

An Assessment Report prepared on

Superior Graphite's

Properties northwest of

Nelson, B. C.

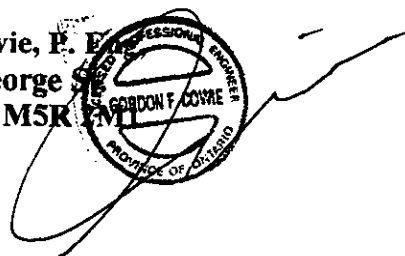
prepared for

Worldwide Graphite Producers Ltd.

Suite 404 - 357 Bay Street,  
Toronto, Ontario, M5H 2T7

January 2003

by: Gordon F. Cowie, P. Eng.  
108 - 145 St. George  
Toronto, Ontario, M5R 1T1



Koch claim area  
0445759 E 11U  
5507500 N NAD 83

Superior claim area  
0445000 E 11U  
5507500 N NAD 83

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

27.164

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## **Introduction,**

**The purpose of this report, is to describe the work program done on the Superior Claims, during the summer of 2002. That was carried out in-order to account for the total of the work done on the Claims – Superior XXIV to Superior XXX, plus Mother Superior.**

**In this instance, the work was done by Horst Klassen, Ms. Diana Wynne Morton and Gordon F. Cowie.**

**We have included here Pages 5, 5a, 5b and 5c which shows the locations of Superior Claims XXIV to XXX, and also Mother Superior. This work work was carried out over the past summer's field season.**

**These property's geology's are as mapped on page 5c. As the reader will notice, the main rock units are # 7 which are the Laib Formation which carries graphitic matter. Bordering units are no. 6 to the East and 19b to the west. No. 7 – Laib Formation is argillite. argillaceous quartzite, limestone dolomite, phyllite and schist. No. 6 - Reno Formation is argillatious quartzite, schist, argillatious, quartzite, schist, argillite and limestone. No. 5 Quartzite Range Formation is white, green and pinkish quartzite and conglomerate. No. 19b are Nelson Granites.**

**Mineralization in these Claims is amply discussed in the paragraph above here.**

**Laboratory analysis's by "Acme Analytical Laboratories Ltd." of Vancouver are included, following on page 6, as the penultimate item with-in the sample listings.**

**By the application of some credible assumptions, we have made a forecast of the tonnage's of these Graphite occurrences. They are as presented on page 7. We have already discussed the assumptions, being that area was overlain by at about, a one meter ? thick layer of graphite.**

An Assessment Report on the Superior Graphite Claims,

During 2001, the Superior Group of Graphite Claims were extended to the south and the Koch group of claims were staked. This group consists of 49 units and covers the southerly extension of this very large Graphite deposits which shows up in the Valhalla gneissic complex. Also during, the field season of 2002, these two claim groups were connected by staking. These modified Superior Group contains nearly 200 claim units. The 2002 work intended to was to find graphite showings in the Koch group was prospected over, the previously not-prospected ground from the Superior Group. Field-work started during mid August of 2002. It was completed by the end of October, 2002.

These appended Daily Report-Assessments were made and reported on by Horst Klassen and Ms. Diana-Wynne. Morton during the early-fall of 2002. Appended to here, are the daily reports about prospecting on the Superior Claims from 5<sup>th</sup> August, until 19<sup>th</sup> October, 02. See page 3, where the Koch group was Traverse lines were established with lines about 750 m's apart crossing the property from north to south and stopping at the Slocan Forest logging road and at the Koch logging road, since the ground south of this line is mostly covered by overburden. The three creeks that traverses this property has exposed quite a lot of bed-rock that has since been prospected and the results were reported on in the daily reports.

In order to determine any economic aspects of these findings, more field work such as geophysics, more sampling and a start-on structural mapping etc. needs to be done by qualified geologists. At the Superior Group, extensive ground prospecting to the south and north of the main showing has already been done. Our work has resulted in some good showings along the south trend of the main showing. Furthermore, ground prospecting about 2.5 kms to the north of Frieda Creek, an un-named tributary west of Hoder Creek was also prospected, in it several bands of graphite bearing marble were located, as noted in the daily-reports.

At least one of them probably have economic amounts of graphite ore present. A VLF-EM survey in these area's have been done at the end of October, 2002. See daily reports of 16<sup>th</sup> to 19<sup>th</sup> October, 2002. Toward the Knight's Creek end of the main-showing, there has been uncovered a body of Graphite of about 60 million tons, which would then, if mined to 1000 m's depth, if possible.? This body, at a dilution rate of 50 % would then yield at least 30 million tons of Graphite, at 4.75 %, and should then be mineable.

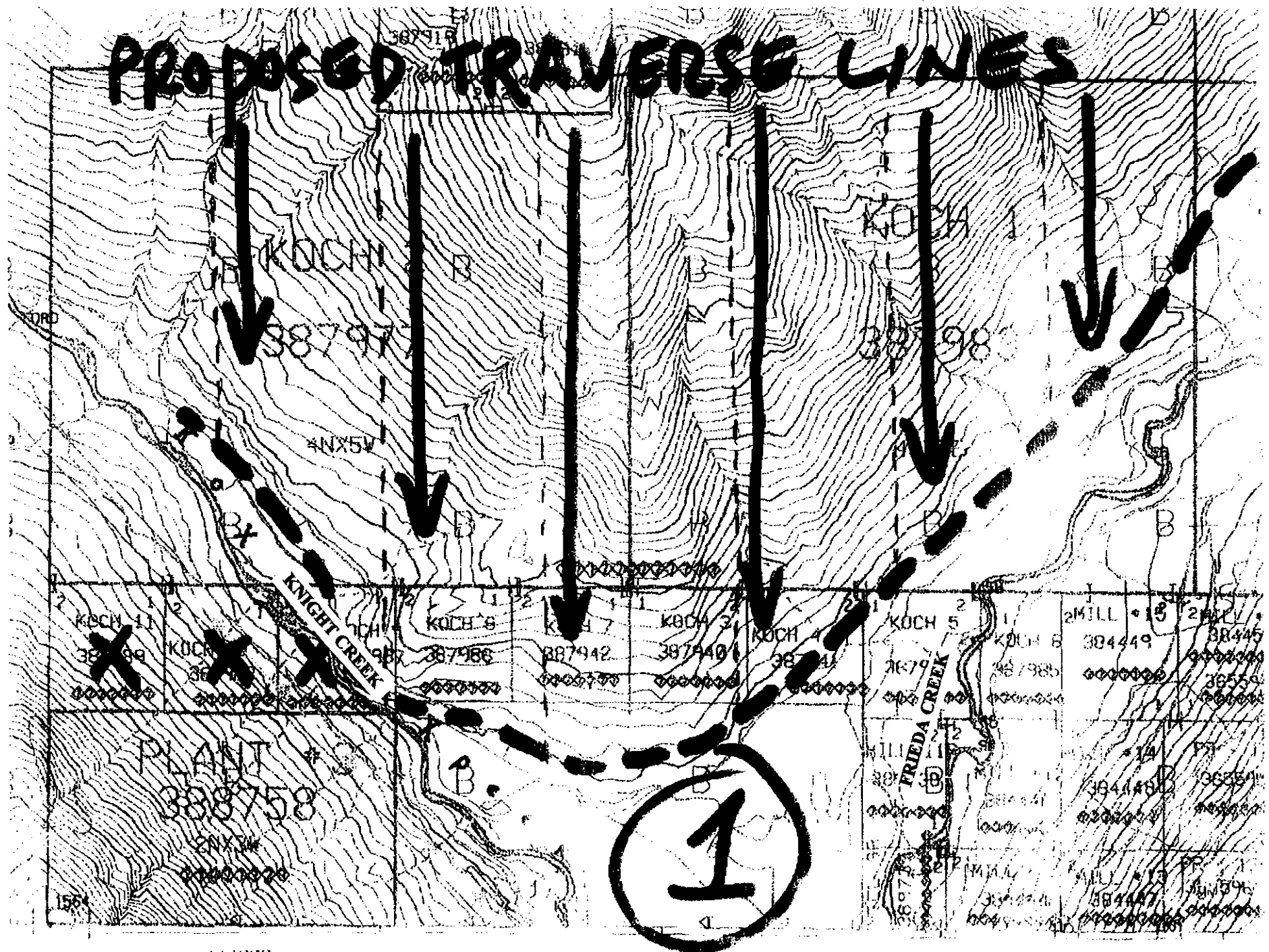
Since the area of possible economic deposits is so large that only a part of the total property package has yet been prospected. The East side of the Hoder Creek valley has not had any prospecting done on it, by the end of 2001 field season. There, is a large band of graphitic marble located on the northern ..... 4

Dec. 10 2000 13:57:11

PHONE NO. : 2505502055

250 550 2055

# PROPOSED TRAVERSE LINES



M... 167

**WNLGP** ✓ **SUPERIOR (SOUTH END)**

**AMAR GROUP**

**BLACK  
CRYSTAL  
GRAPHITE  
CLAIMS**

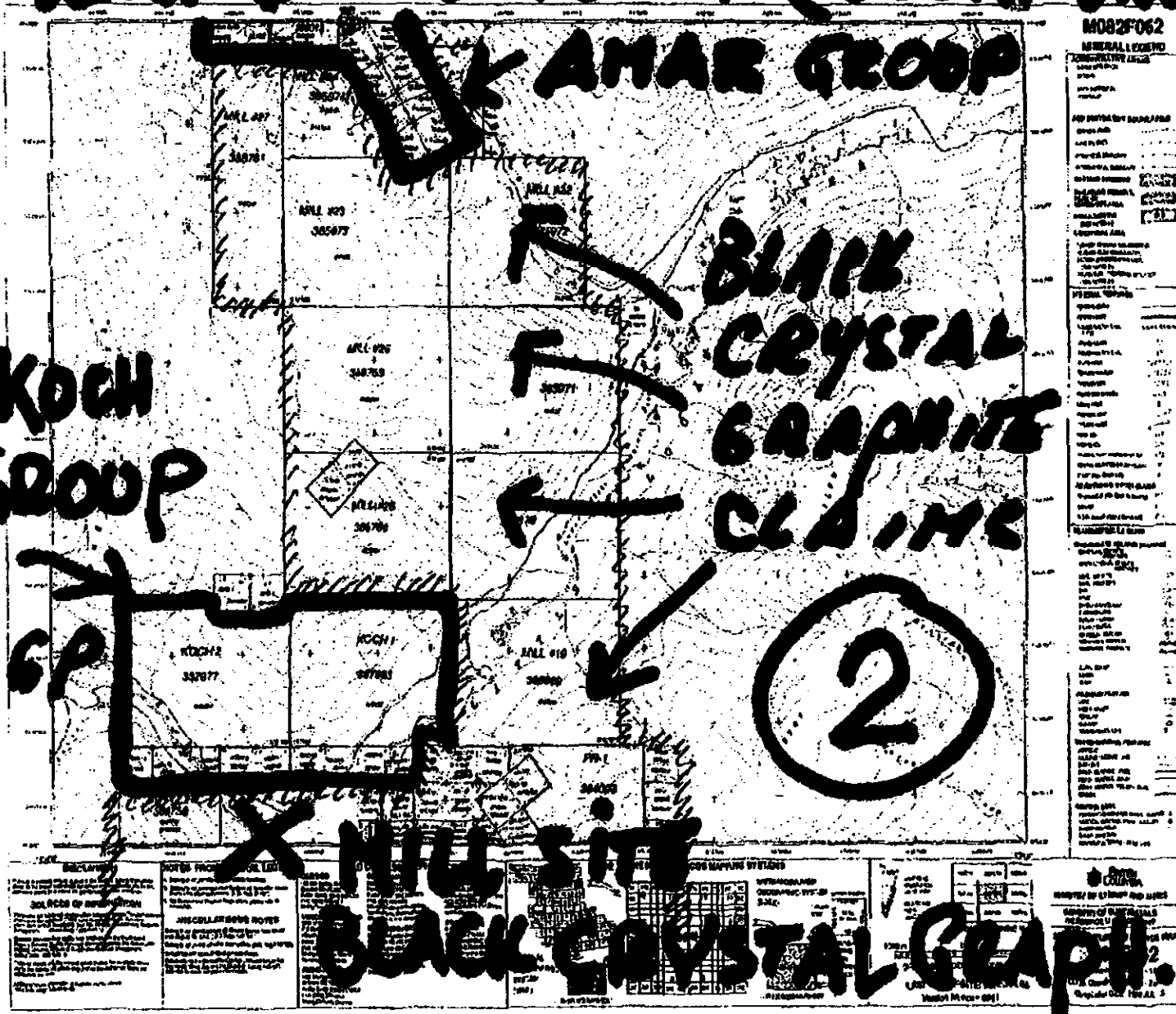
**KOCH  
GROUP**

**WNLGP**

**2**

**X MILL SITE**

**BLACK CRYSTAL GRAPHITE**



boundary of the property. The trend of this band is toward top of the ridge of Mount Rinda. Such a showing could suggest double the reserves of this group. The field season of 2002 ended without, us being able to prospect that area further south and higher up, but an early snow closed down this field season. It is recommended that considerably more time be spent prospecting those, indicated targets for economic graphite.

Further-more field mapping by a qualified professional geologist should be done to identify drilling targets. If possible a drilling program would raise the level of certainty and outline some more reserves. Some cores from a prior drilling program that had outlined reserves are missing and so has severely damaged prior estimates of reserves.

Unquestionably, the most significant conclusion reached, as we carried-out investigation's for this report comes from 17<sup>th</sup> and 19<sup>th</sup> of October, 2002. In the latter part of each of those day's summary, please see judgements, that this property might eventually yield up a further - 30 million tons of Graphite. When compared to our previous judgement of 2.7 million tons, this further large quantity of Graphite, if it does prove-out, it certainly establishes the clear economic viability for an operating mine on this property.

The sketch map on Page 3 presents Klassen's sketch of the Traverse Lines of the areas being assessed, as they traverse off to the East and down the slope from the main zone and along the valley. On the 16<sup>th</sup> October, the crew began to carrying out a 150 VLF-EM station survey. The VLF-EM survey just above and to the south of the "main showing." Initially, this survey's readings suggests the presence of a big flat sheet lying along the side-hill face of the valley's slope.

We believe, that a very successful prospecting season has been accomplished during the summer of 2002. We only used a limited labour field force too. A substantial amount of, and very valuable data was collected and is presently being analyzed by Worldwide Graphite's home office.

**Prospecting in the Vee area between  
Knight Creek, Frieda Creek and Koch Creek Area,**

**In the Koch Claim area of the Superior group of claims, we did a large surface area's prospecting program. The reason that we did this, was to find graphitic mineralization.**

**Over the southern and eastern area's of the Koch Claims, there were several outcrops containing graphitic horizons. In cross-section, these outcrops were quite narrow, they varied in width from about 1 meter up to 6 meters in width. For these areas, we recommend further exploration using Geophysics, using (VLF EM 16 and SP) to see if these bands are continuous. As well some trenching might be recommended to establish if these bands are economic to be open-pit mined,**

**This should be done by a small crew comprised of One Geologist and one or two assistants. If encouraging results are obtained, then some trenching perhaps could be done. It might even be necessary to do some drilling to see how deeply the layers extend into the mountain side.**

**On the Superior group in the discovery area, we stepped out to the South and to the North to see if there are mineralizations beyond what had already been discovered. To the South, we made loops up from the logging access road and also down hill to Hoder Creek. There, we could not see any graphitic mineralizations, and most of the bedrock was granitic, and they were only slightly gneissic.**

**Higher up on, Knight Creek which is at the extension of the known outcrop, there is some mineralization on, even higher up. This is in line with the Trend that the . . . 2**



- 2 -

**VLF EM survey showed and might be continuous and joins back the main showing. Also, at the North End, there is an unnamed creek, which we are calling North Creek. The location of this creek is about 2.5 km from the showing at Frieda creek. We have found about five layers of graphitic materials. As well, there are some small bands which also carry graphite.**

**We recommend that this area be further investigated with geophysics to determine if those layers which carry the graphitic mineralizations are continuous and also whether this is favourable, then trenching and drilling maybe necessary to prove it is there in some economic quantities here.**

**Furthermore, since this area is between and another showing that was located at the end of the 2001 exploration season which is about another two kms to the northeast of North Creek. It seems likely that there is a good possibility that this mineralization might be continuous between the known out-crops.**

**This might require a larger exploration crew than for the work on the Koch area described above.? In depth, prospecting for the Koch area might cost maybe \$ 30,000 while the Superior claims might end-up costing \$ 150,000, that will depend on how much drilling has to be done.?**

**Assessment Work for Superior Graphite Claims****Statement of Costs**

<b>Grid layout</b>	<b>892.58</b>
<b>VLF EM 16 data collecting</b>	<b>2231.45</b>
<b>VLF EM 16 rental</b>	<b>96.30</b>
<b>Prospecting and sample collection</b>	<b>10,264.68</b>
<b>Truck rental</b>	<b>986.16</b>
<b>Engineering supervision and report writing</b>	<b>2708.30</b>
<b>Travel &amp; Meals</b>	<b>663.53</b>
<b><u>Total \$</u></b>	<b><u>17,843.00</u></b>

**Work done from Aug. 1<sup>st</sup> to Oct. 19<sup>th</sup> 2002**



**REPORT OF ANALYSIS FROM THE  
TECHNICAL SERVICES DEPT.  
OF ASBURY GRAPHITE MILLS INC.**

**R&D#13004A-Z**

**Date Began: 1/10/03**

**Ore Analysis for World Wide Graphite**

Sample	Location	Moisture %	Volatile %	Carbon %	Sulfur %	Carbonate	Carbon % Recheck (Acid Treatment)
A	214	0.3862	0.6461	0.0571	0.0144	no	
B	216	0.2970	0.3445	1.4699	0.0000	no	
C	217	0.6262	0.9927	0.4735	0.1370	no	
D	240a	0.1686	5.3162	20.2771	0.0000	yes	0.5645
E	240b	0.5261	2.2995	15.8102	0.0023	yes	3.3574
F	240c	0.6952	2.0097	5.8131	0.0041	yes	2.5359
G	240d	0.2842	0.7529	9.3446	0.0000	yes	2.4007
H	251a	0.4742	1.1625	2.8050	1.5900	yes	2.5704
I	251b	0.2861	6.0915	9.0264	0.0220	yes	0.4688
J	251c	0.6620	1.1549	0.0050	0.1100	no	
K	251d	0.5808	2.0040	1.3396	0.0000	yes	2.3490
L	282	0.6938	1.0174	1.3434	0.8800	no	
M	284	1.1150	2.6394	3.1924	0.0868	no	
N	290	0.1791	2.2300	6.3364	0.1530	yes	1.1954
O	291	0.4033	0.3653	2.4852	0.0000	yes	0.6321
P	299	1.0470	1.5776	1.7240	0.0093	no	
Q	302	0.3544	1.2911	0.7169	0.0174	no	
R	303	0.7865	0.9184	1.0863	0.2230	no	
S	304	0.3836	0.3492	1.1783	0.0011	no	
T	305	1.1508	1.4237	1.8395	0.2960	no	
U	306a	2.2699	0.4611	1.3200	0.9450	no	
V	306b	0.8930	0.7626	1.5757	0.3940	no	
W	306c	0.3405	0.7925	1.3103	0.9520	no	
X	307a	0.1533	1.3910	0.1004	1.3100	yes	0.1151
Y	307b	0.3089	0.5318	0.4484	2.5600	no	
Z	307c	0.6695	0.7027	0.9988	0.7590	no	

\*carbon performed on calcined basis

\*carbon recheck entailed sulfuric acid treatment

\*carbonate tested with sulfuric acid; positive if ore produced gaseous emission

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REPORT OF ANALYSIS FROM THE  
TECHNICAL SERVICES DEPT.  
OF ASBURY GRAPHITE MILLS INC.

R&D#13004A-Z

Date Began: 1/10/03

Ore Analysis for World Wide Graphite

Initial Weight (Carbon Recheck)	Final Weight (Carbon Recheck)
--	-------------------------------------

5.5094	5.4783
10.1090	9.7696
9.2906	9.0550
8.8556	8.6430
6.6720	6.5005
5.0768	5.0530

5.1383	5.0176
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5.7554	5.6866
13.6681	13.5817

7.4700	7.4614
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**Additional Graphite in the Superior Claims.**

**This report attempts to further predict additional quantities of Graphite to be found in the Superior Claims on the down-slope out to the East from the main showing, namely in Claim's numbered - Superior XXX to Superior XXIV, and also in Mother Superior.**

**These describe a substantial deposit of crystalline graphite, that encompasses, perhaps up to an inferred quantity of 30 million tons, at perhaps 4.73 % to 13.31 percent of graphite. These yields, are based on assays performed on samples provided to Asbury Graphite in the fall of 2002, see pages 5 & 5a.**

**This area, never has been drilled, but in walking over that ground this fall, it was observed that there are several more layers and significant lenses of graphite scattered through-out this area. Assuming, a very conservative attitude, as you will note, that we are now predicting that, in this large area will contain up to as many as 46,750,000 cubic meters of rock at perhaps an average of 5.5 % graphite are expected to show up, and be available to process.?**

**We envisage extracting from an open pit of say 850m's by 550m's and average 150m's deep, these above dimensions reduces to 70,125,000 cubic meters. Efficiency would indicate us mining by using rock drills, blasting, loading and hauling out of the pit. Refining will require crushing, and then by floatation to separate the Graphite inclusions from the host rock.**

## **Report on the Superior Group**

**Oct. 19th, 2002**

**Today, we went to the Slocan up Hoder creek to do the 0 and 100 West line both ending at the Frieda creek. 81 station were read and recorded.**

**This completes three "complete" lines from Knight Creek to Frieda Creek. The data has to be reduced so a map can be drawn. It seems that, we have long conductors stretching from Frieda Creek all the way to Knight Creek.**

**Below the main showing, there is at least one more band of graphite bearing marble and possibly more layers, but because of the overburden they are not obvious. To find out, the grid should be extended and more geophysics should be done. Also the showings should be trenched across the strike so that the true widths can be established. This is necessary to make an informed estimate of the volume or tonnage of the deposit. It seems the more we look, the more places show up where there is graphite bearing rock.**

**As far as tonnage is concerned, at the present time with the information we have, our speculation is that there is a further chance for another 30 Million tonnes, if the lower bands and the bands North of Frieda creek and also north of the creek which is about 2 km further north of Frieda creek are included and they all have economic grades, these quantities might prove very possible.**

## **Report on the Superior group of claims**

**Oct. 18th 2002**

**This morning, we did the survey on the 200 S line from 0 to 780 S at Knight Creek. Station spacing was 10 Meters.**

**After that I took readings from the Baseline ( 0 ) north to 410 N which ends at Frieda creek.**

**This was the furthest west line and also the highest line, which was brushed out last year by myself and Mossess.**

**Tomorrow we will finish the zero and 100 W line, which both end at Frieda creek. Then, if time permits take readings on the Baseline from the main showing down to Hoder creek which is in an easterly direction.**

**The data has to be processed by Gord then in Toronto and also the map composed, which will be part of the Assessment report. The pictures from the Fortune claims have to be taken at a later time. possibly next week if weather permits.**

**At the Superior Group the grid should be extended east of the main showing for at least three or four lines at 100 M spacing. This would allow us to see if there are more conductors which could be also graphite bearing. The whole area around the Main showing has not been properly evaluated and explored. This is the best place of all the Group to concentrate on and probably will yield the best results.**



## **Report on the Superior Group of claims**

**Oct. 17th 2002**

**Today, because Seattle was not in service, we used the Cutler Main station for the survey. Also, the Hawaii station, was working but it quit at about 12:30 pm and no more signals were being received. We have the readings but have not been able to do the data reduction, as yet.**

**The readings on the other frequency is corroborated by the later readings that we took this pm. This indicates that there is probably a long continuous layer and since it is where the graphite is, most likely the graphite also goes the full lenght of the indicated conductor. If this is the case, the tonnage in the main showing could be a total up to 30 Millon tons. This would be the maximum provided that the dimensions of the graphite bed measures about 1000M by 30M and could be mined to 1000M downdip. This is a maximum estimate and assumes that all the mined rock would be ore grade, and that the spoil (tailings) would be filled back into the stopes.**

**Tomorrow, we take the readings on the upper ( 200W) line and then we take the readings for the reminder of the time towards the Frieda creek from the zero base line, to the north.**

**Enclosed herewith is the statement of some of the expenses which were paid out.**

## **Report on the Superior Group of claims**

**Oct. 16th 2002**

**This morning, we went to the Slocan Valley and VLF - EM surveyed the 0 and 100 W lines just above the main showing and to the south. The lengths of the lines were 700 and 730 meters.**

**A total of 150 readings were taken and recorded in the field book. The area is between Knight Creek to the south of the main showing and the Main showing. So far, the readings suggest a big flat sheet lying along the side of the mountain. This is what we prefer, since it would mean that the graphite horizon is possibly going all the way to the creek.**

**We need more readings and there is the 200 W line higher up which we will do on Friday.**

**Tomorrow, since the Seattle station is shut down, we can try another crystal and see if we get a different response, since the ideal direction of the strike of the veins should be towards the transmitting station. Also, we could cut one or two lines and flag the stations on them. This depends on how dense the underbrush and the alders are.?**

**The trailer was dropped off in Salmo by Mikes RV and it is parked in place. So all that is left to do is to put on the roof structure and the tarps for the winter to prevent the snow from damaging it.**

**Sept. 21st 2002**

**Report on the Prospecting traverse on the Superior Group in the Slocan Mining Division.**

**Start at creek at 11U 0444095 UTM 5509370 go to highest point where the creek levels out, collect sample at 11U 443553 UTM 5508961.**

**Sample at 11U 0443582 UTM 5509016 below small waterfall.**

**Sample at 11U 0443616 UTM 5509079 also below small water fall.**

**Sample at 11U 0443653 UTM 5509112 also below a bigger waterfall.**

**Most of the samples were below or in waterfalls because the rocks were the graphite is is very hard and resistant to erosion. This is the same than yesterday and the thickness of the layers must be established to see if they are economical.**

**Sept. 20th 2002 (24)**

**Report on the Prospecting traverse on the Superior Group on the Slocan Mining Division.**

**Small graphite band on creek at 11U 0443921 UTM 5509342.**

**Start on creek at 11U 0444095 UTM 5509370 Graphite band across creek at 11U 0443964 UTM 5509374 Sample was taken.**

**Sample on rockcliff 50 m southeast of creek.**

**The graphite is in gneissic schist which is very hard. The crystals seem to be of good quality and grade but need further evaluation if the volume is enough to be economic.**

**Sept. 19th 2002 (23)**

**Report on the Prospecting traverse on the Superior Group on the Slocan Mining Division.**

**Start at 11U 0444095 UTM 5509370 on creek about two km NW of Frieda creek, part of the mountain was burned off many years ago. prospect up on creek to 1512 m. where creek levels out into a valley. There are several bands of graphite, at least four look good and have good graphite but it is in gneissic schist, which can be very hard and brittle.**

**A sample has been taken at 11U 0443675 UTM 5409135 no elevation since only three satellites were available in the ravine.**

**Tomorrow more samples will be collected from the remaining bands. The bands cross the creek fairly high up from the road. And have not been mapped previously.**

**At the spring runoff it would not be possible to go up in the middle of the creek because of very high water and the danger of falling into the creek which would be fatal because there are falls up to 15 m ( 50 feet ) high.**

**Sept. 18th 2002**

**Report on the Prospecting traverse on the Superior Group in the Slocan Mining Division.**

**Location at Spring 11U 0447001 UTM 5496900  
Start at Springs and work uphill to trace where the extra water in the ravine comes from.**

**At 11U 0446958 UTM 5497146 a small band of graphite crosses creek.**

**At 11U 0446605 UTM 5496990 at end of Branch 20 road small pieces of graphite in rockband beside the road.**

**At 11U 0446536 UTM 5496112 on the Main Koch face road a small band 20 cm of graphite.**

**We took pictures of the spring and also a couple of small bottles of water was taken. It has good taste but the flow of the spring may at the present not be big enough to be commercial. In future any spring which is a mineral water spring may be valuable no matter how small the water flow is.**

**Sept. 17th 2002**

**Report on the Prospecting traverse on the Koch Group  
in the Slocan Mining Division.**

**Prospecting and locating the spring. The calcarous tufa spring is located at 11U 0447061 UTM 5496975. The size of the tufa is about 15 Meters (50 feet) by 6 Meters (20 feet) the flow of the spring is about 1.75 Liters per 3.5 Seconds or one Liter every two seconds which works out to about 43,000 liters in a 24 hour period ( per day ) or 15,500,000 liters per year. We will taste the water tomorrow and bring some samples with us. Also we take a few pictures from the site and also trace the small streams besides the spring higher up if they are springs or if they just are surface water. We took five samples with a 1.75 liter container and it averaged out to about 0.5 liter per second. The flow of those deep underground spring usually does not change very much during the year and it can be assumed that the amount of water flowing is probably constant over the whole year. This spring may qualify as a true Mineral Water Spring if the test show a certain amount of trace minerals, which must be present in order to be advertised as a Mineral Spring Water.**

**About 50 Meters east of the spring we found a band of graphite bearing schist and took samples for the lab. The flakes appear to be of good quality and grade.**

**Sept 16th 2002**

**Report on the Prospecting traverse on Koch Group  
in the Slocan Mining Division.**

**Prospecting along the creek from near the top of the  
Koch 2 claim. Start of the line 11U 0445626 UTM  
549626**

**The creek bed is not very pronounced and bedrock  
is not visible in many places. Where the rock is out-  
cropping it is of gneissic character. No graphitic rock  
was seen either schists or marble who would be the  
rocks which have the graphitic horizon. The graphite  
band which was seen above the branch 10 road crosses  
the creek and the Kock face access road under over-  
burden most likely. There is only one more place left  
which a small dry creek where there is a chance of finding  
the graphitic band which is higher up where we found  
a graphitic sandy boulder.**

**After that we can look up and see one small water stream  
running of the side of the mountain and see if it is a spring  
or if it just a part of a creek. Thats the only possibility in  
the area for a natural spring which we have come across.  
If there are other springs they are hard to find because  
they may come out anywhere and could be anywhere on  
the side of the mountain where all the trees and the bushes  
grow. Just because there is a small stream coming down  
is no indication that it is a spring. It usually fed from up  
higher up either from a swamp or oozes out from weathered  
rock.**



600  
2

Sept. 13th 2002

Work on the Koch 12 and Koch 13 claims cut more lines. There are no rock which have any mineralization The main rock is granit. Only further east the horizon where gneissic and schists are present. Tomorrow the claims are finished.

I was at the Salmo Hotel. The daily rate is about 48.00 the weekly rate about 175.00 and the monthly rate is about 475.00

The phone # is 250 357 9414 the fax is 250 357 9442  
The Managers are Darren & Dawn Rollick I think this is the best place for Gord. You can make the booking arrangements from your office. I have not been able to find anybody for the proposed drilling yet. I get in touch next week with the Mining Division in Cranbrook and I will enquire about the requirements for the drilling. Also since the area is on the Regional Districts Landfill site they also have to be notified for any work on their site.

Please give me Gord's itinerary so I can pick him up at the Airport in Castlegar.

Sept. 12th 2002

**Start the connecting claims to join the Koch Group and the Superior Group.**

**Find the location where to place the LCP for the Koch 12 and Koch 13 claims and then start cutting the lines. The access is difficult all the old logging roads are grown in but we reached the place.**

**Tomorrow continue with line cutting and also prospecting if there is any signs of graphite bearing lime stone.**

1-888 511 123

- TERY -  
BIZ INFO.  
416-442-2006

Curator

1-880 667

4803

**Sept. 11th 2002**

**Report on the Prospecting traverse on the Superior Group in the Slocan Mining Division.**

**Start of line 11U 0444665 UTM 5506543**

**Some minor graphitic sandstone 30 cm wide probably the highest in the strata.**

**Big long Boulder field reaches up to the summit ridge mostly feldspar pegmatite and some gneissic rock**

**Top of saddle 11U 0444875 UTM 5505814**

**Then over the summit some more boulder fields but no schists or marble horizons at all.**

**Turn around at the upper lake of knight creek below the summit of Mount Heimdal. This is very much above the rock horizon where graphite occurs.**

**The next three days the Koch link claims will be staked. Sixteen units are required to join the Koch group with the Superior group. So the Assessment can be distributed among all the claim regardless where the work is done on the individual claims.**

**Sept. 9th 2002**

**Report on the Prospecting traverse on the Superior Group in the Slocan Mining Division.**

**Start of line at Knight Creek 11 U 445840 UTM 5506100**

**Graphite horizon at 1601 M 11 U 445574 UTM 5505753  
Take three samples**

**Boulder field at 11U 445464 UTM 5505701 Graphite in marble boulders some are up to 1 M across. Also three samples were taken.**

**Also the next scree slope has marble boulders with graphite  
A band of graphite is most likely higher up where the cliff band is**

**Go down at very heavily vegetated avalanche funnel lot of overburden covers rock. The main showing most likely crosses the slope there.**

**End of line at trail at 11 U 445720 UTM 5506100.**

**Aug. 31st 2002**

**Report on the Prospecting traverse on the Amar Group in  
the Slocan Mining Division.**

**Locate the Final Post on the Guila and Elie claims by GPS  
at 11U 0447930 UTM 5503878**

**Start of traverse line at 11U 0446625 UTM 5505997**

**Sample of feldspar pegmatite at 11U 0446688  
UTM 5505957**

**IP of Amar and Gracie at 11U 0446756 UTM 5505957**

**End of line at 11U 0446641 UTM 5505471**

**No where was there any marble or graphitic schists seen  
we were possibly below the horizon where the graphite  
occurs**

**An eight person fire suppression crew from the BC Forest  
Service moved in on Friday afternoon and the fire was  
finally put out by one pm on Saturday, then the crew left  
back to their base in Slocan City.**

**Aug. 30th 2002**

**Report on the Prospecting traverse on the Amar Group in the Slocan Mining Division.**

**Continued to cut out brush on the access road. The road is over 1000 m long and the brush is heavy on both sides. Alders up to three inches across. As we got to the top of the road the fire which we reported yesterday was still going and we could see small flames. We went into the forest and the fire was smoldering on the ground. It covered an area of about 30m by 50m and it was still spreading because it burned into the ground we had no choice but to report it again to the Forestry. But the new rules require that all the fires in BC are reported to the Fire Center which for the region is in Castlegar. We were advised by one of the persons in the office that if the fire is not reported this is an offense under the Criminal Code and is a punishable offense. There were some problems on the front desk and we supplied them with information we had from our own aerial photographs with a map from the Slocan Forest Product and with GPS position which we had to provide also in Lat and Long. The whole area is now accessible and we can start on the prospecting traverses. Also the fire is on the Amar claim that's why we made sure that it is reported to make sure there is no problem later on if we work there and it would get bigger and possibly burn down the whole mountain side.**

**Aug. 29th 2002**

**Report on Prospecting traverse on the Amar Group in the Slocan Mining Division.**

**Drive to the fork up on the property which branches off to the Amar Group. 11U 0446017 UTM 5406444. Road is all grown in with alderbrush. Before road is passable alderbrush has to be cut out. Also a big mudslide is in the beginning of the road across the bridge. A big stump blocks the road and has to be removed.**

**Start of access line to I.P. Amar and Gracia 11U 0446464 UTM 5405781. End of road where brush stops 11U 0446831 UTM 5505781.**

**Found twenty drilling rods from Winkie drill where the drill core boxes are. Loaded them on the truck to bring them to the Lemon Creek Lodge. Also there are almost all the water hoses still in the bush. They should be also taken away.**

**Began to cut brush on access road.**

**A forest wild fire was spotted close to where we worked and we had to go to report it to Slocan Forest Products in Slocan City.**

**Aug. 28th 2002**

**Report on Prospecting traverse on the Koch claim group  
in the Slocan Mining Division.**

**Start of line in the ravine, mature trees blocked out satellites  
for GPS readings. GPS positions only at road crossings.**

**At start of line tufa rock float from higher up indicating  
probable marble layer. Also springs about 300 m to the SW  
with tufa indicating the same marble layer.**

**Creek crosses road at 11U 0447435 UTM 5497114**

**End of line at 11U 0448049 UTM 5497114 on Main Road.**

**All driveable roads have been checked out for graphite  
horizons on the rock outcrops but only one was seen at the  
Koch Main Road. All lines which were traversed have all  
been flagged with flagging tape.**



**Aug. 27th 2002**

**Report on Prospecting traverse on the Koch claim group  
in the Slocan Mining Division.**

**Start of line 11U 044610 UTM 5497426**

**Cross permanently deactivated logging road. All rocks so  
far are of gneissic character. No graphitic horizons. No  
satellites for position because beeing in deep reveen.**

**At 11U 0446887 UTM 5496774 Graphite bearing strata  
Boulder 4 - 5 M across, heavily metamorphosed and silicified.  
Another layer about 5 to 8 m lower in bedrock with marble  
horizon. and graphite layers about 10cm across. Then about  
10m further down some more graphitic layers in schists.**

**crossing logging road at 11 U 0446929 UTM 5496733**

**End of line at Main Road.**

**Aug. 26th 2002**

**Report on Prospecting traverse on the Koch claim group in the Slocan Mining Division.**

**Start of line at the Slocan Forest Trunk Road  
11U 0448110 UTM 5497122.**

**Koch 2 corner post E5 N4 at 11U 0448158 UTM 5497775.  
Giant Boulders outcrop about 5 to 8 M across  
All gneissic. Clearcut starts about 50 M west of corner post.**

**End of clearcut 11U 0447538 UTM 5497789 Many small  
boulders and outcrops, all are gneissic. Start of down line  
at about 11 U 447449 At the start of the  
south line 100 M down there is a 15 M cliff rock is granit  
which is above the graphit horizon.**

**Creek and line crosses logging road 11 U 0447449  
UTM 5497468 Follow logging road to 11U 0447391  
then start to go down.**

**End of line at Main Slocan Forest Trunk road. All the lines had  
heavy overburden. All outcrops were gneissic. No marble  
horizon was seen. Suggest to prospect the last two creeks down.**

**Aug. 24th 2002**

**Report on Prospecting traverse on the Koch claim group in the Slocan Mining Division.**

**Walk and climb along at the bottom of the cliffs to where the traverse line starts. Start from 11U 0446098 UTM 549733**

**Cliffs are granitic also some are gneissic. Bottom of 15 m cliff This looks to be above the horizon where the graphite occurs 11U 0446492 UTM 5497288.**

**Start of traverse line. 11U 0446727 UTM 5497174 Logging road ends here.**

**Road crossing 11U 0446723 UTM 5497044**

**Overburden with small rock exposures all gneissic character.**

**Line crosses 10 m below logging road. Road is deactivated after this point. 11U 0446697 UTM 5496712**

**Start of large clearing 11U 0446726 UTM 5496441**

**Graphite in marble. Horizon of marble is several feet wide 11U 0446842 UTM 5496166**

**End of line 11U 0446782 UTM 5495557**

**A Boulder about 20 cm across of silicified limestone was found on Branch 10 Road. It was a float, but could also came down from up higher. This could mark another layer of limestone. 11U 0447287 UTM 5496991**

**Aug. 23rd 2002**

**Start of line and also of clearcut 11U 0446078 UTM 549733**  
**The line starts below a series of cliffs. Boulders from the cliffs**  
**are all gneissic.**

**11U 0446096 UTM 5497130 End of clearcut.**

**11U 0446075 UTM 5496486 Start of clearcut to the east and**  
**south. All in overburden ,Boulders all are gneissic.**

**11U 0446140 UTM 5495889 Line crosses creek and logging**  
**road. Rock outcrops are of gneissic character.**

**11U 0446009 UTM 5495039**  
**Road crossing. All in overburden**

**11U 0446035 UTM 5495039 End of line at Slocan Main**  
**Hauling**  
**Road. All of the line in overburden exept on one place.**  
**No graphite bearing marble or gneiss was seen due to the**  
**over-**  
**burden.**

**Aug. 22nd 2002**

**Report on Prospecting traverse on the Koch 2, 7 Mineral claims**

**Tenure # 387977 and 387942 in the Slocan Mining Division.**

**Start of traverse line 11U 0445299 UTM 5497377.**

**6 M Granite cliff at 11U 0445293 UTM 5497013.**

**20 M Granite cliff at 11U 0445255 UTM 5496940.**

**Road crossing 40 M south of 15 M Granite cliff at 11U 0445283 UTM 5496852.**

**Start of big clearcut area 11U 0445287 UTM 5496561.**

**Outcrop in clearing granite with feldspars 11U 0445287 UTM 5496503.**

**Outcrop layered gneissic rock 11U 0445287 UTM 5496412.**

**Sample # 7 gneissic rock with lot of biotite 11U 0445284 UTM 5496316**

**Sample # 8 Gneissic rock 11U 0445265 UTM 549609.**

**Bottom of bowl rock outcrop gneiss 11U 0445270 UTM 549686.**

**Big boulder about 25 M across gneissic rock 11U 0445239 UTM 549568.**

**End of traverse line 11U 0445135 UTM 5495096**

**Aug. 21th 2002**

**Report on Prospecting traverse on the Koch 2,9 Mineral claims  
Tenure # 387977 and 387987 in the Slocan Mining Division.**

**Locate Common Legal Corner Post for Koch 1,2 and 1P for  
Koch 3, 7 Two Post Mineral claims. 11U 0445632 UTM  
5495709.**

**Start of traverse line 11U 0444636 UTM 5497636.**

**Start of clearing 11U 0444644 UTM 5497636.**

**Sample # 3 Location on ridge with small outcrops 11U 0444656  
UTM 5497180. Sample is granite with feldspar inclusions.**

**Cross logging road at 11U 0444686 UTM 5496915.**

**Road crossing at 11U 0444680 UTM 5496681.**

**Road crossing at 11U 0444621 UTM 5496431.**

**At 11U 0444619 UTM 5496344 on the Koch 2 claim found float  
with layers of graphitic gneiss about 10 cm across.**

**End of line at 11U 0444386 UTM 5495667.**

**Outcrop along Main logging road at 11U 0444189 UTM  
5495916.**

**Outcrop on Main Logging road at 11U 0444124 UTM 5496011  
with graphite crystals in gneissic schists.**

**Aug. 20th 2002**

**Report on Prospecting traverse on the KOCH 2 Mineral claim  
Tenure # 387977 in the Slocan Mining Division.**

**Start at 11U 0443122 UTM 5497334 .**

**At 11U 0443121 UTM 549726 Granit Boulders with large  
feldspar phenocrysts. Ground is covered generally with over-  
burden.**

**At 11U 0443124 UTM 5497334 Rock outcrop 50M X 150M  
Granite with some biotite layers up to several inches wide.**

**At 11U 0443136 UTM 5497658 Granite with feldspar crystals  
and increasing biotite content.**

**At 11U 0443318 UTM 5497694 50M X 50M Rock outcrop  
with feldspar crystals.**

**Start line down at 11U 0443694 UTM 5497621**

**Cross canyon at 11U 0443300 UTM 5497100 exposed rock  
takes on slightly gneissic character.**

**Beyond canyon no more rock outcrops.**

**Slope gets less steep as valley bottom is approached. Also no  
more rock outcrops exept where ridges go all the way down to  
the valley.**

**Two rock samples were taken and they show that the character  
of the outcrops are generally the same. As we go east the rocks  
are increasing metamorphosed .No marble has been seen so  
far.**

**Aug. 12th 2002**

**Report on Prospecting traverse on the Koch 2,9 Mineral claims  
Tenure # 387977 and 387987 in the Slocan Mining Division.**

**Locate Common Legal Corner Post for Koch 1,2 and IP for  
Koch 3, 7 Two Post Mineral claims. 11U 0445632 UTM  
5495709.**

**Start of traverse line 11U 0444636 UTM 5497636.**

**Start of clearing 11U 0444644 UTM 5497636.**

**Sample # 3 Location on ridge with small outcrops 11U 0444656  
UTM 5497180. Sample is granite with feldspar inclusions.**

**Cross logging road at 11U 0444686 UTM 5496915.**

**Road crossing at 11U 0444680 UTM 5496681.**

**Road crossing at 11U 0444621 UTM 5496431.**

**At 11U 0444619 UTM 5496344 on the Koch 2 claim found float  
with layers of graphitic gneiss about 10 cm across.**

**End of line at 11U 0444386 UTM 5495667.**

**Outcrop along Main logging road at 11U 0444189 UTM  
5495916.**

**Outcrop on Main Logging road at 11U 0444124 UTM 5496011  
with graphite crystals in gneissic schists.**



**Aug. 7th 2002**

**Report on the Prospecting traverse on the Amar Group  
in the Slocan Mining Division.**

**Go to the Koch Group and collect more samples to have  
enough if required to send to two labs and one to the office**

**Start of line at 11 U 0447315 UTM 5504774, climb up to  
small cliff, there is only feldspar pegmaties. No schists or  
marble was seen.**

**Start down on creek very steep and full on fallen trees. Also  
no schists or marble was seen on the top but a few schists in-  
clusions are lower down.**

**There is a good possibility graphite bearing layers are on the  
Amar, Gracia, Nissim and Emile claims. Since they are to  
close proximity to known graphite bearing layers of the  
Superior Claim Group.**

**Aug. 6th 2002**

**Report on the Prospecting traverse on the Amar Group  
in the Slocan Mining Division.**

**Start of line at 11 U 447713 UTM 5504342**

**This is a very steep draw and a lot of rock is exposed. Most  
of it is feldspar pegmatite. There are small layers of gneissic  
schists up to 50 cm thick.**

**There are no graphitic horizons or any indications of marble.  
The whole zone is probably below the graphite horizon.**

**The line finishes 100 m west of the bridge over the Hoder  
creek.**

**Retrieved all 1700 feet of water hoses which have been left  
on the trail to Knight creek. Also coiled them up and tight  
them for transport.**

**Aug. 5th 2002**

**Report on the Prospecting traverse on the Amar Group  
in the Slocan Mining Division.**

**Start of line 11 U 0446651 UTM 5505470  
than climb up creek bed. Pegmatite with feldspar all the  
way up on creek to 11 U 446410 UTM 5505148**

**Graphitic schist layer at 11 U 446424 UTM 5505056  
This layer is about 1m thick and is almost horizontal  
across the slope. This layer is about at the junction of  
the Nissim, Superior and Crystal Graphites Mill 24 claim**

**From there across the slope towards the big cliff many  
small pieces of graphitic schist are on the scree slope, it  
suggests that the main showing on the Superior Group  
may go that far south.**

**On the way down there are several more places where  
loose graphitic material is on the scree slope.**

**Finish at road at 11 U 0446651 UTM 5505470**

