PROSPECTING & DRILLING REPORT
ON THE PLANT GROUP MINERAL CLAIMS

Slocan Mining Division, B.C.

082F052/062

UTM 5495000N, 445000E

for

CRYSTAL GRAPHITE CORPORATION

Suite 1750 – 999 West Hastings Street

Vancouver, B.C.

V6C 2W2

by

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Consulting Geologist

January 2001

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SUMMARY

During the 2001 field season consulting geological staff from Crystal Graphite Corporation determined that Calc–Silicate hosted Graphite mineralization occurs on the Plant Group mineral claims, which is similar to that found at the company's Black Crystal project area which is some 20 kilometres to the north. After discovery, trenching was done on a showing which was found close by the company's Hoder Creek beneficiation plant, followed by limited prospecting, and rudimentary geological mapping. Eventually management decided that the discovery warranted follow-up work, and two short drill programs were initiated.

Omineca belt high grade metamorphic rocks of the Valhalla assemblages underlie the property. Upper amphibolite facies Calc-Silicate rocks are the host for the disseminated graphite mineralization encountered locally. Numerous discontinuous pegmatitic sweats and discontinuous pegmatite dykes cut the local rock, being pene contemporaneous to the metamorphism which reportedly culminated during the Late Cretaceous. Calc–Silicate rocks which host graphite mineralization of interest similar to those encountered at the Black Crystal area are noted to occur here.

As noted above after an initial trench, limited prospecting and mapping, 5 diamond drill holes were drilled on the property for a total of approximately 233 metres of NQ size hole. The core generated from this program was logged, and prospective zones were split, and shipped to Bondar Clegg in Vancouver where they were prepped and analyzed, utilizing a Leco analyzer. A total of 50 samples were generated in the course of the drilling program. In November a two hole conventional down the hole hammer drilling program was undertaken, which totaled approximately 216 meters of 6" hole. Chip samples were taken every 1.5 metres, and the more prospective samples were prepped and analyzed at CGC's laboratory facility at the Hoder Creek Plant.

A two phase exploration program is proposed for the property. The first phase would consist of geological mapping and prospecting in order to possibly determine if other areas of interest are located within the claim area, and to better understand the geology of the general area. The second phase would consist of 500 metres of diamond drilling on targets generated after compilation of the data generated during the first phase of exploration. The total costs for all exploration proposed herein is estimated to be $98,780.

INTRODUCTION

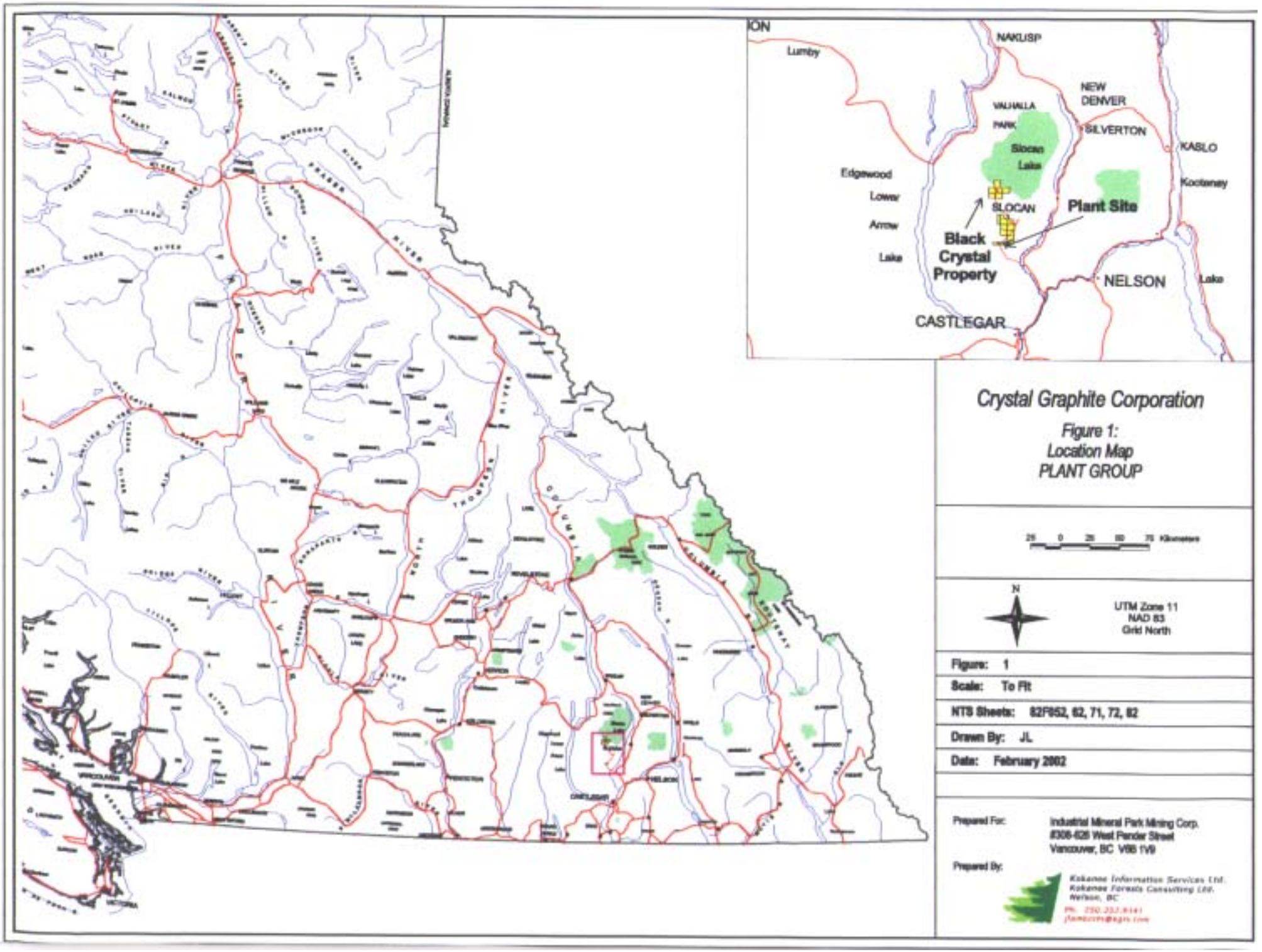
The author was retained by Crystal Graphite Corporation to conduct a program of prospecting, trenching, diamond drill core logging, and conventional down the hole hammer drilling on the property, and finally to summarize the events of the exploration program in this report. James Chapman P.Geo spent a part of the month of September on the property.

Location

The area of interest on the property is roughly centered at UTM coordinates 5495000N and 445000E, or 49°36'00" north latitude, and 117°45'00" longitude, and is approximately 30 kilometres north of Castlegar, or approximately 11 kilometres northwest of the village of Passmore (Figure 1). The property is located in the Valhalla Range of the southern Selkirk Mountains, and is displayed on NTS map 82F/12, or Trim maps 082F052, 062.

Access

The property is accessed from Highway #6 turning west on Passmore Upper Road just south of the village of Passmore, and then turning on to the Little Slocan Forest Service Road (F.S.R.) after approximately 4 kilometres. One then travels another 10 kilometres on this road before turning west onto Koch Creek F.S.R. and traveling approximately another 700 metres to the entrance to Crystal Graphite's beneficiation plant. Alternatively one may leave highway #6 at Slocan City, traveling southerly on the Little Slocan F.S.R. approximately 34.5 kilometres to the Koch Creek F.S.R. junction. Access to the various other points on the


ION
Lumby
NAKUSP
NEW DENVER
VALHALLA PARK
SILVERTON
KASLO
Slocan Lake
Edgewood
Lower Arrow Lake
SLOCAN
Plant Site
Black Crystal Property
Kootenay
NELSON
Lake
CASTLEGAR
Crystal Graphite Corporation
Figure 1:
Location Map
PLANT GROUP
25 0 25 50 75 Kilometers
N
UTM Zone 11
NAD 83
Grid North
Figure: 1
Scale: To Fit
NTS Sheets: 82F/62, 62, 71, 72, 82
Drawn By: JL
Date: February 2002
Prepared For:
Industrial Mineral Park Mining Corp.
#308-626 West Pender Street
Vancouver, BC V6B 1V9
Prepared By:
Kokanee Information Services Ltd.
Kokanee Forests Consulting Ltd.
Nelson, BC
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property is achieved by taking numerous logging roads which leave Koch, and the Little Slocan roads, while to get to the upper portions of the property one must take the Little Slocan road a further 12 kilometres from the turnoff to the plant, then go up Hoder Creek approximately 6 kilometres, turn onto Berry Creek F.S.R. and travel approximately 8 kilometres to the claim area. A network of logging roads exists in the general area of the upper areas on the flank of Mt Heimdal. The major forest service roads are normally kept in excellent condition while the others are in decent condition with local poor sections. A four wheel drive truck is advisable on any but the major roads. The alpine areas surrounding Mt. Heimdal are best accessed by utilizing a helicopter, although foot access is possible.

Physiography

The property is located in moderately steep mountainous country. The area of the work reported herein would probably be best classified as montane forest, while the claim block stretches up into sub-alpine to alpine terrain on the southern slopes of Mt Heimdal. Elevations range from 700 metres A.S.L. at the junction of Koch Creek and Little Slocan River, to highs of 2400 metres A.S.L. on Mt Heimdal. A variety of tree species are located on the claims, which are by and large mostly forested, typically ranging from a mixed deciduous/conifer forest comprised of pine of several species, larch, fir, spruce, alder, birch, cottonwood etc.

The property is within the Wet Interior bioclimatic zone. Winter usually extends from November into early April, and in some years a considerable amount of snowfall can accumulate during this period. The majority of the property has a southerly aspect, and is typically snow free from early May until early to mid November, although this may vary depending on yearly conditions. The short summers can be somewhat rainy at times, although conditions during that season are normally quite conducive to performing field work.

PROPERTY

As shown in Figure 2, the property consists of ten two-post mineral claims, and twelve four-post, or modified-grid mineral claims, for a total of 22 claims which cover 192 units. There are several claims owned by other parties within the claim area, so although Crystal Graphite's claims cover an area of 4800 hectares, they effectively control approximately 4560 hectares. Crystal Graphite Corporation holds a 100% interest in these claims. The claims are depicted on B.C. Energy and Minerals Division, Mineral Titles Branch, Mineral Titles Reference Maps 082F052 and 082F062.

All of the claims are presently in good standing, and the pertinent data is provided in the following Table:

TABLE I - MINERAL CLAIMS – PLANT GROUP
SLOCAN MINING DIVISION, B.C.

CLAIM	TENURE NO.	CLAIM TYPE	NUMBER OF UNITS	GOOD TO DATE*
MILL #10	384444	2 POST	1	Jan. 31, 2007
MILL #12	384446	2 POST	1	Jan. 31, 2007
MILL #13	384447	2 POST	1	Jan. 31, 2007
MILL #14	384448	2 POST	1	Jan. 31, 2007
MILL #15	384449	2 POST	1	Jan. 31, 2007
MILL #16	384450	2 POST	1	Jan. 31, 2008
MILL #17	385662	2 POST	1	Jan. 31, 2008
MILL #18	385663	2 POST	1	Jan. 31, 2008
MILL #19	385969	GRID	20	Jan. 31, 2005
MILL #20	385970	GRID	20	Jan. 31, 2005
MILL #21	385971	GRID	20	Jan. 31, 2005
MILL #22	385972	GRID	16	Jan. 31, 2005
MILL #23	385973	GRID	20	Jan. 31, 2005
MILL #24	385974	GRID	18	Jan. 31, 2005
PLANT #1	387588	GRID	4	Jan. 31, 2006
PLANT #2	387589	GRID	4	Jan. 31, 2006
PLANT #3	388758	GRID	6	Jan. 31, 2005
MILL #25	388759	GRID	20	Jan. 31, 2005
MILL #26	388760	GRID	20	Jan. 31, 2005
MILL #27	388761	GRID	14	Jan. 31, 2005
MILL 9R	389737	2 POST	1	Jan. 31, 2009
MILL 11R	389738	2 POST	1	Jan. 31, 2009

*Subsequent to choosing a common anniversary and pending acceptance of this report for assessment credit.

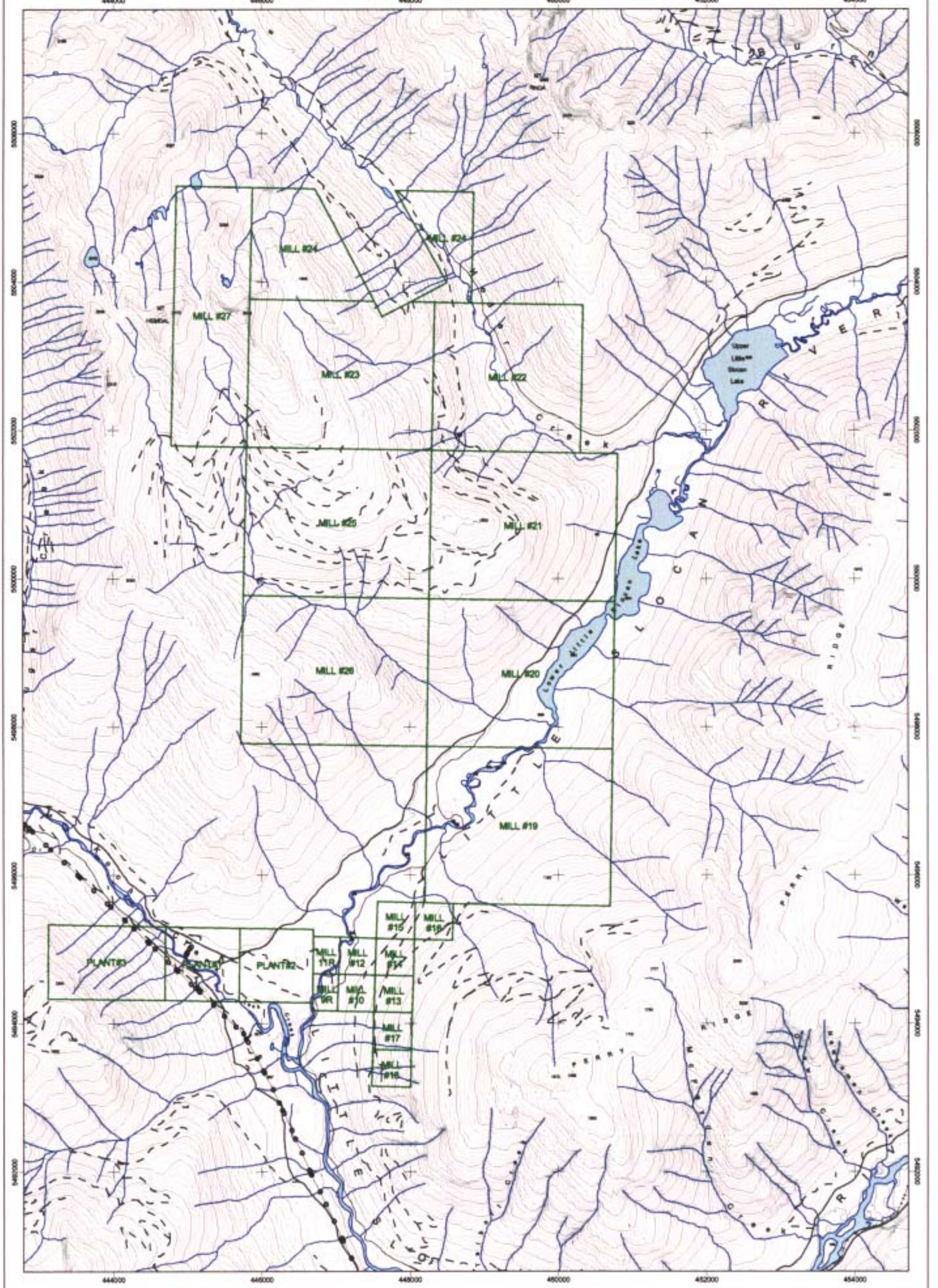

Figure 2 Plant Group Property Map

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HISTORY

While the general area has been the focus of Graphite and Gem exploration for the past decade no known previous exploration work has been performed in the area covered by the Mill or Plant claims. Crystal Graphite Corporation and it's predecessor company Industrial Mineral Park have done considerable graphite exploration work in the Black Crystal Project area which ranges from approximately 13 to 20 kilometres to the north of the claim group. A sizable graphite resource has been delineated on the property, and the company is in the process of applying for a Mine Permit. Immediately to the north of the group lie the Superior Claims, where some graphite exploration work was conducted in the late nineties, culminating in a diamond drill program in 1999. Also, a few kilometres to the east Anglo Swiss Corporation has done considerable work on their Slocan Gemstone Property, exploring for gems and precious stones on their claims in the past several years. In the process of evaluating their claims, they have discovered some thinly bedded Marble and Calc-Silicate hosted graphite mineralization.

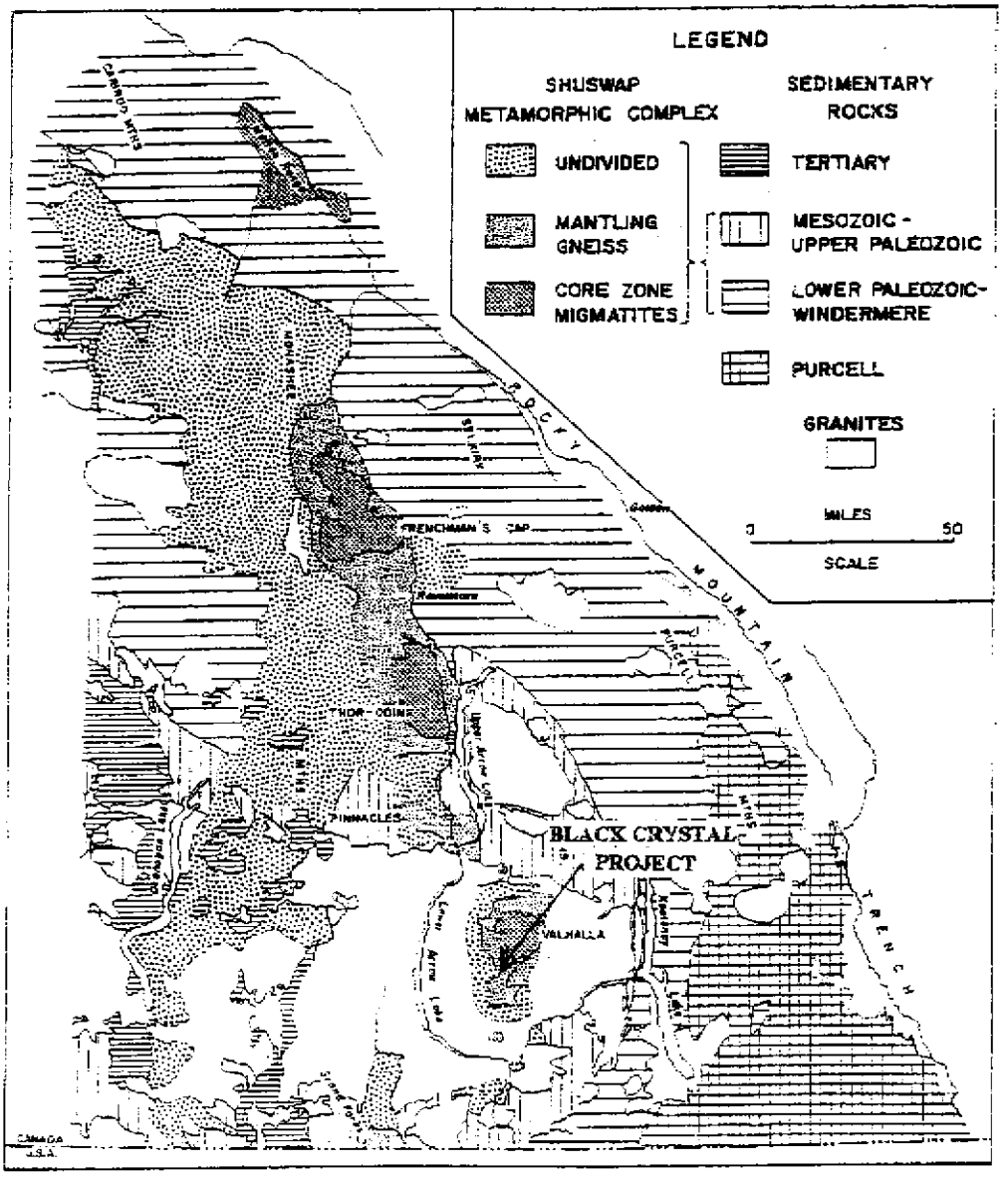
As Crystal Graphite Corporation's beneficiation plant is located on the property, considerable environmental, and other impact studies have already been conducted in the area.

REGIONAL GEOLOGY

The Plant site area is wholly situate within the Omineca Crystalline Belt (Figure 3). This belt along with the Foreland Thrust Belt to the east, the Intermontane Belt immediately to the west, the Coast and Insular belts further outboard make up the five distinct morphogeolgical provinces which comprise the Canadian Cordillera. The Omineca Crystalline Belt is best typified as being an area of extensive tectonic

uplift which is underlain by metamorphosed miogeoclinal rocks, with local rocks which were formed in island arc settings, and subsequently accreted to the margin of the ancestral North American Craton during the Jurassic era. The property itself is located within the Valhalla Complex which is a structural or domal culmination of high grade metamorphic (upper amphibolite grade) rocks. Foliation and outwardly dipping layering define this 30 X 90km gneiss complex which located at the eastern exposed edge of the Shuswap complex. Generally the lithologies contained within the complex are divided into three sheet like layers of variably deformed paragneiss and middle cretaceous to Eocene igneous rocks. Apparently, (Carr etal 1998) exhumation along Eocene normal faults have resulted in a "tectonic denudation" which has given rise to the domal shape of the complex. More specifically the Valkyr ductile extensional shear zone (which arches over the complex) bounds the complex on all but the eastern margin, where the complex terminates against the easterly dipping Slocan-Champion Lake ductile-brittle normal fault. There are three subculminations within the complex, the project being located fairly well centered between the Passmore Dome and the northernmost dome – the Valhalla dome.

Lithologically the Valhalla assemblage in this area consists of an approximately 1.5 km thick, heterogeneous package of upper amphibolite facies pelitic schist, marble, calc-silicate gneiss, psammitic gneiss metaconglomerate, amphibolite gneiss, and ultramafic schist (figure 4). The base of the section is comprised of a sequence of conglomerate, calc-silicate gneiss, and marble interlayered with 50-100m thick units of aluminum poor semi-pelitic schist. The sequence becomes more carbonate rich moving up in the metamorphic section, with metre – thick marbles and calc-silicate gneisses interlayered with quartzites and sillimanite-bearing pelitic schists. It also contains amphibolite gneiss and ultramafic schist, which do not occur in the structurally lower sections. The upper portion of the exposed sequence contains 30m thick marble and quartzite layers. Metasedimentary rocks in the core of the Vallhalla dome generally consist of



Regional geological setting of the Shuswap Metamorphic Complex in southeastern British Columbia.

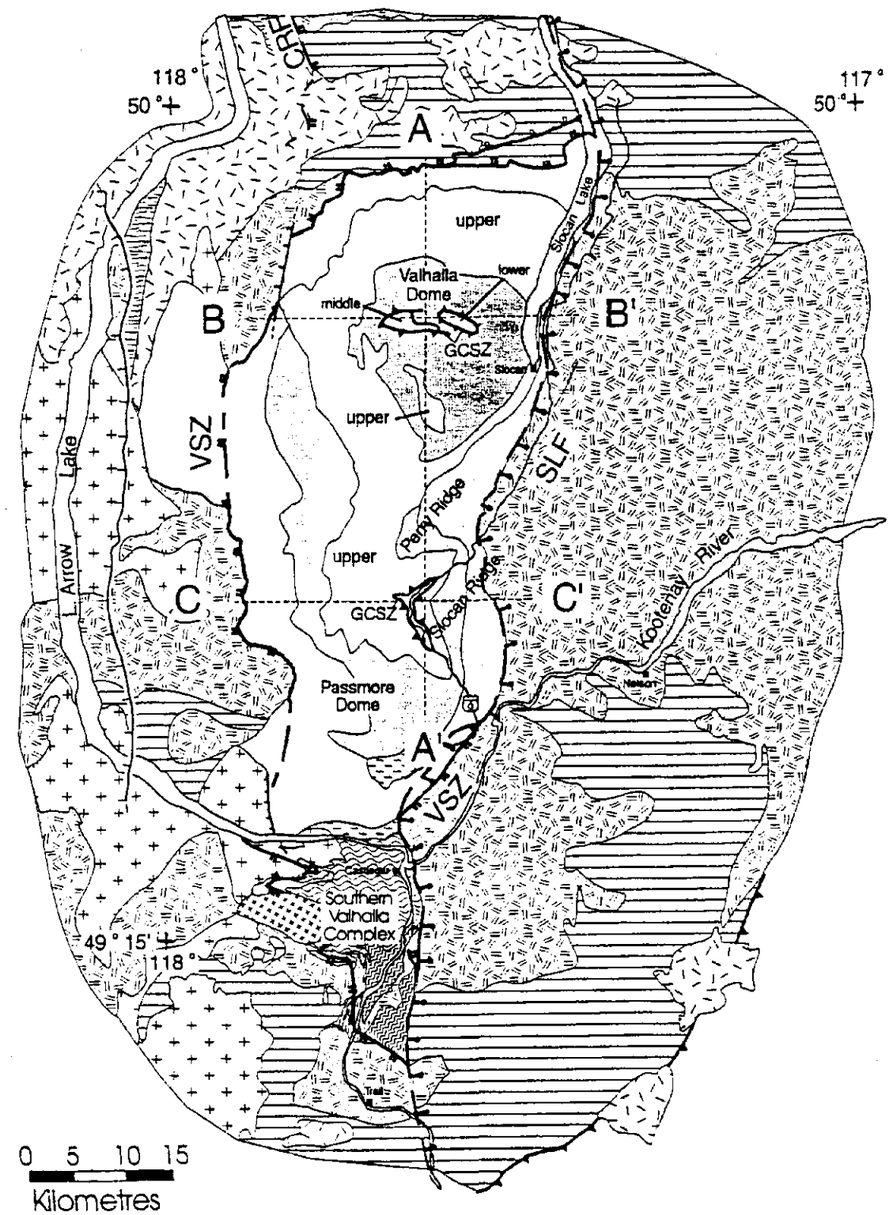
Figure 3 Regional Geology (after Reesor & Moore, 1971)

psammmite, semipelitic and pelitic schist, quartzite, marble, and calc-silicate and apmphibolite geneiss.

Schaubs and Carr (1998) have tentatively correlated the metamorphic rocks in this region with the sediments of the Lardeau trough, as observed in the Goat Ranges (Klepacki, 1985), based on bulk composition, order, thickness (although tectonic thinning of up to 60% would have had to have occurred) etc. More specifically they believe that the Rinda Ridge composite unit correlates with the Index Formation of the Lardeau Group while the Rinda marble (unit 9), and Quartzites (unit 10), correlate with the Index Formation, the Badshot Formation, and Hamill Group respectively. Should this correlation be correct, indications are that the section has been inverted.

PROPERTY GEOLOGY AND MINERALIZATION

To date little detail is known about the geology of the Plant Group, although given the presence of graphite in a Calc-Silicate host, and the general similarities to the rocks of the Black Crystal area, it is felt that this area is underlain also by the upper units identified by Schaubs & Carr (1998). Initial investigations have indicated that the general stratigraphic section may be Calc-Silicate Gneiss, or Calc–Silicate Skarn overlying a Biotite/Quartz/Feldspar +/- Garnet Gneiss footwall. It is possible there is a similar Gneissic hangingwall, but while this has not been positively verified to date, chips from the drilling of Mill0106 indicate that this may be the case. It appears that where the zone has been fully preserved (Mill0106) the Calc-Silicate Gneiss zone of interest is up to 48.5 metres true width. From the few orientations taken prior to drilling, indications are that the strata here strike pretty much due east & dip northerly at approximately 32 degrees. The trench excavated prior to drilling exposed the apex of a tight fold, the axis of which strikes at approximately 89° Az, the south limb dips steeply at 65° while the north limb dips



Upper Plate

- Middle Eocene Coryell syenite, granite
- Eocene College Creek granite
- Late Cretaceous granitic rocks
- Middle Jurassic granitic rocks
- Middle Paleozoic - Early Mesozoic rocks of allochthonous Quesnallia terrane
- Paragneiss - age uncertain

Valhalla complex (Lower Plate)

- Early Eocene Ladybird granite
- Paleocene Airy Quartz Monzonite
- Late Cretaceous Mulvey granodiorite
- Late Cretaceous Kinnaird Gneiss
- Middle Devonian Trail Gneiss
- Metasedimentary rocks
- Castlegar Gneiss

- Thrust fault
- Steep normal fault
- Geologic Contact
- Slocan Lake fault
- Valkyr shear zone
- GCSZ Gwillim Creek shear zones
- CRF Columbia River Fault

Figure 4 Local Geology (after Carr et al. [1987] and Simony and Carr [1997]

at 50°. This folding was identified also in petrographic sample number 3 which was taken from drill hole Mill0101, which is quite close to the trench location.

In the Mt Heimdal area it was noted that a fairly siliceous host rock, which carries a trace of calcium-carbonate, and which probably derived from a carbonate protolith, contained flake graphite mineralization. Here the foliation/relict layering strikes at 331° and dips 13° to the southwest.

WORK PROGRAM

Claims were initially staked in the area prior to the author's engagement as consulting geologist, as it was felt by staff at that time, that the host rocks of the Black Crystal deposit extended down to the general area of the Koch Creek plant facilities. During a cursory examination of the beneficiation plant site grounds the author discovered calc-silicate mineralization ("Beau Zone") somewhat similar to that encountered at the Black Crystal area. Shortly thereafter it was trenched to determine if it was in-situ mineralization or if it was just an erratic. Trenching uncovered a sizable area of outcrop, and it was obvious that it warranted some follow up work. Accordingly staff conducted some prospecting work in the general area prior to starting a 5 hole, 232.85 metre diamond drill program in early September. The core from this program was geologically, and geotechnically logged, and split at Crystal Graphite's facility, and one half sent to Bondar Clegg laboratories in Vancouver for analyses. In all some 50 samples were generated by the NQ diamond drilling. Some prospecting was done during the program, and afterwards, in an attempt to discover more mineralization, or to extend the area of known mineralization. In November a two hole conventional drill program was undertaken utilizing a 152mm down the hole hammer drill. The first of these holes was drilled very close to the plant building, while the second was drilled in close proximity to the location of Diamond Drill hole Mill0104. Sixty-four samples were

Crystal Graphite Corp.
Plant Area Prospecting Map

Secondary Road
Rough Road
Trail
Strike and Dip

Kokanee Information Services
250.352.9141

Scale 1 : 20,000
February 2002

TILL
LOCAL Cs FLOAT
Cs
South Creek
Lake Shore Creek

26818 (2)

Figure 5 Plant Area Prospecting Map

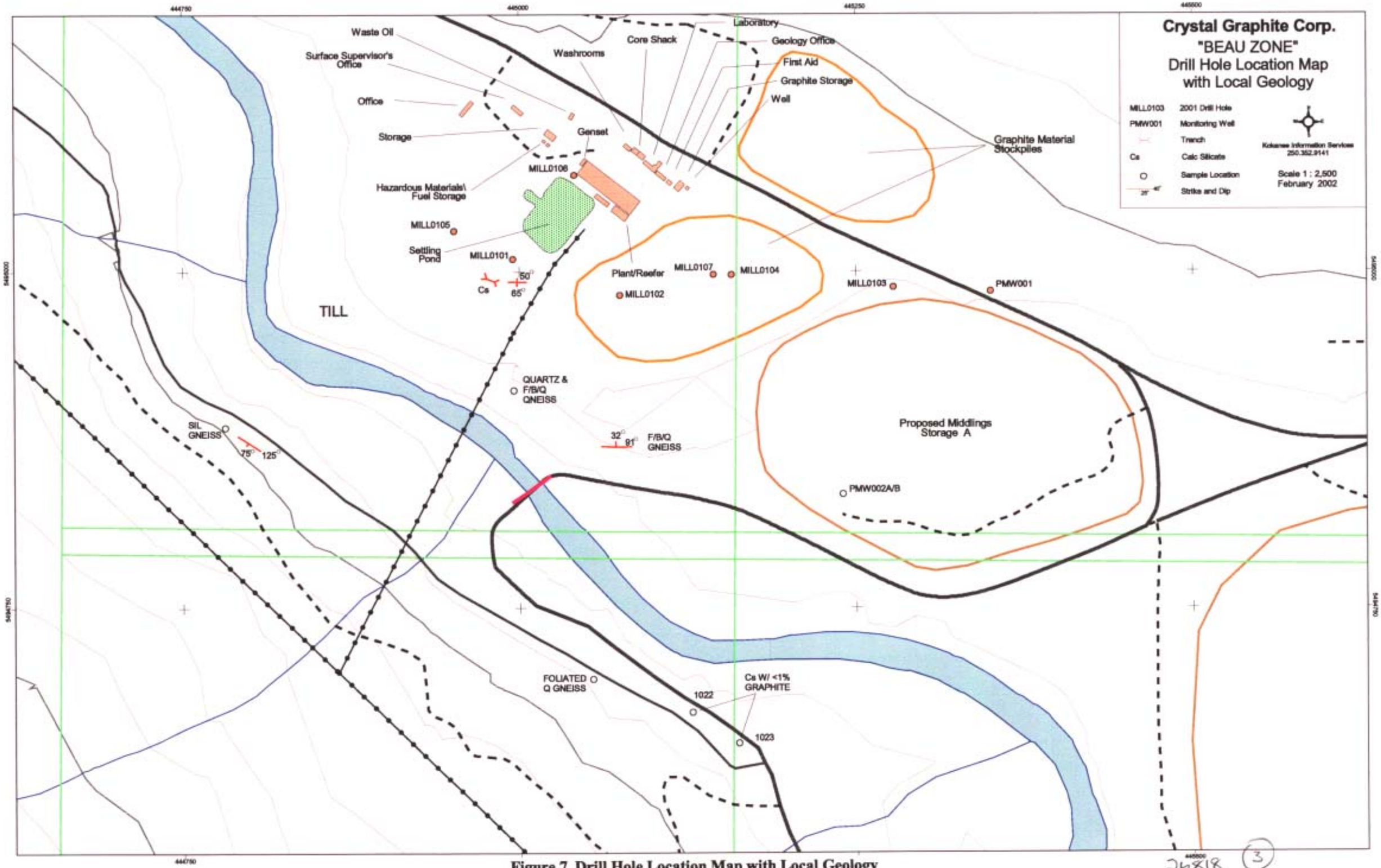


Figure 7 Drill Hole Location Map with Local Geology

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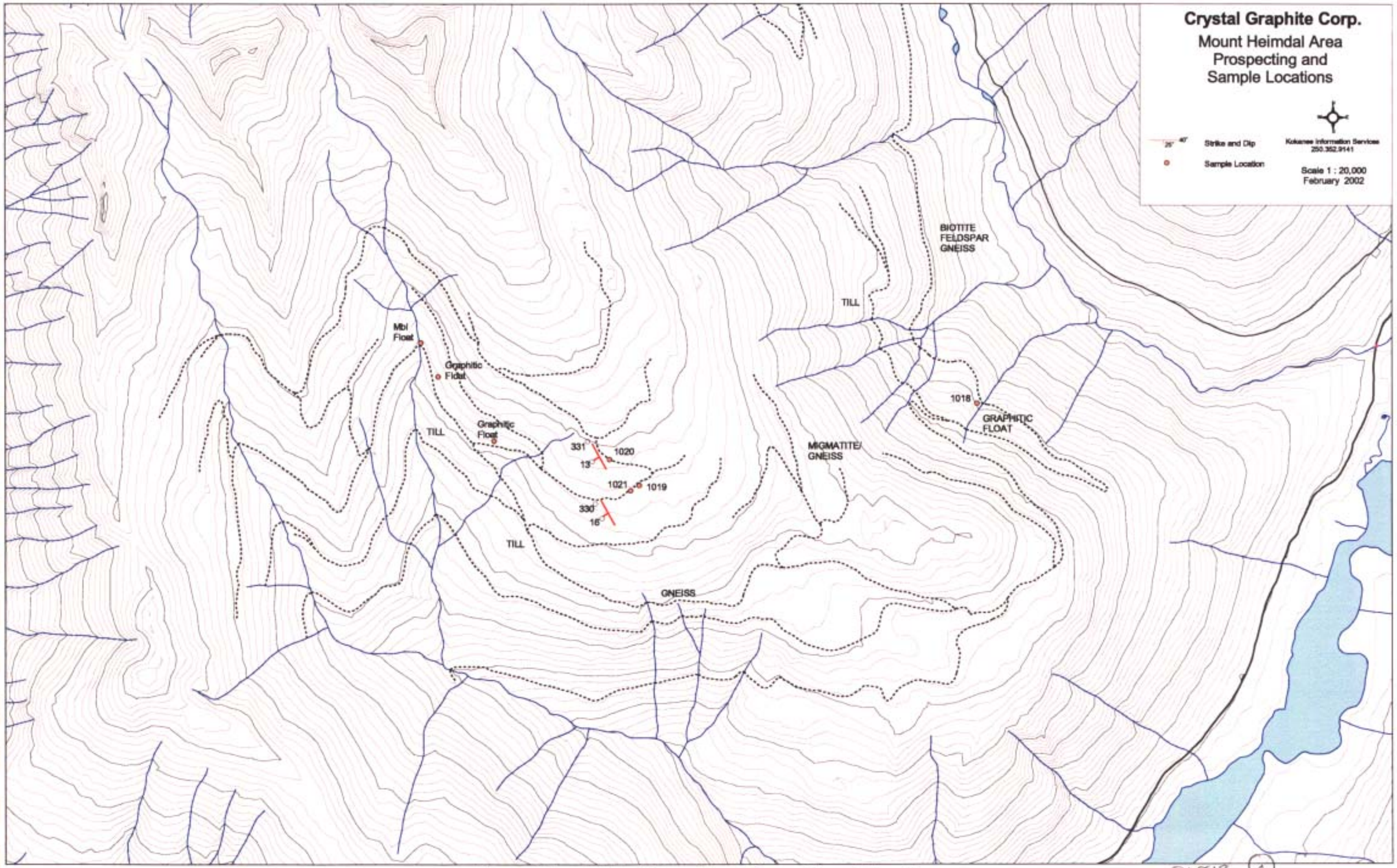

Figure 6 Mount Heimdal Area Prospecting and Sample Locations

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generated from this 216.4 metre drilling program, and they were prepared, and analyzed at CGC's Hoder Creek laboratory.

Also, in September a day of roadside prospecting was conducted up Berry Creek, where the author had noticed a graphite bearing boulder the previous year (sample 1018). Various roads were inspected, and eventually the author, and Mr. Chapman arrived at the east ridge of Mt Heimdal where more graphite mineralization (1019 – 1020) was noted by the author the year before also. On September 9th a helicopter flyover was made over the area. In part the flight was undertaken to determine logistics on the Plant Group, and also several loops were made in the vicinity of the two peaks of Mt Heimdahl, in a search for gossans or other tell-tale indicators of Calc–Silicate (or any other type) mineralization.

All samples were prepared and analyzed at Bondar Clegg in Vancouver, or at CGC's Hoder Creek lab facility. All were assayed utilizing the standard Leco Method. In this procedure after preparation, and hydrochloric acid leaching out of all inorganic carbon in the sample, a one gram sample is vaporized in a high frequency induction furnace. The gasses produced are then passed through a cell, where an Infrared detector determines the amount of absorption of IR energy by carbon dioxide, and then the onboard computer uses this information to determine the Total, or Fixed Carbon (FC) contained in the sample.

DISCUSSION

Prospecting and geology to date have determined that a shallow to moderately northwesterly dipping graphite bearing unit or units occur in several locales on the property. Locally the graphitic host rock may be siliceous with little calcium carbonate, or it may be more calcareous, and lithologically similar to the Calc-Silicate host rocks seen in the Black Crystal area. Bright, emerald green spinel has been observed locally which is similar to that seen in the Black Crystal area,

and which mineral is the definitive indicator of the Cs2 unit. A sample of this Cs2 equivalent rock from the trench at the plant area, assayed 2.9% FC (Sample AS.01), while a sample of regular Calc Silicate Gneiss from this same trench assayed approximately 1.5% FC (Sample AS.03) The two areas which are initially of interest and which warrant follow-up work, with an eye to generating drill targets are the area to the south of the plant, across Koch Creek, and the area of the unnamed ridge which is to the east and south of the peak of Mt Heimdal. It was in a creek draining this area that a piece of Cs2 equivalent graphite bearing rock was found which ran (Sample #1018) 2.22% FC.

The diamond drilling program was quite successful in providing initial insight into the extensiveness of the Calc-Silicate zone in the general plant area, and it does indicate that additional exploration, and drilling are warranted in the general area. While the drilling did prove that the graphitic mineralization is quite laterally, and vertically extensive, the results were not overly impressive. It does appear there is some strong faulting (Mill0104) in the area.

Conventional hammer drilling was a good indicator technique, and drill hole Mill0107 which was drilled in the area of Mill0104 was useful in determining the overall validity of the technique. During the drilling of Mill0106 it was noted that quite a bit of graphite was lost due to flotation, which process is probably enhanced by the necessary addition of canola oil for hammer lubrication purposes during drilling. Microscopic investigation of the chips from this hole indicated that free graphite (that which is not attached to quartz, or other grains) is by and large absent, while the graphite which is present as partial, or whole inclusions in quartz is preserved at least in part. It is interesting to note that even with the flotation mentioned above that several interesting intercepts were encountered in Mill0106, where analytical results were better than any of those seen in any of the diamond drill holes.

Aside from a few local patches of increased hematitic/limonitic staining on the cliffs of Mt Heimdal and it's eastern peak, no strong gossans or other obvious indicators of any sort of mineralization were noticed during the brief aerial inspection of the property. Logistically the property presents few problems, and even the upper reaches will be fairly easily accessible with only minor brushing, and hand repair of existing logging roads.

CONCLUSIONS

1. The diamond drilling program was quite successful, and has indicated that graphitic Calc–Silicate hosted mineralization exists in the general area of the Koch Creek Beneficiation plant.
2. While conventional hammer, or reverse circulation drilling provides a larger diameter borehole, the recovery of graphite appears to be poor, because of losses to drilling fluid due to flotation. While this technique may be useful purely as an exploration tool, it is suggested (especially as there is no cost advantage) that this method not be utilized in the future.
3. Prospecting in the areas to the north has determined that graphite bearing calc-silicate mineralization (Cs2 equivalent) exists in float in an unnamed drainage which flows south from Mt Heimdahl. Also, siliceous graphite mineralization was noted to occur to the north and west of this area, on the south flank of Mount Heimdahl.
4. Graphitic Calc-Silicate mineralization which warrants follow-up work was found on the south side of Koch Creek, across from the plant site.

RECOMMENDATIONS

As the work performed up until now has been very positive a two phase program of extensive prospecting, sampling, and geological mapping, followed by a 500 metre diamond drill program is proposed for the general area.

All indications so far are that the mineralization continues at depth to the north of the main area of investigation, and also it should be encountered to the east along strike. A thorough program of mapping and prospecting should be undertaken in order to trace the mineralization in the general area (if possible) with an eye to determining those locations where easily accessible higher grade mineralization may exist. Additionally mapping/prospecting will better enable geological staff to:

1. Correlate the rocks seen here with those reported regionally,
2. Determine the property scale geological structure, so that this knowledge may then be applied in an effort to determine any structural controls on mineralization which can lead to a predictive structural model, which may aid in pinpointing areas which may host economically significant mineralization,
3. Locate areas where similar Graphite mineralized Calc-Silicate rocks, or other mineralized lithologies outcrop

After the above work has been performed a modest drilling program is proposed to further extend the "Beau Zone" area mineralization, and to test those areas which appear to be prospective of hosting economic grade Graphite mineralization.

TABLE II - PROJECTED COSTS OF PROPOSED EXPLORATION

Phase I	
Prospector	$ 6,000
Geologist	$ 8,000
100 Rock Samples @ $20/sample	$ 2,000
Accommodation & Food	$ 3,000
ATV Rental	$ 700
Chainsaw Rental	$ 200
Transport	$ 3,000
Shipping	$ 300
Phone	$ 300
Report Preparation & Drafting	$ 1,500
Field Supplies	$ 1,000
Contingency 10%	$ 2,600
SUBTOTAL PHASE I COSTS	**$28,600**
Phase II	
500m NQ drilling @ $66/metre	$33,000
Drill Mob & Demob – several distant sites	$ 4,000
Road Rehabilitation/pad preparation	$ 5,000
Geologist - Supervision & Core Logging	$ 9,000
Field Supplies	$ 1,000
Accommodation & Food	$ 1,500
Transportation	$ 2,000
200 Assays @ $20/sample	$ 4,000
Phone	$ 500
Shipping	$ 300
Report Preparation & Drafting	$ 1,500
Remediation/cleanup	$ 2,000
Contingency 10%	$ 6,380
SUBTOTAL PHASE II COSTS	**$70,180**
TOTAL ESTIMATED COSTS	**$98,780**

TABLE III - PROJECT COSTS

	# UNITS	UNITS	$/UNIT	COST
DRILLING	232.85	METRES	65.62	$15279.62
DRILL MOBILIZATION & DEMOBILIZATION				$1850
EXCAVATOR - TRENCHING/PAD PREP	5	HOURS	110	$550
ANALYTICAL	50	ASSAYS	20	$999.38
ANALYTICAL - IN HOUSE	7	ASSAYS	16	$112
T LEWIS PROSPECTING	3	DAYS	350	$1050
TRENCHING - SUPERVISION AUG 14	0.5	DAYS	350	$175
LOGGING/SUPERVISION - SEP 15 - 23	9	DAYS	350	$3150
REPORT WRITING SEP 29 & JAN 7-11	6	DAYS	350	$2100
ACCOMODATION/FOOD	24	DAYS	50	$1200
J CHAPMAN PROSPECTING - SEP 23 & SEPT25	2	DAYS	350	$700
REVIEW SUPERVISION SEPT 22 & 24	2	DAYS	350	$700
TRAVEL SEPT 03 & SEPT 30	2	DAYS	350	$700
ACCOMODATION/FOOD	6	DAYS	50	$300
S SCHMIDT – SPLITTING/GEOTECH SEP 22 - 24	3	DAYS	200	$600
HELICOPTER	0.75	HOURS	1250	$937.5
4x4 VEHICLE RENTAL	15	DAYS	60	$900
GAS/OIL				$200
SUPPLIES/TROPARI RENTAL				$550
PHONE/FAX/ETC				$50
CLERICAL	0.5	DAYS	200	$100
DRAFTING/COLLATION				$300
DTH PERCUSSION DRILLING	216.4	METRES	73.98	$16009.27
T LEWIS WELL SUP - SAMPLING	2.5	DAYS	350	$875
LOGGING/MICROSCOPIC EXAMINATION	2	DAYS	350	$700
ANALYTICAL				
IN-HOUSE - PERCUSSION DRILLING	67	ASSAYS	16	$1072
VANCOUVER PETROGRAPHIC				$600
BONDAR - RARE EARTH	1	ASSAYS	44	$44
SAMPLE SHIPMENT - GREYHOUND				$92.85

TOTAL EXPENDITURES **$51,897**

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STATEMENT OF QUALIFICATIONS

I, Thomas M. Lewis of the City of Rossland, in the Province of British Columbia, hereby certify that:

1. I am a mineral exploration geologist, engaged in all facets of mineral exploration, and geological consulting, and I reside at #43-891 Monte Vista Drive, Rossland, B.C.

2. I am a graduate of Brandon University, Brandon Manitoba, with a BSc., with a major in Geology (1989).

3. I am a graduate of Mount Royal College, Calgary Alberta with a diploma in Petroleum & Mineral Land Management (1986), and of Fanshawe College, London Ontario with a diploma in Social Sciences, and Humanities (1975).

4. I am a fellow of the Geological Association of Canada.

5. I have worked in various capacities in the exploration field, both for hydrocarbons and mineral resources since 1975, and have been working primarily as a consulting mineral exploration geologist since graduation in 1989.

6. This report is based on actual observations I made while in the course of my duties as a geological consultant, while employed by Crystal Graphite Corporation, or from information obtained from the references cited.

7. This report is solely intended for use in support of Crystal Graphite's Assessment Report requirements on the Plant Group of mineral claims. Use for any other purpose is prohibited without the author's written permission.

8. I have no direct or indirect interest in Crystal Graphite, or any associated company as of the date of this report, nor do I expect to receive any in the future.

Dated at Slocan Park, British Columbia on this 30th day of January, 2002.

Thomas M. Lewis, B.Sc., FGAC
Consulting Geologist

Appendix A: Diamond Drill Logs

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0101 Page 1 of 4

SURVEY DATA											DRILLING DATA	
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID				GRID SYSTEM	MINE
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	APPROX. NORTHING (m)	
Collar												APPROX. EASTING (m)	
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. ELEVATION (m)	
1		52.42	-54	-54	166	184.5						DATE DRILLING STARTED	
												DATE DRILLING ENDED	
													(ft.) (m)
												TOTAL DEPTH	54.86
												CASING DEPTH	5.19
												CASING	
												STEEL IN HOLE	No Ft.
												LOGGED BY	T Lewis
												LOGGING DATE	

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
FROM (m)	TO (m)			From (m)	To (m)	Cum. Total (m)	
0	5.18	CASE	**CASING - OVERBURDEN**				
5.18	12.79	SK	**SKARN** Pale greenish to greenish grey, massive with local sections of impure Marble Breccia Also thin bands (up to 4 cm) of brownish Biotite/Feldspar/Quartz Gneiss Foliation dominantly @ 50° to LCA, but quite variable – with tight micro-folds in abundance Local (~5.30 – 10 m) patches/clusters of dark green bladed Actinolite/Tremolite mineralization with individual crystal length up to 3 cm's < 1% disseminated fine grained pyrite/pyrrhotite Trace disseminated fine grained graphite				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT **Geological Log Hole-ID:** **MILL0101** **Page** **2** **of** **4**

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
12.79	24.15	MBL	**MARBLE** Light grey – creamy, locally slight greenish (diopsidic) tinge Massive, locally brecciated Local thin patches of dark grey siliceous rock Impure with trace disseminated fine grained pyrite/pyrrhotite & trace fine grained disseminated graphite Slippage noted on fracture surfaces around 15.6 m Gouge filled fault @ ~ 16 m Rock is fractured & incompetent down to ~ 20.50 m Local vuggy sections 21.69 – 23.00 Pegmatite/Partial digest zone? Light grey mottled Feldspar/Quartz/Biotite with ~1% disseminated pyrite/pyrrhotite, with some banding/foliation Foliation highly variable, but is @ ~ 50° to LCA @ top of interval Overall ~ .5% disseminated fine grained graphite Bottom of interval greenish with slight increase in graphite content	12.79	14	0	3101
				14	15	0	3102
				15	16	0	3103
				16	17	0	3104
				17	18	0	3105
				18	19	0	3106
				19	20	0	3107
				20	21	0	3108
				21	22	0.31	3109
				22	23	1.00	3110
				23	24.15	0	3111
24.15	27.82	SG	**SPOTTED GNEISS** Medium grey porphyritic (has a somewhat intrusive like appearance) fine grained equi-granular feldspar/quartz/biotite gneiss. Biotite occurs disseminated throughout – aligned parallel to foliation Weak foliation @ 70° to LCA Local narrow pegmatite bands Trace disseminated fine grained poorly developed pink garnet				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0101 Page 3 of 4

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
27.82	51.64	CS	**CALC – SILICATE GNEISS** Light grey with local greenish tinge Often tightly folded – convoluted – usual foliation varies within range of 40° to 70° to LCA Quite variable lithologically within section & consist of: - 27.82 27.88 Coarse crystalline Feldspar/Quartz/Biotite Pegmatite - 27.88 – 29.57 Biotite/Feldspar/Quartz gneiss – greenish, strongly foliated @ varying angles, with local patches increased intensity pervasive greenish (diopsidic) alteration with graphite - 29.57 – 30.94 Pegmatite – medium coarse grained, with inclusions of sections up to 8 cm in width of graphitic Cs - 30.94 – 33.45 Siliceous Calc – Silicate Gneiss, locally greenish, foliated @ 40° to LCA, local blebs of pyrrhotite - 33.45 – 35.15 Dark Siliceous Graphitic Calc – Silicate Gneiss, with ~ 1% disseminated fine grained pyrite/pyrrhotite, and 3 – 5% disseminated fine grained graphite - 35.15 – 35.95 Biotite Gneiss with CaC03. Dark brown, strongly foliated – exhibits much convoluted folding, Clay gouge filled fault @ 35.5m - 35.95 – 39.59 Calc – Silicate Gneiss Light grey, with 1 - 2 % disseminated fine grained graphite, <.5% disseminated fine grained pyrite/pyrrhotite. Local Impure Marble sections with trace disseminated graphite Pegmatite from 37.73 – 38.11 - 39.59 – 40.55 Biotite Gneiss. Dark Brown, greenish tinge with local CaC03 - 40.55 - 41.59 Calc – Silicate Gneiss with 1 – 1.5% disseminated fine grained graphite - 41.59 41.86 Pegmatite – contacts @ 60° to LCA - 41.86 - 42.34 Calc – Silicate Gneiss - 42.34 – 42.79 Pegmatite – contacts @ 50° to LCA - 42.79 – 43.56 Dark grey/green gneissic skarn. Foliated @ 65° to LCA <.5% disseminated Graphite - 43.56 – 44.63 Pegmatite - 44.63 – 45.98 Calc – Silicate Gneiss (**CS2 Equivalent**) Medium grey, convolute foliation, trace dark green disseminated spinel, ~ 1% disseminated pyrite/pyrrhotite, 2 – 3 % disseminated fine grained graphite, local patches disseminated diopside	33.45	35	0	3112
				35	36	0	3113
				36	37	0	3114
				37	38	0.27	3115
				38	39	0.14	3116
				39	40	0	3117
				40	41	0.42	3118
				41	42	0.40	3119
				42	43	0.44	3120
				43	44	0.42	3121
				44	45	0.59	3122
				45	46	0	3123
				46	47	0	3124
				47	48	0	3125
				48	49	0.04	3126
				49	50	0.06	3127
				50	51.64	0	3128

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT **Geological Log Hole-ID: MILL0101** **Page 4 of 4**

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
			CALC – SILICATE GNEISS cont'd				
			- 45.98 – 51.64 Siliceous Calc – Silicate Gneiss. Dark grey, moderately foliated @ 60° to LCA. Local impure Marble stringers. Overall ~ 1% disseminated fine grained graphite				
51.64	54.86	BFQG	**BIOTITE FELDSPAR QUARTZ GNEISS**				
			Medium grey/brown – foliated @ 70° to LCA Slight greenish tinge locally Local thin pegmatites Gouge filled fractures/faults @ 52.40 & 53.20 meters				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0102 Page 1 of 4

SURVEY DATA												DRILLING DATA		
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID				GRID SYSTEM	MINE	
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	APPROX. NORTHING (m)		
Collar												APPROX. EASTING (m)		
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. ELEVATION (m)		
1		49.37	-55	-55	153	171.5						DATE DRILLING STARTED		
												DATE DRILLING ENDED		
													(ft.)	(m)
												TOTAL DEPTH		51.81
												CASING DEPTH		9.14
												CASING		
												STEEL IN HOLE	No	Ft.
												LOGGED BY	T Lewis	
												LOGGING DATE		

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
FROM (m)	TO (m)			From (m)	To (m)	Cum. Total (m)	
0	9.14	CASE	**CASING - OVERBURDEN**				
9.14	19.28	CS	**CALC – SILICATE GNEISS**	9.20	10	0.02	3129
				10	11	0.11	3130
			Medium grey, lightly to moderately foliated @ 30 - 70° to LCA	11	12	0.02	3131
			Folding obvious, moderately tight, somewhat convoluted	12	13	0.03	3132
			Local thin pegmatites up to 15 cm wide	13	14	0.03	3133
			Disseminated fine grained pyrite/pyrrhotite up to 1% locally	14	15	0.14	3134
			Overall 3 – 4% disseminated fine grained graphite, grade varies locally	15	16	0.20	3135
			Local trace fine grained Dark Green Spinel (patchy – tough to delimit)	16	17	0.06	3136
			Local trace pale green fine grained disseminated diopside	17	18	0.12	3137
			Overall rock is fairly siliceous with grey quartz comprising ~ 60 – 70% of total mass	18	19.28	0	3138

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
19.28	24.86	P	**FELDSPAR QUARTZ BIOTITE PEGMATITE** Pale – creamy grey Coarse grained – locally spotted. Locally weakly foliated Local trace sericite, and also local trace graphite Clay alteration of feldspars @ ~ 20 m & weak clay alteration @ ~23.5 m Local oxidation (limonite) on fracture surfaces 20.41 – 21.50 Skarn, Calc-Silicate Gneiss, Biotite/Feldspar/Quartz Gneiss sections Top contact with above lithology @ 45° to LCA Bottom contact @ ~ 60° to LCA Clayey fault @ ~ 21.5m				
24.86	28.29	CS	**CALC – SILICATE GNEISS** Light grey to medium (olive) greenish Mixed sections of CS & weak pervasive Skarn & also thin bands of Feldspar/Biotite/Quartz Gneiss which is somewhat silicic & which host local trace of disseminated fine grained graphite Section becomes increasingly siliceous towards the bottom (contact with pegmatite) Graphite typically ~ .5% disseminated overall, but in the darker more siliceous areas it may locally grade upwards to 5% At ~ 26 m's strong pervasive diopside mineralization obvious – turned drill cuttings green	24.86	26	0	3139
				26	27	0.04	3140
				27	28.29	0.10	3141

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
28.29	34.59	P	**PEGMATITE** Feldspar/Quartz/Biotite Pegmatite – Creamy white to greyish Pegmatite does not display the clay alteration of the feldspars as noted in the pegmatite above Locally bands of Feldspar/Quartz/Biotite gneiss especially ~33.20 - 33.60 Top contact indistinct – ragged Bottom contact fairly sharp & @ 75° to LCA Local (gneissic sections typically) trace fine to medium grained pinkish poorly formed (retrograde) garnet Overall foliation @ 50° to LCA				
34.59	37.67	CS	**CALC – SILICATE GNEISS** Light grey, locally greenish tinge, Moderately foliated @ 50° to LCA Narrow bands of Impure Marble Local more siliceous sections which are a darker bluish grey < 1% disseminated fine grained pyrite/pyrrhotite 1.5 3 percent disseminated fine grained graphite locally grades up to 5 %, and as low as .5% Top of section pale green (diopsidic) skarn	34.58	36	0.06	3142
				36	37.67	0.07	3143
37.67	39.00	FQBG	**FELDSPAR QUARTZ BIOTITE GNEISS** Dark Brownish Strongly foliated @ 55° to LCA Abundant thin pegmatitic sweats which are parallel to sub parallel to foliation Abundant fine grained pale pink poorly formed garnet				

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
39	43.38	QRM	**QUARTZ REPLACED MARBLE** Very pale greenish tinge throughout, finely laminated, weakly foliated @ 40 - 50° to LCA Trace CaC03 Local trace disseminated fine grained pyrite/pyrrhotite Local trace disseminated fine grained graphite				
43.38	47.54	FQBG	**FELDSPAR QUARTZ BIOTITE GNEISS** Brownish with local slight greenish tinge. Abundant feldspar/quartz bands – typically 2mm to 1 cm in width Moderately to strongly foliated @ 30 - 50° to LCA, crenulated folding present Locally obvious crenulations terminate on ancient (healed) slippage planes – parallel to normal foliation ~ 45 m's appears to be a possible thin foliated Quartz Monzonite dyke				
47.54	51.81	QRM	**QUARTZ REPLACED MARBLE** As 39.00 to 43.38 Top of interval abundant medium green poorly formed (retrograde) garnets Local sections of Feldspar/Biotite/Quartz Gneiss Foliated @ 50° to LCA. Convolute folding present < .5% disseminated subhedral fine grained py Pegmatite @ ~ 51 m – appears to some local brecciation associated with emplacement				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0103 Page 1 of 1

SURVEY DATA											DRILLING DATA	
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID			GRID SYSTEM	MINE
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	APPROX. NORTHING (m)	
Collar												APPROX. EASTING (m)	
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. ELEVATION (m)	
1			NO	TEST								DATE DRILLING STARTED	
												DATE DRILLING ENDED	
												(ft.)	(m)
												TOTAL DEPTH	27.43
												CASING DEPTH	27.43
												CASING	
												STEEL IN HOLE	No Ft.
												LOGGED BY	T Lewis
												LOGGING DATE	

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
FROM (m)	TO (m)			From (m)	To (m)	Cum. Total (m)	
0	27.43	CASE	**CASING - OVERBURDEN** Hole not completed due to depth of overburden – anticipated that it is in the heart of a paleo – channel of Koch Creek Quite likely the mineralized zone of interest has been eroded in this locale				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0104 Page 1 of 2

SURVEY DATA											DRILLING DATA	
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID				GRID SYSTEM	MINE
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	APPROX. NORTHING (m)	
Collar												APPROX. EASTING (m)	
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. ELEVATION (m)	
1		40.23	-56	-56	167	185.5						DATE DRILLING STARTED	
												DATE DRILLING ENDED	
													(ft.) (m)
												TOTAL DEPTH	58.52
												CASING DEPTH	30.78
												CASING	
												STEEL IN HOLE	No Ft.
												LOGGED BY	T Lewis
												LOGGING DATE	

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
FROM (m)	TO (m)			From (m)	To (m)	Cum. Total (m)	
0	30.78	CASE	**CASING - OVERBURDEN**				
30.78	37.00	CS	**CALC – SILICATE GNEISS** Light grey, somewhat siliceous Weakly foliated @ 50° to LCA, some local tight folding < .5 - .5% disseminated fine grained graphite Local (34.14 – 34.40) foliated Feldspar/Quartz/Biotite Gneiss Local (36.70 – 37.00) "porphyritic" with clay altered feldspar porphyroblasts in whitish aphanitic groundmass < .5% disseminated fine grained pyrite/pyrrhotite – locally abundant on some fracture surfaces Locally vuggy Local phlogopite Local greenish (chlorite?) alteration	30.78	32	0	3144
				32	33	0	3145
				33	34	0	3146

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0104 Page 2 of 2

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
37	58.52	FZ	**FAULT ZONE**				
				47.24	48	0	3147
			Zone of friable clay +/- chlorite? altered calc – silicate rock with several clay/gouge zones	48	49	0	3148
			Poor core recovery as rock is locally extremely friable - also quite "blocky"			GAP	
			Locally disseminated fine grained pyrite/pyrrhotite to .5%	55.47	57		3149
			Local disseminated fine grained graphite up to 1.5%	57	58.52		3150
			Major slippage surfaces (may be others however – as these are only where gouge was recovered) @ ~ 37.00, ~ 42.00 & ~55.00 m's				
			Relatively competent sections: 47.24 - 49.38, 53.00 – 54.50, 55.47 – 58.52				
			Local vuggy sections				
			55.47 – 56.5 - clay alteration of feldspar porphyroblasts much as 36.70 – 37.00				
			Strong chloritic alteration ~ 47.30 – 54.00				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0105 Page 1 of 2

SURVEY DATA											DRILLING DATA	
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID				GRID SYSTEM	MINE
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	APPROX. NORTHING (m)	
Collar												APPROX. EASTING (m)	
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. ELEVATION (m)	
1		40.84	-62	-62	164.5	183						DATE DRILLING STARTED	
												DATE DRILLING ENDED	
													(ft.) (m)
												TOTAL DEPTH	40.23
												CASING DEPTH	12.19
												CASING	
												STEEL IN HOLE	No Ft.
												LOGGED BY	T Lewis
												LOGGING DATE	

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
FROM (m)	TO (m)			From (m)	To (m)	Cum. Total (m)	
0	12.19	CASE	**CASING - OVERBURDEN**				
12.19	15.88	SK	**SKARN** Pale greenish – pervasive diopside Massive fine grained - local mottled – whitish (CaC03) quartz rich – to siliceous locally Locally grades to Calc – Silicate Gneiss Trace local Actinolite/Tremolite mineralization Phlogopite rich section @ ~ 14.30 meters depth Bottom contact @ 30° to LCA				

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
			Skarn cont'd				
			Local disseminated green garnet (grossular?) Local CaC03 healed longitudinal fractures				
15.88	40.23	FBQGG	**FELDSPAR BIOTITE QUARTZ GARNET GNEISS** Brownish – alternating brown (biotite rich) & white (feldspar/quartz rich) bands Local trace to abundant medium to coarse grained disseminated poorly formed pink garnet Moderately to well foliated @ 60 - 80° to LCA – locally convoluted folding evident Local skarn sections – most pronounced from ~ 20.00 m's to 21.94 m's Possible Foliated Quartz Monzonite dyke 18.95 to 19.50 m's Local thin pegmatitic dykes up to 20 cm wide & sweats which are typically 2 – 3 cm's wide Local trace disseminated fine grained graphite Locally schistose sections – especially 31.00 m's to 33.00 m's, which displays weakly developed crenulation cleavage				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT

Geological Log Hole-ID: MILL0106 **Page** 1 **of** 4

SURVEY DATA											DRILLING DATA	
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID				
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	GRID SYSTEM / MINE
Collar												APPROX. NORTHING (m)
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. EASTING (m)
1			°	90°	No Test	°						APPROX. ELEVATION (m)

DATE DRILLING STARTED	November 19,2001	
DATE DRILLING ENDED	November 21, 2001	
	(ft.)	(m)
TOTAL DEPTH	405	123.44
CASING DEPTH	18	5.49
CASING		
STEEL IN HOLE	No	Ft.
LOGGED BY	T Lewis	
LOGGING DATE	November 20,21	

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
FROM (m)	TO (m)			From (m)	To (m)	Cum. Total (m)	
0	4.57	CASE	**OVERBURDEN - CASING** Well cased to ~ 5.49 meters				
4.57	6.10	**QFBG**	Quartz/Feldspar/Biotite – no CaCo3 – trace graphite				
6.10	7.62	QFBG	As above				
7.62	9.14	**SK/P?**	Quartz/Feldspar/trace biotite, trace CaCo3 Trace medium green (garnet/apatite?)mineral				
9.14	10.67	SK/P?	As above - trace pyrite, increase CaCo3				
10.67	11.27	SK/P?	As above - observed lithology change at ~37' depth in field while drilling				
11.27	12.19	**QBFG**	Quartz//Biotite/Feldspar – no CaCo3 - Dark fine grained bladed +/- mafic – Actinolite/Tremolite?				
12.19	19.81	QFBG	Quartz/Feldspar/Biotite				
19.81	24.38	QFBG	As above but with increased biotite				
24.38	28.95	BQFG	Biotite/Quartz/Feldspar Gneiss With abundant fine grained pyrite/pyrrhotite				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0106 Page 2 of 4

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
28.95	33.53	QFBG	Quartz/Feldspar/Biotite Gneiss				
33.53	42.67	BQFG	Biotite/Quartz/Feldspar Gneiss – abundant biotite – increases again in basal 1.5 meters				
42.67	46.63	FQBG	Feldspar/Quartz/Biotite – abundant feldspar grains				
46.63	46.94	FAULT	Makes ~ 4 gals water per minute				
46.94	48.76	BQFG	Biotite/Quartz/Feldspar Gneiss				
48.76	54.86	CS	Quartz/Feldspar – trace fine grained graphite, trace CaCo3, trace biotite, Biotite increases bottom 3 meters of interval	48.76	50.23		1101
				50.23	51.81		1102
54.86	56.38	FQBG	Feldspar/Quartz/Biotite Gneiss with <1% pyrite/pyrrhotite, no graphite, no CaCo3	51.81	53.34		1103
56.38	57.91	BQFG	Biotite/Quartz/Feldspar Gneiss	53.34	54.86		1104
57.91	59.43	BQFG	As above. Increase in pyrite/pyrrhotite – trace epidote				
59.43	64.00	CS	Quartz/Feldspar – moderate CaCo3 – trace biotite – .5 - 1% disseminated very fine grained graphite	59.43	60.96		1105
				60.96	62.48		1106
64.00	65.53	CS	Quartz/Feldspar/Biotite – trace epidote – trace pyrite/pyrrhotite – trace CaCo3	62.48	64.00		1107
65.53	67.05	CS	As above – trace very fine grained graphite – trace to moderate CaCo3	64.00	65.53		1108
67.05	68.58	CS		65.53	67.05		1109
68.58	70.01	CS	As above – with < 1% disseminated very fine grained graphite	67.05	68.58		1110
			Quartz/Feldspar – slight trace biotite/mafics – very slight trace epidote – abundant CaC03, no pyrite/pyrrhotite noted <1% disseminated very fine grained graphite	68.58	70.10		1111
70.01	71.62	CS	As above – trace dark green **Spinel**	70.10	71.62		1112
71.62	73.14	CS	As above – decrease in CaCo3 – increase graphite to ~ 1% - slight increase in biotite content	71.62	73.15		1113
73.14	76.19	CS	Quartz/Feldspar/Biotite – slight increase in biotite from above section <1% disseminated graphite	73.15	74.67		1114
			Trace epidote, trace pyrite/pyrrhotite	74.67	76.20		1115
76.19	77.72	CS		76.20	77.72		1116
			Quartz/Feldspar abundant Biotite - trace Graphite, trace light pink garnet – trace epidote, slight trace CaCo3	77.72	79.24		1117
77.72	79.24	CS	Quartz/Feldspar with moderate Biotite, graphite increase to < 1%, trace pink garnet, trace epidote, trace CaCo3	79.24	80.77		1118
				80.77	82.29		1119
78.33	78.51	FAULT	Approximately 18 cm fault	82.29	83.81		1120

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
79.24	80.76	CS	Quartz/Feldspar/Biotite increased Quartz & Feldspar (i.e. less mafic than above)	83.81	85.34		1121
80.76	82.30	CS	As above - (very fine grained sand) calcareous – extremely poor chip recovery - <1%	85.34	86.86		1122
			disseminated fine grained graphite. See one dark siliceous chip with **Spinel**	86.86	88.39		1123
82.30	83.81	CS	Quartz/Feldspar/Epidote - ~ 1% disseminated fine grained graphite – moderate CaCo3 <.5%	88.39	89.91		1124
			disseminated pyrite/pyrrhotite. Greenish hue overall	89.91	91.43		1125
83.81	85.34	CS	Quartz/Feldspar/Epidote – trace biotite, moderate CaCo3 <1% disseminated fine grained graphite	91.43	92.96		1126
			Poor chip recovery	92.96	94.48		1127
85.34	86.86	CS	Feldspar/Quartz/Biotite/Epidote – trace CaCo3, trace fine grained disseminated graphite	94.48	96.01		1128
86.86	88.39	CS	Quartz/Feldspar/Epidote – trace biotite, moderate CaCo3 Trace disseminated fine grained	96.01	97.53		1129
			graphite Poor chip recovery	97.53	99.05		1130
88.39	89.91	CS	As Above – better chip recovery	99.05	100.58		1131
89.91	91.43	CS	As Above – poor recovery – Strong CaC03 – See fine grained **Spinel**	100.58	102.10		1132
91.43	92.96	CS	As Above – good chip recovery – 1% disseminated very fine grained graphite	102.10	103.63		1133
92.96	94.48	CS	As Above – increase in biotite – see siliceous chip with 3 – 4% disseminated very fine grained	103.63	105.15		1134
			graphite – pyrite/pyrrhotite ~ .5%	105.15	106.67		1135
94.48	96.01	CS	Quartz Feldspar/Epidote – trace pyrite < .5% disseminated very fine grained graphite, Moderate	106.67	108.19		1136
			CaCo3 0% Biotite	108.19	109.72		1137
			N.B. Noted moderate graphite floating on water flowing out of the hole from approximately	109.72	111.25		1138
			82.29 – 96.01	111.25	112.77		1139
96.01	97.53	CS	As Above - Biotite from 5 – 10%	112.77	114.29		1140
97.53	99.05	CS	As Above – Biotite decreases to < 5%				
99.05	100.58	CS	Quartz/Feldspar/Slight Epidote – trace pyrite/pyrrhotite - <.5% disseminated very fine grained				
			graphite Strong CaCo3 Poor chip recovery				
100.58	102.10	CS	As Above - slightly better chip recovery Moderate CaCo3				
102.10	103.63	CS	As Above - even better chip recovery – trace biotite				
103.63	105.15	CS	As Above - good chip recovery - < 5% biotite				

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
105.15	106.67	CS	Quartz/Feldspar/Slight Epidote Trace pyrite/pyrrhotite - <.5% disseminated fine grained graphite Strong CaCo3 – poor chip recovery				
106.67	108.20	CS	As Above – good chip recovery ~.5% disseminated fine grained graphite				
108.20	109.72	CS	As Above				
109.72	111.25	CS	As Above Biotite <5% Trace to moderate CaCo3				
111.25	112.77	CS	As Above Biotite 10 - 15% Trace CaCo3				
112.77	114.29	CS	As above No biotite Strong CaCo3 Trace fine grained disseminated graphite				
114.29	123.44	QBFG	Quartz/Biotite/Feldspar Gneiss Some fine grained graphite in quartz crystals (may be sloughing from above) No garnet noted Trace locally of CaCo3				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT

Geological Log Hole-ID: MILL0107 **Page** 1 **of** 3

SURVEY DATA											DRILLING DATA	
SURVEY	DEPTH		DIP		TRUE AZIMUTH			GRID			GRID SYSTEM	MINE
	(ft.)	(m)	True		Degrees	Minutes	Seconds	SYSTEM	NORTHING (m)	EASTING (m)	ELEVATION (m)	APPROX. NORTHING (m)	
Collar												APPROX. EASTING (m)	
Down Hole	(ft.)	(m)	Read	True	Read	True						APPROX. ELEVATION (m)	
1		NO TESTS	°	90°	°	°						DATE DRILLING STARTED	November 21, 2001
												DATE DRILLING ENDED	November 22, 2001
													(ft.) (m)
												TOTAL DEPTH	305 92.96
												CASING DEPTH	78 23.77
												CASING	
												STEEL IN HOLE	No Ft.
												LOGGED BY	T Lewis
												LOGGING DATE	November 23, 2001

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION
FROM (m)	TO (m)		
0	21.64	CASE	**CASING – OVERBURDEN** Casing drilled into bedrock a further 2.13 meters
21.64	22.86	Cs	Quartz/Feldspar < 5% Biotite Trace pyrite/pyrrhotite – local trace fine grained disseminated graphite. Slight trace CaCo3
22.86	24.38	Cs	As Above Moderate CaCo3 Trace Biotite Trace pyrite/pyrrhotite <.5% disseminated fine grained graphite
24.83	25.91	Cs	As Above Slight increase in CaCo3
25.91	27.43	Cs	As Above
27.43	28.95	Cs	
28.95	30.48	Cs	Quartz/Feldspar/Biotite/CaCo3 <.5% disseminated graphite Trace pyrite/pyrrhotite As Above Trace graphite Trace epidote Trace pyrite/pyrrhotite N.B. Above two intervals may be QFBG more properly – difficult to distinguish

SAMPLE LOG			
Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)	Cum. Total (m)	
21.64	22.86		1141
22.86	24.38		1142
24.83	25.91		1143
25.91	27.43		1144
27.43	28.95		1145
28.95	30.48		1146
30.48	32.00		1147
32.00	33.53		1148
33.53	35.05		1149

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT Geological Log Hole-ID: MILL0107 Page 2 of 3

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
30.48	32.00	Cs	Quartz/Feldspar/Biotite(< 5%) Moderate CaCo3 Trace epidote <.5% disseminated fine grained graphite				
				35.05	36.57		1150
32.00	33.53	Cs	Quartz/Feldspar Moderate/Strong CaCo3 .5% disseminated graphite Trace pyrite/pyrrhotite	36.57	38.10		1151
33.53	35.05	Cs	As above ~ 5% disseminated biotite	38.10	39.62		1152
35.05	36.57	Cs	As above Trace biotite	39.62	41.15		1153
36.57	38.10	Cs	As above Trace biotite	41.15	42.67		1154
38.10	39.62	Cs	Quartz/Feldspar/Weak to Moderate CaCo3 <.5% disseminated fine grained graphite Trace pyrite/pyrrhotite	42.67	44.19		1155
				44.19	45.72		1156
39.62	41.15	Cs	As above Trace epidote	45.72	47.24		1157
41.15	42.67	Cs	As above	47.24	48.76		1158
42.67	44.19	Cs	As above	48.76	50.23		1159
44.19	45.72	Cs	As above Trace biotite	50.23	51.81		1160
45.72	47.24	Cs	Quartz/Feldspar/Moderate CaCo3 ~.5% disseminated fine grained graphite Trace epidote ~.5% disseminated pyrite/pyrrhotite	51.81	53.34		1161
				53.34	54.86		1162
47.24	48.76	Cs	As above but with <.5% disseminated fine grained graphite & diminished pyrite/pyrrhotite	54.86	56.38		1163
48.76	50.30	Cs	As above Trace biotite	56.38	57.91		1164
50.30	51.81	Cs	As 47.24 – 48.76				
51.81	53.34	Cs	As 47.24 – 48.76 Abundant CaCo3				
		FAULT					
53.34	54.86	Cs	Quartz/Feldspar/CaCo3(strong) Trace epidote <.5% disseminated fine grained pyrite/pyrrhotite ~.5% disseminated fine grained graphite				
54.86	56.38	Cs	As above				
56.38	57.91	QFBGG	Quartz/Feldspar/Biotite(5-10%) Trace pink Garnet Trace graphite Trace pyrite/pyrrhotite Trace CaCo3 Transition from above lithology to QFBGG occurs somewhere within this interval				
57.91	59.43	QFBG	Quartz/Feldspar/Biotite Trace graphite Trace pyrite/pyrrhotite Trace CaCo3				

CRYSTAL GRAPHITE CORP. BLACK CRYSTAL PROJECT **Geological Log Hole-ID:** MILL0107 **Page** 3 **of** 3

GEOLOGICAL INTERVAL		LITHO CODE	LITHOLOGICAL DESCRIPTION	SAMPLE LOG			
				Sample Interval		Pegmatites	SAMPLE NUMBER
From (m)	To (m)			From (m)	To (m)	Cum. Total (m)	
59.43	60.96	QFBG	As above				
60.96	62.48	QFBG	As above				
62.48	64.00	QFBG	As above				
64.00	65.53	QFBG	As above				
65.53	67.05	QFBG	As above				
67.05	68.57	QFBG	As above				
68.57	70.10	QFBG	As above				
70.10	71.62	QFBG	As above				
71.62	73.15	QFBG	As above				
73.15	74.67	QFBG	As above				
74.67	76.20	QFBG	As above				
76.20	77.72	QFBG	As above				
77.72	79.24	QFBG	As above				
79.24	80.77	P?	Abundant Quartz/Feldspar Trace Biotite				
80.77	82.29	QFBG	Quartz/Feldspar/Biotite Notably less mafic than the Gneisses above				
82.29	83.81	QFBGG	Quartz/Feldspar/Biotite as above with trace disseminated pink Garnet grains Trace CaCo3				
83.81	85.34	QFBGG	As above				
85.34	86.86	QFBGG	As above				
86.86	88.39	QFBGG	As above				
88.39	89.91	QFBGG	As above				
89.91	91.43	QFBGG	As above Slightly less mafic with abundant pink Garnet				
91.43	92.96	QFBGG	As above Trace pink Garnet				

Appendix B: Sample Descriptions

3160

Petrographic Report

(5 drill core samples)

prepared for

Crystal Graphite Corporation

by

K.E. Northcote & Associates Ltd.

November 15, 2001

[2] Calc-silicate
Summary Description

Fine to medium grained calc-silicate, generally with granoblastic texture. The rock consists mainly of quartz, diopside, carbonate and feldspar. Opaques are fairly abundant - approximately 5% of the section. There is a weak preferred orientation of some platy minerals, mainly the opaques.

Microscopic Description
Transmitted Light

Quartz; 30-35%, anhedral (0.1 to ~2 mm). Interlocking texture, with grain size varying more than pyroxene.

Clinopyroxene (diopside); 17-22%, anhedral to subhedral (0.1 to 1 mm). Granular, partly interlocking with quartz.

Carbonate; 17-22%, anhedral (0.01 to 1 mm). Interlocking and interstitial to pyroxene, and in some cases quartz.

Feldspar; 10-15%, anhedral (0.01 to 1 mm). Scattered irregular grains and small aggregates. The feldspar has some microscopic exsolution of K-feldspar (antiperthite).

Opaques; 5-7%, subhedral (0.01 to ~1 mm). Appears to be mainly graphite. Weak preferred orientation.

Amphibole (tremolite-actinolite); 3-5%, anhedral (0.01 to ~1 mm). Local sheaves of bladed or fibrous pale green amphibole. Probably localized alteration of the pyroxene.

Muscovite; 1-2%, anhedral (0.01 to ~1 mm). Scattered, commonly found with the opaques.

Sphene; 1-2%, anhedral to subhedral (0.1 to 0.5 mm). Somewhat unevenly scattered.

Apophyllite; ≤1%, anhedral to subhedral (0.1 to 0.5 mm). Fairly sparsely scattered, interlocking with quartz, feldspar, carbonate. Properties [one good cleavage, two others visible in some grains, uniaxial (-) interference figure, first order grey birefringence, moderate positive relief] are consistent with apophyllite.

Apatite; ≤0.5 %, subhedral (0.05 to 0.3 mm). Sparsely scattered throughout the section.

Talc; trace, microcrystalline. Minor alteration of clinopyroxene.

[3] Calc-silicate
Summary Description

Medium-grained calc-silicate. Tight fold seen in compositional banding. Mainly granular, partly interlocking. Some elongate and platy minerals roughly aligned with axial plane of small fold seen in the section.

Microscopic Description
Transmitted Light

Quartz; 35-40%, anhedral (0.1 to ~8 mm). Interlocking, but with widely ranging grain size and uneven distribution within the section. Some of the larger grains enclose pyroxene.

Clinopyroxene; 20-25%, subhedral to anhedral (0.1 to ~1 mm). Scattered, commonly in small, loose aggregates. Generally more granular than the quartz.

Carbonate; 20-25%, anhedral (0.1 to ~1 mm). Interlocking with quartz. Contacts with quartz and pyroxene commonly concave in carbonate.

Feldspar; 5-7%, anhedral (0.1 to ~1 mm). Similar to other samples of this suite, the feldspar is a microscopic intergrowth of plagioclase and K-feldspar. Unlike the other samples, the feldspar is concentrated in a narrow (3-4 mm) folded segregation.

Amphibole (tremolite-actinolite); 3-5%, anhedral (<0.01 to ~1 mm). Scattered patches of ragged pale green to colourless amphibole. Appears to be localized alteration of pyroxene.

Apophyllite; ≤1%, anhedral (0.1 to 0.5 mm). sparsely scattered.

Sphene; 1-2%, anhedral to euhedral (0.05 to ~1 mm). Scattered throughout, weakly aligned, with preferred orientation.

Opaques; 2-3%, anhedral to subhedral (0.01 to ~1 mm). Appears to be mainly graphite with a weak preferred orientation.

Apatite; ≤1%, subhedral (0.05 to 0.3 mm). Stubby prismatic apatite scattered throughout the section.

Muscovite; traces, anhedral (<0.01 to 0.5 mm). Not abundant. Commonly found with opaques.

Chlorite; traces, anhedral (<0.01 to 0.5 mm). Minor. Appears to be alteration of amphibole.

[4] Calc-silicate (diopsidite)
Summary Description

Medium grained calc-silicate rock, consisting mainly of diopsidic clinopyroxene with lesser interstitial plagioclase. Sphene and opaques (pyrrhotite) are also present. One end of the sample is a segregation, vein or alteration patch of coarser quartz, carbonate and actinolite.

Microscopic Description
Transmitted Light

Clinopyroxene (diopside); 70-75%, anhedral to subhedral (0.1 to ~ 7 mm). Partly interlocking, with some minor, patchy carbonate replacement.

Plagioclase; 10-15%, anhedral (0.1 to 1 mm). Interlocking, in some cases interstitial to pyroxene, and poikilitically enclosing smaller pyroxene crystals.

Quartz; 5-7%, anhedral (0.01 to cm scale). Concentrated at one edge of the section, with actinolite.

Amphibole (actinolite); 3-5%, subhedral to euhedral (0.1 to ~5 mm). pale green amphibole. Some minor alteration of clinopyroxene, but concentrated at one end of the section in aggregates of coarse bladed crystals with carbonate and quartz.

Carbonate; 1-3%, anhedral (<0.01 to ~8 mm). Weak patchy alteration and interstitial carbonate among the pyroxene. Carbonate is more abundant at on end of the section with actinolite and similarly coarse quartz.

Sphene; 1-3%, euhedral to anhedral (0.1 to 1 mm). Scattered throughout. Mostly anhedral. Sparser in the quartz-carbonate-actinolite area.

Opaques; 1-2%, anhedral (0.01 to ~1.5 mm). Somewhat unevenly disseminated blebby opaques. Appears to be mainly pyrrhotite in the hand specimen.

Chlorite; ≤1%, anhedral (0.01 to 0.2 mm). A few small aggregates, commonly between pyroxene grains.

Muscovite; traces, anhedral (<0.01 to 0.5 mm). A few scattered ragged flakes of colourless mica.

Chlorite; traces, anhedral (<0.01 to 0.5 mm). Some alteration of amphibole to chlorite.

CRYSTAL GRAPHITE CORPORATION

PLANT GROUP
ROCK DESCRIPTIONS

1018 – Float – Boulder near Creek – Mod brown – slightly oxidized – foliated, Cs with trace fine grained spinel, 2 to 3% disseminated fine grained graphite

1019 - Outcrop – road. Siliceous Cs with ~ 1% disseminated fine grained graphite

1020 - Outcrop – road. Siliceous Cs with .5 to 1% disseminated fine grained graphite. Good surfaces for determining orientation

1021 - Outcrop – road. Siliceous Cs with ~ 1% disseminated fine grained graphite

1022 – Outcrop? near culvert – finely laminated, slightly siliceous Cs with ~ 1% disseminated fine grained graphite

1023 – Definite outcrop by F.S.R. & powerline road junction. Calc-Silicate as above.

AS. 01 – From Beau Zone Trench – brown oxidized calc-silicate gneiss, local trace of dark green spinel. 3 to 4% disseminated fine grained graphite.

AS. 02 – From Beau Zone Trench – Calc-Silicate gneiss, with ~ 2% disseminated fine grained graphite.

Appendix C: Assay and Analytical Results

BONDAR CLEGG

Geochemical Lab Report

CLIENT: CRYSTAL GRAPHITE CORPORATION PROJECT: NONE GIVEN

REPORT: V01-02538.0 (COMPLETE) DATE RECEIVED: 05-JAN-02 DATE PRINTED: 11-JAN-02

SAMPLE NUMBER	ELEMENT UNITS C Org PCT	SAMPLE NUMBER	ELEMENT UNITS C Org PCT
D2 3101	0.24	D2 3141	0.62
D2 3102	0.27	D2 3142	1.35
D2 3103	0.44	D2 3143	1.33
D2 3104	0.28	D2 3144	0.20
D2 3105	0.28	D2 3145	0.37
D2 3106	0.28	D2 3146	0.11
D2 3107	0.36	D2 3147	0.39
D2 3108	0.17	D2 3148	0.28
D2 3109	0.29	D2 3149	0.17
D2 3110	0.22	D2 3150	0.17
D2 3111	2.05		
D2 3112	2.28		
D2 3113	0.38		
D2 3114	1.75		
D2 3115	0.76		
D2 3116	1.05		
D2 3117	1.14		
D2 3118	0.34		
D2 3119	0.91		
D2 3120	0.94		
D2 3121	<0.02		
D2 3122	1.36		
D2 3123	2.80		
D2 3124	0.77		
D2 3125	0.24		
D2 3126	0.05		
D2 3127	0.38		
D2 3128	0.21		
D2 3129	1.04		
D2 3130	0.68		
D2 3131	1.12		
D2 3132	0.88		
D2 3133	1.12		
D2 3134	1.55		
D2 3135	1.05		
D2 3136	0.75		
D2 3137	3.20		
D2 3138	1.54		
D2 3139	0.13		
D2 3140	0.46		

Bondar Clegg Canada Limited
130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

1023	0.2963	0.634	06/11/2001 9:10	Tom	1 Scoop Lecocel 11/1Cu
1023	0.3473	0.455	06/11/2001 9:16	Tom	1 Scoop Lecocel 11/1Cu
1023	0.2963	0.634	06/11/2001 9:10		1 Scoop Lecocel 11/1Cu
1023	0.3473	0.455	06/11/2001 9:16		1 Scoop Lecocel 11/1Cu
1022	0.3121	0.478	06/11/2001 9:19		1 Scoop Lecocel 11/1Cu
1022	0.2188	0.791	06/11/2001 9:53		1 Scoop Lecocel 11/1Cu

AS. 01	0.3225	2.99	19/09/2001 12:29	Bo-Mill Site	1 scoop Lecocel II/Cu
AS. 01	0.2329	2.9	19/09/2001 12:30		1 scoop Lecocel II/Cu
AS. 01	0.3157	2.96	19/09/2001 12:32		1 scoop Lecocel II/Cu
AS. 03	0.3041	1.4	19/09/2001 12:34	Bo-Mill Site	1 scoop Lecocel II/Cu
AS. 03	0.3691	1.55	19/09/2001 12:36		1 scoop Lecocel II/Cu
AS. 03	0.2479	1.41	19/09/2001 12:38		1 scoop Lecocel II/Cu

1101	0.2281	1.24	13/12/2001 13:22	Plant0106	1 scoop	Lecocel 11/1Cu
1101	0.2265	1.3	13/12/2001 13:24	Plant0106	1 scoop	Lecocel 11/1Cu
1102	0.233	1.39	13/12/2001 13:33	Plant0106	1 scoop	Lecocel 11/1Cu
1103	0.2298	0.564	13/12/2001 13:34	Plant0106	1 scoop	Lecocel 11/1Cu
1103	0.2406	0.664	13/12/2001 13:36	Plant0106	1 scoop	Lecocel 11/1Cu
1104	0.2024	1.13	13/12/2001 13:38	Plant0106	1 Scoop	Lecocel 11/1Cu
1104	0.2177	0.922	13/12/2001 13:41	Plant0106	1 Scoop	Lecocel 11/1Cu
1105	0.223	0.957	13/12/2001 13:43	Plant0106	1 Scoop	Lecocel 11/1Cu
1106	0.2432	0.633	13/12/2001 13:54	Plant0106	1 Scoop	Lecocel 11/1Cu
1106	0.2055	0.723	13/12/2001 13:56	Plant0106	1 Scoop	Lecocel 11/1Cu
1107	0.2462	0.633	13/12/2001 13:58	Plant0106	1 Scoop	Lecocel 11/1Cu
1107	0.2514	0.642	13/12/2001 14:00	Plant0106	1 Scoop	Lecocel 11/1Cu
1108	0.2507	0.573	13/12/2001 14:05	Plant0106	1 Scoop	Lecocel 11/1Cu
1108	0.2539	0.244	13/12/2001 14:07	Plant0106	1 Scoop	Lecocel 11/1Cu
1109	0.2487	1.36	13/12/2001 14:09	Plant0106	1 Scoop	Lecocel 11/1Cu
1109	0.2265	0.574	13/12/2001 14:11	Plant0106	1 Scoop	Lecocel 11/1Cu
1110	0.2114	0.548	13/12/2001 14:13	Plant0106	1 Scoop	Lecocel 11/1Cu
1110	0.218	1.04	13/12/2001 14:15	Plant0106	1 Scoop	Lecocel 11/1Cu
1111	0.2023	1.1	13/12/2001 14:16	Plant0106	1 Scoop	Lecocel 11/1Cu
1111	0.2146	1.05	13/12/2001 14:18	Plant0106	1 Scoop	Lecocel 11/1Cu
1112	0.2023	0.583	13/12/2001 14:20	Plant0106	1 Scoop	Lecocel 11/1Cu
1112	0.24	0.429	13/12/2001 14:25	Plant0106	1 Scoop	Lecocel 11/1Cu
1113	0.219	0.889	13/12/2001 14:27	Plant0106	1 Scoop	Lecocel 11/1Cu
1113	0.2415	0.575	13/12/2001 14:30	Plant0106	1 Scoop	Lecocel 11/1Cu
1114	0.2299	0.318	13/12/2001 14:32	Plant0106	1 Scoop	Lecocel 11/1Cu
1114	0.2279	0.394	13/12/2001 14:34	Plant0106	1 Scoop	Lecocel 11/1Cu
1115	0.2189	0.781	17/12/2001 13:24	Plant0106	1 Scoop	Lecocel 11/1Cu
1115	0.2245	1.03	17/12/2001 13:25	Plant0106	1 Scoop	Lecocel 11/1Cu
1116	0.2578	0.93	17/12/2001 13:39	Plant0106	1 Scoop	Lecocel 11/1Cu
1116	0.241	1.7	17/12/2001 13:41	Plant0106	1 Scoop	Lecocel 11/1Cu
1117	0.2411	1.13	17/12/2001 13:43	Plant0106	1 Scoop	Lecocel 11/1Cu
1117	0.2611	0.608	17/12/2001 13:44	Plant0106	1 Scoop	Lecocel 11/1Cu
1118	0.2289	0.565	17/12/2001 13:53	Plant0106	1 Scoop	Lecocel 11/1Cu
1118	0.2887	1.03	17/12/2001 13:55	Plant0106	1 Scoop	Lecocel 11/1Cu
1119	0.2469	1.58	17/12/2001 13:57	Plant0106	1 Scoop	Lecocel 11/1Cu
1119	0.2331	0.679	17/12/2001 13:59	Plant0106	1 Scoop	Lecocel 11/1Cu
1120	0.2247	0.767	17/12/2001 14:00	Plant0106	1 Scoop	Lecocel 11/1Cu
1120	0.2557	0.764	17/12/2001 14:03	Plant0106	1 Scoop	Lecocel 11/1Cu
1121	0.2209	0.884	17/12/2001 14:04	Plant0106	1 Scoop	Lecocel 11/1Cu
1121	0.221	0.94	17/12/2001 14:11	Plant0106	1 Scoop	Lecocel 11/1Cu
1122	0.2102	0.983	04/01/2002 12:57	Plant0106	1 Scoop	Lececel 11/1Cu
1122	0.1895	1.03	04/01/2002 12:59	Plant0106	1 Scoop	Lececel 11/1Cu
1123	0.1935	1.06	21/01/2002 9:42	Plant0106	1 Scoop	Lecocel 11/1Cu
1124	0.2163	0.79	21/01/2002 9:46	Plant0106	1 Scoop	Lecocel 11/1Cu
1124	0.1985	0.962	21/01/2002 9:48	Plant0106	1 Scoop	Lecocel 11/1Cu
1125	0.1994	0.975	04/01/2002 12:59	Plant0106	1 Scoop	Lececel 11/1Cu
1126	0.2533	0.558	21/01/2002 9:52	Plant0106	1 Scoop	Lecocel 11/1Cu
1126	0.2323	0.549	21/01/2002 9:53	Plant0106	1 Scoop	Lecocel 11/1Cu
1127	0.2093	0.759	21/01/2002 9:58	Plant0106	1 Scoop	Lecocel 11/1Cu
1127	0.2137	0.721	21/01/2002 9:59	Plant0106	1 Scoop	Lecocel 11/1Cu

1128	0.2266	0.421	21/01/2002 10:01	Plant0106	1 Scoop Lecocel 11/1Cu	
1128	0.209	0.608	21/01/2002 10:03	Plant0106	1 Scoop Lecocel 11/1Cu	
1129	0.307	0.225	21/01/2002 10:09	Plant0106	1 Scoop Lecocel 11/1Cu	
1129	0.221	0.294	21/01/2002 10:11	Plant0106	1 Scoop Lecocel 11/1Cu	
1130	0.2134	0.612	31/01/2002 12:57	Plant0106	1 Scoop Lecocel 11/1Cu	
1130	0.2611	0.548	31/01/2002 12:58	Plant0106	1 Scoop Lecocel 11/1Cu	
1131	0.2081	0.693	31/01/2002 13:00	Plant0106	1 Scoop Lecocel 11/1Cu	
1131	0.2188	0.501	31/01/2002 13:01	Plant0106	1 Scoop Lecocel 11/1Cu	
1132	0.1755	0.705	31/01/2002 13:03	Plant0106	1 Scoop Lecocel 11/1Cu	
1132	0.1921	0.575	31/01/2002 13:04	Plant0106	1 Scoop Lecocel 11/1Cu	
1133	0.1996	0.526	31/01/2002 13:06	Plant0106	1 Scoop Lecocel 11/1Cu	
1133	0.2163	0.567	31/01/2002 13:07	Plant0106	1 Scoop Lecocel 11/1Cu	
1134	0.1948	0.682	31/01/2002 13:09	Plant0106	1 Scoop Lecocel 11/1Cu	
1134	0.2548	0.421	31/01/2002 13:10	Plant0106	1 Scoop Lecocel 11/1Cu	
1135	0.2025	0.552	31/01/2002 13:14	Plant0106	1 Scoop Lecocel 11/1Cu	
1135	0.1797	0.449	31/01/2002 13:16	Plant0106	1 Scoop Lecocel 11/1Cu	
1136	0.1981	0.602	31/01/2002 13:18	Plant0106	1 Scoop Lecocel 11/1Cu	
1136	0.2553	0.421	31/01/2002 13:19	Plant0106	1 Scoop Lecocel 11/1Cu	
1137	0.196	0.512	31/01/2002 13:21	Plant0106	1 Scoop Lecocel 11/1Cu	
1137	0.1802	0.599	31/01/2002 13:24	Plant0106	1 Scoop Lecocel 11/1Cu	
1138	0.1909	0.47	31/01/2002 13:26	Plant0106	1 Scoop Lecocel 11/1Cu	
1138	0.1845	0.41	31/01/2002 13:27	Plant0106	1 Scoop Lecocel 11/1Cu	
1139	0.1761	0.454	31/01/2002 13:29	Plant0106	1 Scoop Lecocel 11/1Cu	
1139	0.1791	0.456	31/01/2002 13:31	Plant0106	1 Scoop Lecocel 11/1Cu	
1140	0.2509	0.37	31/01/2002 13:42	Plant0106	1 Scoop Lecocel 11/1Cu	
1140	0.1905	0.347	31/01/2002 13:44	Plant0106	1 Scoop Lecocel 11/1Cu	
AVG		0.727237				

1141	0.2255	0.486	31/01/2002 13:46	Plant0107	1 Scoop Lecocel 11/1Cu	
1141	0.2264	0.524	31/01/2002 13:47	Plant0107	1 Scoop Lecocel 11/1Cu	
1142	0.2044	1.09	31/01/2002 13:49	Plant0107	1 Scoop Lecocel 11/1Cu	
1142	0.1804	1.25	31/01/2002 13:51	Plant0107	1 Scoop Lecocel 11/1Cu	
1143	0.2079	1.35	31/01/2002 13:52	Plant0107	1 Scoop Lecocel 11/1Cu	
1143	0.1761	1.37	31/01/2002 13:54	Plant0107	1 Scoop Lecocel 11/1Cu	
1144	0.2122	1.2	31/01/2002 13:55	Plant0107	1 Scoop Lecocel 11/1Cu	
1144	0.1827	1.24	31/01/2002 13:57	Plant0107	1 Scoop Lecocel 11/1Cu	
1145	0.1863	0.709	31/01/2002 13:59	Plant0107	1 Scoop Lecocel 11/1Cu	
1145	0.1776	0.692	31/01/2002 14:00	Plant0107	1 Scoop Lecocel 11/1Cu	
1146	0.1763	0.551	31/01/2002 14:02	Plant0107	1 Scoop Lecocel 11/1Cu	
1146	0.2499	0.547	31/01/2002 14:06	Plant0107	1 Scoop Lecocel 11/1Cu	
1147	0.2499	0.51	31/01/2002 14:07	Plant0107	1 Scoop Lecocel 11/1Cu	
1148	0.1806	0.643	31/01/2002 14:10	Plant0107	1 Scoop Lecocel 11/1Cu	
1149	0.1674	0.673	31/01/2002 14:12	Plant0107	1 Scoop Lecocel 11/1Cu	
1149	0.2083	0.487	31/01/2002 14:14	Plant0107	1 Scoop Lecocel 11/1Cu	
1149	0.1713	0.494	31/01/2002 14:15	Plant0107	1 Scoop Lecocel 11/1Cu	
1150	0.1778	0.563	31/01/2002 14:20	Plant0107	1 Scoop Lecocel 11/1Cu	
1150	0.1947	0.506	31/01/2002 14:22	Plant0107	1 Scoop Lecocel 11/1Cu	
1151	0.1914	0.455	31/01/2002 14:24	Plant0107	1 Scoop Lecocel 11/1Cu	
1151	0.194	0.476	31/01/2002 14:25	Plant0107	1 Scoop Lecocel 11/1Cu	

1152	0.2383	0.296	31/01/2002 14:27	Plant0107	1	Scoop Lecocel 11/1Cu
1152	0.1575	0.404	31/01/2002 14:28	Plant0107	1	Scoop Lecocel 11/1Cu
1153	0.2046	0.519	31/01/2002 14:30	Plant0107	1	Scoop Lecocel 11/1Cu
1153	0.2236	0.535	31/01/2002 14:32	Plant0107	1	Scoop Lecocel 11/1Cu
1154	0.337	0.447	31/01/2002 14:38	Plant0107	1	Scoop Lecocel 11/1Cu
1154	0.2845	0.448	31/01/2002 14:40	Plant0107	1	Scoop Lecocel 11/1Cu
1155	0.2176	0.493	31/01/2002 14:42	Plant0107	1	Scoop Lecocel 11/1Cu
1155	0.181	0.764	31/01/2002 14:44	Plant0107	1	Scoop Lecocel 11/1Cu
1156	0.228	0.493	30/01/2002 12:21	Plant0107	1	Scoop Lecocel 11/1Cu
1157	0.2094	0.52	30/01/2002 12:23	Plant0107	1	Scoop Lecocel 11/1Cu
1157	0.2287	0.377	30/01/2002 12:25	Plant0107	1	Scoop Lecocel 11/1Cu
1158	0.2033	0.303	30/01/2002 13:28	Plant0107	1	Scoop Lecocel 11/1Cu
1158	0.1799	0.421	30/01/2002 13:30	Plant0107	1	Scoop Lecocel 11/1Cu
1159	0.1894	0.523	30/01/2002 13:31	Plant0107	1	Scoop Lecocel 11/1Cu
1159	0.2002	0.562	30/01/2002 13:33	Plant0107	1	Scoop Lecocel 11/1Cu
1160	0.1976	0.302	30/01/2002 13:35	Plant0107	1	Scoop Lecocel 11/1Cu
1161	0.1585	0.577	30/01/2002 13:38	Plant0107	1	Scoop Lecocel 11/1Cu
1162	0.2343	0.323	30/01/2002 13:49	Plant0107	1	Scoop Lecocel 11/1Cu
1162	0.1996	0.42	30/01/2002 13:51	Plant0107	1	Scoop Lecocel 11/1Cu
1163	0.2017	0.454	30/01/2002 14:04	Plant0107	1	Scoop Lecocel 11/1Cu
1164	0.307	0.407	30/01/2002 14:06	Plant0107	1	Scoop Lecocel 11/1Cu
1164	0.2637	0.529	30/01/2002 14:08	Plant0107	1	Scoop Lecocel 11/1Cu
1164	0.1812	0.46	30/01/2002 14:09	Plant0107	1	Scoop Lecocel 11/1Cu
	AVG	0.599841				

TITLE 09-10-01 10:19:51 V01-01958.0 UNKNOWN 03/10/01
CLIENT CRYSTAL GRAPHITE CORPORATION
PROJECT NONE GIVEN #SAMPLES: 23 REFERENCE: P.O. #010901-07
SPECIAL VALUES
!S Insufficient Sample
-9 No Value Recorded
Values above the upper limit are shown as +uplimt
Values below the lower limit are shown as -lolmt (ie not detected)
DETERMINATIONS
ELNAME METHO ECO UNI #SAM LOLMT UPLIMT COMMENTS
01 C Org LECO EC5 PCT 23 0.02 100.00 Results Reported
SAMPLE PREPS
40 SAMPLE TYPE=D DRILL CORE
41 PA2= 23 CRUSH/SPLIT & PULV.
****
FORMAT (1X,A8,3X,A1,3X,A1,3X,A20,1X,1(1X,A7,2X,A1,1X))

BEGIN	Type	Frac	Sample ID	C Org
19580001	D	2	1001	1.48
19580002	D	2	1002	1.05
19580003	D	2	1003	1
19580004	D	2	1004	0.94
19580005	D	2	1005	1.5
19580006	D	2	1006	0.96
19580007	D	2	1007	1.38
19580008	D	2	1008	2.04
19580009	D	2	1009	1.16
19580010	D	2	1010	3.34
19580011	D	2	1011	1.65
19580012	D	2	1012	2.01
19580013	D	2	1013	1.42
19580014	D	2	1014	0.96
19580015	D	2	1015	0.48
19580016	D	2	1016	1.42
19580017	D	2	1017	1.42
19580018	D	2	1018	2.22
19580019	D	2	1019	1.34
19580020	D	2	1020	0.42
19580021	D	2	1021	1.3
19580022	D	2	3139	0.14
19580023	D	2	3140	0.46

END

TITLE 09-11-01 10:55:17 V01-02157.0 T. LEWIS 26/10/01
CLIENT CRYSTAL GRAPHITE CORPORATION
PROJECT NONE GIVEN #SAMPLES: 3 REFERENCE: P.O. #011015-01
SPECIAL VALUES
IS Insufficient Sample
-9 No Value Recorded
Values above the upper limit are shown as +uplimt
Values below the lower limit are shown as -lolmt (ie not detected)
DETERMINATIONS

	ELNAME	METHO	ECO	UNI	#SAM	LOLMT	UPLIMT	COMMENTS
01	Ce	INAA	EC4	PPM	3	2	10000	Results Reported
02	Eu	INAA	EC4	PPM	3	0.5	1000.0	Results Reported
03	La	INAA	EC4	PPM	3	2	10000	Results Reported
04	Lu	INAA	EC4	PPM	3	0.1	1000.0	Results Reported
05	Nd	INAA	EC4	PPM	3	5	1000	Results Reported
06	Sc	INAA	EC4	PPM	3	0.1	5000.0	Results Reported
07	Sm	INAA	EC4	PPM	3	0.1	1000.0	Results Reported
08	Tb	INAA	EC4	PPM	3	1	1000	Results Reported
09	Th	INAA	EC4	PPM	3	0.5	5000.0	Results Reported
10	U	INAA	EC4	PPM	3	1	2000	Results Reported
11	Yb	INAA	EC4	PPM	3	1	1000	Results Reported
12	Cs	INAA	EC4	PPM	3	0.5	0000.0	Results Reported
13	Hf	INAA	EC4	PPM	3	0.5	2000.0	Results Reported
14	Ta	INAA	EC4	PPM	3	1.0	5000.0	Results Reported

SAMPLE PREPS
40 SAMPLE TYPE=D DRILL CORE
41 PA2= 3 CRUSH/SPLIT & PULV.
****
FORMAT (1X,A8,3X,A1,3X,A1,3X,A20,1X,14(1X,A7,2X,A1,1X))

BEGIN	Type	Frac	Sample ID	Ce	Eu	La	Lu
21570001	D	2	41	7	0.7	5	-0.1
21570002	D	2	42	48	0.8	26	-0.1
21570003	D	2	43	34	0.6	20	0.1

END

Nd	Sc	Sm	Tb	Th	U	Yb
6	0.4	0.4	-1	1.4	6	-1
25	1.2	4.3	1	3.5	3	1
17	1.4	3.1	-1	7.2	4	1

Cs	Hf	Ta
3.5	2.5	-1
3.8	-1	-1
8.6	1.5	2.3