DRILL CORE RELOGGING AND RESAMPLING REPORT ON THE CUNNINGHAM CREEK PROPERTY

Black Martin 1-3, Donna, Louise, Jim, PG 1 & 2, Sidewinder 1-3 Claims
Cariboo Mining Division
93A/14W

For

Cathedral Gold Corporation
420-355 Burrard Street
Vancouver, B.C. V6C 2G8

Mark Tindall B.Sc., P.Geo.
August, 2000

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SUMMARY AND RECOMMENDATIONS

A recent discovery of strong gold mineralization over wide intervals of altered wallrock (Bonanza Ledge) of the BC vein on the Cariboo Gold Quartz property in Wells, B.C. prompted Cathedral Gold Corporation to examen the potential for similar style mineralization at their nearby Cunningham Creek property. With this objective, it was decided to re-log drillcore from selected drillholes on the property and to sample intervals of alteration, quartz stockwork veining and/or sulphide mineralization from those drillholes.

Three drillholes from three separate mineralized targets on the Cunningham Creek property were selected based on drill log descriptions of strong alteration, multiple intervals of quartz veining and sulphide mineralization. All three drillholes were relogged. Two of the holes were completely sampled with the exclusion of those intervals sampled during the original drill program. Samples were collected only from intervals of quartz veining, alteration and sulphide mineralization in the third drillhole. A total of 49 core samples were collected and analyzed for 36 elements by ICP and for gold by fire assay with an AA finish.

The strongly gold mineralized intervals of altered wallrock surrounding the BC vein at the Cariboo Gold Quartz property display strong to intense sericite-ankerite alteration, moderate to strong quartz stockwork veining and silicification, variable quantities of fuschite (mariposite) and between 5% and 25% pyrite. Higher gold values are associated with the strongest alteration and with high sulphide content.

At Cunningham creek, all of the feldspathic rocks display moderate to strong sericite alteration caused by regional, greenschist facies, metamorphism. The hydrothermal alteration observed in drillcore from the Cunningham creek property consists of strong ankerite flooding and veining with zones of quartz stockwork veining and patchy silicification. Silicification is notably weaker than at the Bonanza Ledge, even in zones of multiple quartz stockwork veining. Mariposite was not observed in the Cunningham Creek drillcore and the total sulphide content of altered and veined rock rarely exceeds 1-2%.

None of the drillcore sampled from drillholes 84-4 or 84-20 were anomalous for base or precious metals. Short intervals from 84-22, in the hangingwall and footwall of a quartz-sulphide vein zone, were anomalous for gold, silver, lead and zinc. Review of the logs from other drillholes indicates that most of the zones of alteration, veining and sulphide mineralization were thoroughly sampled. It was concluded that Bonanza Ledge style gold mineralization is absent in areas of previous drilling at Cunningham Creek.

Many hundreds of drillholes have been completed on the Wells gold properties in the past. Those drillholes failed to identify Bonanza Ledge style gold mineralization. The recent discovery of the Bonanza Ledge was a fortuitous accident while drilling the BC vein.

The style of veining, alteration and mineralization on the Cunningham Creek property is very similar to that found in the Wells gold camp. It is possible that Bonanza Ledge style, high grade gold mineralization is also present on the Cunningham Creek property. It is recommended that all of the available exploration data from the property be re-evaluated for a Bonanza Ledge type target.

1.0 LOCATION AND ACCESS

The Cunningham Creek property is located approximately 25 kilometres southeast of the town of Wells in south-central British Columbia (figure 1). Wells is located 80 kilometres east of Quesnel. Daily scheduled flights are available from Vancouver to Quesnel. The property is centred at 52°54' north latitude, 121° 21' west longitude on NTS map sheet 93A/14.

Access is by four-wheel drive vehicle from Wells (figure 2). A well maintained forestry road (line 3100) branches from the Wells-Barkerville highway at the Bowron Lakes turnoff, 1 kilometre west of Barkerville. A rough, secondary road, branches from the forestry road, 14 km from the highway, at the Yanks Peak - Keithly Creek turnoff. The right fork in the Yanks Peak road, 13.8 km from the forestry road, leads to the centre of the property. The turnoff to the camp is a further 2.4 km along the road. The road into camp is washed out approximately 350 metres above the camp and the Yanks Peak road is impassable to four wheeled vehicles south of the property boundary.

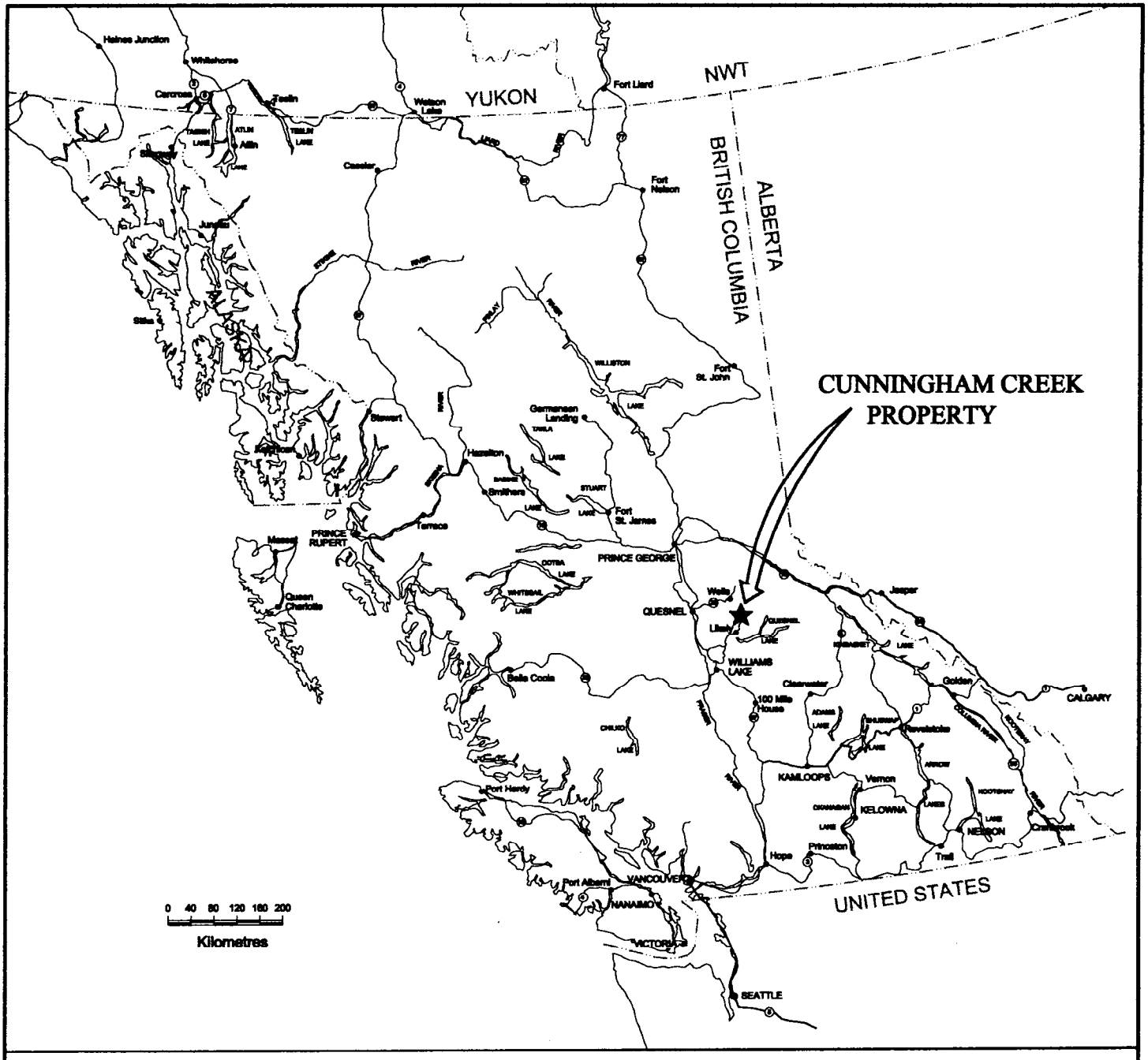
The camp is located at the junction of Pearce and Peter creeks and is comprised of two, relatively intact, wooden buildings and a third building which is derelict. Water is available in the creeks year round. All of the drill core from preceding drill programs is stored in camp. All of the 1986 drill core has been lost due to collapse of the core racks. The remainder of the core is relatively intact although some of the core boxes have been dumped and others are beginning to rot.

2.0 PROPERTY DESCRIPTION

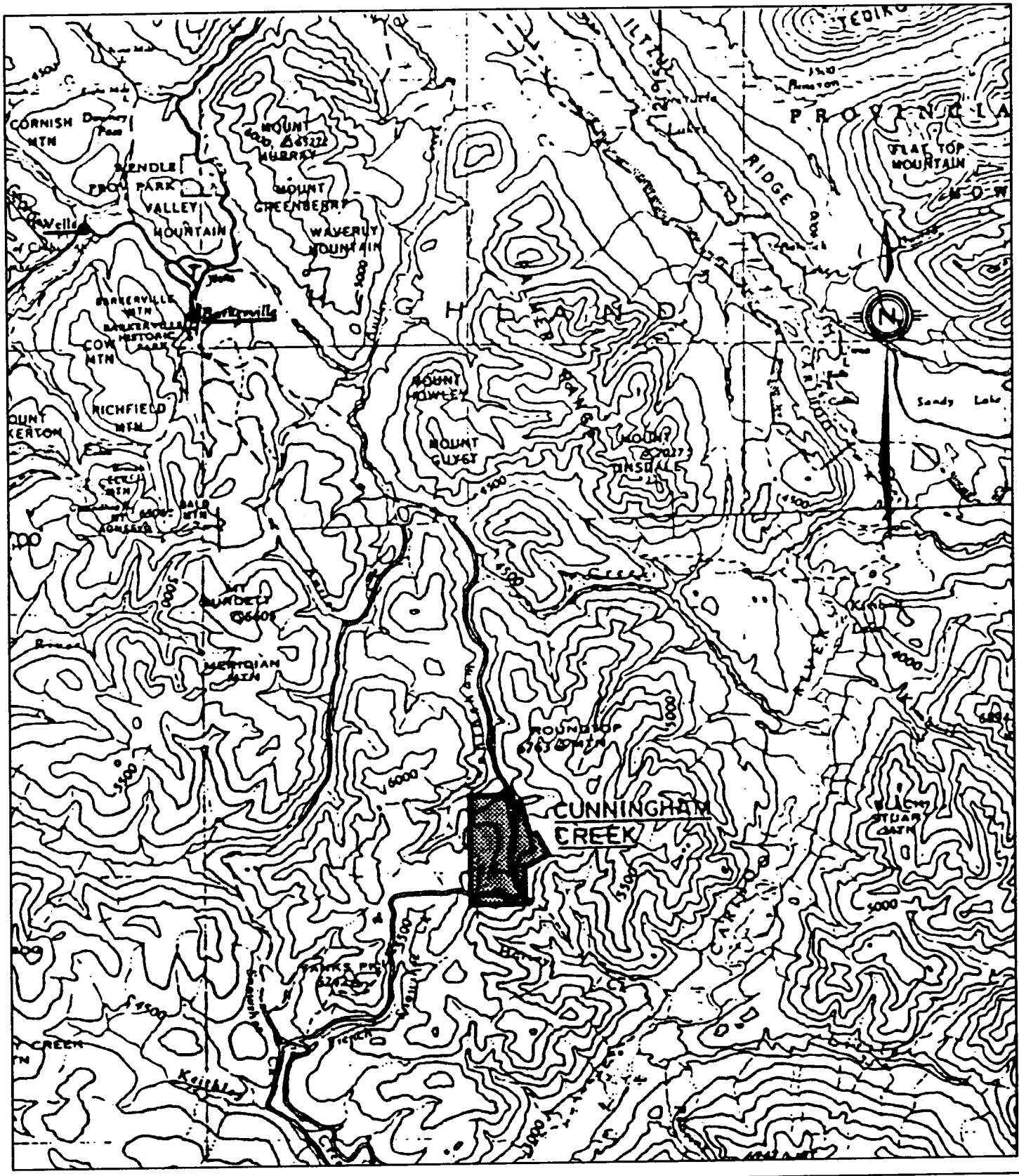
The Cunningham Creek property consists of five reverted crown grants and five modified grid system claims totalling 65 units and covering an area of approximately 825 hectares. A table of claims is shown below and a claim map is included as figure 3.

Cunningham Creek Claims

Claim Name	Title No.	Units	Record Date	Expiry Date
Black Martin 1 & 2	204177	1	8/14/1979	11/21/2000
Black Martin 3	204176	1	8/14/2000	11/21/2000
Louise	205247	20	8/19/1986	11/21/2000
Jim	203991	3	9/7/1976	11/21/2000
Donna	205276	12	9/18/1986	11/21/2000
PG 1	375260	16	4/9/2000	11/21/2000
PG 2	375259	9	4/10/2000	11/21/2000
Sidewinder 3	204755	1	7/11/1983	11/21/2004
Sidewinder 2	204754	1	7/11/1983	11/21/2004
Sidewinder 1	204753	1	7/11/1983	11/21/2004



CATHEDRAL GOLD CORPORATION CUNNINGHAM CREEK PROJECT	PROPERTY LOCATION MAP		
	Drawing File: CC_LCTN.DWG	Date: August, 2000	Figure: 1



SCALE 1:200,000 (APPROX.)

0 5 10

kilometres

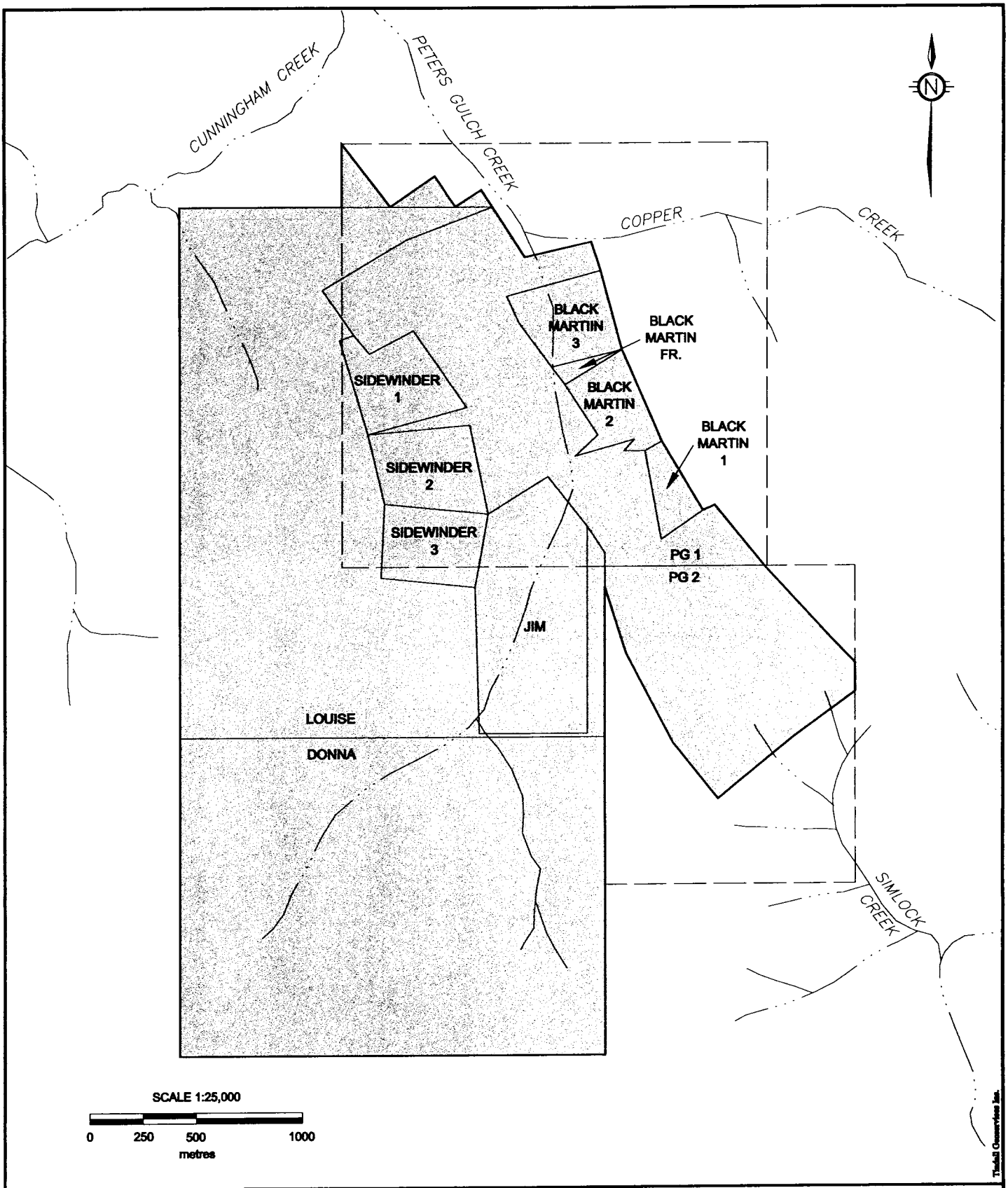
CATHEDRAL GOLD CORPORATION

CUNNINGHAM CREEK

CARIBOO MINING DIVISION, B.C.

LOCATION MAP

FILE NAME	MADE	SCALE: approx	DATE:	FIG
CG1.DWG	TMS	1:200,000	August, 2000	2



CATHEDRAL GOLD CORPORATION
CUNNINGHAM CREEK PROJECT

CLAIM MAP

Drawing File:	Date:	Figure:
CLAIM_MAP.DWG	August, 2000	3

3.0 PHYSIOGRAPHY

The claims lie on the Snowshoe plateau at an average elevation of 1,370 m above sea level. The terrain consists of moderate slopes which are covered in thick spruce forest at lower elevations and more open, alpine vegetation at the highest elevations. During the present program, logging was in progress in the Cunningham Creek valley, approximately 5 kilometres below the property.

The climate is typical for central British Columbia with mild, sometimes wet summers and cold winters. Snowfall can be heavy in the winter and accumulations on the property may exceed two metres. Most parts of the property are clear of snow by the middle of June.

Rock exposures on the property are limited and are generally confined to stream channels.

4.0 HISTORY

The Cariboo region of central British Columbia has been the site of extensive gold exploration and exploitation since the early 1860's when placer gold was discovered near present day Barkerville. Placer gold has been recovered from many creeks in the area surrounding the Cunningham creek property. Cunningham Creek itself is the source of historical and recent placer gold production.

In the vicinity of the Cunningham Creek property, lode gold has been commercially mined from the Cariboo Gold Quartz and Island Mountain mines at Wells, and the QR mine near Likely. Gold is presently being recovered as a by-product of copper mining at the Mount Polley property southwest of Likely. Limited quantities of gold and silver were recovered from quartz-sulphide veins on the Cunningham Creek property when it was known as the Cariboo-Hudson mine.

A brief history of the Cunningham Creek property is summarized below.

- Gold bearing quartz veins were discovered on the property in the early 1920's.
- Between 1937 & 1939, 2440 m of underground workings were developed on 6 levels. and 11,927 tonnes of vein material was processed to produce 161,565 grams of gold and 77,929 grams of silver.
- 1940-1947 saw extensive surface stripping and diamond drilling.
- A scheelite occurrence discovered in 1942 was intermittently exploited until 1953 by surface stripping and 170 m of underground development.
- In the early 1970's, Resourcex Ltd. carried out detailed soil geochemical and geophysical surveys and limited diamond drilling over 6 target areas.
- Since 1978, Imperial Metals Corp. or Cathedral Gold Corp. have completed extensive soil and IP surveys, rehabilitation of the 200 level of the Cariboo-Hudson mine, 1395 m of trenching and 3973 m of diamond drilling in 54 drillholes.

Exploration outlined three significant quartz-sulphide vein systems (Shasta, 605, Cariboo-Hudson) and the Moneta, Sulphide and Gossan replacement style showings.

5.0 REGIONAL GEOLOGY

Mapping by the GSC shows the geology of south-central British Columbia to be composed of four, fault bounded, terranes; from west to east they are Quesnelia, Slide Mountain, Barkerville and Cariboo.

The Wells-Barkerville gold camp and the Cunningham Creek property lie within the Downey Creek formation of the Snowshoe Group in the Barkerville Terrane. The Snowshoe Group is comprised of highly deformed metasedimentary rocks of undetermined age. The Downey Creek formation is composed of phyllites, slates, micaceous quartzites, limestone, marble and green meta-tuffs.

Regionally, the Snowshoe Group has been folded into the Lightening Creek anticline which plunges approximately 20° to the northwest. All of these rocks have been subjected to regional scale, greenschist facies metamorphism.

Within the Barkerville Terrane the most economically significant mineral deposits discovered to date are the placer and lode gold deposits of the Wells-Barkerville camp.

5.1 Wells Lode Gold Deposits

Between 1933 and 1986, approximately 1.2 million ounces of gold were recovered from the Island Mountain, Arum and Cariboo Gold Quartz mines at the town of Wells. At the Island Mountain and Arum mines, Gold mineralization is hosted in quartz-pyrite veins and within pyrite replacement bodies. At the Cariboo Gold Quartz mine, the bulk of the gold ore was hosted in quartz-pyrite veins with only minimal amounts of production from replacement style ore bodies.

The quartz-pyrite veins are hosted by shear zones with three distinct structural trends; northwesterly, northeasterly and easterly. Gold mineralization within the veins averaged between 0.35 and 0.39 oz/t and was recovered from short strike length ore shoots within the veins.

The replacement ore bodies consist of narrow, rod shaped zones of semi-massive to massive pyrite in a matrix of calcite and ankerite with minor blue silica. Replacement mineralization is concentrated along the contact of the Baker and Rainbow members of the Main Band limestone on Island Mountain. The replacement ore shoots plunge parallel to the local lineation at 20°-22° to the northwest. Gold grades from replacement ore averaged 0.63 oz/t over the life of the mines.

In the spring of 2000, International Wayside Gold Mines Ltd. intersected strong gold values over wide intervals of drillcore in the footwall of the unmined, B.C. vein on the Cariboo Gold Quartz property.

ddh BC2K-10 0.719 oz/t over 84.7 ft
ddh BC2K-12 0.606 oz/t over 57.7 ft

They have named this new zone the Bonanza Ledge.

The Bonanza Ledge gold mineralization is hosted in a zone of pervasive sericite alteration which contains quartz-ankerite-pyrite stringers. The following description of the Bonanza Ledge mineralization is excerpted from a report by Panterra Geoservices Inc. (Appendix 4).

> The abundance of stringers is highly variable and range from 0-50% of the overall rock volume. The stringers are often folded and highly contorted. The pyrite content is also highly variable. In lower grade zones (< 10 g/t Au) pyrite occurs as stringers, while in the high grade zones semi-massive pyrite intervals are developed.

6.0 PROPERTY GEOLOGY

Detailed descriptions of the geology of the Cunningham Creek property are available in earlier exploration reports. The claim area is underlain by a northwest trending belt of quartzites, sericitic quartzites, sericitic schists, limestones and chloritic schists of the Snowshoe group. The rock units are often intercalated and contacts may be gradational. Ankerite veining and flooding, accompanied by minor amounts of disseminated pyrite, is often associated with the quartzites and micaceous schists.

The rock units which cross the property strike approximately 320° and dip between 70° and 80° to the northeast. Deformation has resulted in development of a strong foliation, crenulations, and small amplitude isoclinal folding. Foliation is generally at a low angle to the bedding.

6.1 Mineralization

To date, Several types of mineralization have been discovered on the property. The most heavily explored are auriferous, quartz-ankerite-sulphide veins. The veins range from a few centimetres to a few metres in width and from a few metres to several hundred metres in length. The veins display three predominant strike directions; northerly, northeasterly and easterly. The north trending veins are the most prospective for gold mineralization. They occupy faults or shears which strike northerly and dip steeply to the east. The veins pinch and swell and commonly branch. The Shasta, Hudson and 605 veins are the strongest vein systems recognized to date.

The quartz veins are comprised of a gangue of quartz with variable amounts of ankerite. The sulphide content of the veins is variable. Pyrite, and less commonly, sphalerite, galena and chalcopyrite occur as irregular masses, bands and disseminations within the veins. Gold-silver mineralization is associated with the sulphides and gold content generally increases with increasing sulphide content. Gold and sulphide mineralization is concentrated in shoots within the veins which plunge steeply and appear to be controlled by the intersection of structures.

"Replacement" style mineralization was recognized on the property in 1983. The Sulphide and IP showings on the property are found within limestone and argillites north of the junction of Pearce and Peter creeks. They are characterized by small pods and irregular masses of pyrrhotite, pyrite and galena. High but erratic gold values accompany the sulphides. Massive iron oxide float was discovered

in 1986 in a narrow valley west of the Shasta vein. Surface samples returned erratic but highly anomalous gold values. Drilling intersected semi-massive pyrite and pyrrhotite with disappointing gold values.

Tungsten mineralization is found on the property near the intersection of Pearce and Peter creeks. The tungsten occurs as scheelite in quartz veins.

7.0 2000 EXPLORATION PROGRAM

The styles of mineralization on the Cunningham Creek property are similar to those historically mined in the Wells gold deposits. Following the discovery of the Bonanza Ledge it was decided to re-evaluate the Cunningham Creek property for the potential to host Bonanza Ledge style mineralization. With this purpose, three drillholes were selected to be relogged and resampled. Drillhole selection was based on descriptions in the original drill logs of quartz-ankerite stockwork veining, pyrite mineralization and strong sericite alteration. Drillholes 84-4, 84-20 and 84-22 were chosen and represent a sampling of mineralization from the Shasta and 605 veins and the IP replacement zone respectively. A drillhole location map is shown in figure 4.

A two man crew was engaged on the program of relogging and resampling during the period of August 3 to August 7, 2000.

All three of the selected drillholes were relogged. The interval from 116.5 - 157 feet in ddh 84-4 which was missing. Drillholes 84-20 and 84-22 were completely resampled with the exception of those intervals sampled in 1984. Only intervals of sulphide mineralization, strong alteration or quartz-ankerite veining were sampled in ddh 84-4. The drillholes were logged in feet for ease of comparison between the old and new logs. The 1984 and 2000 drill logs are presented in appendix 2.

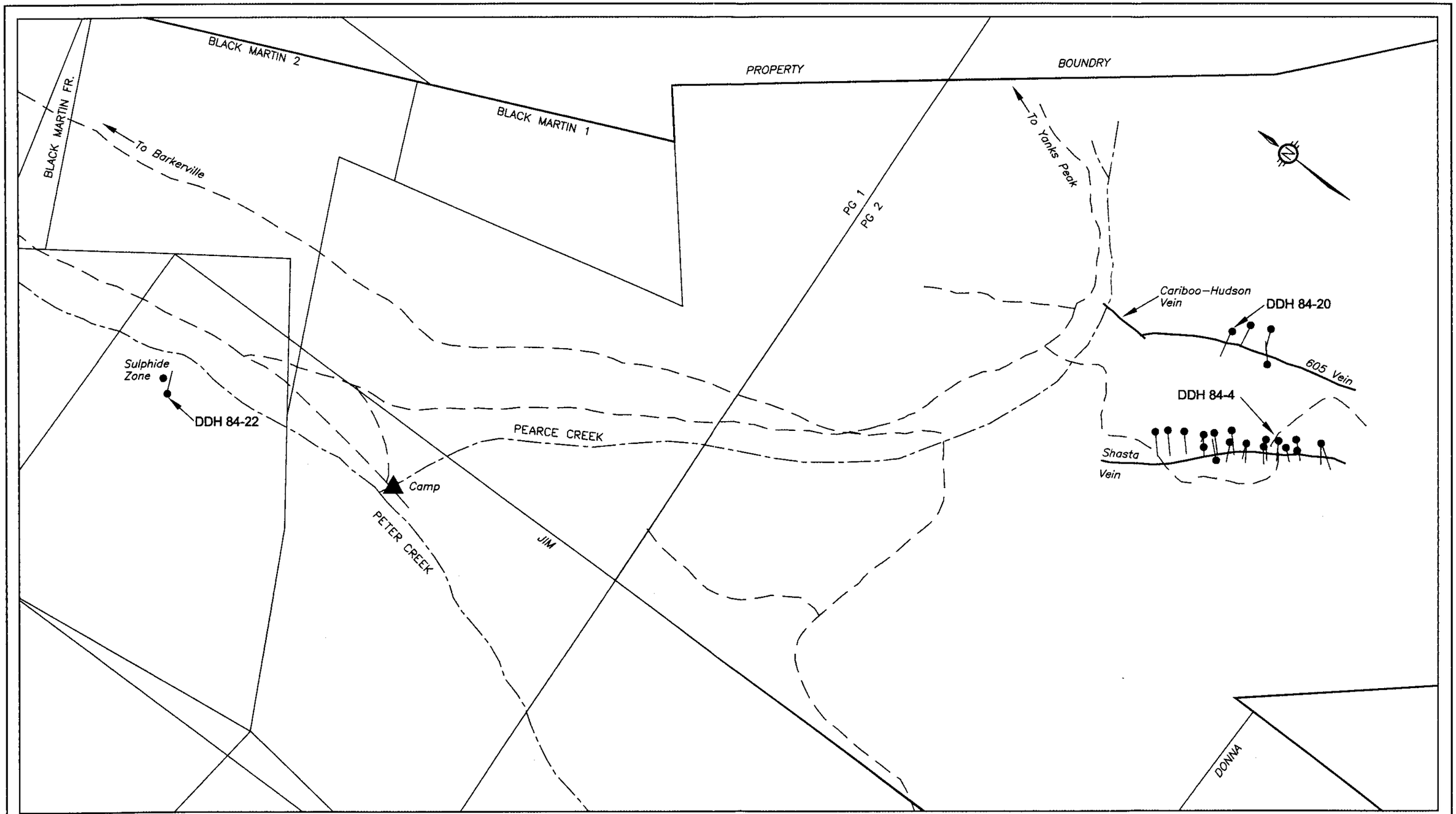
Those intervals selected for sampling were split with a core splitter and one-half was bagged for assaying. The split but unsampled half of the core was returned to the core boxes and the boxes re-stored in the core stacks on the property. A total of 49 samples of drill core were collected. Total expenditures were approximately $8,250 (Appendix 1).

Drillcore samples were submitted to Bondar-Clegg in Vancouver for analysis of 36 elements by ICP and for gold by fire assay with an atomic absorption finish. Analytical results are included in this report as appendix 3.

8.0 CONCLUSIONS AND RECOMMENDATIONS

None of the core sampled from drillholes 84-4 and 84-20 was anomalous in gold, silver or base metals.

In drillhole 84-22, a one foot wide quartz-ankerite vein, from 100.0 - 101.0 feet downhole, assayed 1544 ppb (1.544 g/t) gold but was not anomalous in silver or base metals. The interval from 103.4-



SCALE 1:5000 (APPROX.)

0 100 200 300 m

CATHEDERAL GOLD COPRORATAION		
CUNNINGHAM CREEK PROPERTY		
DRILLHOLE LOCATION MAP		
SCALE 1:5000	DATE August, 2000	FILE NAME DDHFIG4.DWG
MADE BY Tindall Geoservices Inc.	REVISED	FIG 4

110.5 feet returned strongly anomalous values for silver (6.2 ppm), lead (3557 ppm) and zinc (4567 ppm) but not for gold. From 123.0 to 128.2 feet, the analytical results were anomalous for gold (317 ppb) and silver (6.8 ppm) but not for base metals. The anomalous intercepts are in the hangingwall and footwall of a quartz-ankerite-sulphide vein zone from 110.5 to 123.0 feet which, when assayed in 1984, was strongly anomalous in gold silver, lead and zinc. The highest gold assay from this vein zone was 1.91 oz/t from 111.5-113.0 feet. The remainder of drillcore sampled from drillhole 84-22 was not anomalous in base or precious metals.

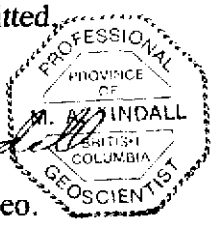
The 2000 program of resampling of old drillcore on the Cunningham Creek property failed to find indications of Bonanza Ledge style mineralization. The hydrothermal alteration observed in the drillcore consists of strong ankerite flooding with relatively narrow zones of quartz stockwork veining. Silicification of wallrock was generally weak and patchy, even in zones of quartz veining. The total sulphide content of altered rocks rarely exceeded 1-2% by volume. Mariposite is mentioned in the original drill logs, however, this was a misidentification of light green talc. Mariposite was not observed in the three drillholes which were relogged.

Review of all of the 1984 and 1986 drill logs indicate that, wide zones of strong alteration, stockwork veining and sulphide mineralization were generally thoroughly sampled. Gold values from those samples were almost always below anomalous levels. It is concluded that Bonanza Ledge style gold mineralization is absent in areas of previous drilling on the Cunningham Creek property.

Many hundreds of drillholes have been completed on the Island Mountain and Cariboo Gold Quartz properties during their history. None of those drillholes identified Bonanza Ledge style mineralization. The recent discovery of the Bonanza Ledge on the Cariboo Gold Quartz property was a fortuitous accident while drilling the BC vein. Since its discovery, additional drilling has indicated that the Bonanza Ledge mineralization is extremely variable in width and possibly discontinuous along the dip. Although the Bonanza Ledge, where drilled, is in the footwall of the BC vein, it appears that it may be oblique to the structure hosting the BC vein and may possibly be unrelated. Substantial additional drilling will be required to evaluate the nature and extent of this new type of gold mineralization.

The style of veining, alteration and mineralization on the Cunningham Creek property is very similar to that found in the Wells gold camp. It is entirely possible that high grade gold mineralization similar to the Bonanza Ledge is present on the Cunningham Creek property. It is recommended that all of the available data, including trenching and soil geochemical and geophysical surveying, be re-evaluated for a Bonanza Ledge style target.

Respectfully submitted,



Mark Tindall P.Geo.

STATEMENT OF QUALIFICATIONS

I, Mark A. Tindall, of 4658 Clinton Street, Burnaby, B.C. V5J 2K7 state that:

1) I am a 1981 graduate of Queen's University, Kingston Ontario with an Honours B.Sc. degree in Geology.

2) I am a Fellow of the Geological Association of Canada.

3) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists in the Province of British Columbia.

4) I have been employed in mineral exploration prior to graduation and have practised my profession, continuously, since 1981.

5) I am a consulting geologist employed by Tindall Geoservices Inc. and am vice president of Tindall Geoservices Inc.

6) I am the author of this report which is based on private and public reports plus on-site investigations.

7) I have no interest, direct or indirect, in the property discussed in this report or in the securities of Cathedral Gold Corporation.

8) I am the owner of 146 shares of Imperial Metals Corporation, which in turn is a major shareholder in the securities of Cathedral Gold Corporation.

9) This report may be used for the development of the property, provided that no portion of it is used out of context or in such manner as to convey meanings different from that set out in the whole.

signed and sealed at Burnaby, British Columbia this 29th day of

August, 2000

PROFESSIONAL ENGINEERS AND GEOSCIENTISTS PROVINCE OF BRITISH COLUMBIA M. A. TINDALL GEOSCIENTIST

M. Tindall

Mark Tindall P. Geo.

SELECTED REFERENCES

DeLancey, P., 1987; Summary Report of the Cunningham Creek Gold Property; in-house report for Imperial Metals Corporation

Hawkins, T.G., 1987; Report on the Cunningham Creek Property; in-house report for Cathedral Gold Corporation

Quinn, S., 1984; Drilling Report on Cunningham Creek Claims; in-house report for Imperial Metals Corporation

Rhys, D.A. & Ross K.V., 2000; Report on Petrography, Check Sampling and Geological Interpretation of Drill core at the Bonanza Ledge Zone, Cariboo Gold Quartz Property, British Columbia; in-house report for International Wayside Gold Mines Ltd.; Appendix 4 of this report

Struick, L.C., 1981; Bedrock Geology Cariboo Lake, Spectacle Lakes, Swift River and Wells Map Areas, Cariboo District, British Columbia; GSC OF858

APPENDIX 1

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

Personnel			
Mark Tindall - geologist	August 1-8, 21-27	8.75 days @ $425	$ 3,719
Richard Ney - core splitter	August 3-8	5.5 days @ $200	1,100
Vehicle Rental & Operation	August 2-8		762
Accommodations - 2 men	August 3-7		555
Meals - 2 men	August 3-7		332
Equipment Purchase & Rental			145
Assays & Sample Prep.		49 samples @ $24.80	1,215
Drafting, Reproduction			421
Total Expenditures			**$8,249**

APPENDIX 2

DRILL LOGS

TINDALL GEOSERVICES INC.	PROPERTY: Cunningham Creek	PAGE 1 OF 5	HOLE NO: 84-4
PROJECT: Relog & Resample	LOGGED BY: M. Tindall	DATE: Aug 6/00	DEPTH: 157'
LOCATION: South Grid	SURVEYED BY:	DATE:	CORE SIZE: NQ
CONTRACTOR:	DATE COLLARED: 23/7/84		DATE COMPLETED: 24/7/84

COORDINATES:		HOLE SURVEY							EQUIPMENT TYPES USED
NORTHING:	1+42 S	DEPTH	0						
EASTING:	3+02 E	INCLINATION	-60°						
ELEVATION:	1729m	AZIMUTH	225°						
METHOD:		INSTRUMENT							

HOLE SUMMARY / COMMENTS

- Hole was originally drilled to test the Shasta Vein

- Select intervals with alteration and quartz veining were chosen for additional sampling

Samples 27143 - 27149

Core boxes 7 & 8 were missing
Box 9, the final box of the hole, is on site

TINDALL GEOSERVICES INC. PAGE 2 OF 5 HOLE NO. 84-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
0	9'		Overburden										
9	116.5		Siltstone/waterlain Tuff	9-31 core broken/hwly weathered strongly limonitic									
			fine-med grained lt green, mdly chloritized probably volcaniclastic tuff andesitic in composition	possible fault with parrings @ 65° to c.A minor narrow 1-2 veinlets									
				Below 31 core is lt green mdly chloritized w weak-mdt ankerite banding along weak-mdt foliation @ 60° to c.A									
				34.6-38.2 ~ 6-7% quartz 2-3% qtz as 3 narrow veinlets tr relict py adjacent to veinlets		27143	34.6	38.2	3.6	<5	0.2	37	107
				38.2-41.2 ~ 20% qtz as narrow veinlets & irreg patches ~ 10% ankerite along foliation & in veins tr-1% py & sphalerite in veinlets		27144	38.2	41.2	3.0	<5	<.2	38	75

TINDALL GEOSERVICES INC. PAGE 3 OF 5 HOLE NO. 84-4

FOOTAGE FROM	FOOTAGE TO	LOG		ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
					41.2 - 65.3 mdly chloritized									
					Lckly Sericitized wrok - 5% ankerite along foline; minor narrow qtz veinlets									
					55.5 - 56.0 qtz vein w 5-7% ankerite no sulphides noted									
					65.3 - 68.6 7-8% qtz as narrow (-3 cm, irreg veinlets, 10-15% ankerite along foline & vein selvedges no sulphides noted		27145	65.3	68.6	3.3	16	<.2	71	77
					68.6 - 74.0 10-12% qtz, 15% ankerite narrow veins & irreg patches <1% fine py blebs in veins approx 85% recovery		27146	68.6	74.0	5.4	47	<.2	100	195
					74.0 - 77.0 previously sampled									

TINDALL GEOSERVICES INC. PAGE 4 OF 5 HOLE NO. 84-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				77.0 - 104.0 mdly chloritized wkly sericitized w minor - 5% ankerite along foliation @ 45° to C.A. minor narrow qtz veinlets									
				87-90 mdly silicified wk qtz veining previously sampled									
				@ 104.0 core becomes abruptly bleached									
				104.0 - 112.9 alternating bleached & chloritized bands w strong ankerite along foliation and mottling		27147	104.0	108.2	4.2	<5	<.2	21	50
						27148	108.2	112.9	4.7	17	<.2	24	52
				7-10% qtz as multiple narrow veinlets 1-4% py as small blebs in veins and fine-med dissemination, may be sphalerite mixed w ankerite									

TINDALL GEOSERVICES INC. PAGE 5 OF 5 HOLE NO. 84-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				112.9 - 116.5 bleaching is		27149	112.9	116.5	3.6	<5	<.2	33	71
				weather ~ 6-7% anthoite along									
				foliage and as metallic spots									
				< 1% qtz as 2 1 t 2 cm									
				veinlets minor disseminated									
				pyrite									
				End of Box 6									
				Boxes 7 & 8 Missing									
				Box 9, the last box									
				is on site									
				EOH @ 157'									

TINDALL GEOSERVICES INC.	PROPERTY: Cunningham Creek	PAGE 1 OF 6	HOLE NO: 84-20
PROJECT: Relog & Resample	LOGGED BY: M. Tindall	DATE: Aug 5/00	DEPTH: 161 ft
LOCATION:	SURVEYED BY:	DATE:	CORE SIZE: NQ
CONTRACTOR:	DATE COLLARED: 31/7/84		DATE COMPLETED: 31/7/84

COORDINATES: Coura Grid		HOLE SURVEY						EQUIPMENT TYPES USED
NORTHING: 0+12 S.	DEPTH	0						
EASTING: 3+94 E	INCLINATION	250°						
ELEVATION: 1745m	AZIMUTH	-40°						
METHOD:	INSTRUMENT							

HOLE SUMMARY / COMMENTS

- Hole objective was to drill the 605 vein

- Hole was relogged and all core not sampled in 1984 was split due to large amount of quartz and qtz veining and strong alteration

Samples 27113 - 27142

TINDALL GEOSERVICES INC. PAGE 2 OF 6 HOLE NO. 84-20

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
0	1		Overburden	1-12' ~ 55% core recovery									
1	161		Siltstone ?	1-23.5 core strongly bleached		27118	1	12	11	10	<.2	2	31
			massive TO finely	to tan-lt green w strong									
			bedded, fine-med	ankerite, sericite alteration									
			grained tan to	with minor talc.		27119	12	14.8	2.8	22	<.2	22	51
			lt green sandy	14.3-19.8 Qtz veins w									
			siltstone/wacke	5% ankerite no visible sulphides		27120	14.8	19.8	5.0	<5	0.2	3	38
				14.8-19.8 minor 0.5 cm qtz									
				veinlets and small patches		27121	19.8	23.9	4.1	<5	<.2	5	41
				19.8-23.9 3-4% qtz as									
				narrow veinlets									
				23.5-25.0 gradual decrease in									
				intensity of alteration									
				Below 25.0 weak-mod ankerite									
				about foliation and as irregular									
				patches weak sericite-talc									
				alt'n.									
				23.9-27.0 ~5% ankerite		27122	23.9	27.0	3.1	6	<.2	14	90
				27.0-31.3 7-8% qtz as		27123	27.0	31.3	4.3	5	<.2	<1	49
				1 cm - 10 cm qtz ankerite									
				veinlets, no sulphides noted									

TINDALL GEOSERVICES INC. PAGE 3 OF 6 HOLE NO. 84-20

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				31.3 - 35.0 7-8% qtz as		27124	31.3	35.0	3.7	70	<.2	<1	3
				6 1cm - 5cm qtz ankerite veinlets no sulphides noted									
				35.0 - 39.9 ~ 5-7% ankerite		27125	35.0	39.9	4.9	6	<.2	27	49
				along mdt foliation @ 70° to C.A. minor narrow qtz veins									
				39.9 - 46.0 ~ 15% qtz as		27126	39.9	46.0	6.1	23	<.2	13	45
				1 - 8 cm qtz - ankerite veins and irreg. patches <1% diss py & tr. sphalerite? in veinlet,									
				46 - 51' previously sampled									
				51 - 58.3 1 3 cm qtz vein		27127	51.0	58.3	7.3	<5	<.2	35	73
				5-7% ankerite along foliation									
				58.3 - 66.0 ~ 5% qtz as		27128	58.3	66.0	7.7	<5	<.2	24	57
				2 irregular veinlets small patches of silicification									
				5-7% ankerite along foliation and in veinlets no sulphides noted									

TINDALL GEOSERVICES INC. PAGE 4 OF 6 HOLE NO. B4-20

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				66-67 previously sampled									
				Q.V. w minor galena, 3-5% sphalerite as large irregulars.									
				67.0-71.0 7-8% ankerite		27129	67.0	71.0	4.0	<5	<.2	10	39
				along foliation minor									
				silicified patches 1x1 cm in									
				4cm irreg qtz ankerite									
				veinlet									
				71.0-76.0 previously									
				sampled									
				76.0-86.5 7-10% ankerite		27130	76.0	81.9	5.9	<5	<.2	15	56
				along foliation									
						27131	81.9	86.5	4.6	<5	<.2	47	74
				86.5-96.0 [illegible]		27132	86.5	92.2	5.7	9	0.5	33	96
				w 10% qtz ank 5 4-18 cm									
				qtz ankerite veinlets minor		27133	92.2	96.0	3.8	<5	<.2	34	73
				sphalerite in veinlets									
				96.0-100.0 wkly-mdly									
				ankeritized wkly sericitized		27134	96.0	100.0	4.0	8	<.2	13	35
				100.0-102.5 previously									
				Sampled									

TINDALL GEOSERVICES INC. PAGE 5 OF 6 HOLE NO. B4-20

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				102.5 - 118.0 WKly - mdtly ankeritized, mdtly - strongly sericitized. minor silicification patches of		27135	102.5	111.7	9.2	<5	<.2	<1	82
						27136	111.7	118.0	6.3	<5	<.2	9	74
				118.0 - 123.0 previously sampled									
				123.0 - 128.9 Strongly sericitized 10% qtz as veinlets and irreg patches <5% ankerite no		27137	123.0	128.9	5.9	<5	<.2	17	54
				sulphides noted									
				128.9 - 135.3 minor qtz as narrow veinlets <3% ankerite strongly sericitized		27138	128.9	135.3	6.4	<5	<.2	23	79
				135.3 - 139.3 10% qtz as 4 3cm - 20cm qtz ankerite veinlets no sulphides noted		27139	135.3	139.3	4.0	<5	<.2	17	59
				139.3 - 142.0 Strongly sericitized <2% ankerite no qtz no sulphides		27140	139.3	142.0	2.7	<5	<.2	13	56
				142.0 - 146.0 20% qtz 10% ankerite as multiple narrow veinlets rr py		27141	142.0	146.0	4.0	<5	<.2	12	56

TINDALL GEOSERVICES INC. PAGE 6 OF 6 HOLE NO. 84-20

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				146.0 - 154.0 previously sampled									
				154.0 - 161.0 wkly sericitized + chloritized 5% qtz as veinlets and irreg patches 5% ankerite in veins & along foliae no Sulphides noted		27142	154.0	161.0	7.0	<5	<.2	16	45
				161.0 EOH									

TINDALL GEOSERVICES INC.	PROPERTY: Cunningham Creek	PAGE 1 OF 5	HOLE NO: 84-22
PROJECT: Resample	LOGGED BY: M. Tindall	DATE: 8	DEPTH: 151'
LOCATION: Central Grid	SURVEYED BY:	DATE:	CORE SIZE: NQ
CONTRACTOR:	DATE COLLARED:		DATE COMPLETED: 2/8/84

COORDINATES:		HOLE SURVEY							EQUIPMENT TYPES USED
NORTHING:	0+96N	DEPTH	0						
EASTING:	11+00W	INCLINATION	-50°						
ELEVATION:	1505m	AZIMUTH	065°						
METHOD:		INSTRUMENT							

HOLE SUMMARY / COMMENTS

- The original objective of the drillhole was to test an area of high chargeability outlined by an IP survey

- The hole was relogged and all core not split in 1984 was split and sampled in order to assay multiple intervals of quartz veining and alteration

Samples 27101 - 27117

TINDALL GEOSERVICES INC. PAGE 2 OF 5 HOLE NO. 84-22

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au ppb	ASSAYS Ag ppm	ASSAYS Cu ppm	ASSAYS Zn ppm
0	40		Casing										
40	50.5		Sericite schist Dark silver-grey Sericite schist fol @ 20° to CA	minor ankerite bands along foliation 48.9 – 49.6 Quartz vein w 30% ankerite, no sulphides		27101	40	50.5	10.5	<5	2.2	36	10
50.5	56.5		siltstone blk f. gr, strongly foliated @ 20° to C.A w. ~ 3% ankerite bands along foliation			27102	50.5	55		<5	0.2	67	12
56.5	60		Quartz vein mass. white qtz minor lim. Stain on fracts throughout	55 – 61.5 prev. sampled									
60	61.5		Sericite Schist as above										

TINDALL GEOSERVICES INC. PAGE 3 OF 5 HOLE NO. B4-22

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
61.5	76.0		Sandy wacke bleached, lt grey-green, med grained wkly foliated w variable anastomozing ankerite bands wkly sicfd w minor qtz veins	61.5-68.7 trace diss py ~10% ankerite	Tr	27103	61.5	68.7	7.2	<5	<.2	23	74
				68.7-76.0 15-20% ankerite, 1-2% 1mm, diss py cubes	1-2	27104	68.7	76.0	7.3	<5	<.2	23	50
76.0	106.5		Siltstone/ Sericite schist blk to dk silvery-grey v. f gr	Moderely to strongly foliated is sch-istose w >50% sericite, fol. @ 20° to C.A.									
				76.0-82.5 7-8% ankerite along foliation <1% diss py 95 cubes	<1	27105	76.0	82.5	6.5	<5	<.2	50	47
				82.5-86.0 prev sampled									
				86.0-86.9 same as 76.0-82.5	<1	27106	86.0	86.9	0.9	8	<.2	39	19
86.9	88.1		Quartz Ankerite Vn	86.9-88.1 40% ankerite 1-3% coarse py blebs	1-3	27107	86.9	88.1	1.2	43	<.2	30	33
						27108	88.1	93.8	5.7	6	<.2	52	42
				88.1-93.8 strongly foliated @ 50% to C.A w ~7-8% qtz	<1								
				Vn/1st 5-7% ankerite along foliation <1% diss py.									

TINDALL GEOSERVICES INC. PAGE 4 OF 5 HOLE NO. 84-22

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm
				93.8 - 100.0 Strongly foliated Siltstone w minor qtz veining	<1	27109	93.8	100.0	6.2	17	0.3	45	47	
				2-3% ankerite group foliae <1% diss py										
100.0	101.0		Qtz-Ankerite Vein	100.0 - 101.0 ~ 10% ankerite no Sulphides noted		27110	100.0	101.0	1.0	1544	<.2	97	26	
101.5	151.0		Sandy Wacke It grey-green med grained wkly-mdtly foliated; mdtly Sericitized mdtly-intensely ankeritized	101.0 - 103.4 Strongly foliated Siltstone w ~ 20% fine ankerite bands @ 103.4 core abruptly becomes mdtly-strongly ankeritized w large irregular sections of strong ankerite replacement		27111	101.0	103.4	2.4	<5	0.2	22	32	
				103.4 - 110.5 mdt-strong qtz veining & irregular masses ~ 15% qtz + 15% ankerite <1% diss py	<1%	27112	103.4	110.5	7.1	21	6.1	21	3557	458
				110.5 - 123.0 previously sampled										
				123.0 - 128.2 Intensely ankeritized w fine laminae & large irreg. patches 60-70% ankerite 5-7% qtz as narrow veins & irreg. patches. 1-5% py as disseminations & large irreg clots	1-5	27113	123.0	128.2	5.2	317	6.8	70	92	

TINDALL GEOSERVICES INC. PAGE 5 OF 5 HOLE NO. 84-22

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au ppb	Ag ppm	Cu ppm	Zn ppm
				128.2 - 132.2 intensely (80%) quartz veinized w 5-7% qtz as 3 narrow veins and a few irreg. masses < 1% diss py	<	27114	128.2	132.2	4.0	39	0.3	97	202
				@ 132.2 degree of quartz veinization abruptly decreases remaining core mdtly (~20%) quartz veined as minor foliae an small irreg patches giving core spotted appearance.									
				132.2 - 138.0 mdtly quartz veined & sericitized, minor qtz + tr py	Tr	27115	132.2	138.0	5.8	50	0.3	37	48
				138.0 - 140.5 same as above		27116	138.0	140.5	2.5	31	0.3	< 1	49
				140.5 - 146.0 previously sampled									
				146.0 - 151.0 as above		27117	146.0	151.0	5.0	19	0.5	32	43
				151.0 EOH									

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	South Grid	CORRECT DIP	-60°	PAGE	1 OF 3
HOLE NO.	84-4	LAT.	3+02E, 1+42S	TRUE BRG	225°	LOGGED BY	S.P. Quin
COMMENCED	23/7/84	DEP.		SURVEY AT	157' - 72°	DATE	25/7/84
COMPLETED	24/7/84	ELEV.	+1729m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Shasta Vein	CORE SIZE	N.Q.	LENGTH	157'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS in ppm, Au in ppb					
								Cu	Pb	Zn	Ag	As	Au
0	9'		Casing. No core.										
9	32	S	Coarse, poorly sorted, dirty sandstone mostly heavily weathered and iron stained to 30'. 30-32' fairly pale grey sandstone with 10-15% 1mm quartz qragments. 20-27' core broken and possible fault @ 23'.										
32'	102'	M	Mudstone, sericitic with alternating bands of mudstone and coarser poorly sorted sericitic sandstone. Locally heavily silicified. 1-2% disseminated pyrite especially associated with sericitic mudstone bands. Heavily silicification 55' - 56', 65' - 68'6", 73' - 74', 75'6" - 76'.	A38	74'	77'	3'	19	43	68	.1	24	5
				A39	87'	90'	3'	38	23	60	.1	28	5
102'	122'	S	Dirty sericitic sandstone with 20-30% 1mm blue-grey quartz grains in fine sandy-matin with sericitic partings. 2-3% pyrite blebs, fine grained disseminated throughout but with local bands of less than 1mm thick pyrite often along minor sericitic partings. Also 1-2' bands of mudstone with	A43	119	122'	3'	22	4	38	.1	65	100

DRILL RECORD — IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	South Grid	CORRECT DIP	-60°	PAGE	2 OF 3
HOLE NO.	84-4	LAT.	3+02E, 1+42S	TRUE BRG	225°	LOGGED BY	S.P. Quin
COMMENCED	23/7/84	DEP.		SURVEY AT	157' = 72°	DATE	25/7/84
COMPLETED	24/7/84	ELEV.	+1729m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Shasta Vein	CORE SIZE	N.Q.	LENGTH	157'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS Cu	Pb	Zn	Ag	As	Au
			dolomitic rhombs 114-116', 117'6"-119'	A43	119	122	3'	22	4	38	1	65	100
122'	128'	Qv	Massive white quartz vein with 5-10% very fine	A40	122	124	2'	15	110	1	2.0	2241	7920
			grained pyrite in large (3-4cm) blebs 1%	A41	124	126	2'	4	3	1	0.2	286	1490
			arsenopyrite and less than 1% galena.	A42	126	128	2'	10	25	12	1.7	655	1260
			126'6" 3" mudstone parting										
			128' heavily sheared and deformed for 6"										
128'	149	S	Medium to coarse grained sandstone with 5-10%	A44	128	130'6"	2'6"	16	6	29	.2	79	15
			mudstone partings (sericitic) in 1-5cm bands.	A45	130'6"	134'	3'6"	29	65	42	.7	135	225
			Locally heavily silicified and quartz veined.										
			Less than 1% pyrite especially along mudstone bands. 137' - mariposite rich mudstone? 147' = 6" very coarse grains of quartz 0.5 - 1cm and mud partings deformed around them. Possibly in graded bed indicating right way up.										
149'	157'	M	Talcose limey mudstone possibly with 10-15% bolomite rhombs. Brownish colour. Quartz - carbonate veined and 2cm vein cross cuts foliation @ 152 - 154' clearly shows carbonate predates quartz. Locally heavily										

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	South Grid	CORRECT DIP	-60°	PAGE 3	OF 3
HOLE NO.	84-4	LAT.	3+02E, 1+42S	TRUE BRG	225°	LOGGED BY	S.P. Quin
COMMENCED	23/7/84	DEP.		SURVEY AT	157' = 72°	DATE	25/7/84
COMPLETED	24/7/84	ELEV.	+1729m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Shasta Vein	CORE SIZE	N.Q.	LENGTH	157'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS
			silicified - remains of cherty bands in post dpositional?					

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	South Grid	CORRECT DIP	-40°	PAGE	1 OF 2
HOLE NO.	84-20	LAT.	3+44E 0+12S	TRUE BRG	250°	LOGGED BY	S.P. Quin
COMMENCED	31/7/84	DEP.		SURVEY AT	161' = -50° 30'	DATE	1/8/84
COMPLETED	31/7/84	ELEV.	+1745m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Drill 605 Vein	CORE SIZE	N.Q.	LENGTH	161'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS in %; Ag, Au in oz/t					
								Cu	Pb	Zn	Ag	As	Au
0'	1'	S	Casing - core recovered HQ size. Massive pale grey slightly sericitic sandstone.										
1'	161'	M-S	Graded bedding of mudstone - locally brownish colour and fine sandstone.										
			Locally massive siltstone to fine sandstone @ 16'-20' very similar to that in hole #84-19 @ 15'-19'										
			Local silicification @ 28'-29', 30'-32', 33'-33'6", 41'6"-42'6"	B38	46'	51'	5'	.01	.01	.01	.02	.01	.001
			46'-51 mudstone with 2-3% pyrite in bands up to 0.5mm.										
		Qv	66'-67' massive white quartz vein with sulphides: less than 1% galena and 4-5% red-brown sulphide possibly weathered pyrite? Still has sulphide appearance.	B40	66'	67'	7'	.01	.14	.58	.03	.01	.007
			71'-76' mudstone with 1-2% fine grained pyrite in fine bands along foliation.	B41	71'	76'	5'	.01	.01	.01	.01	.01	.001
		Qv	86'-87' quartz vein with less than 1% galena in mudstone.										
			90'6"-91'6" quartz carbonate vein NVM										

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	South Grid	CORRECT DIP	-40°	PAGE	2 OF 2
HOLE NO.	84-20	LAT.	3+44E 0+12S	TRUE BRG	250°	LOGGED BY	S.P. Quin
COMMENCED	31/7/84	DEP.		SURVEY AT	161' = 50°30'	DATE	1/8/84
COMPLETED	31/7/84	ELEV.	+1745m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Drill 605 Vein	CORE SIZE	N.Q.	LENGTH	161'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS in %; Ag, Au in oz/ Cu	Pb	Zn	Ag	As	Au
			Possible minor shear zone 94'-96' core blocky and minor quartz veining.										
				B42	100'	101'	1'	.01	.09	.32	.02	.01	.001
			101'-102'6" quartz veined mudstone with 50% quartz vein and vein has 1-2% each of pyrite and galena.	B43	101'	102'6"	1'6"	.01	1.02	.77	.23	.01	.186
			118'-118'6" quartz vein in brown sericite mud- stone with 2-3% pyrite.	B44	118'	118'6"	6"	3.07	.01	.12	.37	.01	.029
				B45	118'6"	121'6"	123'	2'	.01	.01	.01	.01	.001
				B46	121'6"	123'	1'6'	.01	.01	.01	.01	.01	.01
			118'6"-123' mudstone locally silicified with quartz ankerite veins and minor pyrite.										
			146'-150' quartz veined mudstone with 95% quartz ankerite veins ending in possible fault zone with 1-2% dissem. pyrite.	B47	146'	150'	4'	.01	.01	.01	.02	.01	.001
			150'-154' mudstone with 2-3% dissem. pyrite assoc. with minor silicified zones.	B48	150'	154'	4'	.01	.01	.01	.01	.01	.01

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	Central Grid	CORRECT DIP	-50°	PAGE	1 OF 3
HOLE NO.	84-22	LAT.	11+00W 0+96N	TRUE BRG	065	LOGGED BY	S.P. Quin
COMMENCED	2/8/84	DEP.		SURVEY AT		DATE	3/8/84
COMPLETED	2/8/84	ELEV.	+1505m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Drill IP Anomaly	CORE SIZE	N.Q.	LENGTH	151'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS in %, Ag, Au in oz/t Cu	Pb	Zn	Ag	As	Au
0	40'		Casing. No core.										
40'	45'	M	Mudstone - fairly dark grey sericitic mudstone strongly weathered. Locally talcose.										
45'	63'	Cs	Fairly dark grey to dark green chlorite schist, locally quartz veined and has minor sandstone bands @ 46'-47' and 60'-61'. 1-2% disseminated pyrite in very dark chloritic sections.										
			Quartz carbonte vein 48'6"-49'										
				C1	55'	56'6"	1'6"	.01	.01	.01	.02	.01	.001
			Quartz vein 56'6-60' with minor carbonate and NVM except less than 1% pyrite at contact with mudstone.	C2	56'6"	60'	3'6"	.01	.01	.01	.02	.01	.008
				C3	60'	61'6"	1'6"	.01	.01	.01	.04	.01	.001
63'	76'	S	Medium to pale grey sandstone, locally silicified @ 65'6"-66' 25% quartz vein chlorite sections 70'-72' - minor mudstone bands and has 1-2% pyrite associated.										
76'	106'6"	Cs	Dark green chlorite schist with 1-2% pyrite throughout. Locally have 1-4" pale grey sectionsof more sericitic mudstone and minor siltstone/sandstone bands.										

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	Central Grid	CORRECT DIP	-50°	PAGE	2 OF 3
HOLE NO.	84-22	LAT.	11+00W 0+96N	TRUE BRG	065	LOGGED BY	S.P. Quin
COMMENCED	2/8/84	DEP.		SURVEY AT		DATE	3/8/84
COMPLETED	2/8/84	ELEV.	+1505m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Drill IP Anomaly	CORE SIZE	N.Q.	LENGTH	151'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS in %, Ag, Au in oz/ Cu	Pb	Zn	Ag	As	Au
			84'-85' quartz vein minor calcite and 2-3% pyrite throughout.	C4	82'6"	84'	1'6"	.01	.01	.01	.01	.01	.00
				C5	84'	85'	1'	.01	.01	.01	.03	.01	.00
				C6	85'	86'	1'	.01	.01	.01	.03	.01	.00
			87'-88'2" quartz calcite vein with 1-2% pyrite mostly @ contact with mudstone 50% each calcite and quartz.										
			90'-90'6" calcite - quartz vein with about 75% calcite.										
			90'6"-95' chlorite schist banded with 30-40% siltstone stringers appear to be bandinaged along foliation into lenses bands up to 1cm.										
			97'-101' quartz veining about 50% of rock.										
			102'-105' lighter grey mudstone with 30-40% dark chloritic bands.										
			105' quartz calcite vein approx. 2cm wide with galena along contact with mudstone.										
106'6"		L	Wormy limestone with minor chloritic mudstone band @ 111'-112' with 4-5% pyrite- coarse and euhedral.	C7	110'6"	111'6"	1'	.01	.01	.01	.01	.01	.01
				C8	111'6"	113'	1'6"	.01	1.25	1.24	2.14	0.51	1.9
					34.0	34.4							

DRILL RECORD — IMPERIAL METALS CORPORATION

PROPERTY	Cunningham Creek	LOCATION	Central Grid	CORRECT DIP	-50°	PAGE 3	OF 3
HOLE NO.	84-22	LAT.	11+00W 0+96N	TRUE BRG	065	LOGGED BY	S.P. Quin
COMMENCED	2/8/84	DEP.		SURVEY AT		DATE	3/8/84
COMPLETED	2/8/84	ELEV.	+1505m	% RECOVERY		CORE STORED	Camp
OBJECTIVE	Drill IP Anomaly	CORE SIZE	N.Q.	LENGTH	151'	UNUSUAL FEAT.	

FROM	TO	SYMBOL	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ANALYSIS in %, Ag, Au in oz/t					
								Cu	Pb	Zn	Ag	As	Au
			112'6"-113' quartz vein 60% pyrite, 5% galena	C9	113'	116'6"	3'6"	.01	.01	.01	.01	.01	.00
		Qv	116'6"-122' heavily quartz veined section	C10	116'6"	117'6"	1'	.01	5.96	.01	4.71	.03	.10
			though recovery poor 117'6"-120' possible	C11	117'6"	120'	2'6"	.01	2.04	.01	1.53	.01	.02
			fault zone. Vein material heavily mineral-	C12	120'	122'	2'	.01	6.55	1.71	7.45	.04	.14
			ized with pyrite (up to 30% locally) and	C13	122'	123'	1'	.01	.08	.01	.08	.01	.00
			galena up to 10% locally.			37m							
				C14	140'6"	141'6"	1'	.01	.01	.01	.03	.01	.00
			141'6"-145' quartz carbonte veined section	C15	141'6"	145'	3'6"	.01	.01	.01	.01	.01	.00
			(70-80%) vein). Calcite comprises	C16	145'	146'	1'	.01	.01	.01	.01	.01	.00
			30-40% of vein. Minor pyrite 1-2% of vein.										
			N.B. Limestone is locally pyritized less than 1% with coarse (1-2mm) euhedral pyrite.										

APPENDIX 3

ANALYTICAL RESULTS

TITLE 14-08-00 13:17:14 V00-01543.0 M. TINDALL 09/08/00

CLIENT CATHEDRAL GOLD CORPORATION

PROJECT CUNNINGHAM CRK #SAMPLES: 49

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 Au30	FA-30	EH3	PPB	49	5	10000	Results Reported
02 Ag	ICP	EA1	PPM	49	0.2	200.0	Results Reported
03 Cu	ICP	EA1	PPM	49	1	10000	Results Reported
04 Pb	ICP	EA1	PPM	49	2	10000	Results Reported
05 Zn	ICP	EA1	PPM	49	1	10000	Results Reported
06 Mo	ICP	EA1	PPM	49	1	10000	Results Reported
07 Ni	ICP	EA1	PPM	49	1	20000	Results Reported
08 Co	ICP	EA1	PPM	49	1	20000	Results Reported
09 Cd	ICP	EA1	PPM	49	0.2	2000.0	Results Reported
10 Bi	ICP	EA1	PPM	49	5	2000	Results Reported
11 As	ICP	EA1	PPM	49	5	10000	Results Reported
12 Sb	ICP	EA1	PPM	49	5	2000	Results Reported
13 Hg	CV AA	EA1	PPM	49	0.010	50.000	Results Reported
14 Fe	ICP	EA1	PCT	49	0.01	10.00	Results Reported
15 Mn	ICP	EA1	PPM	49	1	20000	Results Reported
16 Te	ICP	EA1	PPM	49	10	2000	Results Reported
17 Ba	ICP	EA1	PPM	49	1	2000	Results Reported
18 Cr	ICP	EA1	PPM	49	1	20000	Results Reported
19 V	ICP	EA1	PPM	49	1	20000	Results Reported
20 Sn	ICP	EA1	PPM	49	20	2000	Results Reported
21 W	ICP	EA1	PPM	49	20	2000	Results Reported
22 La	ICP	EA1	PPM	49	1	2000	Results Reported
23 Al	ICP	EA1	PCT	49	0.01	10.00	Results Reported
24 Mg	ICP	EA1	PCT	49	0.01	10.00	Results Reported
25 Ca	ICP	EA1	PCT	49	0.01	10.00	Results Reported
26 Na	ICP	EA1	PCT	49	0.01	10.00	Results Reported
27 K	ICP	EA1	PCT	49	0.01	10.00	Results Reported
28 Sr	ICP	EA1	PPM	49	1	2000	Results Reported
29 Y	ICP	EA1	PPM	49	1	2000	Results Reported
30 Ga	ICP	EA1	PPM	49	2	10000	Results Reported
31 Li	ICP	EA1	PPM	49	1	20000	Results Reported
32 Nb	ICP	EA1	PPM	49	1	10000	Results Reported
33 Sc	ICP	EA1	PPM	49	5	2000	Results Reported
34 Ta	ICP	EA1	PPM	49	10	1000	Results Reported
35 Ti	ICP	EA1	PCT	49	0.010	5.000	Results Reported
36 Zr	ICP	EA1	PPM	49	1	5000	Results Reported

Sample ID	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
27101	-5	-0.2	36	10	62	2	37	17	0.5	-5
27102	-5	0.2	67	12	84	7	52	20	0.6	-5
27103	-5	-0.2	23	4	74	2	40	13	0.3	-5
27104	-5	-0.2	23	7	50	2	40	12	0.2	-5
27105	-5	-0.2	50	9	47	7	43	16	0.3	-5
27106	8	-0.2	39	4	19	7	39	10	0.2	-5
27107	43	-0.2	30	77	33	-1	5	7	0.3	-5
27108	6	-0.2	52	22	42	6	47	16	0.3	-5
27109	7	0.3	45	19	47	8	45	18	0.3	-5
27110	1544	-0.2	9	3	26	10	19	4	-0.2	-5
27111	-5	0.2	22	2	32	2	32	14	0.3	-5
27112	21	6.1	21	4567	3557	-1	12	15	37.8	-5
27113	317	0.8	70	114	92	2	15	33	0.9	-5
27114	39	0.3	97	92	202	-1	14	28	2.1	-5
27115	50	0.3	37	14	48	-1	13	21	0.4	-5
27116	31	0.3	-1	3	49	2	19	30	0.2	-5
27117	19	0.5	32	27	43	-1	15	19	0.3	-5
27118	10	-0.2	2	8	31	3	14	5	0.2	-5
27119	22	-0.2	22	8	51	-1	31	12	-0.2	-5
27120	-5	0.2	3	14	38	2	21	8	-0.2	-5
27121	-5	-0.2	5	7	41	2	21	7	0.4	-5
27122	6	-0.2	14	6	90	-1	50	16	0.6	-5
27123	59	-0.2	-1	4	49	-1	30	10	0.3	-5
27124	70	-0.2	-1	3	34	3	22	7	-0.2	-5
27125	6	-0.2	27	3	49	1	44	14	0.2	-5
27126	23	-0.2	13	8	45	-1	46	14	0.2	-5
27127	-5	-0.2	35	7	73	2	47	16	0.4	-5
27128	-5	-0.2	24	29	57	-1	54	16	-0.2	-5
27129	-5	-0.2	10	2	39	-1	37	13	-0.2	-5
27130	-5	-0.2	15	-2	56	2	45	14	-0.2	-5
27131	-5	-0.2	47	6	74	-1	52	21	-0.2	-5
27132	9	0.5	33	205	96	-1	33	13	0.2	-5
27133	-5	-0.2	34	11	73	-1	44	15	-0.2	-5
27134	8	-0.2	13	8	35	3	34	11	0.2	-5
27135	-5	-0.2	-1	6	82	-1	62	22	0.2	-5
27136	-5	-0.2	9	5	74	-1	66	21	0.2	-5
27137	-5	-0.2	17	7	54	3	42	17	-0.2	-5
27138	-5	-0.2	23	7	79	-1	42	15	-0.2	-5
27139	-5	-0.2	17	5	59	-1	42	14	-0.2	-5
27140	-5	-0.2	13	3	56	2	33	11	-0.2	-5
27141	-5	-0.2	12	-2	56	-1	35	14	0.3	-5
27142	-5	-0.2	16	3	45	-1	45	12	-0.2	-5
27143	-5	0.2	37	4	107	2	62	22	-0.2	-5
27144	-5	-0.2	38	14	75	-1	55	19	-0.2	-5
27145	16	-0.2	71	44	77	-1	25	19	0.2	-5
27146	47	-0.2	100	49	195	-1	16	38	0.4	-5
27147	-5	-0.2	21	15	50	-1	38	13	-0.2	-5
27148	17	-0.2	24	8	52	-1	45	19	0.2	-5
27149	-5	-0.2	33	14	71	2	51	18	-0.2	-5

Sample ID	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
27101	-5	-0.2	36	10	62	2	37	17	0.5	-5
27102	-5	0.2	67	12	84	7	52	20	0.6	-5
27103	-5	-0.2	23	4	74	2	40	13	0.3	-5
27104	-5	-0.2	23	7	50	2	40	12	0.2	-5
27105	-5	-0.2	50	9	47	7	43	16	0.3	-5
27106	8	-0.2	39	4	19	7	39	10	0.2	-5
27107	43	-0.2	30	77	33	-1	5	7	0.3	-5
27108	6	-0.2	52	22	42	6	47	16	0.3	-5
27109	7	0.3	45	19	47	8	45	18	0.3	-5
27110	1544	-0.2	9	3	26	10	19	4	-0.2	-5
27111	-5	0.2	22	2	32	2	32	14	0.3	-5
27112	21	6.1	21	4567	3557	-1	12	15	37.8	-5
27113	317	0.8	70	114	92	2	15	33	0.9	-5
27114	39	0.3	97	92	202	-1	14	28	2.1	-5
27115	50	0.3	37	14	48	-1	13	21	0.4	-5
27116	31	0.3	-1	3	49	2	19	30	0.2	-5
27117	19	0.5	32	27	43	-1	15	19	0.3	-5
27118	10	-0.2	2	8	31	3	14	5	0.2	-5
27119	22	-0.2	22	8	51	-1	31	12	-0.2	-5
27120	-5	0.2	3	14	38	2	21	8	-0.2	-5
27121	-5	-0.2	5	7	41	2	21	7	0.4	-5
27122	6	-0.2	14	6	90	-1	50	16	0.6	-5
27123	59	-0.2	-1	4	49	-1	30	10	0.3	-5
27124	70	-0.2	-1	3	34	3	22	7	-0.2	-5
27125	6	-0.2	27	3	49	1	44	14	0.2	-5
27126	23	-0.2	13	8	45	-1	46	14	0.2	-5
27127	-5	-0.2	35	7	73	2	47	16	0.4	-5
27128	-5	-0.2	24	29	57	-1	54	16	-0.2	-5
27129	-5	-0.2	10	2	39	-1	37	13	-0.2	-5
27130	-5	-0.2	15	-2	56	2	45	14	-0.2	-5
27131	-5	-0.2	47	6	74	-1	52	21	-0.2	-5
27132	9	0.5	33	205	96	-1	33	13	0.2	-5
27133	-5	-0.2	34	11	73	-1	44	15	-0.2	-5
27134	8	-0.2	13	8	35	3	34	11	0.2	-5
27135	-5	-0.2	-1	6	82	-1	62	22	0.2	-5
27136	-5	-0.2	9	5	74	-1	66	21	0.2	-5
27137	-5	-0.2	17	7	54	3	42	17	-0.2	-5
27138	-5	-0.2	23	7	79	-1	42	15	-0.2	-5
27139	-5	-0.2	17	5	59	-1	42	14	-0.2	-5
27140	-5	-0.2	13	3	56	2	33	11	-0.2	-5
27141	-5	-0.2	12	-2	56	-1	35	14	0.3	-5
27142	-5	-0.2	16	3	45	-1	45	12	-0.2	-5
27143	-5	0.2	37	4	107	2	62	22	-0.2	-5
27144	-5	-0.2	38	14	75	-1	55	19	-0.2	-5
27145	16	-0.2	71	44	77	-1	25	19	0.2	-5
27146	47	-0.2	100	49	195	-1	16	38	0.4	-5
27147	-5	-0.2	21	15	50	-1	38	13	-0.2	-5
27148	17	-0.2	24	8	52	-1	45	19	0.2	-5
27149	-5	-0.2	33	14	71	2	51	18	-0.2	-5

Sample ID	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sn
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
27101	19	-5	-0.01	5.28	1663	-10	46	62	13	-20
27102	18	-5	-0.01	4.52	788	-10	77	71	7	-20
27103	15	-5	-0.01	3.25	463	-10	33	39	4	-20
27104	13	-5	-0.01	3.49	706	-10	34	42	5	-20
27105	10	-5	-0.01	4.31	703	-10	45	18	4	-20
27106	16	-5	-0.01	3.64	2409	-10	39	27	5	-20
27107	15	-5	-0.01	5.38	4572	-10	13	70	2	-20
27108	8	-5	-0.01	4.72	1817	-10	36	35	4	-20
27109	9	-5	-0.01	4.22	812	-10	41	37	5	-20
27110	5	-5	-0.01	4.65	3058	-10	52	67	8	-20
27111	15	-5	-0.01	4.5	1383	-10	42	35	7	-20
27112	26	-5	0.052	9.59	5094	-10	36	18	6	-20
27113	63	-5	-0.01	8.66	2639	-10	37	24	11	-20
27114	47	-5	-0.01	10	4340	-10	38	9	13	-20
27115	24	-5	-0.01	7.35	2002	-10	49	12	11	-20
27116	43	-5	-0.01	6.92	1290	-10	101	139	19	-20
27117	30	-5	-0.01	5.9	1823	-10	50	14	9	-20
27118	-5	-5	-0.01	1.66	550	-10	20	81	5	-20
27119	10	-5	-0.01	3.47	832	-10	24	40	4	-20
27120	15	-5	-0.01	2.38	801	-10	21	51	4	-20
27121	21	-5	-0.01	2.69	843	-10	27	55	5	-20
27122	56	-5	-0.01	4.65	862	-10	40	29	6	-20
27123	38	-5	-0.01	5.38	1849	-10	32	42	6	-20
27124	27	-5	-0.01	4.11	1343	-10	46	69	8	-20
27125	18	-5	-0.01	4.12	741	-10	46	33	5	-20
27126	27	-5	-0.01	3.95	1041	-10	42	43	4	-20
27127	11	-5	-0.01	4.51	1284	-10	58	52	5	-20
27128	12	-5	-0.01	4.58	891	-10	45	43	4	-20
27129	17	-5	-0.01	3.71	1068	-10	31	34	3	-20
27130	14	-5	-0.01	4.09	1300	-10	40	53	6	-20
27131	24	-5	-0.01	4.49	1177	-10	42	26	4	-20
27132	20	-5	-0.01	4.27	1892	-10	45	70	3	-20
27133	18	-5	-0.01	5.08	1570	-10	36	46	3	-20
27134	16	-5	-0.01	3.34	952	-10	41	88	5	-20
27135	31	-5	-0.01	4.81	2095	-10	49	27	4	-20
27136	15	-5	-0.01	4.6	1849	-10	52	26	4	-20
27137	20	-5	-0.01	4.4	953	-10	41	68	5	-20
27138	14	-5	-0.01	4.58	628	-10	48	40	4	-20
27139	11	-5	-0.01	4.11	908	-10	40	60	8	-20
27140	9	-5	-0.01	3.24	534	-10	36	87	13	-20
27141	32	-5	-0.01	3.41	876	-10	32	52	5	-20
27142	14	-5	-0.01	3.81	649	-10	38	63	12	-20
27143	17	-5	-0.01	5.48	588	-10	45	46	6	-20
27144	17	-5	-0.01	5.24	721	-10	99	49	6	-20
27145	18	-5	-0.01	5.79	1195	-10	51	45	27	-20
27146	29	-5	-0.01	9.65	1532	-10	78	24	79	-20
27147	21	-5	-0.01	3.77	869	-10	31	38	4	-20
27148	54	-5	-0.01	4.7	682	-10	32	36	4	-20
27149	51	-5	-0.01	4.58	570	-10	37	42	5	-20

Sample ID	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li
	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm
27101	-20	8	0.5	2.11	5.01	-0.01	0.15	118	5	-2	3
27102	-20	8	0.55	1.28	2.33	0.01	0.21	63	3	-2	1
27103	-20	10	0.33	0.94	1.28	-0.01	0.14	33	2	-2	1
27104	-20	10	0.34	1.23	1.91	-0.01	0.14	55	2	-2	1
27105	-20	8	0.33	1.47	2.23	-0.01	0.14	65	2	-2	1
27106	-20	10	0.34	1.09	3.45	-0.01	0.15	57	4	-2	1
27107	-20	-1	0.05	1.61	5.82	-0.01	0.02	74	5	-2	1
27108	-20	6	0.3	1.46	3.41	-0.01	0.13	70	4	-2	1
27109	-20	7	0.3	1.29	1.97	-0.01	0.13	54	3	-2	1
27110	-20	4	0.23	1.79	5.86	-0.01	0.09	106	6	-2	1
27111	-20	6	0.39	1.81	5.17	-0.01	0.16	114	4	-2	1
27112	471	3	0.3	2.65	10	-0.01	0.11	173	7	-2	2
27113	-20	1	0.36	2.12	7.89	-0.01	0.13	156	6	-2	1
27114	887	2	0.37	2.85	10	-0.01	0.13	202	7	-2	2
27115	-20	3	0.39	2.13	6.18	-0.01	0.15	120	5	-2	2
27116	-20	9	0.75	2.27	5.67	0.02	0.26	122	5	-2	2
27117	-20	4	0.38	2.29	7.29	-0.01	0.14	163	5	-2	2
27118	-20	9	0.33	0.63	1.65	-0.01	0.07	37	2	-2	4
27119	-20	9	0.28	1.38	3.65	-0.01	0.11	83	3	-2	2
27120	-20	11	0.27	1.25	3.5	-0.01	0.1	88	3	-2	1
27121	-20	11	0.29	1.34	3.53	-0.01	0.12	85	3	-2	1
27122	-20	21	0.41	1.69	2.49	-0.01	0.19	61	3	-2	2
27123	-20	12	0.38	2.04	3.92	-0.01	0.15	108	6	-2	1
27124	-20	15	0.46	1.38	2.44	-0.01	0.2	75	3	-2	2
27125	-20	13	0.45	1.31	2.02	-0.01	0.18	57	3	-2	2
27126	-20	11	0.35	1.17	1.58	-0.01	0.16	47	3	-2	1
27127	-20	13	0.42	1.21	0.75	-0.01	0.18	28	3	-2	2
27128	-20	12	0.4	1.21	0.82	-0.01	0.16	25	2	-2	2
27129	-20	12	0.29	1.09	1.34	-0.01	0.12	36	2	-2	1
27130	-20	15	0.4	1.13	0.92	0.01	0.17	28	2	-2	2
27131	-20	18	0.42	1.22	0.9	-0.01	0.16	26	3	-2	2
27132	-20	19	0.36	1.19	1.16	-0.01	0.15	39	2	-2	2
27133	-20	17	0.35	1.39	1.08	-0.01	0.14	29	2	-2	3
27134	-20	15	0.4	0.81	0.75	-0.01	0.17	21	2	-2	2
27135	-20	17	0.4	1.85	2.43	-0.01	0.17	65	3	-2	2
27136	-20	16	0.4	1.61	2.07	0.02	0.15	50	3	-2	2
27137	-20	15	0.38	1.23	0.76	0.02	0.13	24	2	-2	3
27138	-20	20	0.48	1.24	0.45	0.02	0.15	16	2	-2	4
27139	-20	12	0.71	1.29	1.34	0.02	0.1	37	2	-2	11
27140	-20	16	1.08	1	0.75	0.01	0.09	20	1	-2	19
27141	-20	11	0.39	1.06	1.3	0.01	0.1	37	2	-2	5
27142	-20	12	1.14	1.13	0.95	0.01	0.11	27	2	-2	17
27143	-20	10	0.42	1.16	2.2	-0.01	0.15	54	2	-2	3
27144	-20	9	0.52	1.23	2.57	0.01	0.15	66	3	-2	5
27145	-20	6	1.16	1.35	3.06	-0.01	0.1	100	3	-2	14
27146	-20	4	2.66	2.05	4.14	-0.01	0.12	144	5	-2	31
27147	-20	13	0.37	1.09	1.56	-0.01	0.15	51	2	-2	2
27148	-20	16	0.34	1.34	1.05	-0.01	0.15	36	3	-2	1
27149	-20	14	0.46	1.22	0.78	-0.01	0.19	25	2	-2	2

Sample ID	Nb	Sc	Ta	Ti	Zr	S				
	ppm	ppm	ppm	ppm	ppm	%				
27101	-1	-5	-10	-0.01	4	0.27				
27102	-1	-5	-10	-0.01	5	0.66				
27103	-1	-5	-10	-0.01	1	0.3				
27104	-1	-5	-10	-0.01	1	0.39				
27105	-1	-5	-10	-0.01	5	0.88				
27106	-1	-5	-10	-0.01	8	0.6				
27107	-1	-5	-10	-0.01	-1	0.74				
27108	-1	-5	-10	-0.01	3	0.82				
27109	-1	-5	-10	-0.01	5	0.79				
27110	-1	-5	-10	-0.01	2	0.22				
27111	-1	-5	-10	-0.01	2	0.46				
27112	-1	-5	-10	-0.01	-1	0.54				
27113	-1	5	-10	-0.01	-1	1.38				
27114	-1	5	-10	-0.01	-1	0.27				
27115	-1	5	-10	-0.01	-1	0.55				
27116	-1	6	-10	-0.01	-1	0.09				
27117	-1	5	-10	-0.01	-1	0.22				
27118	-1	-5	-10	-0.01	2	0.02				
27119	-1	-5	-10	-0.01	3	0.12				
27120	-1	-5	-10	-0.01	3	0.05				
27121	-1	-5	-10	-0.01	2	0.08				
27122	-1	-5	-10	-0.01	4	0.08				
27123	-1	-5	-10	-0.01	4	0.17				
27124	-1	-5	-10	-0.01	5	0.14				
27125	-1	-5	-10	-0.01	6	0.33				
27126	-1	-5	-10	-0.01	2	0.23				
27127	-1	-5	-10	-0.01	6	0.45				
27128	-1	-5	-10	-0.01	3	0.38				
27129	-1	-5	-10	-0.01	-1	0.1				
27130	-1	-5	-10	-0.01	-1	0.09				
27131	-1	-5	-10	-0.01	6	0.21				
27132	-1	-5	-10	-0.01	4	0.09				
27133	-1	-5	-10	-0.01	3	0.16				
27134	-1	-5	-10	-0.01	3	0.17				
27135	-1	-5	-10	-0.01	3	0.11				
27136	-1	-5	-10	-0.01	2	0.2				
27137	-1	-5	-10	-0.01	2	0.12				
27138	-1	-5	-10	-0.01	3	0.05				
27139	-1	-5	-10	-0.01	-1	0.07				
27140	-1	-5	-10	-0.01	-1	0.03				
27141	-1	-5	-10	-0.01	-1	0.13				
27142	-1	-5	-10	-0.01	-1	0.14				
27143	-1	-5	-10	-0.01	-1	0.31				
27144	-1	-5	-10	-0.01	3	0.29				
27145	-1	-5	-10	-0.01	-1	0.34				
27146	4	6	-10	-0.01	-1	0.47				
27147	-1	-5	-10	-0.01	1	0.17				
27148	-1	-5	-10	-0.01	1	0.22				
27149	-1	-5	-10	-0.01	2	0.26				