4.84	0.38	0.91	63.3	292	41.9	511	6.57
200303030605		0.86	0.10	5.11	0.7	30	33.5	1.08	3.71	0.13	0.89	32.1	330	29.2	166.5	4.99
200303030606		1.22	0.04	5.86	0.5	20	5.66	0.78	5.16	0.18	1.47	35.8	292	20.2	51.3	5.62
2[illegible]03030607		1.14	0.06	4.98	1.1	30	8.42	1.10	4.34	0.18	1.20	44.2	433	45.9	111.0	6.96
2[illegible]03030608		0.82	0.17	4.27	1.4	10	11.25	2.50	3.16	0.16	1.33	68.2	303	95.9	446	7.62
200303030609		1.02	0.17	4.63	0.8	20	40.6	2.08	4.39	0.27	1.59	50.0	290	59.0	474	7.56
200303030610		1.14	0.14	4.11	0.9	20	22.1	1.26	4.64	0.17	1.13	37.9	330	29.1	263	5.93
200303030611		0.82	0.03	2.14	0.6	10	30.8	0.75	1.97	0.05	0.78	12.9	299	6.29	33.6	2.42
200303030612		0.60	<0.02	0.28	1.1	<10	0.50	0.02	0.09	<0.02	0.04	1.4	168	0.79	4.2	0.35
200303030613		0.70	0.10	4.26	0.9	10	32.8	1.14	3.58	0.12	1.74	28.3	297	17.10	201	4.52
200303030614		1.22	0.06	4.34	1.3	<10	16.30	0.51	2.94	0.10	1.27	23.8	238	4.59	85.7	3.86
200303030615		0.86	0.03	6.23	0.5	40	4.02	0.47	5.40	0.14	1.31	29.6	225	82.1	15.7	5.17
200303030616		0.72	0.17	5.06	0.9	40	10.75	2.26	4.31	0.19	1.18	51.4	348	147.5	238	7.41
200303030617		0.44	0.17	3.98	0.4	30	6.56	1.76	3.59	0.28	1.04	30.5	620	163.5	239	7.62
200303030618		0.54	0.09	2.21	0.9	<10	1.59	0.30	0.84	0.02	0.39	13.2	248	1.70	160.0	2.18
200303030619		0.84	0.07	5.28	3.7	20	4.35	0.57	3.86	0.19	1.01	51.8	754	72.8	46.8	8.07
200303030620		0.64	0.04	6.15	2.4	40	0.73	0.33	3.95	0.09	1.32	46.7	441	35.8	7.5	6.36
200303030621		0.70	0.02	6.04	1.2	20	0.31	0.22	4.24	0.08	1.11	45.3	486	61.5	7.1	6.17
200303030622		0.70	0.03	7.76	1.1	30	0.55	0.47	7.04	0.15	1.78	37.7	203	34.4	19.2	6.78
200303030623		0.34	0.04	5.29	1.4	10	0.35	0.28	4.87	0.09	1.19	26.3	174	75.1	16.2	4.03
200303030624		0.50	0.02	4.10	1.2	40	0.33	0.21	3.28	0.07	0.57	13.4	171	42.5	16.3	2.79
200303030625		0.76	0.06	6.73	0.9	130	0.64	0.24	4.68	0.08	1.61	34.5	255	38.0	60.2	5.65
200303030626		0.72	0.07	5.48	1.3	90	5.48	0.70	3.74	0.19	1.08	46.1	553	98.1	110.5	6.87
2[illegible]03030627		0.40	0.13	5.39	0.9	250	11.15	0.68	4.75	0.13	2.00	30.6	192	85.4	123.0	5.54
2[illegible]03030629		0.62	0.37	4.23	1.1	210	52.5	0.92	3.84	0.12	0.95	28.6	400	137.5	70.5	4.51
200303030630		0.84	0.16	5.38	0.8	530	13.30	0.87	3.59	0.14	0.85	51.4	688	461	108.5	6.81
200303030631		0.68	0.05	5.47	0.6	190	13.45	0.51	4.84	0.19	1.42	31.8	253	97.4	19.3	5.70
200303030632		0.84	<0.02	7.17	0.9	90	0.49	0.14	3.23	0.07	1.96	36.7	229	37.6	2.0	6.32
200303030633		0.42	0.03	6.97	1.3	50	2.27	0.18	4.29	0.07	1.91	38.6	201	126.5	3.6	6.46
200303030634		0.72	0.02	6.93	0.7	110	2.60	0.19	4.21	0.09	1.82	35.7	207	118.0	2.2	5.95
200303030635		0.56	0.03	7.02	0.7	240	6.48	0.27	4.51	0.12	1.81	34.0	211	222	14.4	6.14
200303030636		0.24	0.05	2.67	1.5	70	5.25	4.96	0.32	<0.02	0.97	11.4	200	51.1	61.1	1.73
200303030637		0.22	<0.02	1.10	0.7	10	7.00	22.1	0.37	<0.02	0.13	3.8	137	5.33	9.9	0.68
200303030638		0.24	<0.02	1.08	0.5	10	5.14	29.2	0.56	<0.02	0.17	3.1	148	13.75	13.2	0.65
200303030639		0.76	0.02	7.43	0.9	240	8.27	0.48	4.46	0.08	1.66	33.3	200	256	16.6	5.40
200303030640		0.80	0.28	7.24	<0.2	60	6.89	1.50	4.52	0.25	1.43	54.4	297	149.0	290	5.80
200303030641		0.88	0.20	4.53	<0.2	40	21.8	1.46	3.26	0.15	0.82	50.5	456	105.0	217	5.08
200303030642		0.22	0.13	5.06	<0.2	20	31.9	1.70	4.98	0.12	1.46	42.9	280	52.5	200	6.54
200303030643		0.42	0.19	5.14	0.2	90	24.7	5.41	5.41	0.25	2.18	60.2	414	265	203	7.44

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030644		0.94	0.28	2.50	0.6	<10	29.6	20.6	4.93	<0.02	1.56	16.3	376	6.22	158.0	5.36
200303030645		0.72	0.17	4.30	<0.2	10	13.80	1.32	5.09	0.28	1.27	43.3	460	31.5	196.0	5.70
200303030646		0.86	0.16	6.31	<0.2	50	8.52	0.99	4.94	0.24	1.63	40.8	294	136.0	167.0	5.73
200303030647		0.46	0.06	6.56	<0.2	110	1.67	0.42	6.90	0.18	1.56	40.8	219	54.4	90.6	6.53
2[illegible]3030648		0.50	0.08	6.04	2.2	10	4.63	0.49	8.11	0.16	1.29	36.5	144	239	196.0	4.55
2[illegible]3030649		0.76	0.07	6.94	<0.2	70	0.81	0.38	5.09	0.12	1.41	36.6	239	41.2	143.0	6.05
200303030650		0.80	0.31	7.97	<0.2	60	0.31	0.30	4.29	0.10	1.78	43.6	270	51.4	410	6.27
200303030651		0.56	0.04	6.23	<0.2	100	0.77	0.28	4.71	0.09	1.02	50.3	508	219	89.0	6.61
200303030652		0.70	0.18	6.22	<0.2	170	11.05	0.46	4.88	0.12	1.26	32.0	216	82.4	163.0	5.46
200303030653		0.90	0.17	4.18	<0.2	160	14.70	2.78	4.45	0.21	0.91	27.6	578	250	150.0	6.41
200303030654		0.92	0.08	6.00	<0.2	160	9.90	1.62	4.22	0.16	0.60	51.6	878	311	92.6	8.13
200303030655		0.86	0.16	4.95	<0.2	90	14.90	3.60	4.59	0.29	0.66	48.4	606	115.0	324	6.43
200303030656		0.72	0.08	5.33	<0.2	60	12.65	1.78	4.98	0.21	1.31	77.9	550	130.0	64.6	6.53
200303030657		0.68	0.05	8.21	0.6	50	27.2	0.87	6.93	0.20	2.25	37.0	180	27.5	42.6	6.30
200303030658		1.00	0.05	7.22	3.3	80	17.55	0.95	6.54	0.24	2.33	35.0	168	31.6	40.6	6.28
200303030659		0.66	0.05	4.86	0.8	30	8.28	0.66	3.63	0.17	2.46	32.6	151	13.70	61.0	4.78
200303030660		0.30	0.07	6.96	0.7	60	4.10	0.52	4.17	0.16	2.22	37.5	176	195.0	18.1	6.19
200303030661		0.28	0.07	5.85	2.1	90	3.41	0.37	4.03	0.15	2.10	53.0	317	95.8	27.8	6.31
200303030662		0.52	0.05	3.87	<0.2	30	4.68	0.30	3.37	0.20	1.15	32.4	368	21.9	65.0	6.16
200303030663		0.88	<0.02	6.72	0.5	170	2.22	0.23	4.26	0.17	1.38	39.6	268	39.9	11.6	6.21
200303030664		0.82	0.02	5.65	<0.2	150	0.72	0.38	4.12	0.12	1.46	37.0	252	48.7	8.7	5.62
200303030665		0.74	0.47	5.21	<0.2	70	1.19	0.72	4.14	0.14	1.10	28.1	461	37.3	83.0	8.55
200303030666		0.60	0.04	7.36	<0.2	50	0.20	0.13	4.78	0.03	2.12	35.7	162	35.4	11.2	5.89
200303030667		0.52	0.15	6.65	<0.2	60	0.06	0.14	1.00	<0.02	1.66	74.2	226	21.0	127.0	10.65
2[illegible]03030668		0.90	0.04	7.53	<0.2	80	0.10	0.12	1.98	<0.02	2.52	78.4	227	30.5	47.3	10.15
2[illegible]3030669		0.90	0.09	6.80	<0.2	80	0.07	0.18	1.30	<0.02	1.82	76.7	216	28.6	104.5	10.45
200303030670		0.96	0.08	7.91	<0.2	140	0.06	0.28	2.90	0.02	2.70	88.4	124	39.8	109.5	9.97
200303030671		0.80	0.05	8.47	<0.2	90	0.21	0.22	1.98	0.04	2.60	87.8	254	26.0	65.0	11.35
200303030672		0.84	0.08	7.74	1.8	60	0.36	0.63	3.72	0.06	2.67	63.1	202	27.5	60.4	9.80
200303030673		0.86	0.04	5.36	0.4	60	1.51	0.62	1.38	0.03	1.73	62.4	176	38.0	60.9	8.11
200303030674		0.90	0.07	6.37	0.5	90	1.80	0.64	3.30	0.05	2.96	63.1	192	132.0	87.5	8.09
200303030675		0.80	0.03	8.09	0.8	30	0.08	0.51	5.46	0.08	2.72	39.1	184	25.2	4.4	6.99
200303030676		0.64	0.03	7.08	0.8	50	0.09	0.20	3.99	0.04	1.69	52.2	193	23.9	3.0	7.84
200303030677		0.80	0.03	7.27	1.1	60	0.13	0.27	3.69	0.06	2.68	56.5	178	27.3	3.7	7.91
200303030678		0.60	0.07	8.25	<0.2	130	0.07	0.17	2.37	0.03	2.70	93.4	210	35.6	73.6	10.35
200303030679		0.74	0.14	7.66	0.8	150	0.11	0.34	1.72	0.02	1.87	122.0	194	38.6	174.0	10.90
200303030680		0.92	0.03	6.87	0.3	70	0.17	0.12	3.31	0.03	2.92	55.3	178	25.0	5.1	7.32
200303030681		0.96	0.04	6.53	<0.2	70	6.85	0.53	3.88	0.11	1.48	46.9	244	228	40.4	6.28
200303030682		0.66	0.17	4.28	<0.2	160	19.45	2.26	2.96	0.24	0.87	39.4	573	332	398	8.02
200303030683		1.00	0.11	4.73	0.4	20	20.1	1.50	3.42	0.15	0.63	49.8	426	21.7	250	5.02

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Sep-2003
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CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
200303030684		0.52	0.04	3.79	0.6	10	8.93	1.82	1.02	<0.02	0.28	19.4	276	8.55	53.3	2.24
200303030685		0.78	0.16	3.89	<0.2	300	15.10	2.60	3.33	0.27	0.40	30.7	752	259	353	6.11
200303030686		0.50	<0.02	2.19	<0.2	<10	5.55	0.23	0.30	<0.02	0.18	5.6	239	1.96	33.4	1.34
200303030687		0.70	0.12	4.84	0.5	630	23.1	2.62	3.36	0.12	0.73	56.3	698	479	292	7.69
2[illegible]3030688		0.68	0.02	1.25	<0.2	10	4.22	0.27	0.52	<0.02	0.13	6.1	242	9.32	42.0	1.14
200303030689		0.98	0.12	3.50	0.3	40	21.3	6.30	3.20	0.12	0.87	18.8	420	13.40	126.0	4.61
200303030690		1.20	0.16	3.89	<0.2	170	21.8	4.04	4.76	0.22	0.71	50.9	579	111.5	309	6.30
200303030691		0.78	0.12	3.65	<0.2	50	48.1	10.20	5.38	0.13	0.85	34.3	530	37.9	322	6.98
200303030692		0.56	0.07	3.98	<0.2	10	38.6	5.44	4.65	0.06	0.94	21.1	320	17.75	81.6	5.85
200303030693		0.66	0.12	4.35	0.2	30	29.2	2.94	2.91	<0.02	1.71	19.1	224	36.9	160.0	5.77
200303030694		1.00	0.16	3.82	2.7	50	33.2	6.35	2.74	0.12	1.42	28.6	200	62.7	618	4.73
200303030695		0.70	0.16	3.41	0.2	60	25.9	4.49	4.44	0.31	1.25	35.5	278	145.0	424	6.28
200303030696		1.06	0.03	6.82	0.5	60	7.14	0.97	5.07	0.22	2.77	47.6	184	148.5	27.8	6.43
200303030697		0.80	0.08	4.78	0.8	120	10.55	1.48	4.17	0.25	2.15	49.6	244	136.0	122.0	6.38
200303030698		0.80	0.06	3.56	0.7	20	15.00	2.37	4.35	0.24	1.41	40.3	350	17.25	71.2	5.50
200303030699		0.66	0.06	4.82	0.8	120	19.95	1.56	4.99	0.30	1.86	39.5	271	51.6	57.0	6.87
200306090001		0.08	0.09	7.46	1.8	100	903	31.3	3.96	<0.02	7.43	21.2	161	93.7	78.8	2.53
200306080001		1.40	0.08	6.14	<0.2	40	17.85	0.69	6.25	0.25	1.47	39.7	212	19.70	67.8	5.67
200306080002		1.02	0.08	6.33	0.5	50	17.70	0.93	6.20	0.16	1.75	35.4	239	23.3	68.9	5.83
200306080003		1.16	0.02	1.38	0.9	20	16.65	0.49	0.62	<0.02	0.15	5.5	133	13.35	29.3	0.81
200306080004		0.34	0.07	4.12	<0.2	10	12.10	1.93	4.07	0.16	1.20	30.9	194	13.70	102.5	4.58
200306080005		0.56	0.07	5.83	<0.2	20	11.50	1.36	4.62	0.13	1.25	36.5	227	24.0	102.0	5.36
200300080001		0.80	0.07	7.28	0.8	260	21.7	0.94	5.20	0.20	1.40	28.2	47	118.0	56.9	4.46
200300080002		1.60	0.11	4.53	1.0	290	17.70	1.91	4.53	0.20	1.44	49.5	484	155.0	106.5	6.62
2[illegible]00080003		0.94	0.02	1.48	0.9	30	189.0	0.43	0.45	0.06	0.32	5.2	70	17.80	20.9	0.64
2[illegible]00080004		1.28	0.04	1.46	0.5	40	333	1.68	0.91	0.04	0.23	9.0	116	16.70	48.7	1.28
200300080005		0.74	0.11	3.92	3.9	450	12.70	2.08	4.79	0.31	0.90	31.7	766	198.5	91.7	6.38
200300080006		0.72	0.06	3.80	4.9	90	9.38	1.94	4.83	0.24	1.22	50.2	566	52.6	89.4	5.41
200303080001		1.06	0.22	6.03	1.0	160	8.63	1.18	5.44	0.39	1.10	50.6	337	81.1	269	5.57
200303080002		1.04	0.16	5.01	0.2	290	21.1	2.18	4.31	0.22	0.98	25.1	382	139.0	150.5	5.55
200303080003		1.58	0.06	3.59	0.3	80	98.7	0.68	1.16	0.05	0.49	14.4	118	29.8	107.0	1.64
200303080004		0.72	0.16	4.24	1.3	110	43.6	3.52	2.42	0.16	1.44	38.4	333	57.4	266	4.40
200303080005		0.74	0.22	4.47	0.9	540	30.1	2.30	4.26	0.17	0.72	25.9	573	114.5	243	6.35
200303080006		0.54	0.05	5.84	<0.2	220	16.25	0.45	4.83	0.19	1.28	44.2	333	86.3	50.1	5.33

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CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030563		12.75	0.16	0.2	0.082	0.47	0.5	77.0	5.54	1145	0.34	0.43	0.7	160.5	110	2.3
200303030564		12.55	0.17	0.2	0.086	1.26	<0.5	134.0	6.45	1275	0.60	0.42	1.6	64.8	90	1.4
200303030565		11.10	0.16	0.2	0.060	0.74	0.5	97.2	6.68	1390	0.12	0.69	0.4	131.0	100	1.5
200303030566		9.81	0.15	0.2	0.044	0.77	0.6	98.0	7.79	1335	<0.05	0.73	0.5	207	70	0.6
2[illegible]03030567		9.05	0.16	0.2	0.029	0.61	0.6	93.5	8.77	1390	<0.05	0.82	0.5	344	40	0.7
2[illegible]03030568		13.05	0.17	0.2	0.069	0.96	0.6	106.0	7.09	1435	<0.05	0.80	0.5	86.8	90	0.8
200303030569		12.50	0.17	0.2	0.059	2.25	0.5	150.5	4.96	1205	2.33	0.61	1.1	77.1	90	1.1
200303030570		12.55	0.09	0.1	0.007	0.40	<0.5	50.4	1.11	273	5.79	0.16	1.2	23.8	610	0.5
200303030571		31.2	0.09	<0.1	0.009	0.07	1.5	63.7	1.26	333	1.11	0.38	0.2	74.0	910	1.2
200303030572		19.50	0.14	0.2	0.090	1.58	1.1	171.0	3.77	790	4.62	0.35	0.6	55.9	500	1.4
200303030573		12.95	0.19	0.1	0.143	3.29	0.6	314	6.05	1145	0.23	0.41	0.4	78.8	120	1.0
200303030574		10.80	0.20	0.2	0.097	0.39	0.6	157.5	7.76	1575	0.35	0.15	0.6	88.8	110	<0.5
200303030575		13.50	0.23	0.2	0.054	0.38	0.7	139.5	8.62	1310	0.28	0.07	0.6	112.5	140	<0.5
200303030576		11.55	0.20	0.1	0.070	0.06	<0.5	102.0	9.68	1875	<0.05	0.16	0.3	259	60	<0.5
200303030577		11.80	0.20	0.2	0.088	0.45	<0.5	127.0	7.98	1625	<0.05	0.17	0.5	112.0	80	<0.5
200303030578		8.69	0.18	0.1	0.033	0.22	<0.5	86.2	5.72	1295	0.71	0.06	0.4	36.7	50	<0.5
200303030579		11.95	0.31	0.2	0.053	0.37	<0.5	123.5	7.34	1760	1.89	0.14	0.6	109.0	70	0.5
200303030580		13.50	0.19	0.2	0.076	0.46	0.5	99.9	6.78	1475	<0.05	0.45	0.4	85.0	90	0.5
200303030581		12.35	0.23	0.2	0.063	0.26	0.5	115.5	8.17	1425	0.09	0.21	0.5	79.1	120	<0.5
200303030582		6.36	0.15	0.1	0.049	0.04	0.5	46.6	4.97	1555	0.54	0.17	0.3	73.3	50	<0.5
200303030583		9.49	0.18	0.1	0.048	0.48	0.6	159.0	8.45	1525	<0.05	0.16	0.3	249	60	<0.5
200303030584		11.35	0.22	0.1	0.048	3.91	<0.5	332	9.70	1315	0.21	0.21	0.4	177.0	40	0.7
200303030585		7.66	0.16	0.1	0.048	0.34	<0.5	41.9	5.53	1575	0.61	0.34	0.3	57.3	80	1.5
200303030586		9.98	0.17	0.2	0.070	0.89	<0.5	109.5	6.53	1500	1.04	0.37	0.6	90.6	80	1.8
2[illegible]03030587		5.34	0.10	0.1	0.038	0.12	<0.5	30.4	2.78	624	0.57	0.21	0.4	71.2	70	0.5
2[illegible]03030588		8.33	0.16	0.1	0.053	1.72	<0.5	174.5	6.96	1240	0.10	0.34	0.4	186.5	40	0.9
200303030589		10.65	0.23	0.1	0.040	3.21	<0.5	268	9.45	1460	<0.05	0.26	0.4	176.0	90	0.5
200303030590		13.15	0.22	0.1	0.020	0.02	<0.5	113.5	6.00	530	<0.05	0.01	0.4	160.0	60	<0.5
200303030591		15.40	0.18	0.1	0.016	1.73	1.3	189.5	3.61	414	4.03	0.16	2.0	108.0	2140	1.4
200303030592		16.05	0.22	0.1	0.021	1.60	0.5	201	5.17	327	0.09	0.05	0.5	115.0	150	<0.5
200303030593		17.60	0.26	0.2	0.019	3.81	1.0	353	5.85	434	<0.05	0.16	0.6	183.0	100	1.3
200303030594		18.85	0.28	0.1	0.024	3.29	0.6	438	6.16	479	0.12	0.10	0.5	151.5	50	0.9
200303030595		13.75	0.25	0.2	0.031	1.30	<0.5	140.0	5.05	634	5.17	0.28	0.7	225	10	<0.5
200303030596		15.10	0.25	0.1	0.033	2.76	<0.5	285	5.29	510	14.95	0.14	0.8	296	40	0.8
200303030597		15.35	0.10	0.1	0.011	0.09	0.5	45.8	1.22	325	9.86	0.19	0.7	38.9	180	1.2
200303030598		6.86	0.05	<0.1	<0.005	0.03	<0.5	23.8	0.44	135	16.50	0.07	0.2	23.4	370	<0.5
200303030599		16.15	0.25	0.1	0.020	2.10	<0.5	245	4.65	321	2.51	0.17	1.4	111.0	90	3.6
200303030600		13.25	0.28	<0.1	0.023	2.06	<0.5	234	4.23	238	1.18	0.11	0.7	101.5	70	2.7
200303030601		15.75	0.28	0.1	0.015	2.38	<0.5	337	5.07	304	1.08	0.06	0.6	143.0	50	1.7
200303030602		17.20	0.29	0.1	0.014	2.10	<0.5	323	5.59	370	1.62	0.04	0.6	160.5	100	2.1

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Sep-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030603		10.20	0.23	0.1	0.054	1.63	<0.5	219	7.15	1230	0.40	0.46	0.5	77.9	60	2.0
200303030604		11.90	0.20	0.2	0.081	0.42	<0.5	88.3	7.07	1545	1.34	0.46	0.6	213	10	2.5
200303030605		13.80	0.18	0.2	0.062	0.32	<0.5	81.5	5.26	1185	0.46	0.51	1.5	94.1	80	1.9
200303030606		10.75	0.17	0.2	0.037	0.26	0.5	52.8	5.74	1080	0.34	0.68	0.4	123.5	90	1.9
200303030607		8.32	0.19	0.2	0.030	0.41	<0.5	91.4	7.01	1355	0.29	0.49	0.4	208	50	1.6
200303030608		7.48	0.23	0.2	0.029	0.48	<0.5	72.2	6.36	1305	0.68	0.36	0.5	126.5	80	1.7
200303030609		10.15	0.21	0.2	0.047	0.43	0.6	69.0	5.91	1245	0.42	0.53	0.8	102.0	60	1.5
200303030610		9.94	0.16	0.2	0.044	0.27	<0.5	63.5	6.06	1305	0.55	0.48	1.5	126.0	30	1.5
200303030611		5.08	0.08	0.1	0.023	0.10	<0.5	28.1	2.34	532	0.91	0.24	0.4	41.7	310	0.7
200303030612		0.76	0.05	<0.1	<0.005	<0.01	<0.5	5.7	0.11	25	1.22	0.02	0.1	6.8	<10	<0.5
200303030613		9.56	0.15	0.2	0.035	0.15	0.6	59.3	4.49	904	0.96	0.39	0.9	81.2	100	1.4
200303030614		7.95	0.13	0.1	0.032	0.08	0.5	37.4	3.90	743	0.46	0.44	0.4	59.8	120	1.5
200303030615		9.77	0.13	0.2	0.036	0.57	<0.5	61.2	5.87	1060	0.39	1.25	0.3	76.7	80	2.5
200303030616		9.74	0.20	0.2	0.045	0.84	<0.5	78.0	7.16	1210	0.35	0.47	0.5	157.0	80	2.0
200303030617		8.02	0.22	0.1	0.035	0.89	<0.5	75.5	7.86	1305	0.54	0.32	0.4	102.5	20	1.6
200303030618		4.23	0.09	<0.1	0.006	0.01	<0.5	17.4	1.24	262	0.69	0.18	0.1	55.5	70	1.1
200303030619		8.77	0.21	0.1	0.031	0.40	<0.5	105.5	9.76	1385	0.31	0.17	0.4	304	20	0.8
200303030620		9.39	0.18	0.2	0.040	0.32	0.5	92.9	7.80	1165	0.22	0.52	0.4	211	60	1.1
200303030621		8.96	0.16	0.2	0.034	0.24	<0.5	95.4	8.19	1165	0.20	0.52	0.4	260	50	1.1
200303030622		12.80	0.17	0.3	0.044	0.37	0.6	47.1	6.56	1370	0.35	1.20	0.4	83.8	70	1.7
200303030623		8.34	0.12	0.2	0.023	0.10	<0.5	40.9	4.38	848	0.62	0.74	0.2	55.0	30	1.2
200303030624		6.02	0.09	0.1	0.018	0.47	<0.5	22.8	2.27	568	0.44	0.85	0.1	28.3	200	1.2
200303030625		9.25	0.17	0.2	0.036	0.56	0.6	63.4	6.26	1165	0.40	1.16	0.3	125.0	100	1.8
200303030626		9.20	0.19	0.2	0.044	0.55	<0.5	139.0	8.72	1330	10.05	0.27	0.8	259	50	1.0
200303030627		10.10	0.16	0.2	0.040	1.29	0.7	117.0	5.37	1075	0.51	0.33	0.7	69.6	60	2.1
200303030629		10.40	0.14	0.1	0.033	0.96	<0.5	139.5	6.21	1035	4.79	0.27	2.6	153.5	120	1.2
200303030630		10.10	0.21	0.2	0.044	3.04	<0.5	235	9.74	1330	0.40	0.35	1.6	331	10	1.3
200303030631		9.52	0.17	0.2	0.050	0.96	0.5	79.9	6.83	1395	3.09	0.63	0.6	99.3	80	1.4
200303030632		11.30	0.18	0.2	0.049	0.65	0.7	92.8	7.54	1385	0.11	1.29	0.3	79.2	80	1.4
200303030633		11.50	0.16	0.2	0.042	0.37	0.7	134.0	7.61	1375	0.25	0.72	0.4	93.2	70	1.8
200303030634		10.35	0.17	0.2	0.042	0.90	0.7	106.5	7.13	1455	0.17	1.14	0.4	79.9	80	2.0
200303030635		11.10	0.19	0.2	0.045	1.88	0.7	134.0	7.31	1605	0.28	1.04	0.5	78.1	70	2.1
200303030636		13.60	0.09	0.1	0.008	0.42	<0.5	87.7	1.52	261	1.10	0.17	0.9	23.5	20	1.6
200303030637		5.54	0.05	<0.1	<0.005	0.03	<0.5	23.3	0.43	114	1.83	0.08	0.2	9.5	<10	0.7
200303030638		5.50	0.05	<0.1	<0.005	0.04	<0.5	22.3	0.34	122	0.87	0.07	0.2	8.6	30	0.6
200303030639		10.15	0.18	0.2	0.035	1.55	0.6	159.0	6.60	1345	0.38	1.56	0.6	74.6	70	3.2
200303030640		9.76	0.16	0.2	0.032	0.84	0.5	208	6.79	1140	0.19	1.55	0.5	183.0	80	3.9
200303030641		12.20	0.18	0.1	0.047	0.61	<0.5	138.5	5.70	1015	0.72	0.41	0.1	247	130	2.1
200303030642		12.95	0.18	0.2	0.076	0.38	0.5	78.3	6.79	1545	0.48	0.68	0.6	137.0	10	2.2
200303030643		13.50	0.22	0.3	0.087	1.70	0.8	186.5	7.99	1780	0.39	0.54	1.7	228	120	2.4

Comments: REE's may not be totally soluble in MS61 method.

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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
200303030644		12.25	0.16	0.3	0.130	0.11	0.5	34.3	5.61	1530	0.72	0.42	1.7	42.7	180	1.4
200303030645		10.15	0.17	0.2	0.033	0.12	0.5	63.1	7.21	1305	0.44	0.44	0.5	202	30	1.9
200303030646		11.70	0.16	0.2	0.038	0.55	0.6	97.4	6.08	1150	0.29	1.33	0.5	140.0	70	3.9
200303030647		13.45	0.18	0.4	0.060	0.93	0.5	34.9	6.75	1390	0.15	1.42	0.3	106.0	90	2.6
2[illegible]03030648		9.29	0.13	0.1	0.022	0.09	<0.5	44.9	4.03	846	0.23	0.63	0.3	68.7	60	1.6
2[illegible]03030649		13.60	0.17	0.2	0.047	0.56	0.5	63.8	5.32	1110	0.41	1.64	0.3	99.6	110	2.5
200303030650		11.10	0.17	0.2	0.040	0.45	0.6	109.0	6.58	1125	0.31	1.91	0.4	103.5	150	2.1
200303030651		8.73	0.18	0.2	0.033	0.84	<0.5	131.0	8.85	1375	0.09	1.04	0.3	315	40	1.9
200303030652		10.95	0.16	0.2	0.042	0.55	<0.5	69.0	5.83	1120	0.31	1.42	0.5	98.8	100	2.9
200303030653		9.23	0.20	0.1	0.038	1.44	<0.5	138.0	8.31	1395	0.24	0.40	0.6	137.0	20	1.9
200303030654		11.10	0.23	0.2	0.039	1.78	<0.5	152.0	11.30	1525	0.11	0.26	0.4	302	10	1.0
200303030655		11.25	0.20	0.1	0.056	0.80	<0.5	92.5	8.35	1495	0.21	0.47	0.4	202	30	1.9
200303030656		9.57	0.19	0.2	0.030	0.71	<0.5	89.9	8.69	1345	0.23	0.55	0.5	305	40	6.7
200303030657		16.00	0.18	0.3	0.045	0.32	0.8	45.4	5.36	1150	1.11	1.75	0.9	93.2	90	3.9
200303030658		14.05	0.17	0.4	0.042	0.70	0.8	37.0	5.64	1250	0.26	1.37	0.8	81.6	90	35.8
200303030659		8.50	0.13	0.2	0.031	0.27	0.9	45.9	4.84	907	0.18	0.58	0.3	71.0	110	2.5
200303030660		8.61	0.15	0.2	0.030	0.54	0.7	148.0	6.78	1155	0.17	1.13	0.5	99.9	120	4.4
200303030661		9.46	0.18	0.3	0.040	0.58	0.7	122.5	7.21	1245	0.13	1.04	0.4	246	90	3.4
200303030662		7.55	0.20	0.2	0.033	0.28	<0.5	79.9	5.82	1040	0.23	0.38	0.4	183.5	60	1.3
200303030663		9.15	0.16	0.2	0.037	0.72	<0.5	91.8	6.90	1275	0.06	1.25	0.3	189.0	70	2.6
200303030664		7.25	0.15	0.2	0.035	0.54	<0.5	78.8	6.61	1295	0.08	1.04	0.3	165.5	80	2.2
200303030665		8.14	0.22	0.2	0.033	0.33	<0.5	58.7	6.78	1305	0.33	0.79	0.3	139.0	40	1.6
200303030666		10.85	0.15	0.3	0.038	0.23	0.7	53.5	5.93	1215	0.05	2.16	0.3	82.1	100	1.8
200303030667		12.05	0.28	0.1	0.028	0.17	0.6	86.3	6.03	858	0.19	0.19	0.5	87.5	120	<0.5
2[illegible]303030668		14.75	0.25	0.2	0.042	0.28	1.0	86.6	6.09	1010	0.10	0.42	0.5	109.0	100	0.7
[illegible]03030669		13.40	0.25	0.1	0.033	0.19	0.8	85.5	5.91	848	0.14	0.18	0.5	91.2	90	0.5
200303030670		16.70	0.26	0.2	0.070	0.40	1.1	91.7	5.07	938	0.16	0.44	0.5	90.1	140	1.1
200303030671		15.10	0.30	0.1	0.054	0.31	1.0	92.3	7.03	1035	0.12	0.30	0.5	99.5	110	0.6
200303030672		15.75	0.26	0.2	0.050	0.35	1.0	88.6	5.27	962	0.30	0.42	0.5	92.6	120	1.7
200303030673		9.93	0.21	0.1	0.025	0.23	0.7	106.5	4.71	695	0.25	0.18	0.3	86.2	160	0.5
200303030674		11.95	0.21	0.2	0.038	0.69	1.1	112.0	5.70	991	0.74	0.43	0.4	140.0	510	1.2
200303030675		14.80	0.20	0.3	0.070	0.29	1.0	55.2	4.95	958	2.08	0.60	0.4	102.0	150	1.7
200303030676		12.70	0.18	0.2	0.067	0.42	0.6	70.3	5.06	942	0.20	0.50	0.4	75.8	90	0.9
200303030677		12.45	0.22	0.2	0.057	0.48	0.9	102.5	5.92	885	1.38	0.41	0.4	124.5	170	0.9
200303030678		14.90	0.28	0.2	0.043	0.38	0.9	133.5	6.42	1045	0.29	0.35	0.6	136.5	170	0.7
200303030679		14.15	0.29	0.2	0.036	0.37	0.7	140.5	6.17	965	0.22	0.39	0.5	114.0	130	0.9
200303030680		11.40	0.22	0.2	0.041	0.26	0.9	92.1	5.67	975	0.14	0.60	0.5	137.0	130	1.1
200303030681		10.05	0.19	0.2	0.044	1.28	0.5	142.0	5.99	1210	0.19	0.96	0.4	150.0	60	2.8
200303030682		10.85	0.27	0.1	0.039	1.73	<0.5	213	7.71	1510	0.44	0.33	1.1	117.0	40	2.0
200303030683		14.55	0.20	0.1	0.048	0.15	<0.5	70.8	5.74	1255	1.65	0.42	0.4	260	20	2.5

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200303030684		10.20	0.10	<0.1	0.008	0.04	<0.5	42.2	2.09	365	0.64	0.27	0.2	124.5	10	2.1
200303030685		9.54	0.19	0.1	0.041	1.99	<0.5	252	7.86	1505	0.59	0.31	1.5	135.5	<10	1.9
200303030686		6.06	0.07	<0.1	<0.005	0.01	<0.5	21.5	0.91	91	0.84	0.16	0.2	28.6	10	1.1
200303030687		13.70	0.28	0.1	0.039	3.48	<0.5	470	9.13	1805	0.25	0.35	1.9	258	<10	1.8
200303030688		4.06	0.08	<0.1	<0.005	0.08	<0.5	29.5	0.92	186	0.89	0.09	0.1	28.1	10	0.6
200303030689		13.55	0.18	<0.1	0.064	0.32	<0.5	75.1	4.54	1125	1.12	0.35	0.1	103.5	40	2.0
200303030690		12.80	0.21	0.1	0.080	0.82	<0.5	122.0	7.38	1925	0.46	0.49	0.9	290	<10	1.7
200303030691		15.10	0.25	0.2	0.112	0.33	<0.5	74.2	7.45	1900	0.57	0.51	1.6	129.0	<10	2.0
200303030692		12.90	0.21	0.2	0.075	0.12	<0.5	46.3	6.19	1590	0.96	0.51	2.3	86.3	10	1.9
200303030693		11.40	0.18	0.2	0.063	0.26	0.6	84.7	4.70	1020	1.12	0.45	0.9	66.9	90	2.2
200303030694		12.55	0.14	0.1	0.075	0.60	0.5	101.5	4.14	905	0.67	0.36	0.3	67.5	100	2.0
200303030695		11.70	0.19	0.2	0.097	0.87	<0.5	115.0	6.38	1505	1.26	0.48	1.3	105.0	90	1.6
200303030696		12.15	0.20	0.3	0.051	0.80	0.9	103.0	5.71	1095	0.22	1.27	0.5	179.5	150	3.1
200303030697		9.17	0.20	0.2	0.040	0.79	0.7	113.0	6.02	1060	1.41	0.69	0.6	166.5	100	2.2
200303030698		7.17	0.18	0.2	0.033	0.13	0.5	40.9	5.66	1105	0.37	0.45	0.3	155.5	10	1.4
200303030699		9.58	0.22	0.2	0.043	0.55	0.5	82.7	6.55	1345	0.85	0.70	0.8	146.5	90	1.8
200306090001		27.0	0.11	0.2	0.005	1.13	2.2	70.6	1.72	482	1.04	0.73	0.7	68.0	1950	6.9
200306080001		11.55	0.19	0.3	0.037	0.25	0.5	44.8	5.78	1295	0.78	1.40	1.2	102.5	60	2.7
200306080002		12.80	0.18	0.3	0.036	0.32	0.6	60.3	5.77	1340	0.60	1.30	2.2	109.0	80	2.7
200306080003		3.17	0.06	<0.1	<0.005	0.12	<0.5	15.8	0.52	162	1.04	0.30	1.1	18.4	10	1.0
200306080004		8.56	0.15	0.2	0.027	0.13	<0.5	44.7	4.69	1050	1.50	0.67	0.3	91.1	130	1.5
200306080005		11.60	0.19	0.3	0.037	0.17	<0.5	48.4	5.22	1115	0.24	0.98	0.5	96.9	60	2.1
200300080001		10.60	0.17	0.2	0.033	2.01	0.6	50.8	3.99	977	0.95	1.76	1.0	90.3	60	4.3
200300080002		8.63	0.22	0.2	0.026	1.24	0.5	185.5	7.70	1390	0.49	0.45	0.7	243	50	1.8
200300080003		4.47	<0.05	<0.1	<0.005	0.13	<0.5	20.0	0.48	117	2.02	0.16	0.2	19.3	40	3.6
200300080004		4.32	<0.05	<0.1	0.010	0.12	<0.5	36.4	1.28	271	1.74	0.14	0.2	48.0	50	1.1
200300080005		7.60	0.08	0.1	0.026	1.54	<0.5	219	8.71	1450	0.68	0.33	0.9	257	40	2.3
200300080006		6.13	0.05	0.1	0.026	0.34	0.6	111.5	7.40	1445	0.97	0.45	0.3	300	40	2.0
200303080001		9.61	0.07	0.1	0.042	0.54	<0.5	77.9	6.45	1230	2.45	1.44	0.5	162.5	120	3.5
200303080002		9.04	0.08	0.1	0.047	1.01	<0.5	139.0	6.39	1240	1.25	0.84	0.9	116.0	70	2.8
200303080003		9.54	<0.05	<0.1	0.009	0.38	<0.5	41.9	1.53	349	1.82	0.57	0.6	54.8	60	2.3
200303080004		13.50	0.10	0.3	0.037	0.38	0.6	105.0	4.71	1050	1.32	0.37	3.1	185.0	90	3.0
200303080005		11.50	0.08	0.1	0.044	1.37	<0.5	191.5	7.68	1495	1.16	0.45	3.4	174.5	80	2.7
200303080006		7.67	0.06	0.1	0.030	0.85	0.5	122.5	6.83	1300	0.51	1.29	0.7	240	70	3.6

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303030563		103.0	0.006	1.26	<0.05	1	69.7	21.7	<0.05	<0.05	0.2	0.14	0.76	0.2	196	1.1
200303030564		294	0.006	0.85	<0.05	1	89.6	12.4	<0.05	<0.05	<0.2	0.18	1.83	0.3	225	17.2
200303030565		155.0	0.002	0.81	<0.05	1	46.0	31.8	<0.05	<0.05	<0.2	0.16	1.02	0.2	228	1.4
200303030566		138.0	0.002	0.04	<0.05	<1	8.8	35.1	<0.05	<0.05	<0.2	0.15	0.90	0.2	242	0.8
2[illegible]03030567		104.0	0.002	0.03	<0.05	<1	1.2	37.3	<0.05	<0.05	<0.2	0.11	0.71	0.1	234	0.4
2[illegible]03030568		187.0	0.002	0.05	<0.05	<1	5.7	44.6	<0.05	<0.05	<0.2	0.21	1.06	0.1	265	0.8
200303030569		500	0.014	0.07	<0.05	<1	28.1	44.1	0.17	<0.05	<0.2	0.18	2.68	0.2	236	1.2
200303030570		98.1	0.002	0.08	<0.05	<1	10.1	13.2	<0.05	0.07	0.2	0.04	0.55	0.1	43	1.7
200303030571		18.1	<0.002	0.31	<0.05	1	20.8	22.2	<0.05	<0.05	0.5	0.04	0.13	0.5	50	0.6
200303030572		410	0.007	0.16	<0.05	1	33.3	19.4	0.08	0.10	1.2	0.11	2.31	0.4	140	162.5
200303030573		840	0.004	0.04	<0.05	<1	22.4	18.2	<0.05	<0.05	<0.2	0.19	5.08	0.2	221	3.7
200303030574		87.0	0.003	0.33	<0.05	1	14.2	6.5	<0.05	<0.05	<0.2	0.18	0.56	0.6	218	2.7
200303030575		47.6	0.012	1.00	<0.05	4	4.2	2.2	<0.05	0.16	<0.2	0.24	0.41	0.6	234	1.5
200303030576		5.4	0.002	0.10	<0.05	<1	5.3	1.8	<0.05	<0.05	<0.2	0.16	0.06	0.1	274	0.8
200303030577		61.2	0.003	0.35	<0.05	1	1.8	7.3	<0.05	0.06	<0.2	0.21	0.53	0.4	242	1.4
200303030578		24.2	0.004	0.51	<0.05	3	1.0	3.2	<0.05	0.06	<0.2	0.13	0.39	0.2	170	1.0
200303030579		37.8	0.021	3.21	<0.05	14	2.7	10.6	<0.05	0.30	<0.2	0.20	0.83	0.5	238	1.2
200303030580		87.9	0.004	0.25	<0.05	1	2.0	30.7	<0.05	<0.05	<0.2	0.21	0.49	0.2	262	0.8
200303030581		40.2	0.002	0.18	<0.05	2	2.4	10.0	<0.05	<0.05	<0.2	0.23	0.34	0.4	248	0.8
200303030582		4.6	0.003	0.22	<0.05	2	1.4	19.2	<0.05	<0.05	<0.2	0.11	0.44	0.1	143	2.4
200303030583		98.2	<0.002	0.12	<0.05	<1	23.8	8.7	<0.05	<0.05	<0.2	0.13	0.68	0.1	221	1.2
200303030584		860	0.002	0.24	<0.05	<1	53.0	5.5	<0.05	<0.05	<0.2	0.12	5.43	0.2	287	1.5
200303030585		57.8	0.004	0.48	<0.05	1	30.9	18.8	<0.05	<0.05	<0.2	0.12	0.73	0.1	172	0.4
200303030586		213	0.010	1.16	<0.05	2	54.0	24.5	<0.05	<0.05	<0.2	0.13	1.16	0.2	172	0.9
200303030587		23.6	0.002	0.98	<0.05	1	23.8	20.2	<0.05	<0.05	<0.2	0.05	0.15	<0.1	77	1.3
[illegible]03030588		399	0.004	0.37	<0.05	1	63.3	11.4	<0.05	<0.05	<0.2	0.10	2.45	0.1	205	0.4
200303030589		720	0.003	0.49	<0.05	<1	46.8	7.5	<0.05	<0.05	<0.2	0.10	4.10	0.1	234	0.6
200303030590		4.0	0.002	0.03	<0.05	1	5.0	7.9	<0.05	<0.05	<0.2	0.11	0.05	0.1	178	1.8
200303030591		470	0.008	1.50	<0.05	2	22.0	9.8	0.19	0.05	0.4	0.07	2.60	0.2	129	3.7
200303030592		400	<0.002	0.24	<0.05	<1	15.2	5.8	<0.05	<0.05	<0.2	0.14	2.19	0.2	215	1.0
200303030593		930	0.002	0.05	<0.05	<1	19.6	1.5	<0.05	<0.05	<0.2	0.17	4.87	0.6	241	1.0
200303030594		730	0.006	0.28	<0.05	1	35.5	8.7	<0.05	<0.05	<0.2	0.19	4.01	0.3	298	1.9
200303030595		347	0.054	1.40	<0.05	1	41.5	4.9	<0.05	<0.05	<0.2	0.08	1.86	0.5	241	0.6
200303030596		760	0.124	0.30	<0.05	1	45.3	7.1	<0.05	<0.05	<0.2	0.11	4.72	0.4	217	6.8
200303030597		22.0	0.004	0.12	<0.05	2	17.4	14.9	<0.05	0.29	<0.2	0.04	0.14	0.2	61	4.2
200303030598		7.8	0.008	0.23	<0.05	1	5.3	4.2	<0.05	<0.05	<0.2	0.01	0.06	0.1	16	0.8
200303030599		590	0.011	2.04	0.17	2	27.6	7.4	0.05	<0.05	0.3	0.14	4.27	0.2	169	5.0
200303030600		530	0.016	2.47	0.05	3	33.2	3.6	<0.05	<0.05	<0.2	0.14	3.89	0.2	152	4.2
200303030601		590	0.006	0.32	0.09	1	52.6	1.8	<0.05	<0.05	<0.2	0.15	4.22	0.2	216	5.6
200303030602		480	0.013	0.14	0.10	1	29.1	2.9	<0.05	<0.05	<0.2	0.15	3.24	0.2	236	8.1

Comments: REE's may not be totally soluble in MS61 method.

ALS Chemex

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Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
200303030603		362	0.003	0.66	0.10	2	52.6	19.3	<0.05	<0.05	<0.2	0.12	2.54	0.1	197	0.8
200303030604		71.5	0.008	1.66	0.06	1	72.0	12.8	<0.05	<0.05	<0.2	0.09	0.54	0.1	199	0.6
200303030605		58.7	0.005	0.64	0.05	<1	72.2	23.4	<0.05	<0.05	<0.2	0.13	0.43	0.2	178	134.5
200303030606		37.1	0.002	0.30	0.07	<1	20.8	67.7	<0.05	<0.05	<0.2	0.15	0.34	0.1	224	7.2
200303030607		64.7	0.002	0.81	0.11	1	31.4	19.8	<0.05	<0.05	<0.2	0.13	0.64	0.1	179	2.5
200303030608		82.9	0.004	2.07	0.06	2	36.6	17.0	<0.05	<0.05	<0.2	0.13	0.87	0.1	162	1.4
200303030609		70.3	0.004	1.70	0.10	3	72.3	16.0	<0.05	<0.05	<0.2	0.13	0.74	0.2	208	2.3
200303030610		44.9	0.003	1.05	<0.05	2	70.9	17.4	<0.05	<0.05	<0.2	0.13	0.35	0.2	163	10.6
200303030611		13.9	0.005	0.08	<0.05	1	32.4	9.8	<0.05	<0.05	<0.2	0.06	0.12	0.1	69	93.2
200303030612		0.5	0.002	0.02	<0.05	1	1.2	2.0	<0.05	<0.05	<0.2	<0.01	<0.02	<0.1	5	2.4
200303030613		24.6	0.004	0.67	<0.05	2	58.7	23.2	<0.05	<0.05	<0.2	0.12	0.20	0.2	133	48.7
200303030614		9.3	0.004	0.37	<0.05	<1	48.9	26.7	<0.05	<0.05	<0.2	0.10	0.08	0.1	129	23.7
200303030615		84.4	0.002	0.09	<0.05	1	17.3	77.8	<0.05	<0.05	<0.2	0.15	0.72	0.1	210	1.5
200303030616		168.5	0.003	1.33	<0.05	1	66.5	16.8	<0.05	<0.05	<0.2	0.15	1.18	0.2	224	1.3
200303030617		186.0	0.004	0.92	<0.05	2	26.9	14.3	<0.05	<0.05	<0.2	0.08	1.24	0.1	179	0.9
200303030618		1.5	0.002	0.49	<0.05	1	9.4	18.2	<0.05	<0.05	<0.2	0.04	0.04	<0.1	52	1.0
200303030619		65.4	0.002	0.52	0.12	1	18.1	3.3	<0.05	<0.05	<0.2	0.08	0.60	0.1	222	0.6
200303030620		42.9	0.003	0.07	0.10	2	3.8	18.6	<0.05	<0.05	<0.2	0.11	0.41	0.1	212	1.1
200303030621		30.5	0.002	0.05	<0.05	1	1.5	9.9	<0.05	<0.05	<0.2	0.11	0.30	0.1	207	0.7
200303030622		54.6	0.003	0.05	0.07	2	7.6	107.5	<0.05	<0.05	<0.2	0.20	0.38	0.1	287	1.0
200303030623		14.0	0.002	0.01	0.06	2	6.0	28.1	<0.05	<0.05	<0.2	0.13	0.11	<0.1	148	1.1
200303030624		75.1	0.003	0.03	0.09	1	3.0	61.1	<0.05	<0.05	<0.2	0.06	0.52	0.1	120	1.5
200303030625		76.3	0.003	0.01	<0.05	2	2.5	62.4	<0.05	<0.05	<0.2	0.17	0.59	0.1	219	0.9
200303030626		91.4	0.064	0.21	0.06	2	23.4	7.5	0.17	<0.05	<0.2	0.10	0.89	0.1	191	0.7
200303030627		209	0.003	0.07	0.14	2	52.8	24.0	<0.05	<0.05	<0.2	0.17	1.54	0.1	213	1.5
200303030629		225	0.024	0.03	0.05	2	50.8	15.7	0.24	<0.05	<0.2	0.08	1.38	0.1	132	1.0
200303030630		740	0.002	0.27	0.05	2	49.7	7.1	0.13	<0.05	<0.2	0.12	4.89	0.1	209	0.5
200303030631		191.5	0.015	0.01	<0.05	1	43.5	20.1	0.11	<0.05	<0.2	0.15	1.29	0.2	234	0.5
200303030632		96.4	<0.002	0.02	<0.05	1	0.9	24.9	<0.05	<0.05	<0.2	0.18	0.63	0.2	249	0.8
200303030633		57.3	0.003	0.09	0.06	2	3.9	23.7	<0.05	<0.05	<0.2	0.19	0.44	0.2	236	1.9
200303030634		171.0	0.002	0.01	0.05	1	6.1	41.8	<0.05	<0.05	<0.2	0.18	1.01	0.2	233	1.2
200303030635		373	0.004	<0.01	0.06	2	18.3	43.1	<0.05	<0.05	<0.2	0.20	2.21	0.2	268	0.9
200303030636		90.0	0.002	0.02	0.15	<1	16.2	10.3	<0.05	<0.05	0.2	0.06	0.64	0.1	59	2.2
200303030637		5.7	0.002	<0.01	0.06	<1	9.5	5.6	<0.05	0.07	<0.2	0.01	0.04	<0.1	19	0.7
200303030638		10.4	<0.002	<0.01	0.06	<1	6.3	5.4	<0.05	0.14	<0.2	0.01	0.08	<0.1	13	0.6
200303030639		340	0.002	<0.01	0.08	<1	18.6	70.7	<0.05	<0.05	<0.2	0.18	2.05	0.1	199	1.0
200303030640		198.5	0.003	0.31	0.05	<1	43.8	60.2	<0.05	<0.05	<0.2	0.19	1.43	0.1	189	0.8
200303030641		132.5	0.008	0.38	<0.05	<1	72.0	21.1	<0.05	<0.05	<0.2	0.09	1.05	0.1	150	275
200303030642		47.6	0.002	0.03	0.09	<1	100.5	19.9	<0.05	<0.05	<0.2	0.16	0.40	0.1	255	46.2
200303030643		366	0.002	0.20	0.08	<1	105.0	10.6	0.06	<0.05	<0.2	0.17	2.50	0.3	280	23.6

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200303030644		6.6	0.012	0.40	0.06	1	139.0	7.6	<0.05	0.06	<0.2	0.18	0.16	0.9	206	580
200303030645		19.3	0.002	0.16	0.07	<1	59.5	18.8	<0.05	<0.05	<0.2	0.08	0.46	0.1	178	5.3
200303030646		93.9	0.003	0.02	0.07	<1	46.1	40.4	<0.05	<0.05	<0.2	0.18	0.86	0.1	223	13.8
200303030647		208	0.003	0.03	0.05	<1	9.1	70.3	<0.05	<0.05	<0.2	0.19	1.22	0.1	314	7.8
200303030648		13.5	0.002	0.02	0.10	<1	27.6	35.8	<0.05	<0.05	<0.2	0.11	0.21	0.1	152	9.7
200303030649		92.8	0.003	0.10	0.06	<1	5.1	50.4	<0.05	<0.05	<0.2	0.16	0.71	0.2	278	4.6
200303030650		71.3	0.002	0.04	0.05	<1	0.9	63.6	<0.05	<0.05	<0.2	0.22	0.50	0.1	219	5.2
200303030651		169.0	0.002	0.03	<0.05	<1	3.9	23.1	<0.05	<0.05	<0.2	0.12	0.98	0.1	226	2.4
200303030652		85.2	0.002	0.07	<0.05	<1	27.0	42.4	<0.05	<0.05	<0.2	0.16	0.65	0.2	230	4.9
200303030653		359	<0.002	0.20	<0.05	<1	57.4	10.6	<0.05	<0.05	<0.2	0.07	2.49	0.1	202	1.9
200303030654		447	<0.002	0.36	<0.05	<1	44.9	2.2	<0.05	<0.05	<0.2	0.08	3.34	<0.1	315	2.2
200303030655		195.0	0.003	0.56	0.06	<1	74.7	13.8	<0.05	<0.05	<0.2	0.08	1.24	<0.1	208	1.5
200303030656		184.5	0.002	0.44	<0.05	<1	52.1	18.2	<0.05	<0.05	<0.2	0.13	1.36	0.1	222	1.5
200303030657		47.0	0.005	0.14	0.05	<1	37.7	83.3	<0.05	<0.05	<0.2	0.23	0.34	0.2	278	1.6
200303030658		150.0	0.003	0.10	2.31	<1	38.7	74.9	<0.05	<0.05	<0.2	0.21	0.83	0.2	272	4.6
200303030659		42.9	0.002	0.06	0.09	<1	37.2	30.5	<0.05	<0.05	<0.2	0.17	0.30	0.1	177	2.0
200303030660		84.3	0.002	0.05	<0.05	<1	21.9	23.5	<0.05	<0.05	<0.2	0.22	0.70	0.1	200	3.4
200303030661		85.3	0.002	0.12	0.22	<1	21.4	22.0	<0.05	<0.05	<0.2	0.19	0.68	0.1	234	4.4
200303030662		35.9	0.002	0.15	<0.05	<1	42.2	15.4	<0.05	<0.05	<0.2	0.17	0.30	0.1	247	3.9
200303030663		114.5	0.002	0.11	<0.05	<1	17.4	51.2	<0.05	<0.05	<0.2	0.18	0.87	0.1	236	1.6
200303030664		82.2	0.002	0.08	<0.05	<1	10.4	41.4	<0.05	<0.05	<0.2	0.15	0.63	0.1	202	1.2
200303030665		50.0	0.003	0.44	0.61	1	15.7	19.6	<0.05	<0.05	<0.2	0.13	0.69	0.2	196	2.0
200303030666		29.2	<0.002	0.07	<0.05	<1	0.5	75.9	<0.05	<0.05	<0.2	0.21	0.18	0.1	247	1.0
200303030667		18.7	0.002	0.24	0.08	1	0.8	6.9	<0.05	0.08	<0.2	0.22	0.29	0.2	214	1.2
200303030668		40.1	0.002	0.10	<0.05	<1	1.1	30.6	<0.05	<0.05	<0.2	0.20	0.27	0.2	254	0.8
200303030669		22.6	0.003	0.32	<0.05	<1	0.9	16.0	<0.05	0.07	<0.2	0.20	0.18	0.2	222	2.3
200303030670		53.0	0.003	0.35	0.05	<1	1.4	59.5	<0.05	0.05	<0.2	0.22	0.38	0.2	284	1.7
200303030671		42.3	0.002	0.12	<0.05	<1	4.6	15.6	<0.05	<0.05	<0.2	0.24	0.34	0.1	280	1.3
200303030672		49.7	0.004	0.12	0.15	<1	5.5	56.9	<0.05	<0.05	0.3	0.24	0.49	0.2	298	1.4
200303030673		29.6	0.003	0.22	0.07	<1	9.1	4.7	<0.05	<0.05	<0.2	0.17	0.33	0.1	188	1.4
200303030674		103.5	0.005	0.43	0.06	<1	11.0	33.4	<0.05	<0.05	<0.2	0.26	0.96	0.1	217	0.8
200303030675		42.9	0.009	0.02	0.06	<1	1.7	136.5	<0.05	<0.05	<0.2	0.24	0.33	0.3	289	1.5
200303030676		57.8	0.003	0.02	0.09	<1	0.9	56.6	<0.05	<0.05	<0.2	0.18	0.41	0.1	246	0.8
200303030677		67.3	0.003	0.02	0.05	<1	1.4	40.8	<0.05	<0.05	<0.2	0.23	0.53	0.2	231	1.3
200303030678		45.8	0.003	0.21	<0.05	<1	1.1	29.0	0.05	<0.05	<0.2	0.29	0.38	0.2	278	1.9
200303030679		35.9	0.005	0.61	<0.05	1	1.0	33.1	<0.05	0.07	<0.2	0.26	0.41	0.3	269	2.4
200303030680		34.1	0.002	0.05	<0.05	<1	0.9	53.5	<0.05	<0.05	<0.2	0.26	0.26	0.1	231	0.7
200303030681		286	0.002	0.06	<0.05	<1	24.4	57.6	<0.05	<0.05	<0.2	0.15	2.26	0.2	221	1.9
200303030682		418	0.003	0.41	0.06	<1	35.1	17.9	<0.05	<0.05	<0.2	0.08	2.97	0.1	167	0.9
200303030683		25.0	0.020	0.68	0.05	<1	61.3	24.8	<0.05	<0.05	<0.2	0.06	0.36	<0.1	145	4.4

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	1	0.2	0.2	0.05	0.05	0.2	0.01	0.02	0.1	1	0.1
200303030684		8.5	<0.002	0.13	<0.05	<1	28.0	26.0	<0.05	<0.05	<0.2	0.04	0.08	<0.1	68	16.9
200303030685		480	0.003	0.62	<0.05	<1	41.0	13.8	0.05	<0.05	<0.2	0.05	3.08	0.1	142	1.7
200303030686		1.6	<0.002	0.06	0.05	<1	18.4	15.7	<0.05	<0.05	<0.2	0.02	0.02	<0.1	33	1.9
200303030687		840	0.002	0.71	<0.05	<1	67.5	6.2	0.15	<0.05	<0.2	0.12	5.11	0.1	212	7.2
200303030688		16.9	0.002	0.07	<0.05	<1	11.8	7.7	<0.05	<0.05	<0.2	0.02	0.14	<0.1	25	74.2
200303030689		57.3	0.009	0.28	0.05	<1	62.5	19.0	<0.05	<0.05	0.2	0.04	0.19	0.1	111	660
200303030690		179.0	0.005	0.62	<0.05	<1	57.7	18.2	0.07	<0.05	<0.2	0.08	1.08	0.1	178	12.6
200303030691		52.9	0.010	0.38	0.06	1	108.5	14.6	0.10	<0.05	<0.2	0.09	0.81	0.2	194	265
200303030692		12.6	<0.002	0.09	0.06	<1	78.9	20.7	<0.05	<0.05	<0.2	0.12	0.11	0.2	199	7.1
200303030693		49.4	0.003	0.12	0.06	<1	90.3	20.2	<0.05	<0.05	<0.2	0.13	0.41	0.2	201	9.6
200303030694		128.0	0.016	0.67	<0.05	1	76.8	18.8	<0.05	<0.05	<0.2	0.13	1.00	0.3	150	760
200303030695		199.5	0.003	0.72	<0.05	<1	93.4	10.0	<0.05	<0.05	<0.2	0.12	1.46	0.2	178	12.6
200303030696		140.0	0.002	0.18	<0.05	<1	28.9	68.6	<0.05	<0.05	<0.2	0.25	1.32	0.2	241	12.9
200303030697		129.5	0.002	0.67	<0.05	<1	47.5	31.1	<0.05	<0.05	<0.2	0.18	1.40	0.1	188	5.9
200303030698		14.5	0.002	0.33	<0.05	<1	57.3	16.0	<0.05	<0.05	<0.2	0.09	0.23	0.1	179	5.3
200303030699		84.3	0.002	0.09	0.05	<1	81.8	22.0	<0.05	<0.05	<0.2	0.17	0.84	0.2	225	4.9
200306090001		312	0.003	0.42	0.14	1	62.7	30.5	1.00	0.10	0.6	0.04	1.50	0.8	57	13.5
200306080001		31.7	0.004	0.07	0.12	<1	53.2	43.8	<0.05	<0.05	<0.2	0.17	0.20	0.1	241	3.6
200306080002		43.9	0.003	0.13	0.12	<1	56.2	42.0	<0.05	<0.05	<0.2	0.19	0.34	0.2	259	2.9
200306080003		20.5	0.003	0.01	<0.05	<1	12.2	12.0	<0.05	<0.05	<0.2	0.03	0.14	<0.1	21	47.0
200306080004		15.2	<0.002	0.03	<0.05	<1	34.8	20.5	<0.05	<0.05	<0.2	0.11	0.10	<0.1	155	13.3
200306080005		21.8	<0.002	0.05	0.06	<1	39.2	36.5	<0.05	<0.05	<0.2	0.16	0.16	0.1	214	4.7
200300080001		411	0.002	0.04	0.10	<1	33.7	87.7	<0.05	<0.05	<0.2	0.16	3.05	0.2	224	35.6
200300080002		278	<0.002	0.06	0.07	<1	59.7	7.1	<0.05	<0.05	<0.2	0.10	2.49	0.1	212	3.8
200300080003		25.1	<0.002	0.01	0.07	<1	7.4	8.3	<0.05	<0.05	<0.2	0.02	0.17	<0.1	18	2.3
200300080004		22.0	<0.002	<0.01	0.05	<1	12.6	6.0	<0.05	<0.05	<0.2	0.02	0.17	<0.1	36	25.2
200300080005		281	<0.002	0.02	0.10	1	41.3	7.3	<0.05	<0.05	<0.2	0.08	2.08	0.1	190	2.3
200300080006		49.5	<0.002	<0.01	0.13	<1	35.2	10.3	<0.05	<0.05	<0.2	0.07	0.50	0.1	177	16.4
200303080001		75.1	0.019	0.10	0.07	1	26.1	30.1	<0.05	<0.05	<0.2	0.13	1.21	0.1	213	1.5
200303080002		175.5	<0.002	0.04	0.07	1	50.8	20.4	0.07	<0.05	<0.2	0.12	1.36	0.1	205	4.8
200303080003		67.1	<0.002	<0.01	<0.05	<1	21.7	19.4	<0.05	<0.05	<0.2	0.03	0.32	0.1	48	4.9
200303080004		84.1	<0.002	0.01	0.12	<1	65.8	17.4	<0.05	<0.05	0.2	0.10	0.60	0.2	153	14.9
200303080005		279	<0.002	0.01	0.11	<1	63.4	12.8	0.06	<0.05	<0.2	0.10	1.70	0.1	171	8.0
200303080006		136.5	<0.002	<0.01	0.05	<1	17.7	26.7	<0.05	<0.05	<0.2	0.11	1.00	0.1	181	2.0

Comments: REE's may not be totally soluble in MS61 method.

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Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030563		8.6	102	3.0	3620
200303030564		7.9	104	2.5	3840
200303030565		9.0	75	2.7	1930
200303030566		7.6	65	2.5	200
200303030567		4.5	67	2.0	70
200303030568		9.3	87	2.4	240
200303030569		7.9	69	1.4	1660
200303030570		4.2	42	0.7	1950
200303030571		10.2	109	0.5	2320
200303030572		8.0	84	1.5	3050
200303030573		8.5	82	1.4	990
200303030574		11.0	102	1.6	410
200303030575		7.9	119	2.4	120
200303030576		7.3	112	1.0	140
200303030577		8.2	106	2.2	40
200303030578		5.7	77	2.1	40
200303030579		8.2	100	3.3	40
200303030580		8.8	86	1.8	50
200303030581		8.8	105	1.8	40
200303030582		6.5	70	1.1	60
200303030583		5.9	91	1.3	310
200303030584		4.5	118	1.8	2270
200303030585		7.6	79	1.4	1830
200303030586		12.3	90	2.2	3330
200303030587		4.5	45	1.2	2370
200303030588		4.8	79	1.3	4120
200303030589		4.0	115	1.9	3660
200303030590		4.3	20	0.8	210
200303030591		18.0	60	0.9	4150
200303030592		3.0	16	1.3	780
200303030593		6.5	49	2.1	900
200303030594		7.6	85	1.7	1100
200303030595		8.9	83	2.1	1470
200303030596		6.0	103	1.8	3330
200303030597		3.9	54	0.8	2300
200303030598		3.4	29	<0.5	1220
200303030599		3.6	80	3.2	4190
200303030600		2.6	54	1.9	3480
200303030601		3.7	54	1.2	2020
200303030602		4.3	44	1.3	920

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030603		7.3	111	1.5	3580
200303030604		8.7	127	2.0	4500
200303030605		7.9	96	2.9	2830
200303030606		7.5	55	2.5	630
200303030607		6.1	71	1.8	1180
200303030608		7.3	78	1.7	1740
200303030609		7.9	81	2.5	3010
200303030610		7.1	92	2.0	3660
200303030611		3.3	38	1.5	2310
200303030612		<0.1	2	0.5	210
200303030613		7.3	75	2.2	3510
200303030614		4.8	58	1.5	3670
200303030615		6.5	58	2.5	900
200303030616		7.7	108	2.4	2810
200303030617		3.9	120	1.4	2670
200303030618		0.5	25	0.7	740
200303030619		3.2	162	1.7	960
200303030620		5.1	114	2.6	110
200303030621		5.1	102	2.3	90
200303030622		8.0	68	3.4	110
200303030623		5.6	45	1.9	110
200303030624		2.9	25	1.4	90
200303030625		7.0	63	2.4	90
200303030626		4.8	85	1.9	1700
200303030627		7.6	66	3.0	1780
200303030629		4.8	88	1.7	4570
200303030630		5.4	108	1.7	6430
200303030631		8.2	66	3.2	2000
200303030632		8.5	95	2.0	140
200303030633		7.7	95	1.9	320
200303030634		7.6	86	2.1	370
200303030635		8.7	89	2.2	1770
200303030636		2.6	60	1.6	2510
200303030637		0.5	22	0.7	940
200303030638		0.6	21	0.6	800
200303030639		7.5	73	4.2	1930
200303030640		7.8	82	2.3	1700
200303030641		4.0	108	1.3	5260
200303030642		8.6	112	2.5	4840
200303030643		10.4	147	2.7	6180

Comments: REE's may not be totally soluble in MS61 method.

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CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030644		17.0	115	2.1	5810
200303030645		5.0	85	1.8	4540
200303030646		8.6	77	2.4	2140
200303030647		8.8	70	4.4	200
200303030648		6.2	56	1.4	2050
200303030649		7.8	73	2.4	240
200303030650		8.6	97	1.9	80
200303030651		5.2	77	1.6	130
200303030652		8.7	55	2.3	1550
200303030653		4.2	97	1.5	7300
200303030654		4.3	101	1.8	3810
200303030655		4.0	114	1.9	5360
200303030656		6.1	86	1.8	3510
200303030657		9.9	53	3.9	2110
200303030658		9.7	53	3.8	1830
200303030659		9.4	52	1.6	1850
200303030660		9.1	62	2.0	670
200303030661		8.0	71	2.0	660
200303030662		7.6	71	1.6	1270
200303030663		7.8	63	1.6	290
200303030664		8.5	59	1.5	120
200303030665		6.1	62	1.9	120
200303030666		8.6	45	2.2	60
200303030667		6.8	37	1.1	50
200303030668		9.0	34	1.9	50
200303030669		6.9	31	1.1	40
200303030670		10.0	26	1.9	40
200303030671		9.8	38	1.2	50
200303030672		11.0	27	3.1	70
200303030673		9.2	30	1.0	260
200303030674		9.4	42	2.1	1050
200303030675		10.2	29	3.8	60
200303030676		8.1	34	2.4	50
200303030677		8.9	41	2.7	60
200303030678		11.4	42	2.3	60
200303030679		10.2	43	1.7	60
200303030680		10.6	39	1.8	80
200303030681		6.9	50	1.5	1340
200303030682		4.7	104	0.9	5540
200303030683		4.4	97	1.1	3860

Comments: REE's may not be totally soluble in MS61 method.

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To: TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 25-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03036633

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	F-ELE81 F ppm 20
200303030684		1.1	38	0.7	2690
200303030685		2.5	110	1.1	9080
200303030686		0.3	19	0.6	1380
200303030687		5.0	164	1.1	>10000
200303030688		0.6	19	0.6	1520
200303030689		6.6	95	<0.5	5150
200303030690		5.2	144	1.4	8800
200303030691		9.3	143	1.8	7260
200303030692		8.3	118	1.4	6170
200303030693		8.1	89	1.4	4850
200303030694		7.4	88	1.3	4880
200303030695		9.2	116	1.7	5010
200303030696		12.2	46	2.5	1080
200303030697		9.3	60	1.7	2620
200303030698		6.2	57	1.6	3210
200303030699		9.4	69	2.0	3050
200306090001		16.2	116	1.7	3370
200306080001		8.4	74	3.2	3340
200306080002		9.9	72	4.6	2870
200306080003		0.9	12	0.7	790
200306080004		6.6	71	1.9	2860
200306080005		8.8	76	2.5	3400
200300080001		7.8	49	2.0	1620
200300080002		6.6	94	2.0	3240
200300080003		0.7	30	0.5	1150
200300080004		1.3	28	0.5	1920
200300080005		4.4	91	1.5	5780
200300080006		4.7	79	1.7	2670
200303080001		6.0	65	2.2	1950
200303080002		6.5	90	1.7	4650
200303080003		1.9	46	0.7	2390
200303080004		7.6	99	1.1	4710
200303080005		4.6	127	1.5	7000
200303080006		4.8	70	1.6	1740

Comments: REE's may not be totally soluble in MS61 method.

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VANCOUVER BC V6B 1P2

Date : 15-Sep-2003
Account: THR

CERTIFICATE VA03034007

Project : Regal Ridge

P.O. No:

This report is for 35 PULP samples submitted to our lab in North Vancouver, BC, Canada on 3-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

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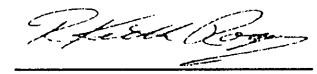
Signature: 

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 15-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034007

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200301080001		950
200301080002		1250
200301080003		900
200301080004		1140
200301080005		1180
200301080006		1920
200301080007		2250
200301080008		3790
200301080009		1150
200301080010		3730
200301080011		1270
200301080012		560
200301080013		2190
200301080014		1820
200301080015		6420
200301080016		3440
200301080017		3130
200301080018		970
200301080019		1850
200301080020		3330
200301080021		4510
200303040400		130
200303040401		2860
200303040402		1890
200303040403		850
200303040404		1660
200303040405		100
200303040406		300
200303040407		160
200303040408		140
200303040409		490
200303040410		30
200303040411		630
200303040412		370

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Date : 15-Sep-2003
Account: THR

CERTIFICATE VA03034008

Project : Regal Ridge

P.O. No:

This report is for 57 PULP samples submitted to our lab in North Vancouver, BC, Canada on 3-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

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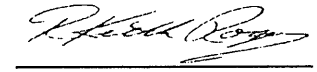
Signature: 

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Date : 15-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034008

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200301080022		500
200301080023		2360
200301080024		5610
200301080025		2570
01080026		2940
200301080027		2740
200301080028		4100
200301080029		3010
200301080030		1140
200301080031		4450
200301080032		1480
200301080033		1190
200301080034		2340
200301080035		4390
200301080036		2250
200301080037		3310
200301080038		4570
200301080039		3220
200301080040		2160
200301080041		3660
200301080042		2250
200301080043		890
200301080044		710
200301080045		2970
0301080046		2630
200301080047		4580
200301080048		3150
200301080049		1070

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Date : 16-Sep-2003
Account: THR

CERTIFICATE VA03034009

Project : Regal Ridge

P.O. No:

This report is for 28 PULP samples submitted to our lab in North Vancouver, BC, Canada on 3-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
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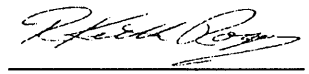
Signature: 

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Date : 16-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034009

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040001		2270
200303040002		7840
200303040003		7780
200303040004		>10000
303040005		3760
200303040006		4380
200303040007		5510
200303040008		3820
200303040009		3080
200303040010		1240
200303040011		1250
200303040012		710
200303040013		520
200303040014		750
200303040015		630
200303040016		1210
200303040017		1610
200303040018		1370
200303040019		200
200303040020		90
200303040021		50
200303040022		360
200303040023		220

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Date : 17-Sep-2003
Account: THR

CERTIFICATE VA03034387

Project : Regal Ridge

P.O. No:

This report is for 120 PULP samples submitted to our lab in North Vancouver, BC, Canada on3-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
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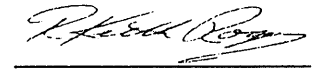
Signature: 

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Date : 17-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034387

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040024		210
200303040025		600
200303040026		1570
200303040027		4020
03040028		3560
200303040029		1670
200303040030		470
200303040031		420
200303040032		240
200303040033		480
200303040034		900
200303040035		5410
200303040036		5390
200303040037		3710
200303040038		4570
200303040039		4070
200303040040		7820
200303040041		4480
200303040042		5540
200303040043		5960
200303040044		>10000
200303040045		>10000
200303040046		>10000
200303040047		>10000
0303040048		3940
200303040049		790
200303040050		70
200303040051		80
200303040052		100
200303040053		110
200303040054		80
200303040055		130
200303040056		190
200303040057		110
200303040058		2110
200303040059		4830
200303040060		3100
200303040061		2220
200303040062		5210
200303040063		6330

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Date : 17-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034387

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040064		1530
200303040065		390
200303040066		210
200303040067		240
03040068		220
200303040069		2610
200303040070		3560
200303040071		2800
200303040072		410
200303040073		300
200303040074		220
200303040075		140
200303040076		140
200303040077		240
200303040078		1090
200303040079		240
200303040080		510
200303040081		2030
200303040082		3170
200303040083		7730
200303040084		8340
200303040085		1650
200303040086		1040
200303040087		1070
0303040088		6330
200303040089		4190
200303040090		7210
200303040091		5690
200303040092		2850
200303040093		1150
200303040094		330
200303040095		200
200303040096		290
200303040097		610
200303040098		1520
200303040099		3300
200303040100		3180
200303040101		3490
200303040102		3130
200303040103		3400

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Date : 17-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034387

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040104		3240
200303040105		4530
200303040106		2890
200303040107		5310
03040108		6530
200303040109		4910
200303040110		4260
200303040111		2850
200303040112		1270
200303040113		350
200303040114		110
200303040115		140
200303040116		260
200303040117		170
200303040118		430
200303040119		390
200303040120		1320
200303040121		150
200303040122		70
200303040123		460
200303040124		2050
200303040125		4510
200303040126		1470
200303040127		980
0303040128		2900
200303040129		2760
200303040130		3540
200303040131		3510
200303040132		3830
200303040133		770
200303040134		1570
200303040135		3370
200303040136		3790
200303040137		3870
200303040138		4640
200303040139		4340
200303040140		2380
200303040141		1950
200303040142		1940
200303040143		620

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VANCOUVER BC V6B 1P2

: 18-Sep-2003
Account: THR

CERTIFICATE VA03034388

Project : Regal Ridge

P.O. No:

This report is for 122 PULP samples submitted to our lab in North Vancouver, BC, Canada on3-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

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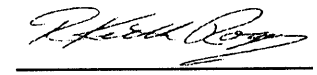
Signature: 

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601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 18-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034388

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040144		1280
200303040145		1210
200303040146		2190
200303040147		2040
03040148		2590
200303040149		3020
200303040150		4930
200303040151		3660
200303040152		4020
200303040153		3030
200303040154		1530
200303040155		1640
200303040156		1410
200303040157		2380
200303040158		1630
200303040159		2530
200303040160		1210
200303040161		2230
200303040162		3470
200303040163		2420
200303040164		1780
200303040165		1080
200303040166		1020
200303040167		1320
303040168		3240
200303040169		4440
200303040170		5410
200303040171		8460
200303040172		1250
200303040173		4640
200303040174		3620
200303040175		3880
200303040176		5560
200303040177		4950
200303040178		2920
200303040179		670
200303040180		1070
200303040181		1090
200303040182		970
200303040183		360

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Date : 18-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034388

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040184		190
200303040185		150
200303040186		880
200303040187		3420
[illegible]03040188		3310
200303040189		2760
200303040190		1330
200303040191		3830
200303040192		>10000
200303040193		6830
200303040194		4880
200303040195		3350
200303040196		2590
200303040197		2610
200303040198		3000
200303040199		3790
200303040200		7000
200303040201		7290
200303040202		1410
200303040203		3820
200303040204		7080
200303040205		3760
200303040206		2460
200303040207		680
[illegible]303040208		1320
[illegible]0303040209		870
200303040210		410
200303040211		370
200303040212		320
200303040213		220
200303040214		420
200303040215		1100
200303040216		1630
200303040217		3800
200303040218		3070
200303040219		530
200303040220		130
200303040221		480
200303040222		3070
200303040223		2560

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VANCOUVER BC V6B 1P2

Date : 18-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034388

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040224		2400
200303040225		1480
200303040226		180
200303040227		140
[illegible]3040228		380
200303040229		1360
200303040230		730
200303040231		1900
200303040232		480
200303040233		280
200303040234		180
200303040235		3070
200303040236		5950
200303040237		2460
200303040238		2080
200303040239		3140
200303040240		3700
200303040241		2750
200303040242		590
200303040243		3530
200303040244		1600
200303040245		1970
200303040246		4480
200303040247		3470
[illegible]303040248		2420
[illegible]303040249		2190
200303040250		1820
200303040251		1320
200303040252		2360
200303040253		2610
200303040254		2250
200303040255		9390
200303040256		2570
200303040257		3560
200303040258		2180
200303040259		1730
200303040260		620
200303040261		900
200303040262		240
200303040263		160

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212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **TRUE NORTH GEMS**
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 18-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034388

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040264		100
200303040265		70

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TRUE NORTH GEMS
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

Date : 19-Sep-2003
Account: THR

CERTIFICATE VA03034389

Project : Regal Ridge

P.O. No:

This report is for 133 PULP samples submitted to our lab in North Vancouver, BC, Canada on4-Sep-2003.

The following have access to data associated with this certificate:

BERNIE GABOURY	DAVID GABOURY	BONNIE PEMBERTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
F-ELE81	Fluorine - Fusion/ Electrochem

To: **TRUE NORTH GEMS**
ATTN: BONNIE PEMBERTON
601-602 W HASTINGS ST
VANCOUVER BC V6B 1P2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

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TRUE NORTH GEMS
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Date : 19-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034389

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040266		2230
200303040267		3350
200303040268		4020
200303040269		6130
03040270		>10000
200303040271		2840
200303040272		3190
200303040273		2940
200303040274		4070
200303040275		3890
200303040276		2640
200303040277		3320
200303040278		>10000
200303040279		8660
200303040280		6960
200303040281		5000
200303040283		6150
200303040284		3950
200303040285		4590
200303040286		3660
200303040287		3470
200303040288		690
200303040289		530
200303040290		990
303040291		930
303040292		1050
200303040293		1260
200303040294		3120
200303040295		3400
200303040296		6380
200303040297		6280
200303040298		3280
200303040299		2310
200303040300		2090
200303040301		2450
200303040302		2630
200303040303		1650
200303040304		1380
200303040305		2890
200303040306		4920

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Date : 19-Sep-2003
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Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034389

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040307		3580
200303040308		3540
200303040309		6360
200303040310		4740
200303040311		3210
200303040312		4220
200303040313		4450
200303040314		6870
200303040315		4800
200303040316		4350
200303040317		3640
200303040318		350
200303040319		970
200303040320		2040
200303040321		2720
200303040322		3850
200303040323		7120
200303040324		5900
200303040325		3420
200303040326		2380
200303040327		1910
200303040328		1130
200303040329		860
200303040330		690
200303040331		780
200303040332		40
200303040333		840
200303040334		750
200303040335		1180
200303040336		1560
200303040337		800
200303040338		100
200303040339		370
200303040340		470
200303040341		700
200303040342		1350
200303040343		2720
200303040344		3330
200303040345		2640
200303040346		4330

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VANCOUVER BC V6B 1P2

Date : 19-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034389

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040347		2160
200303040348		630
200303040349		2100
200303040350		2790
03040351		3270
200303040352		1990
200303040353		3250
200303040354		1710
200303040355		1060
200303040356		1480
200303040357		1410
200303040358		130
200303040359		130
200303040360		70
200303040361		100
200303040362		120
200303040363		50
200303040364		130
200303040365		150
200303040366		330
200303040367		580
200303040368		900
200303040369		870
200303040370		2650
0303040371		2320
200303040372		2390
200303040373		1370
200303040374		260
200303040375		200
200303040376		120
200303040377		580
200303040378		130
200303040379		870
200303040380		790
200303040381		60
200303040382		50
200303040383		1190
200303040384		1130
200303040385		1480
200303040386		1040

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VANCOUVER BC V6B 1P2

Date : 19-Sep-2003
Account: THR

Project : Regal Ridge

CERTIFICATE OF ANALYSIS VA03034389

Sample Description	Method Analyte Units LOR	F-ELE81 F ppm 20
200303040387		1730
200303040388		2150
200303040389		2950
200303040390		3450
`03040391		1600
200303040392		4150
200303040393		3510
200303040394		2050
200303040395		3320
200303040396		3790
200303040397		2370
200303040398		710
200303040399		240

APPENDIX F - DIAMOND DRILL LOGS

DDH03 -01
Az 122
Dip -45
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	1.52			Casing
1.52	12.15	Chlorite Schist:		minor qtz veins/lenses throughout (mm-1cm thick)
				fine gr, mod to strongly foliated
				1-2% qtz stringers
				phlog tr. - 5% in blebs and stringers
		3.32	3.42	Qtz/tourm vein w/ 30% tourm no alt'n of host rock
		5.95	6.95	increase in phlog up to 5%
		6.95	7.01	strong tourm alt'n,
				limonite, musc
				alt'n w/ minor broken qtz veinlets and rubbly core
		3.50		fol 40 deg to CA
		6.50		isoclinal folding throughout- nose of fold
		7.01	8.30	strong tourm/phlog alt'n w/ tourm replacement
				bands // to fol up to 1cm thick
				stronger foliation w/ crenulation
				7.20-7.48 10% tourm
				fol 35 deg to CA 7.3
				8.2-8.3 increase med gr musc 2-3%
		8.33	9.29	Qtz/tourm vein w/ 30% tourm no alt'n of host rock
				5% tourm w/ stringers/ blebs
				relic frag chl sch
				tr mounts Jarosite fracture coatings in qtz
				upper and lower contacts irregular and @ high angle to CA
				most likely SW vein
		9.29	9.57	tourm/phlog alt'n as above qtz/tourm vein
		9.57	10.10	phlog alt'n
		10.10	11.30	chl sch
				white phenocrysts/feldspar amygdoules , mm in size
				qtz/carb fracture veinlets
		11.30	12.15	less fol
				mod sil chl sch
		12.00		1 cm qtz vein w/ cross cutting qtz/carb fracture veinlets and cross cut by qtz/tourm veinlet // to fol
				fol 35 deg to CA
				the two veins appear to be coeval
12.15	33.53	Amygdoule Chl Sch		qtz stringers
		12.15		feldspar porphyorblasts in chl sch
		12.80	13.25	abundant epidote alt'n w/minor irregulat veinlets of aplite up to 1 cm thick
		13.50		fol 60 deg to CA
		13.82		4 cm qtz vein

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
				1% tourm alt'n at vein boundaries
		13.82	14.84	abundant tourm alt'n in blebs and stringers
				minor epidote alt'n
				14.45-14.65 fine -med gr aplite veinlets crosscutting stock work veinlets
		15.15	16.25	increase in phlog, slight increase in tourm 1-2% stringers
		16.25	17.53	tourm rich alt'n sone upto 50%
				limonite stained musc @ 16.45
				16.40-16.70 qtz 25%
				minor sheelite
				17.00-17.53 strong musc/phlog alt'n
				musc, phlog, tourm schist
				2 cm qtz veins on upper and lower contact
		17.90		minor blebs of cpy
		18.00		fol 45 deg to CA
		20.68	21.00	qtz vein 3 cm @ top with tourm rich alt'n zone; minor limonite/course musc
		21.33	24.80	tourm replacement veins w/ minor qtz belbs throughout
				occasional qtz veinlets up to 3 cm @ 22.25
				22.20-22.60 30-40% tourm replacement // to fol
				22.60m aplite veinlet 1 cm
				24.30-24.80m 30-40% tourm replacement // to fol
		26.68	28.95	phlog rich chl sch with strongly folded crenulated fol
				minor qtz/tourm vein @ 28.13-28.18
		29.30	30.50	up to 1cm thick carb +/- selinite fracture vein w minor crosscutting stockwork veinlets
				carb veinlets sub // to CA
		30.00	30.12	aplite vein frag sub // to CA crosscut by carb veinlet, irregular contacts
		32.42	32.68	qtz vein
				minor limonite stain/ minor musc @ upper contact
		32.68	33.33	25% belbs of tourm sub // tp fol
				decreasing tourm to 33.00m
		33.00	33.53	3-5% tourm
				fol 43 deg to CA
		33.53		E.O.H.

DDH 03-02
Az 122
Dip -83
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	0.90	overburden		
0.90	2.13	Diabase Dyke		black fine gr diabase dyke
				igneous rock?
				rusty jarosite stained qtz vein/blebs 1-3cm
				small xtals...cryptocrystaline
				1.50-1.70 epidote blebs w/ possible chl frags
2.13	4.48	phlog rich chl sch		fine grained mod - strong foliation
				2.74-4.48 stretched/smeared rusty phlog grans 1mm-5mm
				minor qtz stringers
				fol 45 deg to CA @ 3.10m
4.48	5.48	Meta sed		possible meta sed
				micro folds..tihgt
				4.48 increase in tourm
5.58	30.17	Chlorite Schist		
		5.48	5.78	qtz tourm vein in chl sch
				5% tourm
				40% qtz
				qtz coated in rust/ limonite
		5.78		increase in mica- musc 1-2%
		6.26		increase in mica- phlog 2-3%
				strong tourm/phlog alt'n, w/ tourm replacement present
		7.86		fol 43 deg
		7.98	8.58	Qtz/tourm vein probably SW vein
				20% tourm
				limonite in fractures
				upper contact sharp at 67 deg
				lower contact sharp at 55 deg
		8.58	8.98	tourm/phlog alt'n
				10% tourm , 5-10% phlog
		10.15		bleb of cpy
		10.20	10.24	malichite fracture coating
		10.39	10.41	bleb of epidote
		11.01	11.08	qtz vein
		11.22	11.96	tourm/phlog; qtz blebs/veins 1-3 cm and irregular
				5-10%tourm
				10% phlog
		11.96	12.00	Qtz/tourm vein probably SW vein
				decrease phlog <1%

DDH 03-02
Az 122
Dip -83
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		12.35		decrease in tourm <5%
		12.95	13.49	blebs of epidote w/ chl frag
				qtz veins/ blebs mm-2cm
				minor carb
		14.74	14.85	aplite dyke
				contacts sharp about 85 deg
				boundaries/contacts/salvages contain tourm grading into feldspar into aplite
				minor limonite in qtz
		16.23		carb filled fracture surface
		16.90		increase tourm
		17.37	20.28	tourm/phlog alt'n
				limonite staining present esp along fracture surfaces
				18.60m increase musc
				alt'n present but no qtz
				19.72-19.87 clay/ fault gouge
		21.32		fol 87 deg to CA
		21.79		increase tourm replacement 5%
		21.94	22.70	qtz veining/blebs in chl shc 1-5 cm
				limonite present
				minor epidote
		22.90	22.40	increase mica: 2% musc, 5% phlog
		25.81	26.69	increase tourm/phlog alt'n 5% tourm 5 % musc/phlog
				26.25-26.30 small qtz/tourm vein /bleb
				26.30-37.42 limonite altered wsp in fracture surface
		26.69	27.11	qtz/tourm vein with tourm/phlog/limonite alt'n
		27.11	27.58	tourm/phlog alt'n same as above
		30.17		E.O.H.

DDH03-03
Az 122
Dip -45
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	2.13	Casing		
2.13	4.37	phlog chl sch		green grey phlog chl sch
				mod - strong fol
				minor qtz blebs throughout
				tourm blebs and replacement throughout
				55 phlog as stringers and blebs; stretched lenses 1-2mm
				limonite as fracture filling
		2.12	2.36	qtz/tourm vein
				limonite present in qtz fractures
				tourm-massive and xtal from 10-15%
				minor carb present <5%
		4.12		fol 59 deg to CA
4.37	33.83	mica chl sch		light grey/green
				qtz amygdoules and some lith clasts, possible volcaniclastic protolith
				qtz and qtz/tourm veining with minor carb
				mod to stron g fol
				amygdouldes possible qtz, roundet to stretched
				lenses of qtz 1-5mm
				some lenses/amygdoules stretched, forming strong foliation
				some relic/ghost blebs of unknown lithology, light coloured
				lithic clasts mm-1cm usually green/grey and unknown origin
				minor sulphides present < 1% throughout (py)
				epidite blebs present throughout 1-5cm
				tourm/mica (phlog >5%, musc 1%, > 1% biotite)
				some limonite fracture coating
				qtz veins 1cm-12 cm
				qtz/tourm veins 6-42 cm
				rusty mica alt'n throughout
		5.95		fol 55 deg to CA
		8.69	8.84	tourm/phlog alt'n
				1-2 % phlog
				3% tourm
		8.84	9.24	qtz/tourm vein
				15%qtz, 55 tourm, limonite in fracture
		9.24	9.40	tourm/phlog alt'n as above
		10.10	11.60	tourm/phlog alt'n w/ tourm replacement
				tourm 15%/ 5%phlog
				10.36-11 broken core

DDH03-0[illegible]-03
Az 122
Dip -45
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
				11.00-11.49 50% core loss
				limonite in fractures
		11.60	12.03	qtz/tourm vein
				20% tourm
				some minor jarosite
				upper contact- indeterminant contact because of rubbly core
				lower contact sharp at about 79 deg to CA
				limonite @ fracture @ lower contact
				most likely SW vein
		12.03	12.10	tourm/phlog alt'n as above
		14.69		fol 55 deg to CA
		14.75	15.00	clay gouge in fractures
		16.26	16.43	increase in phlog to 7%
		16.50		minor bitite
		16.57		sulphides > 1% py/cpy
		19.15		>1% cpy/py
		19.50	19.90	tourm/phlog alt'n
				tourm replacement; tourm blebs 15-20%
				5% tourm, 1% musc, >1% botote
				limonite present
		19.90	20.05	Qtz/tourm vein
				5-10% tourm in veins and blebs
				limonite fracture of lower contact
				upper contact weakly undulating
				lower contact weak to mod undulating
				qtz rusty stained
		20.05	21.10	tourm/phlog alt'n
				15% tourm in blebs and in bands // to sub// to fol, fol 60-70 deg to CA , up to 1 cm thick
				minor qtz veins/blebs 1-1.5 cm
				limonite in fractures
		22.90	23.40	increase in phlog to 5%
				23.00 fol 50deg to CA
		23.80	24.30	clay gouge fracture filing
		26.31	26.41	increase in phlog to 5%
				26.31 fol 65 deg to CA
		28.98	29.03	qtz vein w/ margins of tourm
				tourm 1% in qtz vein
				upper and lower contacts sharp at 63 deg to CA

DDH03-03
Az 122
Dip -45
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
				fine to med grey to white qtz
		29.59	29.69	qtz vein
				phlog/tourm alt'n 5 cm on either contact
		30.14	32.31	tourm/phlog alt'n minor
				30.14-30.91 m 15% tourm, 3% phlog
				heavy limonite esp in fracture (5%)
				30.91-32 increase in phlog to 5% decrease tourm to >5%
				32.0-32.1 increase in tourm to 5% decrease in phlog >5%
		33.07	33.13	qtz/tourm vein with little to no alt'n
		33.17	33.38	qtz/tourm vein with little to no alt'n
		33.73		E.O.H.

DDH03-04
Az 122
Dip -83
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	1.52	Casing		
1.52	4.25	Diabase Dyke?		fine gr grey green cryptocrystaline , igneous rock
				weak to no foliation
				tourm replacement
				qtz veining/blebs 1-3 cm 2%
				epidote blebs present throughout
				mm ghost blebs of unknown lithology
				phlog present > 1%
				minor tourm >1%
4.25	4.73	phlog rich chl sch		grey green phlog rich chl sch as described in the previous logs
				mm-5mm rusty phlog lenses 1%
4.73	32.00	phlog chl sch		green grey phlog chl shc with qtz amuygdoules mm-5mm
				possible lith frags
				qtz veining and blebs throughout up to 4 cm wide
				tourm replacement in blebs and veins // to fol
				epidote blebs throughout
				sulphides throughout >1%py/cpy posible po
				mod foliation
		5.90		fol 70 deg to CA
		6.57	6.85	alt'n tourm/phlog in chl sch
				2% tourm, 1% phlog
		6.85	6.95	qtz/tourm vein
				10% qtz; 5% tourm
				upper/lower contact irregular
		7.04	7.25	qtz/tourm vein
				20% tourm
				upper/lower contact irregular
				fracture filled with limonite
		7.25	7.97	tourm/phlog alt'n as above
				epidote blebs throughout
		8.86	9.14	qtz/tourm vein probably SW vein
				15% tourm
				limonite along fractures
				upper contact sharp at 70 seg to CA
				lower contact undulating
		9.14	10.09	tourm/phlog alt'n as above
		10.09	12.62	increase phlog to 5%
		13.18		fol 63 deg to CA

DDH03-04
Az 122
Dip -83
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		13.28	13.32	phlog/tourm alt'n
				5% tourm, 5% phlog
		13.32	13.70	Qtz tourm vein
				tourm 10%
				contacts: upper sharp 60 deg to CA; lower undulating
				limonite @ both contacts
		13.70	13.95	tourm/phlog alt'n as above
		15.10	15.58	increase in phlog 5-10%
				15.24 fol 85 deg to CA
		16.83	17.59	increase in phlog 5%
		18.11	18.19	tourm/phlog alt'n as above
		18.19	18.35	qtz/tourm vein w/ feldspar possible orthoclase along salvage
				grey to white in colour, fine to med gr qtz
				limonite in fracture
				5% tourm, musc <3%
		18.35	18.47	tourm/phlog alt'n <5% tourm, 5% phlog
		22.30		fol 60-65deg to CA
		22.60		fold with tourm replacement
		25.60	25.91	tr botite
		26.80	27.32	tourm/phlog alt'n
				5% tourm, 10% phlog
				limonite along fractures
		27.32	27.39	qtz/tourm vein in chl sch
				10% tourm, 40 % qtz
				contacts undulating and irregular
		27.39	28.36	tourm/phlog alt'n as above
		29.62	30.25	qtz blebs/veins with minor tourm <5% in tourm replacement
				minor phlog alt'n
	32.00			E.O.H.

DDH03-05
Az 122
Dip -55
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	9.14			clay, fault gouge, rubbly and broken core, lithology varies and is at times undeterminable but chlorite/rusty schist
9.14	37.49			chlorite schist, green grey. Phlo chlorite schist with phlo from 1%-10%, concentrated amounts of quartz amygdules throughout section. Biotite <1% in concentrated areas, quartz veins/blebs throughout, size from ~1mm-4cm, tour/phlo alteration concentrated throughout
		10.42	11.00	rubbly broken core, minor clay fault gauge
		11.03	11.19	qtz-tour vein, 10% tour, contact is irregular, tourmaline along contacts, limonite along contacts and in fractures in vein
		11.43	11.58	qtz-tour vein, milky qtz with grey. Chlorite schist to milky qtz to grey qtz to tour to grey qtz to milky qtz to chlorite schist. Tour <5%, limonite on fracture surfaces, fol 60% to CA lower contact and upper contact
		11.57	12.74	inc in phlo - fol 60% to CA 5-10%
		12.74	13.74	inc in tour 5%
		13.30	14.33	rusty qtz veins parallel to CA, 1/2cm cuts small 1mm size rusty qtz veins not parallel to CA
		13.74	14.50	inc in phlo to 10%
		14.50	15.72	tour phlo alt, 5% tour, <5% phlo, limonite fracture surfaces ~5%
		15.72	15.86	qtz tour vein, qtz veining <2cm parallel to major vein, 15% tour, probably SW vein, limonite on fracture surfaces, contacts are irregular
		15.86	16.55	tour phlo alt, 5% tour, <5% phlo, limonite fracture surfaces ~5%
		17.06	17.60	limonite altered zone, particularly on fratured surfaces, 10-15% limonite
		20.00	20.37	tour alt, 15-20%
		20.83	21.14	inc in phlo, 5-10%
		22.08	22.25	clay fault gauge, rubbly core
		22.29	22.74	qtz vein with chlorite rafts, 15% rafts, irregular contacts - 2 generations of qtz-milky and grey. No other mineralization in the qtz
		23.55	24.00	inc in phlo to 5-10%
		24.15	25.43	tour alt 5-40%
		27.36		fol 60 degrees to CA
		30.70	31.50	tourm alt, 10-15%
		32.43	32.65	limonite alt, 10-15%, alt mainly on fracture surfaces
		35.52	35.91	qtz veining in chlorite schist qtz veins 3-6cm, very irregular contacts
		37.49		EOH

DDH03-06
Az 122
Dip -75
Logged By: Twila Skinner

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	2.44			casing
2.44	35.05			green grey chlorite schist, phlo chlorite schist. Qtz stringers (1mm-2cm) throughout <1%-~10%, poor to strong foliation ~60 deg to CA, phlo present to lesser and greater degrees, tour alteration in concentrated areas, limonite alteration in concentrated areas, 3 qtz-tour veins, several areas of clay fault gauge and rubbly core - some amygdules in concentrated areas
		6.87	7.63	tour alteration, 10-15%, predominantly found as blebs, tour alteration is cross cut by qtz stringers, qtz stringers have cavities allowing crystal growth <1cm
		7.63	7.83	clay fault gauge, rubbly core, some limonite alteration ~10%
		9.64	9.94	tour alteration, 20-30%, still cross cut by qtz stringers
		9.94	10.63	qtz-tour vein, contacts are irregular with phlo alteration more on bottom than top, tour selvages, felted, massive tour in qtz, 70% tour, qtz 80-90% grey, remaining milky, some limonite alteration along fractures <5%
		10.63	10.74	phlo and limonite alteration, 30% phlo, 10% limonite
		10.74	11.65	tour alteration, 15-20%, tour occurs mainly as blebs, cross cut by qtz stringers, <2% qtz stringers
		11.75	12.25	clay fault gauge, rubbly core, minor limonite alteration <5%
		13.25	13.75	inc in phlo 5-10%
		13.75	13.87	qtz-tour vein, uneven contacts, felted tour selvages, limonite and phlo alteration right at selvages 5% limonite, 10% phlo, milky qtz on outside of vein, grey qtz at centre, 40% tour in vein, typically in felted flat masses
		13.87	15.42	inc in phlo 5-10%
		14.85	15.42	inc in limonite 10-15%, moderately broken core, limonite predominantly on fracture surfaces
		15.77	16.16	tour in 1cm size veins, "O" shape on side of core - fold trace?
		16.52	16.76	tour and limonite alteration, 10% tour, 5% limonite, limonite predominantly on fracture surfaces
		20.00	21.10	tour and limonite alteration, 10% tour, 5% limonite, limonite predominantly on fracture surfaces
		21.10	21.22	limonite altered qtz-tour vein, uneven contact, faulted tour selvages, ~30% tour in vein, 5-10% limonite
		21.22	21.58	clay fault gauge, rubbly core, some tour and phlo, very soft
		23.64	23.97	tour alteration, 30-40%, felted masses, ~5% phlo, fractured to rubbly
		25.22	34.28	clay fault gauge, rubbly core, chlorite schist some amydules oberved, lots of qtz stringers <1-10%, some limonite alteration in concentrated areas, sections of competent rock
		35.05		EOH to 15cm

DDH03-07
Az 122
Dip -55
Logged By: Andrea Cade

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	0.90			casing
0.90	37.49			green grey tour phlo chlorite schist, some qtz amygdules in concentrated areas, qtz stringers throughout (1mm-2cm), cut tour alteration, some areas of rubbly core and fault gouge, some fracture surfaces are coated in clay, foliation 50-60 degrees to CA, some areas of limonite alteration and coating
		0.90	3.63	clay on fracture surface
		3.63	4.00	fault gouge, broken core, inc limonite 5-10%, clay on fracture surfaces
		4.13	5.48	inc limonite ~5%, particularly on fracture surfaces
		5.48	5.62	tour alteration 5-10%, predominantly as blebs
		5.62	5.84	qtz-tour vein, tour selvages, little tour in vein ~5%, predominantly grey qtz 95% milky qtz on contacts and as rafts
		5.84	5.96	phlo and tour alteration 10% phlo, 10% tour
		5.96	6.22	qtz tour vein, tour selvages, tour in vein ~50% of vein, ~1cm of limonite altered quartz on bottom contact, contacts fairly sharp, mostly grey qtz, some small milky qtz stringers
		6.22	6.28	tour, phlo, alteration, 20% tour, 10-15% phlo
		6.68	7.05	milky to white qtz vein, some limonite alteration ~5% patchy, some chlorite schist rafts and bodies ~15% of vein, some tour on bottom contact - felted masses, contacts sharp but uneven
		7.05	7.15	tour alteration 15-20%, felted masses - elongated
		8.12	12.88	fault gouge, rubbly core, most pieces <2cm some to 15 cm, clay on fractured surfaces, some of core mostly degraded to clay, some areas of limonite alteration ~10-15%, some areas of tour alteration 10-15%
		15.86	16.10	clay on fracture surfaces
		16.10	18.76	rubbly core, fault gouge, clay on fracture surfaces, limonite alteration throughout ~5-10%, tour alteration in concentrated areas 5-40%
		19.02	20.27	tour alteration 15-30%, felted elongated masses
		27.68	28.40	tour alteration 10-15%, felted elongate masses
		28.40	28.81	qtz tour vein, 10-15% tour, mainly grey qtz
		28.81	29.29	tour alteration 15-20%
		37.49		EOH

DDH03-[illegible]-08
Az 122
Dip -75
Logged By: Andrea Cade

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	1.00			casing
1.00	35.05			green grey tour phlo chlorite schist, tour alteration in concentrated areas, limonite alteration in concentrated areas, fault gouge/rubbly core on meter scale, some qtz stringers <5mm ~ <2%, 0.5mm-4cm ~ 3%, qta stringers cross cut tourmaline alteration, some areas of remnant amygdules 5-10 cm, foliation weak to strong - typically 60
		1.19	1.36	qtz vein with chlorite schist rafls and slices ~10%, predominantly grey qtz ~95% to 5% white qtz
		3.30	4.50	inc limonite and tour alteration, 5-10% limonite, 5-15% tour, clay on fracture surfaces
		4.74	6.00	inc tour alteration 5-15%
		7.22	8.07	inc tour alteration 30-40%, alteration occurs as blebs, alteration cross cut by qtz stringers with cavities allowing crystal growth ~2%, limonite on fracture surfaces
		8.37	8.64	inc tour alteration blebs ~10%
		8.64	8.74	qtz vein, sharp, irregular contacts, predominantly grey qtz 95%, white qtz cross cuts grey qtz, some limonite
		8.74	9.12	tour alteration 20-30%, some limonite alteration 5-10%
		11.73	20.10	fault gouge, rubbly core, ~50% <1cm, 50% 1-15cm, areas of limonite alteration 30cm-200cm, 10-15%, areas of tour alteration 30-40%, clay on fracture surfaces, qtz stringers throughout some with cavities <5-30%, 13.88 fault breccia somewhat consolidated, 14.30-14.56 epidote alteration? greener than rest of rock, tour also occurs in
		25.85	26.05	inc limonite alteration 5-10%, predominantly fracture surfaces
		27.02	27.63	inc tour alt, 10-15%, occurs as blebs, some amygdules to 8mm
		27.63	27.75	qtz tour vein 10-15 tour, irregular contacts, tour selvages 1-2cm, some limonite alteration ~5%
		27.75	28.30	inc tour alteration 15-20%, occurs as blebs, 5-10% limonite alteration
		30.74	30.84	heavily fractured FD 90-100%, clay on fracture surfaces
		35.05		EOH

DDH03-09
Az 122
Dip -90
Logged By: Andrea Cade

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0.00	2.44			Casing
2.44	135.68			green grey tourmaline phlogopite chlorite schist
				areas of limonite alteration 3-15% up to 2mm, particularly on fracture surfaces
				quartz stringers throughout <1-10%, xcut tourm alt
				tourm alt 1-30%, occurs primarily as blebs or elongated masses, sometimes felted
				phlogopite throughout 1-10%, often defines foliation
				foliation typically 55-65 degrees from CA
				some area of fault gouge/rubbly core
				some areas of clay on fracture surfaces
		3.50	4.92	increase in tourm and lim alt
				15-20% tourm, 5-10% lim
				tourm occurs pred as felted masses along fol.
		6.72	7.90	increase in lim 5-10%
		7.90	8.43	fault gouge/rubbly core
				remnants of what appear to be a qtz vein ~10-12cm in core length
		12.19	13.38	increase in lim 5-10%
		13.97	17.95	inc tourm alt 10-20%
				predom as felted masses along fol, also as blebs
				also inc in qtz stringers and phlog
				5-7% qtz stringers to 1mm-3cm, larger assoc with tourm, smaller xcut tourm alt
				3-5% phlog - often defining fol
		17.95	28.51	phlog 3-5% defining fol
		22.55	26.85	clay on frac surfs to 4cm in thickness
		28.51	39.42	inc in qtz stringers, dec in phlog
				phlog 1-2%
				qtz 5-10%, 1mm-3cm in core thickness
				some tourm alt but minor <5%
		38.35	38.95	inc in tourm 10-15%
				blebs and elongated masses
		38.95	39.10	qtz vein, some tourm ~10%
				sharp, fairly even contacts
				some lim alt ~5%
		39.42	41.45	inc tourm and phlog 5-10% tourm, 3-5% phlog
		40.00	40.15	qtz tourm vein
				fault gouge/rubbly core

DDH03-09
Az 122
Dip -90
Logged By: Andrea Cade

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		41.45	43.51	fault gouge/rubbly core
		44.37	46.38	epidote alt
				occurs as bands, assoc with qtz
		48.53	50.77	tourm alt as dense, bleb-like masses
		54.14	54.35	qtz carbonate vein 2-6mm || to CA
		62.18	62.23	tourm alt
				thick felted masses 5-50%
		62.23	62.39	aplite vein
				tourm-feldspar-musc-qtz aplite
				contacts sharp with tourm selvages
				fined grained with larger stringers of grey qtz 2-10mm
				almost pegmatite texture
		62.39	62.42	tourm alt 20-30%
				narrow bands 2-3mm
		63.74	72.00	tourm phlog alt
				5-10% tourm - predom bands
				3-5% phlog - often defining fol
		72.00	79.24	flecky tourm alt
				smallish (3-6mm) tourm xtls
				mod lineation defining foliation
		79.24	79.62	felted tourm alt 5-40%
				odd squiggly shapes
				pyrrhotite 2-3%
		79.62	79.98	tourm phlog alt
				5% tourm, 5% phlog
				both are flecky and somewhat aligned to foliation
		79.98	80.28	pyrrhotite to 80%
				in tourm quartz chlorite schist
				fairly massive
		80.28	81.85	tourm phlog alt
				5% tourm, 5% phlog
				flecky somewhat aligned to fol
		81.43	82.25	elongate, strained qtz grains
		82.25	83.14	tourm phlog alt
				20-30% tourm, 10-15% phlog

From	To	From	To	Description
				tourm in elongate bands and sprays
				phlog intergrown with tourm in flatish layers
		83.68	84.12	plag phenocrysts to 2mm
				still squarish
		84.45	88.57	phlog tourm alt
				phlog 10-40% tourm 20-60%
				flecky to thick masses and sprays
				qtz veining to 10cm with some lim alt
		90.60	92.25	flecky tourm and phlog alt
				10-15% for both
				coarse grained
		94.84	99.49	inc in qtz veining 1mm-20cm
				some minor lim alt
				no other assoc min or alt.
		108.43	112.14	epidote alt
				2-5%, predom as blebs
		118.87	128.40	qtz veining 0.5-20cm
				0.3-2m apart
				minor tourm
				121.94-122.13 some rusty staining on qtz
		135.68	135.70	contact between chlorite schist and intrusive porphyry
				fault gouge
135.70	144.78			intrusive biotite kspar porphyry
				chl sch fragments in porphyry near contact
				fine-grained light to dark grey ground mass
				kspar - unaltered white to pink to heavily altered brown
				some areas of hydrothermal alt
				common opal and some gossan
144.78				EOH

DDH03-10
Az 330
Dip -48
Logged By: Warren Robb

True North Gems Ltd
Diamond Drill Hole

From	To	From	To	Description
0.00	2.60			casing
2.60	16.90			Massive green to grey Chlorite schist
		2.70	2.80	Quartz vein 1cm true width small tourlamine selvidge, core angle 50 degrees core very broke
		2.90	2.93	Quartz vein core very broken and fractured
		3.34	3.35	Quartz sweat
		3.40	3.41	Quartz sweat
		3.48	3.49	Quartz sweat
		3.81	3.83	Quartz sweat
		4.00	4.10	Sheared chlorite schist talc formed on shear planes, core very broken
		4.20	4.30	Microveinlet talc formed along fractures core angle 40 degrees
		4.30	4.33	Quartz sweat
		4.42	4.46	Quartz sweat
		4.87	4.90	Quartz sweat
		5.50	5.53	Quartz sweat
		5.71	5.80	Quartz sweat core angle 50 degrees
		6.57	6.60	Quartz sweat, core angle 60 degrees
		6.67	6.69	Quartz sweat
		6.72	6.73	Quartz sweat
		7.83	8.00	1cm Quartz vein small pocket of tourlamine on footwall contact core angle 30 degrees
		8.27	8.30	massive tourlamine pocket containing microfold talc formed on fractures
		8.60	12.00	very broken and fractured schist talc formed along fracture planes
		13.80	15.48	sheared gougy Chlorite schist poor core recovery extremely broken and fractured talc on fractured surfaces
		15.48	15.55	8 cm Quartz vein altered envelope of muscovite on footwall, tourlamine on hanging wall
		16.00	16.46	extremely sheared chlorite schist talc on fractures recovery les than 30 percent
		16.46	16.90	wispy tourlamine occuring in micro quartz veinlets
16.90	17.98			extremely altered and sheared brown schist abundant muscovite sericite with pockets of massive tourlamine,grades into gouge from 17.80 to 17.98
17.98	18.08			Quartz vein rusty with muscovite sericite selvidge on hanging wall, core very broke and fractured
18.08	18.20			extremely altered and sheared brown schist abundant muscovite sericite with pockets of massive tourlamine
18.20	18.90			Dark green to black chlorite schist contains abundant tourlamine with rusty muscovite and sericite alteration occuring along cracks and fractures
18.90	23.10			massive grey to green Chlorite schist
		19.90	20.00	fault gouge
		20.60	20.70	1 cm quartz sweat? Vein acore angle 50 degrees
		20.70	21.00	series of quartz sweats and carbonate infilling fracture surfaces contain abundant talc
		21.15	21.50	fractured chlorite schist with talc formig along fracures

DDH03-10
Az 330
Dip -48
Logged By: Warren Robb

True North Gems Ltd
Diamond Drill Hole

From	To	From	To	Description
		22.25	22.50	broken fractured brown altered chlorite schist weak muswcovite and sericite developed along fracture surfaces
		22.80	23.00	sheared chlorite schists talc developed along fracure planes grading to gouge at 23.00
23.10	23.60			Extremely altered brown to black chlorite schist with wispy micro veinlets of Quartz and quartz sweats pervasive muscovite sericite phlogophite ? Developed parallel to fabric tourlamine formed along contacts with quartz
23.60	23.70			Quartz vein, massive abundant muscovite and carbonate formed along fratues potion of vein minor tourlamine on footwall contact
23.70	25.00			Extremely altered brown to black chlorite schist abundant tourlamine, muscovite sericite limonite and talc developed along fractue planes and along quartz sweats
25.97	26.01			2cm wide massive tourmaline vein core angle 60 degrees
26.05	26.21			3 parallel tourmaline veins up to 4cm wide muscovite on fractured surfaces
26.21	36.27			Dark green to black altered chlorite schist with abundant tourlamine, quartz sweats and fracture filling fractures contain muscovite and limonite
		26.40	26.50	fault gouge
		26.53	26.63	quartz sweat
		26.63	26.90	fractured schist
		27.22	27.25	.5 cm fracture fill with muscovite
		27.50	27.58	Quartz sweat
		28.80	28.90	fractured schist with muscovite formed along fracture surfaces
		32.70	32.75	fractured quartz vein
		33.10	33.20	fault gouge of muscovite and sericite
		33.20	33.59	Altered black schist pervassive tourlamine contains abundant microveinlets of quartz and muscovite
		33.59	33.80	Quatz sweat with pervasive tourlamine
		34.75	36.00	zone of quartz flooding, quartz occurs as sweats and fracture infilling contains pervassive tourlamine occasionaly massive, muscovite sericite on fracture surfaces
36.00	36.27			fault contains gouge of muscovite, swericite
36.27	38.10			Massive grey to green chlorite schist
				EOH

DDH03-1
Az 0
Dip -90
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0	2.5			Casing , Overburden
0	13.56			massive greenish grey chlorite schist
		2.50	4.80	core very borken and fractured, *recovery 99% fracture density 0.25*
		4.80	4.89	qtz vein, weathered,containgouge of unaltered greenschist through it, 70deg to core axis
		6.00	6.03	0.5cm qtz vein, 80 deg to core axis
		7.48	7.68	zone of qtz sweats w/ inter layer tourmaline weakly alt'd w/ rust on fractures
		7.88	8.23	zone of qtz sweats (vein?), highly fractured and broked core, frac density 0.25, highly weathered muscovite and carbonate on fracture surfaces
		8.56	8.58	tourmaline vein, 70 deg to core axis
		8.61	8.63	tourmaline vein, 60 deg to core axis
		8.65	8.67	qtz sweat
		8.71	8.72	tourmaline vein, 50deg to core axis
		8.72	8.90	sheared talcy chlorite, some gouge on footwall
		9.27	9.30	qtz sweat
		9.45	9.48	qtz sweat
		9.56	9.58	qtz sweat; *from 6.10-9.75 core recovery 100%, FD 19/3.65*
		9.94	9.96	qtz sweat
		10.35	10.40	qtz sweat
		10.51	10.56	qtz sweat
		10.56	10.80	weakly sheared chlorite schist, talcy on shear planes
		11.12	11.14	quartz sweat
		11.66	11.67	quartz sweat
		11.75	11.86	wispy quartz micro veins
		12.16	12.32	series of quartz sweats weakly altered , tale of broken surfaces
		12.50	12.50	quartz sweat
		12.86	12.89	quartz sweat
		13.14	13.15	Tourmaline enveloping 1mm qtz vein
		13.24	13.26	Massive Tourmaline selvage, hanging wall
		13.26	13.26.5	0.5cm Qtz vein core < 90 deg
		13.56	13.90	Tourmaline altered chlorite schist abundant quartz sweats and weak stock work of quartz micro veinlets, muscovite formed along quartz infilling and along fracture planes
		13.90	13.95	quartz sweat with wispy Tourmaline
		13.95	14.00	Tourmaline altered chlorite Schist
		14.00	14.10	brown fault gouge
		14.10	14.20	quartz veins with pervasive tourmaline occur in wisps or patches
		14.20	14.28	Tourmaline alt'd chlorite schist muscovite occur along fractures and micro veins
14.28	17.37			massive greyish green chlorite schist; *recovery 100% ; fracture 30/3.0m*
		17.12	17.32	0.7cm wispy qtz veins core < 0 deg

DDH03-1
Az 0
Dip -90
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
17.37	18.90			extremely broken and fractured chlorite schist; *core recovery 1m/1.53m ~ 60%*
18.90	19.30			Tourmaline alt'd schist very broken and fractured, some carbonate on fractured surfaces
19.30	19.46			Qtz vein, pervasive tourmaline occurring as wisps in vein and massive on salvages 70 deg to core axis
19.46	19.74			Tourmaline alt'd schist micro veinlets of quartz and carbonate rusty on fractures
19.74	20.40			Greyish green massive chlorite schist
20.40	21.20			Tourmaline altered schist contains sweats of qtz very rusty along fractures
21.20	21.30			fractured rusty qtz vein
21.30	23.40			Tourmaline alt'd schist contains abundant quartz sweats and stockworks of micro veinlets. Extremely rusty along fractures abundant muscovite occur in fractures and along fabric planes
23.40	24.17			Massive qtz vein contains pervasive wispy tourmaline, rusty along fractures, contains micro veinlets of carbonate
24.17	24.80			Tourmaline alt'd schist abundant qtz sweats and stockworks, rusty along fractures, same as 21.30-23.40
24.80	25.73			Greyish green massive chlorite schist; *recovery 100%, 8/1.28m*
25.73	26.08			weakly tourmaline alt'd schist
26.08	26.20			qtz vein wispy tourmaline very fractured
26.20	26.51			weakly tourmaline alt'd schist, very fractured, mucky muscovite sericite along fractured surfaces; recovery 100%, 10frac/.31m
26.51	30.00			greyish green chlorite; *frac density 51/4.49m*
30.00	31.30			highly sheared tourmaline alt'd schist, abundant muscovite, sericite and along shear planes; *poor core recovery 0.65/1.30, 50%, fracture density high*
31.30	32.00			Greyish green chlorite schist
32.00	33.35			tourmaline altered schist, same as 21.00-23.40; *recovery 99% 5 fractures/1.35m*
33.35	33.40			Qtz vein, massive rusty on cracks 80 deg to core axis
33.40	35.20			tourmaline altered schist same as 21-23.40
35.20	35.46			qtz vein wispy tourmaline throughout 80 deg to core axis
35.46	36.31			tourmaline alt'd schist same as 21-23.40
36.31	36.37			qtz vein
36.37	36.49			tourmaline altered schist same as 21-23.40; *from 32.00-37.50m recovery 99.8%*
36.49	37.50			greyish green chlorite schist; fracture density 15 fracture/1m
37.50	38.50			tourmaline alt'd schist sheared to gouge 32.00-38.10 and 38.40-38.50, *fracture density 100*
38.50	41.45			greyish green chlorite schist; *32/2.90m, recovery 100%*
				E.O.H.

DDH 03-12
Az 150
Dip - 55
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0	1.53			overburden
1.53	15.54			massive greyish green chlorite schist; contain micro qtz sweats
		1.53	2.13	core very weathered and broken to gravel
		2.13	5.70	core broken to <10cm pieces, very weathered 50frac/2.50m, recovery 2.00-2.50~80% core loss 5.64-5.70
		6.80	6.83	qtz sweat
		6.95	6.96	qtz sweat
		7.27	7.67	tourmaline altered schist enveloping qtz sweat@7.40
		8.05	8.07	small qtz sweats
		8.39	8.40	qtz sweat minor carbonate on fractures
		8.40	8.60	tourmaline alt'd schist enveloping qtz sweat from 8.50-8.60 muscovite, sericite formed along fracture surfaces
		8.90	8.91	qtz sweat
		9.21	9.44	weakly alt'd light green schist
		9.38	9.39	tourmaline veinlets
		9.40	9.42	sheared schist, abundant muscovite, sericite on shear plane 50deg to Core axis; *from 6.80-9.42 recovery 100%, fract density 21/4 meters*
		9.44	9.45	tourmaline vein
		9.72	9.73	qtz sweat
		9.76	9.77	qtz sweat
		9.88	9.90	3 small qtz sweats
		10.58	10.59	qtz sweat
		10.68	10.71	qtz sweat
		10.81	10.83	tourmaline patches
		10.84	10.87	qtz sweat
		10.96	10.97	qtz sweat
		10.39	10.40	qtz sweat
		10.60	10.61	qtz sweat
		10.70	11.00	fractured core, carbonate along fracture surface minor qtz sweats
		12.24	12.30	1cm qtz sweat
		12.45	12.49	qtz sweat tourmaline along footwall
		12.49	12.70	tourmaline alt'd schist, contain micro qtz veinlets
		13.19	13.27	qtz sweat
		13.32	13.35	qtz sweat
		13.35	13.39	deformed tourmaline sweat

DDH 03-12 -12
Az 150
Dip - 55
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		13.51	13.54	qtz sweat
		14.35	14.36	qtz sweat and tourmaline sweat
15.54	19.15			tourmaline alt'd schist contains qtz sweats, abundant muscovite along breaks, cracks and fractures, also contains wispy ru
		18.60	18.90	zone contain several crosscutting qtz sweats and micro veinlets, very rusty along microveinlets; *recovery 100% FD 24/3.40m*
19.15	19.50			sheared broken core, grades to fault gouge from 19.40-19.50; *recovery 80%*
19.50	24.51			massive grey green chlorite schist; *recovery 83%, fracture density 59/5.94m*
		20.81	20.99	sheared schist talc on shear plane
		22.19	22.55	carbonate sweat grades to bleached schist to highly sheared schist from 22.50-22.55m
		23.65	23.70	sheared schist gouge
24.51	28.20			Massive geyish green chlorite schist
		24.51	25.76.9	tourmaline alt'd schist; massive greyish green chlorite schist
		24.58	24.67	massive qtz sweat
		24.68	24.69	qtz sweat
		24.74	24.85	qtz sweat
		24.90	24.92	qtz sweat
		25.17	25.60	series rusty micro carbonate veinlets typically 0.2cm, wispy tourmaline patches
		27.26	27.40	series of small veins of muscovite, sericite, carbonate belbs of tourmaline
		27.40	27.43	massive tourmaline
		27.43	27.53	qtz vein contain patchy blebs tourmaline muscovite, sericite, carbonate on fracture surfaces 75 deg to core axis
		27.53	27.82	series of small veins of muscovite, sericite, carbonate , pervasive blebs of tourmaline
		28.20	28.27	bleached schist contain veinlets of muscovite, sericite, carbonate
		28.27	28.32	massive tourmaline selvage
		28.32	28.38	fractured qtz sweat sheared to talcy schist on footwall
		28.53	30.79	*recovery 99%, fracture density 17/1.78*
		29.00	29.08	shear; schist sheared to gouge
		29.08	29.42	tourmaline alt'd schist, contain series of qtz veinlets ~0.5cm, muscovite, sericite veinlets crosscutting qtz veinlets, muscovite, sericite along fracture planes
		29.42	29.62	Qtz vein pervasive wispy tourmaline, muscovite sericite along contacts with envelope
		29.62	29.70	tourmaline alt'd schist
		29.70	29.90	bleached schist abundant musc, sericite, carbonate along fractures, large massive tourmaline sweats 29.81-29.85
		32.80	32.95	bleached schist micro veinlets of muscovite, sericite, carbonate
32.95	33.04			fault? Sheared to brown muscovite, sericite, phlogopite gouge
		33.04	33.50	shear schist abundant mica's and talc on shear planes, core very fracture greasy

DDH 03-12
Az 150
Dip - 55
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		33.50	33.70	bleached schist pervasive muscovite sericite also abundant on fracture surfaces and planes
		35.10	35.22	sheared schist- sheared to gougy grey mica's, talcy
		35.25	35.36	2 - 1cm qtz sweats
		35.45	35.50	qtz sweats
		36.05	36.50	sheared schist-shear to friable grey micas, talcy, contains minor qtz sweats
		36.60	36.68	qtz sweat; *from 33.50-36.68 recovery 99% / FD 38/3*
		36.70	36.72	sheared schist to gougy grey mica's
		38.46	38.47	qtz sweat
		38.50	38.51	qtz sweat
		38.70	38.72	qtz sweat
		39.80	39.84	qtz sweat; *from 36.70-39.84 recovery 99%, FD 26/3.20*
39.93	40.84			highly fractured core talcy along fracture planes; *frac density 30/90cm*
		42.86	44.00	bleached schist, series of crosscutting veinlets of muscovite, sericite, carbonate, core very fractured 43.43-43.46, talcy on fracture plane; *fracture density 30/1.19*
		44.00	44.10	core very friable and crumbly, highly altered schist
		44.10	44.90	bleached schist
		44.50	44.70	qtz sweat
		49.83	43.87	qtz sweat
		44.90	45.16	tourmaline alt'd schist, several parallel qtz veinlets? Sweats crosscut by micro veinlets and cracks filled w/ muscovite sericite
		46.40	46.45	tourmaline sweat w micro veinlets, muscovite, sericite, carbonate
		46.70	47.50	tourmaline alt'd schist, pervasive tourmaline occurring as blebs and sweats increasing in becoming massive; 47.40-47.50 crosscut by micro veinlets and sweats of qtz, muscovite, sericite and carbonate
		46.84	46.94	sheared to gouge, abundant mica's
		47.50	47.82	qtz vein, wispy pervasive tourmaline
		47.82	48.39	tourmaline alt'd schist hosts crosscutting microveinlets of muscovite, sericite, carbonate, pervasive patches tourmaline
		49.56	49.67	qtz sweat
		49.67	50.00	pervasive patches tourmaline
50.00	53.03			massive chlorite schist
				E.O.H.

DDH03-1[illegible]-13
Az 330
Dip -55
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0	3.5			overburden, casing
3.50	24.13			massive greyish green chlorite schist
		3.50	4.57	core very fractured and broken fractures; fract density 80/5.07
		4.64	4.85	3 qtz sweats
		4.86	4.90	patches of tourmaline
		5.10	5.17	qtz sweat
		5.35	5.38	qtz sweat
		6.08	6.09	qtz sweat
		6.24	6.25	qtz sweat
		6.36	6.39	patches of tourmaline
		7.66	7.71	disseminated tourmaline
		7.82	7.87	qtz sweat
		8.46	8.50	qtz sweat
		8.57	8.60	qtz sweat
		8.62	8.66	zone of qtz amygdoules
		9.08	9.13	qtz sweat
		9.86	9.90	qtz sweat; *from 4.64-9.90 recovery 99%, frac density 15/2.13m*
		10.63	10.64	qtz sweat; *from 10.63-15.00 recovery 100%, FD 25/4.13m*
		13.07	13.09	qtz sweat
		13.10	13.12	qtz sweat
		14.90	15.00	massive qtz sweat
		15.70	15.90	massive qtz sweat
		17.50	17.80	altered schist, muscovite, sericite, carbonate, some patches tourmaline;
		18.09	18.10	qtz sweat, *from 15.70-18.10 recovery 100%, fd 35/3.62*
		20.42	20.50	1 cm qtz sweat
		22.00	22.60	tourmaline alt'd schist with crosscutting micro veinlets of muscovite, sericite, carbonate; tourmaline becomes massive 20.40-20.53;should be 22.40-22.53? *recovery 100%, FD 21/3.90*
		23.50	29.13	patches of tourmaline increasing in frequency to 24.13
24.13	25.00			tourmaline alt'd schist with crosscutting micro veinlets of muscovite, sericite, carbonate; 2cm qtz sweat @ 24.80 some micro gash fractures infilling with qtz
		25.00	25.39	qtz vein with wispy tourmaline; core axis 30 deg
25.39	27.79			tourmaline alt'd schist, some small gash fractures infilling w/ qtz
		25.58	25.70	qtz sweat; *from 23.50-25.70 recovery 99.9%, FD 18/3.90m*
		26.33	26.62	tourmaline alt'd schist becoming massive 26.56-26.62, crosscutting micro veinlets, muscovite, sericite, carbonate
		26.62	26.70	qtz vein contains wispy pervasive tourmaline
		26.70	26.93	bleached schist contains crosscutting microveinlets of muscovite, sericite, carbonate
26.93	27.24			sheared schist
		27.74	27.80	qtz sweat

DDH03-13
Az 330
Dip -55
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		27.98	28.20	1cm qtz filled gash fractures
		28.95	29.26	deformed qtz sweats; *from 27.74-29.26 recovery 100%, FD 40/3.86*
		30.00	30.10	patches of tourmaline
		30.40	30.65	zone of deformed qtz sweats with patches of tourmaline, core very fractured and broken
		30.70	30.78	sheared schist, contains broken fractured qtz sweats
		30.90	30.94	qtz sweats with patches of tourmaline and crosscutting micorveinlets, muscovite, sericite, carbonate
		31.47	31.80	core fractured, contains some qtz sweats
31.80	32.16			tourmaline alt'd schist pervasive muscovite, minor qtz sweats
		32.50	32.53	Qtz sweat, some patches tourmaline, *from 30.40-32.53 Recovery 99%, FD 43-2.50m*
		33.00	33.40	rubbly core, sheared qtz sweat 33.00-33.20, qtz sweat 32.30-32.40
		34.14	34.45	qtz sweat
		34.50	34.53	qtz sweat
		34.59	34.60	qtz sweat
		34.66	34.70	qtz sweat
		34.78	34.79	qtz sweat; *from 33.00-36m recovery 100%, FD 20/3.00*
		36.00	36.58	core fractured-broken, *FD 11/0.58m*
		36.80	36.96	Bleached schist enveloping massive tourmaline, 36.81-36.86 and 36.90-36.93 core talcy on fractured surfaces
		38.50	39.60	broken and fractured core, *poor recovery 38.00-39.62 ` 90cm/1.62*
		38.15	38.75	quartz vein with wispy tourmaline, muscovite, sericite on fracture surfaces, core extremely broken, *recovery 50%*
		38.75	39.62	bleached schist very fractured, *recovery 50%*, talcy on fracture surfaces, contains patches of tourmaline
39.62	41.15			massive chlorite schist, core fracture talcy on fracture surface, *core recovery 100%, FD 28/1.53*
				E.O.H.

DDH03-
Az 150
Dip -80
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
0	2.3			casing, overburden
2.30	12.00			massive greyish green chlorite schist
		2.56	2.65	4- 0.5cm qtz sweats
		2.85	2.41	sheared schist
		4.15	4.18	qtz sweat
		4.38	4.48	qtz sweat
		4.48	4.49	qtz sweat
		4.53	4.54	qtz sweat
		4.57	4.58	folded qtz sweat
		4.83	4.85	qtz sweat
		4.88	4.90	qtz sweat
		5.35	5.37	qtz sweat
		5.69	5.70	sheared schist
		6.38	6.48	qtz sweat with massive tourmaline sweats 0.5cm
		6.48	6.55	sheared schist, talc on shear planes
		7.77	7.78	qtz sweat
		8.00	8.05	qtz sweat
		8.05	8.19	qtz sweat; *from 2.30-8.19 recovery 100%, FD 56/6.0m*
		9.41	9.45	tourmaline sweats~ 0.25cm
		9.53	9.56	qtz sweat
		9.59	9.63	sheared schist, talc on shear planes
		9.68	9.71	qtz amygdoules, small qtz gash fractures
		9.88	9.93	minor qtz sweats
		11.65	11.74	qtz sweat
		11.77	11.80	qtz sweat
		11.80	11.84	patches tourmaline;
		12.00	12.20	tourmaline alt'd schist, crosscutting veins of muscovite, sericite, carbonate; tourmaline becomes massive 12.10-12.20; *from 9.41-12.20 recovery 100%, FD 31/3.90m*
		12.20	12.30	qtz sweat
		12.30	12.40	sheared tourmaline alt'd schist; core broken
12.40	13.10			bleached schist crosscutting microveinlets of qtz
		12.50	12.52	qtz sweat
		12.60	12.65	tourmaline sweats
		12.84	12.85	tourmaline sweat
		12.96	12.97	tourmaline sweat
		13.10	13.27	aplite bisects half core, some grey qtz, core fractured, core axis 20 deg
13.27	13.60			bleached schist weak tourmaline alteration

From	To	From	To	Description
		13.35	13.36	qtz sweat
		13.40	13.43	qtz sweat, some wispy tourmaline
13.60	20.70			massive chlorite schist
		13.82	13.83	tourmaline sweat
		13.89	13.91	tourmaline sweat; *from 12.30-13.91 recovery 100%, FD 29/2.00m*
		15.11	15.17	sheared, weakly alt'd schist
		15.21	15.23	patches, dendritic tourmaline
		16.10	16.11	qtz sweat
		16.13	16.14	qtz sweat
		16.30	16.39	sheared schist, talc on shear planes
		16.40	16.43	qtz sweat
		16.90	17.10	qtz amygdoules
		17.23	17.29	qtz sweat
		17.70	17.73	qtz sweat
		17.74	17.80	sheared schist w/ qtz sweat
		18.05	18.10	0.7cm qtz sweat; *from 15.11-18.10m recovery 100%, FD 22/3.10; from 18.10-21 recovery 100%, FD 44/3.00m*
20.70	21.60			tourmaline alt'd schist crosscutting micro veinlets of muscovite, sericite, carbonate
		22.70	23.00	tourmaline alt'd schist
		23.00	23.10	sheared tourmaline alt'd schist, very broken core
		23.10	24.00	tourmaline alt'd schist, crosscutting microveinlets of muscovite, sericite, carbonate
		24.42	24.43	qtz sweat
		24.79	24.80	deformed qtz sweat;
25.35	28.20			tourmaline alt'd schist, pervasive tourmaline occurring as sweats and patches x-cutting veinlets of muscovite, sericite and carbonate
		25.90	25.92	qtz sweat
		26.45	26.46	qtz sweat
		26.78	26.80	qtz sweat
		27.01	27.02	qtz sweat
		27.59	27.60	qtz sweat
		28.12	28.15	qtz sweat
28.20	30.21			massive greyish green chlorite schist
		29.03	29.06	qtz sweat;
30.21	34.00			tourmaline alt'd schist, tourmaline is pervasive, occasional massive patches, sweats or dendritic cluster, tourmaline massive as salvages to 3 veins;
		30.35	30.42	massive muscovite sweat
		30.51	30.54	qtz sweat
		30.67	30.97	qtz vein, wispy pervasive tourmaline; vein fractures
		31.18	31.35	qtz vein, wispy pervasive tourmaline; 65 deg to Core Axis

DDH03-14
Az 150
Dip -80
Logged By: Warren Robb

True North Gems Inc
Diamond Drill Hole

From	To	From	To	Description
		31.54	31.70	qtz vein, wispy pervasive tourmaline; 70 deg to Core Axis, *from 25.35-31.70 recovery 99.6%, FD 80/8.2m*
		32.79	32.80	qtz sweat
		33.40	33.42	qtz sweat
		33.48	33.49	qtz sweat
		33.53	33.54	qtz sweat
34.00	35.66			massive greyish green chlorite schist; *from 31.70-35.66 recovery 100%, FD 12/5.66*
				E.O.H.

GEO
UTM
1° 32'E
MAG
31° 30'E

414700 mE
414800 mE
6794600 mN
6794500 mN
1,720
1,740
1,760
1,780
1,800

West Trench 1
Pit 1
Pit 2
Pit 3
Pit 4
Pit 5
Pit 6
Pit 7
Mattscar
Mattscar 2002
DDH03-10
38.1m

Mattscar 2003 Mini Bulk Sample

Mined:	960 Tonnes	Gem:	0.4 g/T
Delivered:	960 Tonnes	Near-Gem:	3.8 g/T
Stockpiled:	938 Tonnes	Non-Gem:	2.9 g/T
Processed:	22 Tonnes		

Area 10 Roadcut
DDH03-11
41.45m
DDH03-13
41.15m
West Trench 7
DDH03-12
53.03m
West Trench 6
DDH03-14
35.66m

2003 Southwest Mini Bulk Sample

Mined:	2149 Tonnes	Gem:	0.3 g/T
Delivered:	1398 Tonnes	Near-Gem:	2.9 g/T
Stockpiled:	1107 Tonnes	Non-Gem:	6.1 g/T
Processed:	290 Tonnes		

SW 1760 NE
DDH03-06
35.05m
SW RSE 4517
DDH03-09
144.78m
DDH03-04
32m
DDH03-05
37.49m
DDH03-08
35.05m
SW2 1760 NE
DDH03-07
37.49m
DDH03-02
30.17m
DDH03-03
33.73m
1760 XC 4500
2002 Southwest Zone Trench
DDH03-01
33.53m
Southwest Portal

2002 Southwest Mini Bulk Sample

Gem:	19.1 g/T
Near-Gem:	92.3 g/T
Non-Gem:	377.2 g/T

EXPLANATION

- Vertical projection of emerald mapped in working face
- Emerald recovered by hand from muck-pile after blasting or ripping
- Mining rounds included in underground mini bulk sample

True North Gems

Appendix A	*Regal Ridge Project*
Date:27/2/2004	**Surface Plan**
Author: B. Pemberton	**2003 MINI BULK SAMPLES**
Office:	
Drawing:	
Scale: 1:200	Projection: UTM Zone 9 (NAD 83)

2.5 0 2.5 5
metres

GEO
UTM 1° 32'E MAG
31° 30'E

413000 mE
414000 mE
415000 mE
6794000 mN
6792000 mN

GOAL 316 GOAL 317 GOAL 318 GOAL 319 GOAL 300 GOAL 301 GOAL 298 GOAL 299 GOAL 296 GOAL 297 GOAL 314 GOAL 315 GOAL 312 GOAL 313 GOAL 310 GOAL 311 GOAL 308 GOAL 309 GOAL 306 GOAL 307 GOAL 304 GOAL 305 GOAL 295 GOAL 294 GOAL 292 GOAL 293 GOAL 290 GOAL 291 GOAL 288 GOAL 289 GOAL 286 GOAL 287 GOAL 284 GOAL 285 GOAL 282 GOAL 283 GOAL 254 GOAL 253 GOAL 234 GOAL 216 GOAL 255 GOAL 235 GOAL 256 GOAL 236 GOAL 257 GOAL 237 GOAL 258 GOAL 238 GOAL 259 GOAL 239 GOAL 260 GOAL 240 GOAL 261 GOAL 241 GOAL 262 GOAL 242 GOAL 263 GOAL 243 GOAL 264 GOAL 244 GOAL 265 GOAL 245 GOAL 266 GOAL 246 GOAL 267 GOAL 247 GOAL 268 GOAL 248 GOAL 269 GOAL 250 GOAL 270 GOAL 218 GOAL 220

200,399,021,371
200,399,021,351
200,399,022,001
200,399,022,007
200,399,021,001
200,399,020,001
200,399,022,006
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200,399,021,108
200,399,021,083
200,399,021,052
200,399,021,219
200,399,021,300
200,399,021,301
200,399,020,077

True North Gems

Appendix G	*Regal Ridge Project*
Date:7/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLE LOCATIONS**
Office: Vancouver	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

50 0 50 100
metres

GEO
UTM 31° 32'E
MAG
31° 32'E

412000 mE
414000 mE
416000 mE
6794000 mN
6792000 mN

GOAL 319
GOAL 301
GOAL 253
GOAL 216
GOAL 254
GOAL 235
GOAL 298
GOAL 316
GOAL 236
GOAL 299
GOAL 317
GOAL 255
GOAL 21
GOAL 256
GOAL 237
GOAL 296
GOAL 314
GOAL 238
GOAL 297
GOAL 315
GOAL 257
GOAL 258
GOAL 239
GOAL 294
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GOAL 306
GOAL 289
GOAL 265
GOAL 307
GOAL 266
GOAL 286
GOAL 304
GOAL 248
GOAL 287
GOAL 267
GOAL 305
GOAL 285
GOAL 268
GOAL 284
GOAL 283
GOAL 250
GOAL 269
GOAL 270

2003 Soil Samples
Be (ppm)
3.9 to 13.1 (46)
2.8 to 3.9 (72)
1.9 to 2.8 (116)
0.1 to 1.9 (243)

True North Gems

Appendix H	*Regal Ridge Project*
Date: 13/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLES Be (ppm)**
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

50 0 50 100
metres

412000 mE

414000 mE

416000 mE

6794000 mN

6792000 mN

GOAL 319 GOAL 301 GOAL 253 GOAL 216 GOAL 254 GOAL 235 GOAL 298 GOAL 316 GOAL 236 GOAL 299 GOAL 317 GOAL 255 GOAL 256 GOAL 237 GOAL 296 GOAL 314 GOAL 238 GOAL 297 GOAL 315 GOAL 257 GOAL 258 GOAL 239 GOAL 294 GOAL 312 GOAL 240 GOAL 295 GOAL 313 GOAL 259 GOAL 260 GOAL 241 GOAL 292 GOAL 310 GOAL 242 GOAL 293 GOAL 311 GOAL 261 GOAL 262 GOAL 243 GOAL 290 GOAL 308 GOAL 244 GOAL 291 GOAL 309 GOAL 263 GOAL 264 GOAL 288 GOAL 246 GOAL 306 GOAL 289 GOAL 265 GOAL 307 GOAL 266 GOAL 286 GOAL 304 GOAL 248 GOAL 287 GOAL 267 GOAL 305 GOAL 285 GOAL 284 GOAL 268 GOAL 283 GOAL 250 GOAL 269 GOAL 270

GEO

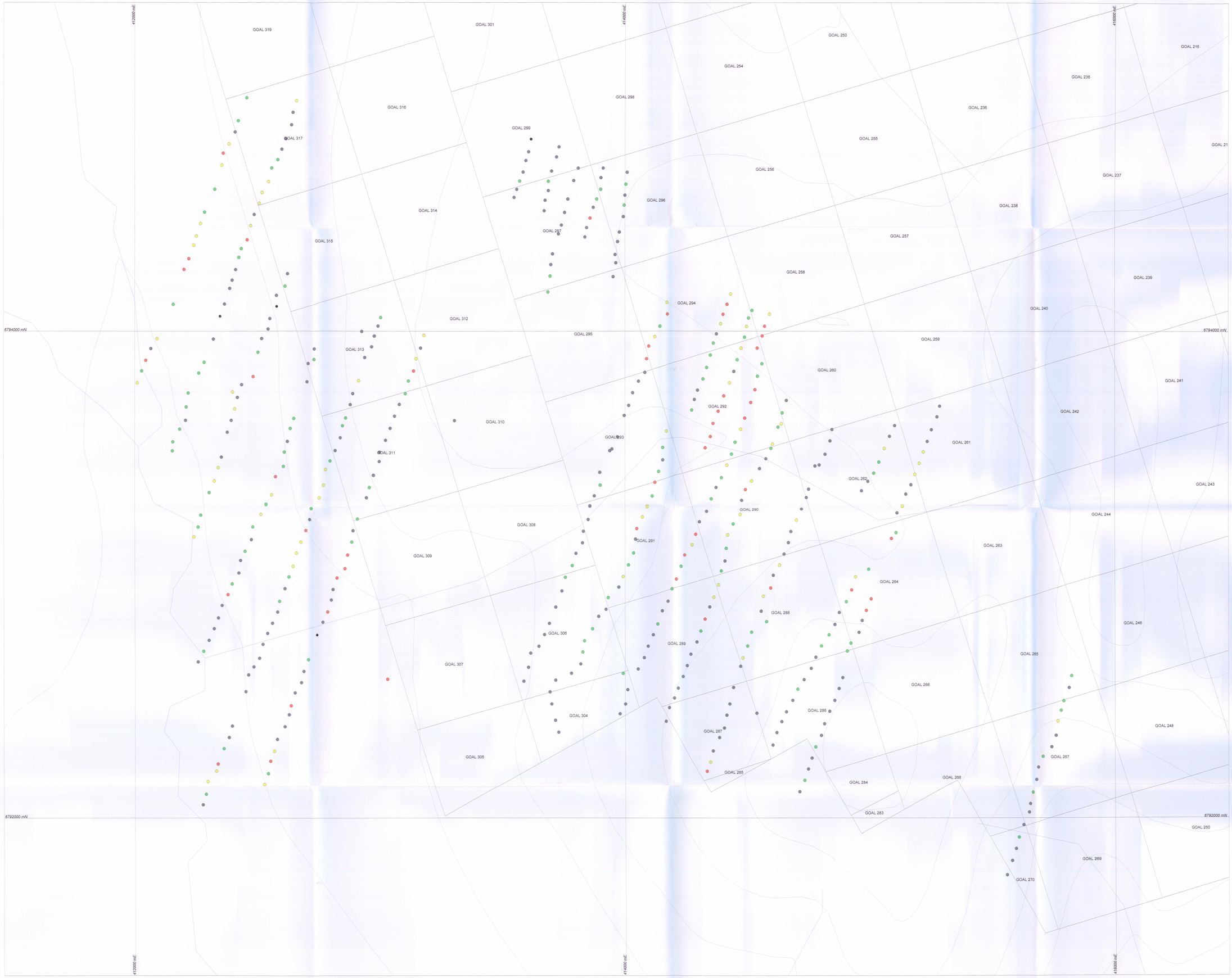
UTM 17.32E MAG 31° 30'E

2003 Soil Samples
Cu (ppm)
- 125 to 1,220 (41)
- 85 to 125 (75)
- 40 to 85 (115)
- 0 to 40 (343)

True North Gems

Appendix I	*Regal Ridge Project*
Date:13/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLES Cu (ppm)**
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

50 0 50 100
metres



True North Gems

Appendix J	*Regal Ridge Project*
Date:13/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLES W (ppm)**
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

GEO
UTM 1° 32'E
MAG
31° 30'E

412000 mE
414000 mE
416000 mE
6794000 mN
6792000 mN

GOAL 319
GOAL 301
GOAL 253
GOAL 216
GOAL 254
GOAL 235
GOAL 298
GOAL 316
GOAL 236
GOAL 299
GOAL 317
GOAL 255
GOAL 21
GOAL 256
GOAL 237
GOAL 296
GOAL 314
GOAL 238
GOAL 297
GOAL 315
GOAL 257
GOAL 258
GOAL 239
GOAL 294
GOAL 240
GOAL 312
GOAL 295
GOAL 259
GOAL 313
GOAL 260
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GOAL 292
GOAL 242
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GOAL 288
GOAL 246
GOAL 306
GOAL 289
GOAL 265
GOAL 307
GOAL 266
GOAL 286
GOAL 304
GOAL 248
GOAL 287
GOAL 267
GOAL 305
GOAL 285
GOAL 268
GOAL 284
GOAL 283
GOAL 250
GOAL 269
GOAL 270

2003 Soil Samples
Sn (ppm)
6 to 20.9 (53)
3.6 to 5 (74)
2.6 to 3.6 (114)
0.3 to 2.5 (236)

True North Gems

Appendix K	*Regal Ridge Project*
Date:13/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLES Sn (ppm)**
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

50 0 50 100
metres

412000 mE

414000 mE

416000 mE

6794000 mN

6792000 mN

GOAL 319 GOAL 301 GOAL 253 GOAL 218 GOAL 254 GOAL 235 GOAL 298 GOAL 316 GOAL 236 GOAL 299 GOAL 317 GOAL 255 GOAL 21 GOAL 256 GOAL 237 GOAL 296 GOAL 314 GOAL 238 GOAL 297 GOAL 315 GOAL 257 GOAL 258 GOAL 239 GOAL 294 GOAL 312 GOAL 240 GOAL 295 GOAL 313 GOAL 259 GOAL 260 GOAL 241 GOAL 292 GOAL 310 GOAL 242 GOAL 293 GOAL 311 GOAL 261 GOAL 262 GOAL 243 GOAL 290 GOAL 308 GOAL 244 GOAL 291 GOAL 309 GOAL 263 GOAL 264 GOAL 288 GOAL 246 GOAL 306 GOAL 289 GOAL 265 GOAL 307 GOAL 266 GOAL 286 GOAL 304 GOAL 248 GOAL 287 GOAL 267 GOAL 305 GOAL 285 GOAL 284 GOAL 268 GOAL 283 GOAL 250 GOAL 269 GOAL 270

GEO

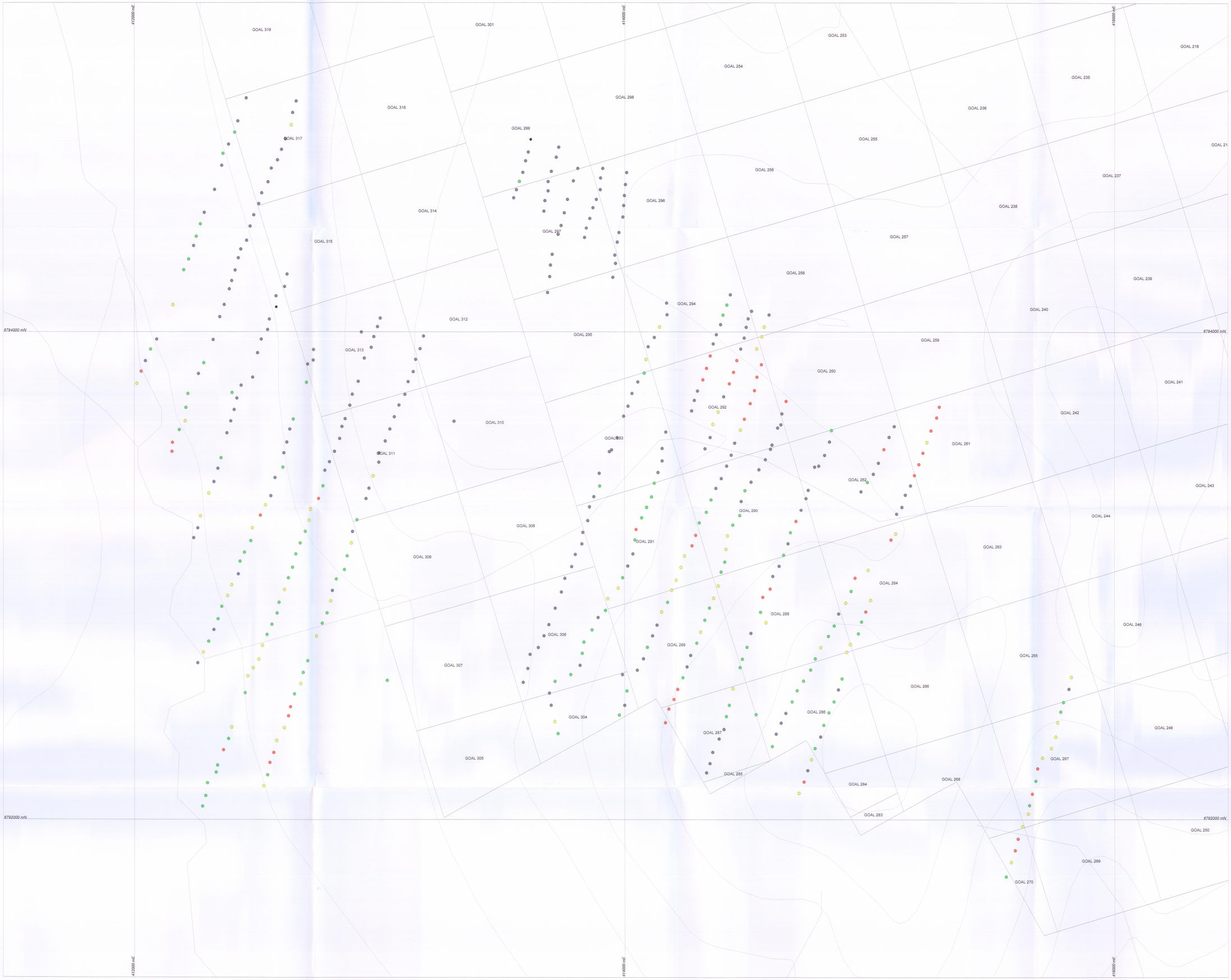
UTM 1° 32'E MAG 31° 30'E

2003 Soil Samples
Bi (ppm)
0.8 to 9.36 (38)
0.51 to 0.8 (86)
0.33 to 0.51 (114)
0.05 to 0.33 (239)

True North Gems

Appendix L	*Regal Ridge Project*
Date: 13/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLES Bi (ppm)**
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

50 0 50 100
metres



True North Gems

Appendix M	*Regal Ridge Project*
Date:13/9/2004	**Surface Plan**
Author: B. Pemberton	**2003 SOIL SAMPLES F (ppm)**
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 9 (NAD 83)

50 0 50 100
metres

GEO

UTM 1° 32'E MAG

31° 30'E

Legend

- Aplite
- Df
- Df/Dmi
- Dq
- Dum
- Kg
- Td

True North Gems

Appendix N	*Regal Ridge Project*
	Surface Plan
Author: B. Pemberton	**PROPERTY GEOLOGY**
Office:	
Drawing:	
Scale: 1:2000	Projection: UTM Zone 9 (NAD 83)

25 0 25 50

metres

6794550 mN

414750 mE

414800 mE

6794550 mN

GEO

UTM 1° 32'E

MAG

31° 30'E

2003 Mini Bulk Sample

Rounds 1-21
Mined: 987 Tonnes
Delivered: 342 Tonnes
Stockpiled: 61 Tonnes
Processed: 280 Tonnes

SW 1760 NE

Mined: 1652 Tonnes
Delivered: 945 Tonnes
Stockpiled: 604 Tonnes
Processed: 280 Tonnes

SW RSE 4517

Mined: 36 Tonnes
Delivered: 30 Tonnes
Stockpiled: 20 Tonnes
Processed: 10 Tonnes

SW2 1760 NE

Mined: 460 Tonnes
Delivered: 423 Tonnes
Stockpiled: 423 Tonnes
Processed: 0 Tonnes

1760 XC 4500

Total Underground Tonnage

Mined:	2149 Tonnes	(measured)	100 %
Delivered:	1398 Tonnes	(bucket count)	65%
Stockpiled:	1107 Tonnes	(subtracted)	51%
Processed:	290 Tonnes	(hopper loads)	13%

STA 01 Round 1 Round 2 Round 3 Round 4 Round 5
STA 02 Round 6
STA 03 Round 7 Round 8
STA 04 Round 9 Round 10 Round 11 Round 12 Round 13
STA 05 Round 14 Round 15 Round 16 Round 17 Round 18
STA 06 Round 19 Round 20 Round 21 Round 22 Round 23 Round 24
STA 07 Round 25 Round 26 Round 27 Round 28 Round 29 Round 30 Round 31 Round 32 Round 33
STA 08

1 2 3 4 5

Round 1 Round 2 Round 3 Round 4 Round 5 Round 6 Round 7 Round 8 Round 9 Round 10

12.5 m Section

23.0 m Section

Southwest Portal

1760

1770

6794500 mN

414750 mE

414800 mE

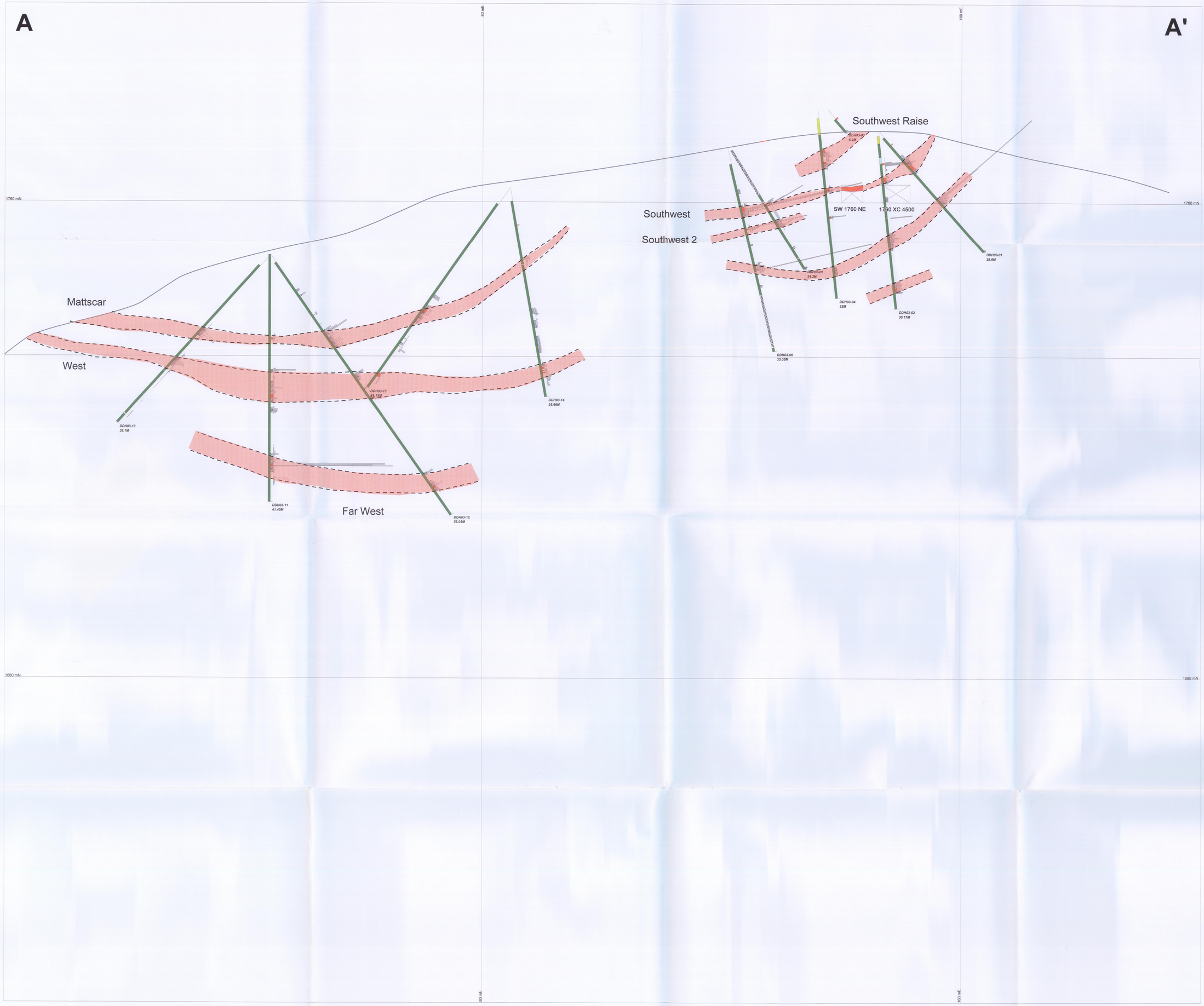
EXPLANATION

- Quartz-Tourmaline Veins
- Fault
- Mining Rounds included in Mini Bulk Sample
- Survey Point STA-01

True North Gems

Appendix O	*Regal Ridge Project*
Date: 2/3/2004	**Underground Plan**
Author: B. Pemberton	**2003 UNDERGROUND EXPLORATION**
Office:	
Drawing:	
Scale: 1:100	Projection: UTM Zone 9 (NAD 83)

1.5 0 1.5 3
metres



APLITE
CHLORITE SCHIST
DIABASE
FAULT
GOUGE
GRANITE
META-SEDIMENTS
ALTERATION
QUARTZ VEIN

HOLE ID

BE_PPM
HISTOGRAM
0.1 MM/UNIT AT 1:200

ALT_A_TYPE
TRACE SHADE

LITHOLOGY
TRACE SHADE

EOH

True North Gems

Appendix P	*Regal Ridge Project*
Date:29/2/2004	**Transversal Section**
Author:	**SECTION A-A'**
Office:	
Drawing:	
Scale: 1:200	Projection: Non-Earth (meters) (Section Az. 151, View NE)

2.5 0 2.5 5
METRES