WHITING CREEK PROJECT

DRILLING REPORT

on the

WHIT 1-17 CLAIMS (WHIT #1 & WHIT #2 GROUPS)

Omineca Mining Division

NTS: 93E/11 and 14

LAT: 53°45'; LONG: 127°12.5'W

OPERATOR: SMD Mining Co. Ltd.

OWNER: SMD Mining Co. Ltd./Kennco Explorations, (Western) Ltd.

R. Cann
October 1981

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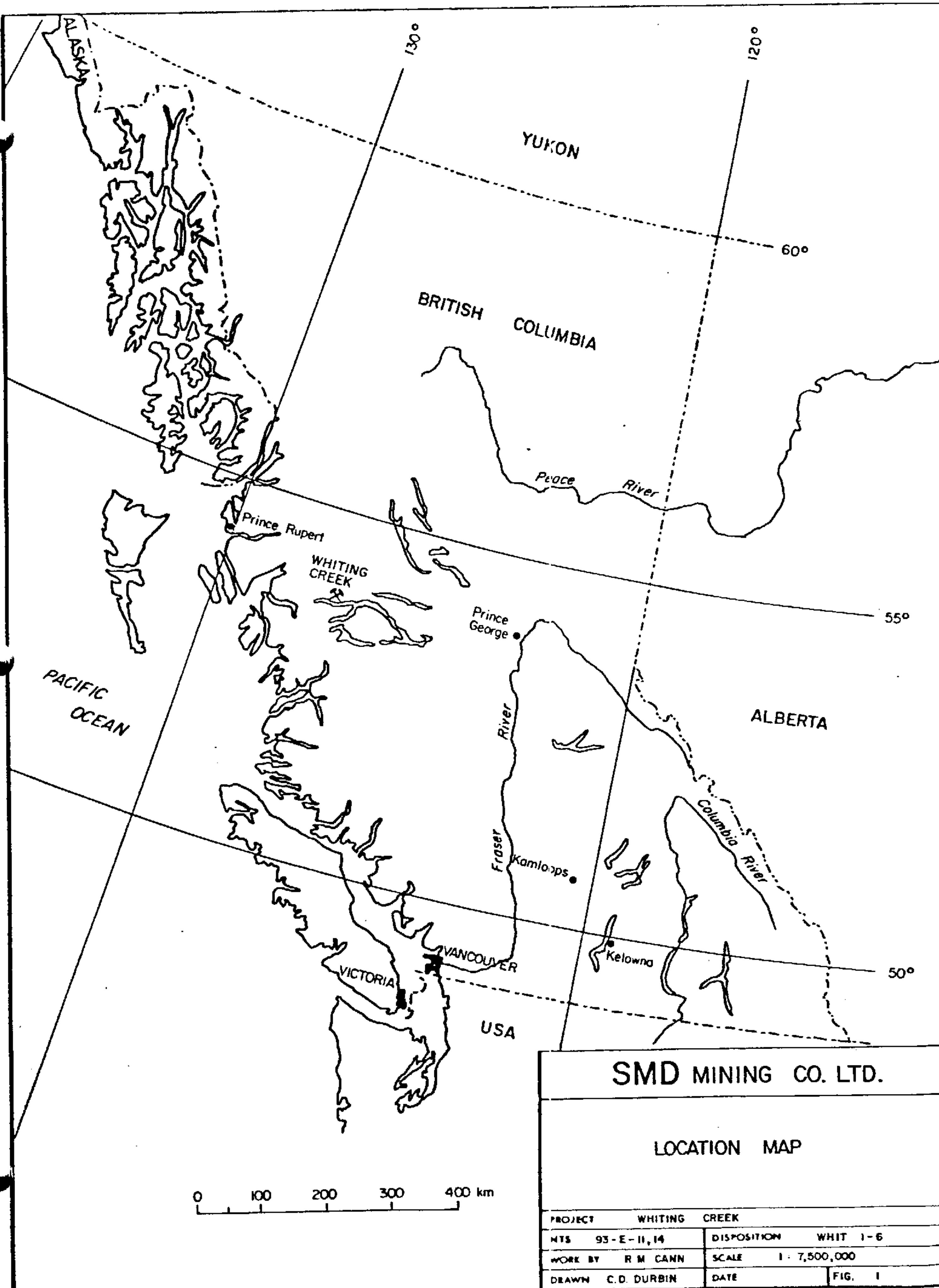
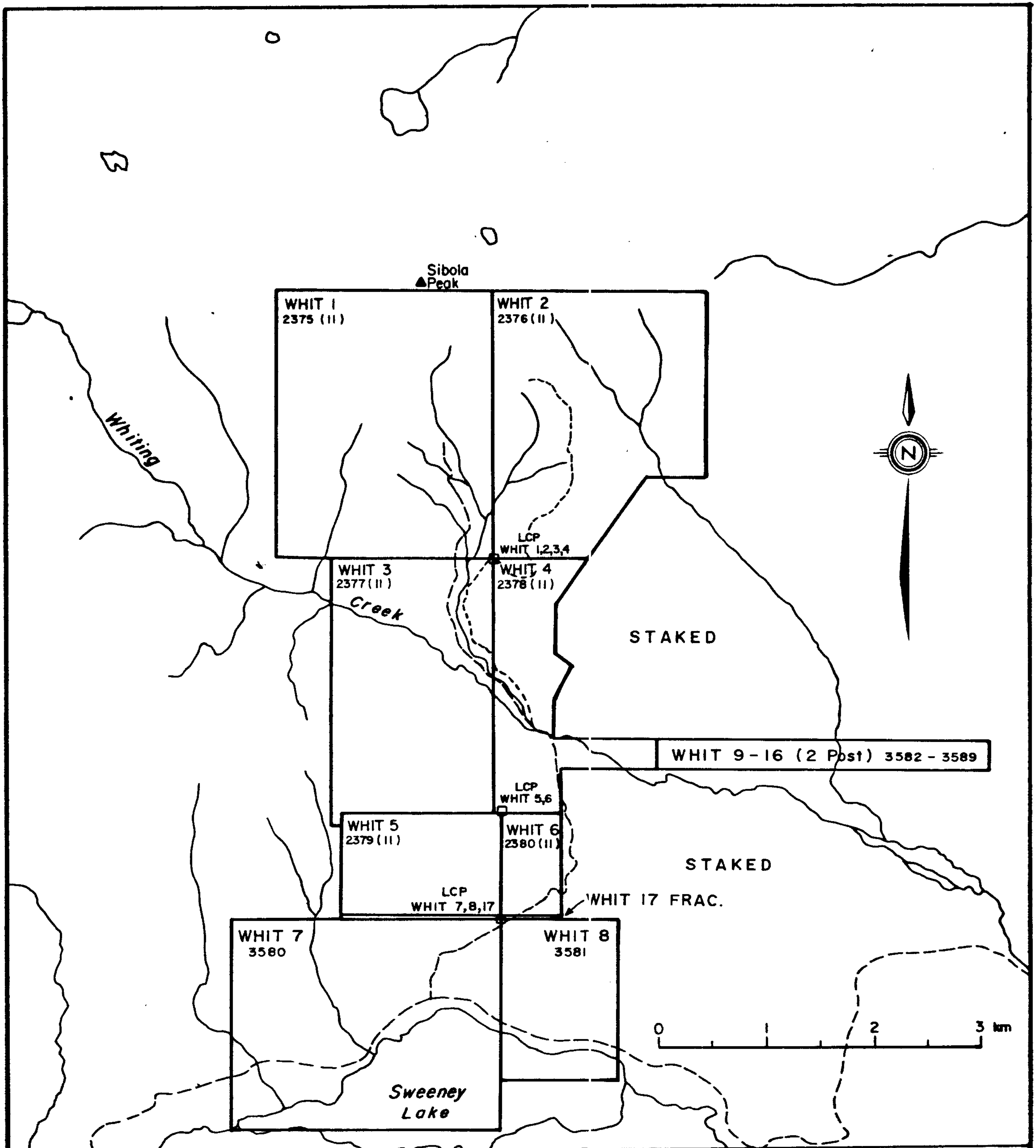


SMD MINING CO. LTD.			
LOCATION MAP			
PROJECT WHITING CREEK			
NTS 93-E-11,14	DISPOSITION WHIT 1-6		
WORK BY R M CANN	SCALE 1 : 7,500,000		
DRAWN C.D. DURBIN	DATE	FIG. 1	



SMD MINING CO. LTD.

INDEX MAP

PROJECT	WHITING CREEK		
NTS	93-E-11,14	DISPOSITION	WHIT 1-6
WORK BY	R.M. CANN	SCALE	1: 50,000
DRAWN	C.D. DURBIN	DATE	FIG. 2

1. INTRODUCTION

(i) Location and Access

The Whit 1-17 claims (Figs. 1 and 2) are located 116 km due south of Smithers in west-central B.C. Access to the property is south via the Francois Lake forestry road, which leaves Highway 16 just west of Houston, and then southwest via the Nadina Lake-Tahtsa Lake forestry road to Sweeney Lake. Final access is 3 km by a four-wheel drive road which leaves the forestry road at the north tip of Sweeney Lake. Total road distance from Houston is 120 km.

Physiographically the property lies at the east end of the Sibola Range in a transition zone between the Coast Mountains and the Nechako Plateau. Topography is rugged with the maximum elevation on the property being 2190 m at Sibola Peak and the lowest being 1030 m.

(ii) Claim Definition

The property was originally staked in 1963 by Kennco Explorations, (Western) Ltd. as the Whit 1 to 40 claims. In 1979 SMD Mining Co. Ltd. entered into an option agreement with Kennco Explorations, (Western) Ltd. and in the same year the claims were abandoned and relocated as the Whit 1 to 6 claims. These claims are owned by Kennco Explorations, (Western) Ltd. In 1981 the Whit 7 and 8 claims were added together with a fractional claim and eight two-post claims located to cover a fraction in adjoining ground. These Whit 7-17 Fr claims are owned by SMD Mining Co. Ltd. and are defined below together with the Whit 1-6 claims. Current operator is SMD Mining Co. Ltd.

For the purpose of recording assessment work the claims have been grouped into the Whit #1 Group (Whit 1,3,5) and the Whit #2 Group (Whit 2,4,6-17).

TABLE 1

CLAIM DATA

Claim	Units	Tag No.	Record No.	Record Date
WHIT 1	20	49581	2375	November 29, 1981
WHIT 2	20	49582	2376	"
WHIT 3	15	49583	2377	"
WHIT 4	15	49584	2378	"
WHIT 5	6	49585	2379	"
WHIT 6	6	49586	2380	"
WHIT 7	20	67965	3580	February 11, 1981
WHIT 8	6	67966	3581	"
WHIT 9	1	514691M	3582	"
WHIT 10	1	514692M	3583	"
WHIT 11	1	514693M	3584	"
WHIT 12	1	514694M	3585	"
WHIT 13	1	514695M	3586	"
WHIT 14	1	514696M	3587	"
WHIT 15	1	514697M	3588	"
WHIT 16	1	514698M	3589	"
WHIT 17Fr.	-	64320	4035	August 7, 1981

(iii) Summary of Work

Between July 4 and October 14, 1981, 17 NQ diamond drill holes totalling 3,478.96 m were drilled on the property.

Sixteen, 5 cm percussion drill holes, totalling 1020.9 m were drilled between July 17 and August 3, 1981.

Access to drill sites was provided by constructing 3.5 km of new road.

Work is broken down and summarized by individual claims in Tables 2 and 3.

2. DRILLING

(i) Diamond Drilling

Diamond drilling was conducted to determine molybdenum grades and tonnages in a quartz porphyry plug and to test copper grades in a granodiorite stock near Whiting Creek. Drilling was done by Coates Enterprises Ltd. of Vancouver, B.C. using a Longyear Super 38 drill. Eighteen NQ holes totalling 3,478.96 m were drilled in 13 weeks. Core was split on the property with half being stored at the camp site. The other half of the core was sent to Min-En Laboratories Ltd. Vancouver, to be assayed for Cu, Mo, and geochemically analyzed for Au, Ag, Pb, Zn, W.

Drill sites and access roads were prepared by Coates Enterprises Ltd. using an HD11 caterpillar tractor. Most drill sites were on or near existing roads.

Drill results are summarized in Table 4 while drill logs and assyas are compiled in Appendices A, B & C. Drill collar locations are shown on Map 1A.

TABLE 2

SUMMARY OF ACTIVITIES WHIT #1 GROUP

Activity	Unit	WHIT 1	WHIT 3	WHIT 5	Total WHIT #1 Group
Road construction	Metres	-	-	2000	2000
Percussion drilling	Holes	-	-	11	11
	Metres	-	-	682.58	682.58
Diamond drilling	Holes	-	1	-	1
	Metres	-	200.25		200.25
Percussion cutting geochemistry	Number of samples	-	208	-	208
Diamond Drill Core assay & geochem.	Number of samples	-	61	-	61

TABLE 3

SUMMARY OF ACTIVITIES WHIT #2 GROUP

Activity	Unit	WHIT 2	WHIT 4	WHIT 6	WHIT 7	WHIT 8	WHIT 9-16	WHIT 17Fr	Total WHIT #2 Group
Road construction	Metres	-	-	500	1000	-	-	-	1,500
Percussion drilling	Holes	-	-	1	4	-	-	-	5
	Metres	-	-	97.5	240.8	-	-	-	338.3
Diamond drilling	Holes	11	5	-	-	-	-	-	14
	Metres	2,236.45	1,042.26	-	-	-	-	-	3,278.71
Percussion cutting geochemistry	No. of samples	-	-	26	49	-	-	-	75
Diamond drill core assay & geochem.	No. of samples	792	239	-	-	-	-	-	1031

TABLE 4

SUMMARY OF DIAMOND DRILLING

Hole No.	Overburden (m)	Total Depth(m)	Lithology	Average Grade %MoS_2	%Cu
26	20.42	200.25	Granodiorite	.022	.256
27	6.40	172.97	Granodiorite	.022	.073
28	7.50	171.91	Quartz porphyry; Hornfels	.018	.017
29	3.05	339.55	Quartz porphyry	.032	.019
30	3.50	291.08	Monzonite; Quartz porphyry	.060	.041
31	3.05	197.20	Monzonite; Quartz porphyry	.016	.031
32	9.5	89.61	Quartz porphyry	.017	.028
33	34.50	103.94	Monzonite	.016	.156
34	4.5	325.22	Monzonite; Quartz porphyry	.015	.136
35	22.58	185.02	Quartz porphyry	.082	.021
36	9.0	271.28	Andesitic dykes	.031	.055
37	3.66	111.82	Breccia; Monzonite	.019	.190
38	9.50	251.16	Quartz porphyry	.056	.054
39	9.75	149.81	Quartz porphyry; Hornfels	.050	.031
40	25.3	325.52	Hornfels; Quartz porphyry	.064	.038
41	48.77	-	Abandoned		
42	25.60	-	Abandoned		
43	22.40	218.50	Granodiorite	.026	.267

(ii) Percussion Drilling

Percussion drilling was conducted in volcanic rocks marginal to a granodiorite stock to test an I.P. and soil geochemical anomaly. Drilling was carried out by Merritt Funk Brothers Drilling Company Ltd. Sixteen 5 cm drill holes totalling 1020.9 m were drilled in two weeks. A split from each continuous 3.03 m sample was geochemically analyzed for Cu, Mo, Pb, Zn, Au, Ag by Min-En Laboratories Ltd. of North Vancouver. Two grab samples were also taken from each 3.03 m run, one for mounting and microscope study, the other for storage as a spare.

All drill holes except PDH 26 intersected pyritic volcanic rock, whereas PDH 26 intersected a granodiorite plug or dyke. Molybdenum occurred in background concentrations (1-10 ppm) in all the holes and copper averaged less than 0.02% in all holes. PDH 32 has one 9 m section averaging 0.1% Zn and PDH 28 is anomalous in Au, averaging 60 ppb over 90 m. All other results were only background in value.

Drill chip logs and analytical results are compiled in Appendices D, E & F. Drill collar locations are shown on Map 1B.

3. ITEMIZED COST STATEMENT - WHIT #1 GROUP

Road Construction - Triple J Contracting, Ootsa Lake, B.C.	July 1 - July 21, 1981	
2 km @ $2,700/km		$5,400.00
Percussion Drilling - Merritt Funk Bros. Drilling Co. Ltd. Merritt, B.C.	July 17-August 3, 1981	
Drilling - 682.58 m @ $18.11/metre		12,361.52
Mob/demob		4,719.00
	Total	17,080.52
Diamond Drilling - Coates Enterprises Ltd. Vancouver, B.C.	July 4 - July 8, 1981	
200.25 metres		19,474.00
Assaying and geochemistry - Min-En Laboratories Ltd. Vancouver, B.C.		
61 drill core samples @ $20.50/sample Assay Cu, Mo; geochem Pb,Zn,Au,Ag,W		1,250.50
208 percussion samples @ $9.92/sample Geochem Cu, Mo, Au, Ag, Pb, Zn		2,063.36
	TOTAL	$45,268.38

ITEMIZED COST STATEMENT - WHIT #2 GROUP

Road Construction - Triple J Contracting, Ootsa Lake, B.C.	July 1 - July 21, 1981	
1 km @ $2,700/km		$2,700.00
Percussion Drilling - Merritt Funk Bros. Drilling Co. Ltd., Merritt, B.C.	July 17-August 3, 1981	
Drilling - 338.3 m @ $18.11/metre		6,126.62
Mob/demob		1,572.50
	Total	7,699.12
Diamond Drilling - Coates Enterprises Ltd. Vancouver, B.C.	July 9 - Oct 14, 1981	
3,278.71 metres		336,837.00
Assaying and Geochemistry - Min-En Laboratories Ltd. Vancouver, B.C.		
1031 drill core samples @ $20.50/sample Assay Cu, Mo; Geochem Pb,Zn,Au,Ag,W		21,135.50
75 percussion samples @ $9.92/sample Geochem Cu,Mo,Au,Ag,Pb,Zn		744.00
	TOTAL	$369,115.62

4. STATEMENT OF QUALIFICATIONS

I, Robert M. Cann, of the City of Vancouver, Province of British Columbia, hereby certify:

1. That I am a geologist residing at #3-313 Highland Way, Port Moody, British Columbia
2. That I am a graduate of the University of British Columbia with a B.Sc. degree in Geology in 1976, and a M.Sc. degree in Geology in 1979.
3. That I have practiced my profession for six field seasons.
4. That I personally supervised or carried out the work on the WHIT 1-17 claims.

Robert M. Cann
November 16, 1981

APPENDIX A

DIAMOND DRILL LOGS

ABBREVIATED GEOLOG LEGEND

Columns 2-4 - Zones and Horizons

SOX	Supergene oxide zone
SSX	Supergene sulphide zone
HYP	Hypogene zone
TRN	Transition zone
DYK	Intramineral or postmineral dyke
HFL	Hornfels
CAP	Leached cap
FRC	Fracture zone
WTH	Weathered zone
CN/	Contact
SH/	Shear zone
FLT	Fault zone
MSX	Massive sulphides

Columns 21-22 - type modified

- 2 letter code to modify main rock name; e.g. wc GRDR (Whiting Creek granodiorite).

Columns 24-27 - Rock type or name

Intrusive and Volcanic Rocks

APLT	Aplite	PPAN	Porphyritic Andesite
ANDS	Andesite	QFPP	Quartz feldspar porphyry
BASL	Basalt	QMPP	Quartz monzonite porphyry
FBPP	Feldspar Biotite porphyry	QZDR	Quartz diorite
FELS	Felsite	QZMZ	Quartz monzonite
FLPP	Feldspar porphyry	QZPP	Quartz porphyry
GRDR	Granodiorite	TCAN	Trachyandesite
HORN	Hornfels	TRAC	Trachyte
MONZ	Monzonite	VOLC	Volcanics
MZPP	Monzonite porphyry		

Volcaniclastic Rocks

TUFF	Tuff
TFXL	Crystal tuff
LPTF	Lapilli tuff

Miscellaneous

BRXX	Breccia	FAUL	Fault zone
VEIN	Major vein	UNKN	Unknown rock type
QZ/V	Quartz stockwork	OVER	Overburden
MSSX	Massive sulphides		
LOST	Lost Core	GOUG	Fault gouge

Columns 28-29, 30-31 (lower) - lightness, colour

Lightness

W	White
9	Palest
8	
7	
6	
5	Medium
4	
3	
2	
1	Darkest
N	Black

Colour

R	Red	W	White
U	Brown	A	Grey
O	Orange	N	Black
T	Tan		
L	Lime		
G	Green		
Q	Aqua		
B	Blue		
V	Violet		
P	Purple		
M	Mauve		

Columns 28-31 (upper) - typifying minerals in rock

See following page

Columns 35-38 - Textures

AP	Aplitic	NT	Net
BD	Bedded	PG	Pegmatitic
BR	Brecciated	PP	Porphyritic
BW	Boxwork	RB	Ribboned
CM	Chill margin	RC	Rip up clasts
CR	Crenulated, contorted	SH	Sheared
DB	Diabasic	SK	Stockwork
EQ	Equigranular	TC	Trachytic
FB	Flow banded	VG	Vuggy
GF	Graphic	VV	Veined
GR	Granular	CC	Microveined
HF	Hornfelsic		
IQ	Inequigranular		
MT	Mottled		

Columns 39-42 (upper) - Grain sizes (fine fraction, coarse fraction, percent coarse, maximum size)

See S scale on following page

Columns 39-42 (lower) - Degree of sorting, roundness, etc.

See bottom of following page.

Columns 49-50 - Structure type

V1	Pyrite vein	V6	Quartz vein	Jn	Joint
V2	Quartz-pyrite vein	V7	Chalcopyrite vein	Cn	Contact
V3	Mo vein	V8	Chalcopyrite-Mo vein	F/	Fault
V4	Gypsum vein	SH	Shear	D/	Dyke
V5	Quartz-moly ± pyrite vein	SF	Single fracture		

IGNEOUS, METAMORPHIC & CHEMICAL	PARTICLE DIAMETER RANGE	ASSGN VALUE	SYMBOL	THE S-SCALE FOR GRAIN OR PARTICLE SIZE <<FOR GENERAL WORK / FOR DETAIL WORK>>	SYMBOL	ASSGN VALUE	VOLCANI-CLASTICS
Glassy	mm	.003 mm	0	CLAY SIZE	A	mm .003	
	2^{-8}=.004						
Extremely fine grained (aphanitic)	2^{-7}	.008	1	V.FINE SILT	B	.006	fine
	2^{-6}=.016			FINE SILT	C	.011	
	2^{-5}	.03	2	MEDIUM SILT	D	.022	ash
	2^{-4}=.06			COARSE SILT	E	.044	
Fine grained	2^{-3}	.12	3	V.FINE SAND	F	.088	coarse
	2^{-2}=.25			FINE SAND	G	.177	
	2^{-1}	.5	4	MEDIUM SAND	H	.354	ash
	2^{0} = 1			COARSE SAND	I	.707	
Medium grained (granular)	2^{1}	2	5	GRIT	J	1.41	
	2^{2} = 4			GRANULE	K	2.83	
Coarse grained	2^{3}	8	6	V.SMALL PEBBLE	L	5.66	small lapilli
	2^{4} = 16			SMALL PEBBLE	M	11.3	
Very coarse grained	2^{5}	3.2 cm	7	MEDIUM PEBBLE	N	22.6	large lapilli
	2^{6} = 64			LARGE PEBBLE	Ø	45.3	
Pegmatitic	2^{7}	13 cm	8	SMALL COBBLE	P	90.5	cobble-size bombs &
	2^{8} =250			LARGE COBBLE	Q	181	blocks
Megapegmatitic	2^{9}	½m	9	SMALL BOULDER	R	362	boulder-size bombs &
	2^{10}= 1m			MEDIUM BOULDER	S	724	blocks
Extra-coarse megapegmatitic	2^{11}	2m	X	LARGE BOULDER	T	1450	extra large bombs &
				V.LARGE BOULDER	U	2900	blocks

39/ 40/ 42/

Sym bol	Assgn Value
.	.01
-	.03
(	.1
+	.3
)	1
+	2.5
=	5
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
X	100

% Coarse Fraction

41/

This %-scale, used for the Per Cent CF, is the G - Scale

NOTE: 1. It is quite permissible to intermix the alphabetic symbols with the numeric symbols of this S-Scale, whenever detail work demands it — no conflict ensues by doing so.

2. Use the S-Scale for Fine Fraction (FF), Coarse Fraction (CF) and Max Particle (MxP) in F(39,40,&42)/

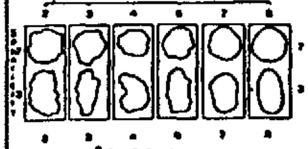
3. For Seriate Texture, in which the Grain Size varies gradually or continuously, enter significant Fine Particle size in FF, in F(39)/ and the large end of the range in MxP, in F(42)/

DEGREE OF SORTING 39L

1 extremely poorly sorted
2 very poorly sorted
3 poorly sorted
4 moderately poorly sorted
5 moderately sorted
6 moderately well sorted
7 well sorted
8 very well sorted
9 extremely well

DEGREE OF ROUNDNESS 40L

1 extremely angular
2 very angular
3 angular
4 moderately angular
5 intermediate
6 moderately rounded
7 rounded
8 very rounded
9 extremely rounded



SHAPE (alpha) or SPHERICITY (1-9)

41L

OPEN (Ø) or CLOSED (C) STRUCTURE or EQUI-(E) or INEQUI-(I) GRANULAR

Ø=open/disrupted =majority of larger particles not touching one another
C=closed/intact majority of particles or fragments touching

42L

For Open or Closed Structure (Matrix-supported or Framework-supported), enter Ø or C in F(42)L

For Degree of Sorting (SR) and Degree of Roundness (RN), enter 1 to 9 in F(39,40)L

For Shape, enter C,F,M,L,P,B OR E (see triangular diagram) or, for Sphericity, 1 to 9 in F(41)L.

TYPE MODIFIER	% OF MIX
A Type Modifier is is less formal than a Rock Unit name or Member name A Type Modifier consists of any two characters, including blank, Examples are: R as in R GRAN R- R- DIØR R+ R+ SAND RM RM GRAN - where R may stand for Red to distinguish it from the Bald Mountain granite	Sym bol / As'gn Value . .01 - .03 (.1 + .3) 1 + 2.5 = 5 1 10 2 20 3 30 4 40 5 50 6 60 7 70 8 80 9 90 X 100 For each principal rock type interval (PCI), leave this blank. For repeat intervals give this of all 2ndary rock types
21.0	

21.1

21 22 23

ROCK UNIT NAME or AGE

Formation name	xx+	(or xxx)
Member name	xx=	(or xxx)
Submember name	xx-	(or xxx)

Though not essential, it is recommended that a formation name consist of two letters followed by a+ sign, but could be three letters; that a member name consist of 2 letters followed by an = sign, but could be 3 letters; and that a submember name consist of 2 letters followed by a - sign, but could consist of 3 letters or 2 and a number.

The age of a formation or member can be given using standard one, two and/or three-letter codes, such as KU for Upper Cretaceous; JL for Lower Jurassic, etc., left-justified in F(21-23)L

FRACTURES AND JOINTS

THE F SCALE

Range Values	As'gn Value	Sym bol	Descriptive
	0	0	unfractured
0 - 2	1	1	extra low intens
>2 - 4	3	2	v.low intensity
>4 8	6	3	low intensity
>8 12	10	4	mod.low intensity
12 18	15	5	moderate
18 24	21	6	f.high intensity
24 32	28	7	high intensity
32 40	36	8	very intense
40 50	45	9	extremely intense
>50	55	X	shattered

This F-scale provides a means of expressing both fracture intensity and a fracture count per metre of DH/traverse

DEFINITIONS: (1) A rock body more or less uniformely cut by 1 set of fractures (joints), on the average 1 metre apart, is said to have a fracture density of 1 (FD=1). (2) A fracture set is a family of parallel or sub-parallel fractures.

LEMMAS: (1) When one fracture set cutting a body is rotated in various directions, the fracture density, on the average, remains unchanged. (2) The fracture density in a rock body cut by several fracture sets is the sum of the partial fracture densities attributable to each set.

AC	actinolite	
AD	adularia	
AB	albite	
AM	almandite	
AL	alunite	
AX	amphiboles,gen	
AA	andalusite	
AG	anglesite	68Pb
AH	anhydrite	
AN	anorthite	
AP	apatite	
AR	aragonite	
AS	arsenopyrite	45As
AØ	asbestos	
AU	augite	
AT	axinite	
AZ	azurite (see M*)	58Cu
AE	aegerine	
BA	barite	
BE	beryl	
BI	biotite	
B*	biotite : hornblende	
	min.comb'n,undif	
BI	biotite alone	
B>	BI>HB	
B=	BI=HB	
B<	BI<HB	
HB	hornblende alone	
BS	bismuthinite	70Bi
BØ	bornite	63Cu
BR	brochantite	56Cu
CA	calcite (see D*)	
CB	carbonates,gen	
CT	cassiterite	79Sn
CE	cerussite	77Pb
CH	chalcanthite	25Cu
CC	chalcocite,gen	80Cu
C$	" on ec.min	
C.	" on gangue	
CP	chalcopyrite	35Cu
CL	chlorite	
CD	chloritoid	
CR	chromite	46Cr
CK	chrysocolla	36Cu
ØL	chrysolite(olivine)	
CS	chrysotile	
CN	cinnabar	86Hg
CY	clay	
C*	clay : muscovite	
	min.comb'n,undif	
CY	clay alone	
C>	CY>MU	
C=	CY=MU	
C<	CY<MU	
MU	muscovite alone	
CX	clinopyroxene,gen	

CZ	clinozoisite	
CF	coffinite	
CU	copper,native	Cu
CØ	cordierite	
CV	covellite	66Cu
CI	cuprite	89Cu
DC	dickite	
DG	digenite	
DI	diopside	
DØ	dolomite	
D*	dolomite : calcite	
	min.comb'n,undif	
DØ	dolomite alone	
D>	DØ>CA	
D=	DØ=CA	
D<	DØ<CA	
CA	calcite alone	
EN	enargite	
ES	enstatite	
EP	epidote	
ER	erythrite	30Co
FØ	forsterite	
FA	fayalite	
FT	famatinite	
FX	feldspars,gen	
FD	feldspathoids,gen	
FR	ferberite	W
FM	ferrimolybdite	40Mo
FL	fluorite	49F
GL	galena	86Pb
G*	galena : sphalerite	
	min.comb'n,undif	
GL	galena alone	
G>	GL>SL	
G=	GL=SL	
G<	GL<SL	
SL	sphalerite alone	
GA	garnet	
GS	glass,gen	
GN	glauconite	
GC	glaucophane	
GØ	goethite	
GD	gold	Au
GR	graphite	C
GR	greenockite	78Cd
G$	greisen,gen	
GY	gypsum	
HA	halite	
HV	helvite	
HE	hematite,earthy	70Fe
HS	hematite,specularite	

H*	hematite : magnetite	
	min.comb'n,undif	
HE	hematite alone	
H>	HE>MG	
H=	HE=MG	
H<	HE<MG	
MG	magnetite alone	
HB	hornblende (see B*)	
HU	huebnerite	51W
HM	hydromica (IL)	
HY	hypersthene	
IL	illite (HM)	
IM	ilmenite	32Ti
JD	jadeite	
JA	jarosite	
JØ	jordisite	60Mo
KA	kaolin	
KY	kyanite	
KF	K-spar,orthoclase	
K*	K-spar : plagioclase	
	min.comb'n,undif	
KF	K-spar alone	
K>	KF>PF	
K=	KF=PF	
K<	KF<PF	
PF	plagioclase alone	
LM	laumontite	
LW	lawsonite	
LU	leucite	
LE	leucoxene	
LI	limonite	
MF	mafics,gen	
MA	magnesite	48MgO
MG	magnetite(seeH*)	72Fe
MC	malachite	58Cu
M*	malachite : azurite	
	min.comb'n,undif	
MC	malachite alone	
M>	MC>AZ	
M=	MC=AZ	
M<	MC<AZ	
AZ	azurite alone	
MN	manganite	68Mn
MT	marcasite	
MR	mariposite	
ML	melnikovite	
MI	micas,gen	
MØ	molybdenite	60Mo
MZ	monazite	
MM	montmorillonite	
MU	muscovite (see C*)	
MS	sericite	

NF	nepheline	
NI	niccolite	44Ni
ØL	olivine(chrysolite)	
ØP	opal	
ØQ	opaques,gen	
ØX	oxides,gen	
ØR	orthopyroxene,gen	
PH	phlogopite	
PF	plagioclase (see K*)	
PT	platinum	Pt
PØ	powellite	58Mo,W
PS	psilomelane	Mn
PY	pyrite	47Fe
PL	pyrolusite	
PX	pyroxene,gen	
PP	pyrophyllite	
PR	pyrrhotite	60Fe
PN	pentlandite	
QZ	quartz,gen	
QA	quartz,agate	
QC	quartz-carbonate	
QH	quartz,chert	
QM	quartz,amethyst	
QX	quartz,crystals	
QS	quartz-sericite	
QT	quartz-tourmaline	
QR	quartz,rutilated	
QV	quartz vein,massive	
RC	rhodochrosite	Mn
RN	rhodonite	Mn
RU	rutile	60Ti
SA	sanidine	
SC	scapolite	
SZ	scorzalite	
SF	sericite-fluorite assemblage	
SH	scheelite	64W
MS	sericite (MU)	
SE	serpentine	
SD	siderite	48Fe
SI	sillimanite	
SV	silver	
SS	silver & sulphosalts	
SØ	sodalite	
SL	sphalerite (see G*)	67Zn
SP	sphene	
ST	staurolite	
SB	stibnite	72Sb
SU	sulphates,gen	
SX	sulphides,gen	
SR	sperrylite	

TA	talc	
TL	tellurides,gen	Te
TN	tennantite	50CU56Sb+As
TE	tenorite	80Cu
TT	tetrahedrite	Cu+Sb
TX	TT,TN undif	
TZ	topaz	
TØ	tourmaline	
TR	tremolite	
UR	uraninite(pitchblende)	92U?
UX	uranium minerals,gen	
VA	vanadinite	73Pb,11V
VE	vesuvianite	
WD	wad	Mn + other
WØ	wollastonite	
WF	wolframite	62W
WN	wulfenite	56Pb+26Mo
ZE	zeolites,gen	
ZI	zircon	
ZØ	zoisite	
XX	any mineral	
YY	" "	
ZZ	" "	
XY	" "	
X1	) minerals identi-	
X2	) fied elsewhere	
Y1	) or later	

A D D E N D U M :

RECAP SUMMARY OF SOME IMPORTANT G E N E R A L M I N E R A L S

AX	amphiboles	TL	tellurides
CB	carbonates	TX	TT,TN undif
CC	chalcocite	UX	uranium min's
CX	clinopyroxene	ZE	zeolites
FX	feldspars		
FD	feldspathoids		
GL	glass		
G$	greisen		
LI	limonite		
MF	mafics		
ØQ	opaques		
ØX	oxides		
PF	plagioclase		
PX	pyroxenes		
QZ	quartz		
SF	sericite-fluorite assemblage		
SS	silver & sulphosalts		
SU	sulphates		
SX	sulphides		

R E C A P S U M M A R Y O F MINERAL COMBINATIONS

B* biotite : hornblende

C* clay : muscovite

D* dolomite : calcite

G* galena : sphalerite

H* hematite : magnetite

K* K-spar : plagioclase

M* malachite : azurite

S P E C I A L N O T E Any two-letter Mineral Code followed immediately by a G-Scale estimated percentage presence of that mineral becomes a three-character QALMAT (QM1 or QM2) in fields F(32-34)/L or a simple abbreviation for use in Remarks.

**min.comb'n,undif=mineral combination,undifferentiated. For instance,use B* where proportion of BI & HB cannot be given.

Columns 57-76 - Alteration and mineralization

Odd numbered columns are how mineral occurs - see H-Scale below.

Even numbered columns are abundance of mineral - see G-Scale below for diamond drill logs and Q-Scale for percussion drill logs.

Column 80 (lower)

Number of quartz veins per metre in each logging interval.

H - SCALE
MODE OF OCCURRENCE OR 'HOW'

	Symbol	Description
	0	Fresh, primary rock (Z) *(Z for Zero)*
	1	Amygdaloids (A), minor Macroveins (>) and/or scattered Crystals (D)
DEGREE	2	Macroveins (>) and Veins (V)
OF	3	Veins (V) and Dalmationite (Y) {Spøts (Ø) or Patches (Q) *(as in Quilts)*
PERVAS-	4	Veins (V), and/or occasional Envelopes (E)
IVE-	5	Veins (V), and/or abundant Envelopes (E)
NESS	6	Pervasive (P) or Disseminations (D) *LESS THAN* Veins (V), Microveins (<) Selvages (S), Envelopes (E)
INCREAS-	7	" " *EQUAL TO* " "
ING	8	" " *GREATER THAN* " "
	9	Pervasive (P) or Disseminations (D), Veins (V), Microveins (<), Selvages (S) & Envelopes (E) with much Breccia filling (#), StocKworK (K) and/or $heeting ($)
	X	Massive (M) and/or Laminated/Bedded (L)

G - SCALE
FOR PERCENTAGE ESTIMATES

Assgn Value	Scale Value	Description and Range	Q - SCALE	
0	0	Absent	- 0	Absent
.01	.	Trace = <.02		
.03	-	.02 to <.05		
.1	(	.05 to <.2		
.3	•	.2 to <.5		
1	)	.5 to < 2		
2.5	+	2 to < 3		
5	=	3 to < 7		
10	1	7 to <15	- T	Trace
20	2	15 to <25	- L	Low
30	3	25 to <35	- F	Fair
40	4	35 to <45	- B	Below M
50	5	45 to <55	- M	Medium
60	6	55 to <65	- A	Above M
70	7	65 to <75	- H	High
80	8	75 to <85	- V	Very H
90	9	85 to ≤100	- E	Extreme
100	X	100%	- X	100%
.07	/	Present: Est. impossible		
0	?	Possibly present		

Symbol	Description	Symbol	Description
A	Amygdaloids, cavity fillings	N	Nodules
B	Blebs	Ø	spØts
#	breccia fillings	P	Pervasive
C	Coatings & encrustations	Q	patches, as in Quilts
*	clasts	R	Rosettes & x'l clusters
D	Disseminations & scat. x'ls	S	Selvages
E	Envelopes	$	$heeting
F	Framework crystals	T	sTainings, as in Tarnish
G	Gouge	U	eU-hedral crystals
H	Halos	V	Veins
I	eyes, augen	>	macroveins
J	interstitial	<	microveins, frac fillings
K	stocKworK	W	boxWork
L	Laminations/bedded	X	Massive and/or laminated/bedded
M	Massive	Y	dalmationite
		Z	fresh, primary rock

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEV. CORP
WHITING CK PORPHYRY MO-CU DEPOSIT BC

FORMAT VERSION : 6802

R. Carr

```
DRILLHOLE/TRAVERSE : WCDH026     COLLAR ELEVATION:     1227.00       AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  200.25     NORTHING(- IF S):     1740.00       VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810800
CORE/HOLE DIAMETER :      NQ     EASTING (- IF W):     2060.00       CO-ORD SYSTEM  :    MAP         PROJECT NUMBER : 4942

                                   SEQ. NO OF      LENGTH FROM COLLAR     AZIMUTH    VERT. ANGLE
                                   SURVEY DATA      TO SURVEY POINT       ( DEG )      ( DEG )

                                        1               200.25              0.00        -89.00

R HED                             WCD026 LOCATED  2.8M FROM WCPH019. DRILLING COMMENCED JULY 4;

R HED                             COMPLETED ON JULY 8.

R HED                             ALL DIPS MEASURED FROM PERPENDICULAR TO AXIS OF CORE

   F    - I N T E R V A L -     CORE  T- %        TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O - I N T ( . )   D X TYPE  1  2 OM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK   FM     RT    TM OM2 TX TX S R S O S        T ID STK DIP KF MU CL FP HE XX PR MO SL
E  L                          QUAL   AGE EN- Q LC- 3      3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                          DESIG      VIR   COL             R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/        0.00   20.42  20.42   00        OVER                          P
L
R        0.00   20.42        CASING TO 21.3 M

/ CAP   20.42   21.00   0.58   52        GRDR BI HB     EQ      5           P                 O*        D(       8-     LI 7F
L                              12             8A                                                 O(                       C.     00
R       20.42   21.00        CP OCCURS AS BLEBS IN SPOTS OF BI

/ CAP   21.00   24.00   3.00  275        GRDR BI HB     EQ      5           P    V1       32 <( O*        D(    6) 6*     LI 7B
L                             163             8A                                 V1       75 E* 9* O(                     C.     00
R       21.00   27.00        K-SPAR ENVELOPES WITH CP <'S, AND PY V'S

/ TRN   24.00   27.00   3.00  276        GRDR BI HB     EQ      5           P    V7       90 <( O*        D(    6) 6*     CV 7B
L                             160                                                V1       10                       <.     C.     01
R       24.00   27.00        CV LOCALLY COATING CP. LI STILL PRESENT

/ SUS   27.00   30.00   3.00  290        GRDR BI HB     EQ      5           P    V5       90 <* O*     G* D(    V) 6*     CI 7M
L                             123                                                SH       90       G. <.           G(     C-     01
R       27.00   30.00        BLEB NATIVE CU AT 28.68M, 36.91, AND  28.26M

/ SUS   30.00   33.00   3.00  280        GRDR BI HB     EQ      5           P    V7       62 <( O* G.     D(    6* 6*     LI 7M
L                             194                                                            00 E*                 <-     B.     01

/ SUS   33.00   36.00   3.00  295        GRDR BI HB     EQ      5           P    V5       53 V( O) G(     D*    6* 6*        7M
L                             167             7A                                 V3       06 E*       V-           <-            01
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       35.11   35.11      PROMINENT QZ-CP-EP >, WITH MO-SELVAGE

/ SUS   36.00   39.00   3.00  276        GRDR BI HB     EQ      5          P    V7      80 V( O) G(    D*    6* 6*    CV 7M
L                              97                                                          E)                         C-    02

/ FLT   36.90   37.20   0.30         X FAUL                                R    SH      90       G1 G1          6)
L                                             8A

/ TRN   39.00   42.00   3.00  300        GRDR BI HB     EQ      5          P    V5      90 V* O)       D*    6( 6*       7F
L                             178             7A                                SH      45 E(    S( V(          <-          01

/ TRN   42.00   45.00   3.00  299        GRDR BI HB     EQ      5          P    V5      35 V* O)       D*    6( 6*    CI 7B
L                             196             7A                                V7      85 E)    S( V(          <-    O.    01

/       45.00   48.00   3.00  285        GRDR BI HB     EQ      5          P    V1      10 V* O)       D*    6( 6*    CI 7B
L                             173             7A                                V5      75 E*    S( V.          <-    O.    01

/       48.00   51.00   3.00  280        GRDR BI HB     EQ      5          P    V7      67 V* O)       D*    6* 6*       7H
L                             047             7A                                SH      45 E)    S( V(          <-          01

/       51.00   54.00   3.00  295        GRDR BI HB     EQ      5          P    V5      85 V* O)    <( D+    6* 6*       7B
L                             064             7A                                      '  E)    S* <(          <-          01

/       54.00   57.00   3.00  257        GRDR BI HB     EQ      5          P    V5      75 V* O)    <( D+    6* 6*       7B
L                             076             7A                                         E)    Q) <(          <-          02

/ FLT   57.00   60.00   3.00  114        FAUL                              P    SS      75 V(    G1 G1       6*          1M
L                             000                                               SS      80 P!          C)       C(          01

/       60.00   63.00   3.00  296        GRDR BI HB     EQ      5          P    V2      65 V* O) P1 G*          <* <*       3M
L                             036             7A                                SH      85 E)                   <-          01
R       60.00   63.00      WAXY PALE GREEN MM AFTER FL(?), PROBABLY RELATED TO FLT

/       63.00   66.00   3.00  281        GRDR BI HB     EQ      5          P    SH      85 V( O) P1 G*          7( 6*       3M
L                             145             5G                                           E*                   <-          01

/       66.00   69.00   3.00  298        GRDR BI HB     EQ      5          P    V1      75 V( O) P1 <) D*       <* <*       7B
L                             008                                               V1      90 E*                               00

/       69.00   72.00   3.00  276        GRDR HI HB     EQ      5          P    V2      50 V* O) P1 G*          <* <*       7B
L                              68                                               V1      20          V-                      02
R       69.00   72.00      QZ-PY-EP V'S HAVE STRONG K-SPAR ENVELOPES

/       72.00   75.00   3.00  296        GRDR BI        EQ      5          P    V5      25 V* Q*       D(    <( <*       7L
L                             177             7A                                           E*    S)             <(          02
R       72.00   75.00      CL-PY-EP V CUT BY QZ-MO V.

/       75.00   78.00   3.00  286        GRDR BI        EQ      5          P    V8      80 V* Q*       D(    <( <*       7L
L                              98                                               V5      30 00                               01

/       78.00   81.00   3.00  300        GRDR BI        EQ      5          P    V5      18 V* Q*       D(    6* <)       7L
L                              55                                                          E+    V* V(          <-          02
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```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R STN   78.00   81.00      2MM CL VEINLET (PROBABLY ORIGINALLY BI) WITH 15MM K-SPAR ALT E.

/       81.00   84.00   3.00  284        GRDR BI        EQ      5           P    V1      70 V- Q*       D(    6) 6)       7L
L                              17                                                V5      60 E+    V) V(          <*          00

/       84.00   87.00   3.00  293        GRDR BI        EQ      5           P    V3      27 00 Q*       D(    6) 6)       7L
L                             104                                                V7      47 E(    V+             <(          00

/       87.00   90.00   3.00  260        GRDR BI        EQ      5           P    V7      87 V( Q*       D(    6) 6)       7F
L                              17                                                V2      35 E+    V)             <(          01

/       90.00   93.00   3.00  297        GRDR BI HB             5           P    V5      52 V(          D)    6* <*       7M
L                             170             7A                                 V8      35 E)    <)             <-          01

/       93.00   96.00   3.00  300        GRDR BI HB             5           P    V5      24 V)          D)    6) <*       7M
L                             144             7A                                 V7      68 E+    <)             <-          02
R       93.00   96.00      K-SPAR E'S STRONGEST ON QZ-CP-EP V'S, BUT ALSO PRESENT WITH QZ-
R       93.00   96.00      MO V'S

/       96.00   99.00   3.00  297        GRDR BI HB             5           P    V7      90 <)          D)    V) V)       7M
L                              93                                                V3      90 E=       V.          <(          0

/       99.00  102.00   3.00  270        GRDR BI HB             5           P    V5      55 V(          D)    6* <*       7M
L                             140                                                                                             01

/      102.00  105.00   3.00  298        GRDR BI HB             5           P    V1      37 <*          D)    6* <)       7B
L                             014                                                V7      85 E)    <- V-          <-          01

/      105.00  108.00   3.00  281        GRDR BI HB             5           P    V3      62 <(          D)    6) <)       7B
L                              30                                                V3      30 E)                   <-          01

/      108.00  111.00   3.00  294        GRDR BI HB             5           P    V2      80 V) O)       D)    >+ <)       7B 5F
L                              26                                                V7      50 E+ E+       V-          <-          02

/      111.00  114.00   3.00  300        GRDR BI HB             5           P    V8      75 <- O)       <*    6* V)       7F
L                              28             7A                                 V8      90 E+       <( <*       <-          00

/      114.00  117.00   3.00  298        GRDR BI HB             5           P    V2      87 >+ 00       7)    6* 6)       7F
L                              55             7A                                 V8      90 E)    V) <( <*       <.          00
R      115.50  115.50      23MM WIDE QZ-CP QZ-CP-HE-EP-MO > WITH 5MM K-SPAR E; DIP 87 DEG

/      117.00  120.00   3.00  273        GRDR BI HB             5           P    V7      90 <* 0) P*    <*    6* 6)       7A
L                              62                                                V7      75 E=                   <.          01

/      120.00  123.00   3.00  300        GRDR BI HB             5           P    V7      90 00 0) Q+ <. <* <* 6* V)       7F 3L
L                             176                                                V7      63 E+       <( 00                   00
R      120.00  123.00      FIRST OCCURRENCE OF GY DOWN HOLE.

/      123.00  126.00   3.00  286        GRDR BI HB             5           P    SH      80 V* 0) G= G= <* <* 6( V(       7F 3L
L                              92                                                           E)          00       G-          01
R      125.70  125.70      SIGINIFICANT FAULT DIPPING APPROX. 80 DEGS NOTICEABLE CY ALT.
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                                          SASKATCHEWAN MINING DEV. CORP
G E O L O G                              WHITTING CK PORPHYRY MO-CU DEPOSIT BC                                    PAGE -  4
                                     DRILLHOLE/TRAVERSE ---  WCDH026 --- (CONTINUED)

K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S D SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      125.70  125.70      ZONE WITHIN 6M OF FAULT

/      126.00  129.00   3.00  278        GRDR BI HB             5           P    V4       70 <( 0) G)    <* <+ 6) 6(       7F
L                             172                                                V4       80 E+    V*              <.           01

/      129.00  132.00   3.00  299        GRDR BI HB     EQ          5         P    V5       45 V*    G) A( D) V+ 6( <*       7F
L                             138             6A                                 V4       75 E+                    <.           01

/      132.00  135.00   3.00  298        GRDR BI HB     EQ          5         P    V7       90 <( O) 00 <. D) V) 6* 7)       7F
L                             188             6A                                 V4       40 E+          <-        <.           01
R      132.40  132.40      GY V WITH CRYSTALS OF MO

/      135.00  138.00   3.00  292        GRDR BI HB     PP    5 6 2 6       P    V4       39 V* O)             V) 6* V*       7F
L                             207             6A                                 V7       80 E)          O* <-     <.           01

/      138.00  141.00   3.00  300        GRDR BI HB     PP    5 6 2 6       P    V2       60 V* O)             V) 6* 6(       7F
L                             249             6A                                 V7       80 E+          O* <-     <.           01

/      141.00  144.00   3.00  300        GRDR BI HB     PP    5 6 2 6       P    V5       40 V( O)             V) 6* 7*       7F
L                             300             6A                                 V4       20 E)          O* <-     <.           00

/      144.00  147.00   3.00  300        GRDR BI HB     PP    5 6 2 6       P    V7       60 V* O)             V) 6* 7*       7F
L                             262             6A                                 V7       80 E)          O- <-     00           01
R      144.30  144.30      GY V CUTTING CP <.

/      147.00  150.00   3.00  300        GRDR BI HB     PP    5 6 2 6       P    V7       55 V- O)             V) 6* 7*       7F
L                             250                                                            E)          O-        <.           00

/      150.00  153.00   3.00  282        GRDR BI HB           5 6 1 6       P    V4       70 V( O)          D* V) 6* 7)       7F
L                             144             7A                                             E)                    <.           00

/ FLT  150.27  152.02   1.75           X FAUL                               R    SH       90             G=    G=
L                                                                                SH       75

/      153.00  156.00   3.00  300        GRDR BI HB           5 6 1 6       P    V7       90 V( O)          D* V) 6* 7)       7F
L                             244             7A                                 V4       10 E)                    S-           01
R      154.53  154.53      QZ V WITH MO ALONG SELVAGE. CENTRE OF QZ V PARTLY FILLED WITH GY

/      156.00  159.00   3.00  290        GRDR                                P    V7       50 <*    P. D.    <- D- 3(       7F
L                             270             7A                                 V4       17 E( P- <( Q-          D.           01
R      156.00  159.00      CP APPEARS IN DISSEMINATIONS AND STEEPLY DIPPING MICROVEINS
R      156.00  159.00      GYPSUM < CUT PY-CO-MO < .

/      159.00  162.00   3.00  300        GRDR                                P    V5       75 <*    P. D.    <( D- 3(       7F
L                             160             7A                                                                            01
R      159.00  162.00      1 TO 5 MM K-FELDSPAR ENVELOPES AROUND QZ-PY MICROVEINS WITH MIN-
R      159.00  162.00      OR DISS. CP AND MO WITH ABUNDANT EP-QUILTS
R      161.30  161.35      TRACE OF MO IN GY MICROVEIN

/      162.00  165.00   3.00  290        GRDR                                P    V8       55 <(    P. D.    <- D. D(       7F
L                             170             7A                                          00       D.       <.           01
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      165.00  168.00   3.00  280        GRDR                               P   V7      75 <*    P. D.    <. D- D.       7F
L                             205             7A                                                                             01
R      167.50  168.00      QZ-MO MICROVEIN CUTS QZ-CP MICROVEIN

/      168.00  171.00   3.00  290        GRDR                               P   V4      25 <*    P. D.    <- D- 3(       7M
L                             170             7A                                V5      75                   D(             01

/      171.00  174.00   3.00  293        GRDR                               P   V4      45 <*    P. D.    <- <. <*       7M
L                             162             8A                                                             S.             02
R      171.00  174.00      CP DISSEMINATIONS ENCRUSTED BY EP QUILTS
R      171.50  171.52      QZ VEIN, WITH  MO SELVAGES, CUTTING CP MICROVEIN

/      174.00  177.00   3.00  280        GRDR BI HB     EQ                  P   V8      70 4*    P.       <( D. D(       7A
L                             177             7A                                V4      15 E(    Q* Q( D.       <.             03

/      177.00  180.00   3.00  293        GRDR BI HB     EQ                  P   V7      65 4(    P.       <( D. D(       7A
L                             146             7A                                V4      15 E(    Q* Q( 00       <.             02

/      180.00  183.00   3.00  290        GRDR BI HB     EQ                  P   V4      45 4*    P.       <* D. D(       7H
L                             140             8A                                V4      15 E)    Q* Q( <*       <.             01
R      182.30  183.10      STRONG POTASSIC ALTERATION WITH HEMATITE VEINING, ALSO WITH QZ-
R      182.30  183.10      CP-EP VEINS

/      183.00  186.00   3.00  283        GRDR BI HB     EQ                  P   V7      80 5=    P.       <) D. V=       7H
L                             218             7A                                V5      35 E*    P( Q* S)       00             0

/      186.00  189.00   3.00  270        GRDR BI HB     EQ                  P   V4      10 V(    P=       <( D. 3+       7A
L                             217             7A                                V7      48             D*       S.             02
R      186.00  189.00      TRACE OF MO XLS. IN GYPSUM  MICROVEIN

/ CNT  189.00  192.00   3.00  296        GRDR BI HB     EQ                  P   V7      48 4*    P.       <( 3) <*       7M
L                             228             7A                                                                             01
R      190.80  192.00      CP SELVAGES IN BY MICROVEIN. CU AND MO MINERLIZATION AS WELL AS
R      190.80  192.00      KF-CL ALTER. ENVELOPES ARE SIMILAR TO THAT OF GRDR

/ DYK  190.81  192.00   1.19                 4 PPFL PF HB     PP                  R   DT      45                         <*       7B
L                                             5A                                V5      80       31       <)    <.             00
R      190.81  190.81      CONTACT BETWEEN GRDR AND HB-PF DYKE AT 190.81 M

/      192.00  195.00   3.00  286        PPFL                               P   CB      30 <(    P-       <* D. V)       7M
L                             100             5A                                           E*    31 D. <)    S.             1

/ CNT  194.70  195.00   0.30           1 GRDR                               R                          D.
L                                             7A                                                                             0
R      194.70  194.70      LOWER CONTACT OF DYKE AT 194.70 M

/      195.00  198.00   3.00  300        GRDR                               P   V8      45 <(    P-       <* D. <)       7A
L                             154             7A                                           E)    31             <.             1
R      195.00  200.25      MOST BI AND HB ARE CHLORITIZED. CP-HE MICROVEINS ARE COMMON

/      198.00  200.25   2.25  215        GRDR                               P   V4      55 <(    P-       <* D. V)       7A
L                             114             7A                                                 Q=             D.             1
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DRILLHOLE/TRAVERSE --- WCDH026 --- (CONTINUED)

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K  F   F R O M - T O -  I N T RECOV  MD X ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML        2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R      198.00  200.25      DDH 26 ENDED AT 200.25 M
R      198.00  200.25      TRACE OF MG-CP IN GYPSUM MICROVEIN
```

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A 012	20.42	21.00	5021	.169	.013	.182
A 012	21.00	24.00	5022	.172	.007	.179
A 012	24.00	27.00	5023	.249	.207	.256
A 012	27.00	30.00	5024	.210	.042	.252
A 012	30.00	33.00	5025	.160	.013	.173
A 012	33.00	36.00	5026	.144	.030	.174
A 012	36.00	39.00	5027	.440	.023	.463
A 012	39.00	42.00	5028	.226	.007	.233
A 012	42.00	45.00	5029	.359	.023	.382
A 012	45.00	48.00	5030	.261	.015	.276
A 012	48.00	51.00	5031	.370	.017	.387
A 012	51.00	54.00	5032	.120	.025	.145
A 012	54.00	57.00	5033	.363	.015	.378
A 012	57.00	60.00	5034	.342	.027	.369
A 012	60.00	63.00	5032	.269	.032	.301
A 012	63.00	66.00	5036	.194	.010	.204
A 012	66.00	69.00	5037	.250	.015	.265
A 012	69.00	72.00	5038	.216	.020	.236
A 012	72.00	75.00	5039	.159	.022	.181
A 012	75.00	78.00	5040	.239	.027	.066
A 012	78.00	81.00	5041	.265	.012	.277
A 012	81.00	84.00	5042	.210	.030	.240
A 012	84.00	87.00	5043	.194	.012	.206
A 012	87.00	90.00	5044	.279	.010	.289
A 012	90.00	93.00	5045	.128	.015	.143
A 012	93.00	96.00	5046	.109	.013	.122
A 012	96.00	99.00	5047	.582	.045	.627
A 012	99.00	102.00	5048	.300	.025	.325
A 012	102.00	105.00	5049	.398	.010	.408
A 012	105.00	108.00	5050	.280	.013	.293
A 012	108.00	111.00	5051	.256	.017	.273
A 012	111.00	114.00	5052	.624	.010	.634
A 012	114.00	117.00	5053	.419	.025	.444
A 012	117.00	120.00	5054	.248	.008	.256
A 012	120.00	123.00	5055	.303	.008	.311
A 012	123.00	126.00	5056	.262	.028	.290
A 012	126.00	129.00	5057	.360	.020	.380
A 012	129.00	132.00	5058	.278	.017	.295
A 012	132.00	135.00	5059	.342	.012	.354
A 012	135.00	138.00	5060	.229	.025	.254
A 012	138.00	141.00	5061	.158	.013	.171
A 012	141.00	144.00	5062	.257	.005	.262
A 012	144.00	147.00	5063	.256	.003	.259
A 012	147.00	150.00	5064	.470	.027	.503
A 012	150.00	153.00	5065	.282	.025	.307
A 012	153.00	156.00	5066	.167	.020	.187
A 012	156.00	159.00	5067	.279	.037	.316
A 012	159.00	162.00	5068	.189	.045	.234
A 012	162.00	165.00	5069	.218	.038	.256
A 012	165.00	168.00	5070	.212	.042	.254

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A 012	168.00	171.00	5071	.247	.042	.289
A 012	171.00	174.00	5072	.268	.037	.305
A 012	174.00	177.00	5073	.252	.017	.269
A 012	177.00	180.00	5074	.189	.008	.197
A 012	180.00	183.00	5075	.263	.050	.313
A 012	183.00	186.00	5076	.332	.043	.375
A 012	186.00	189.00	5077	.213	.023	.236
A 012	189.00	192.00	5078	.190	.027	.217
A 012	192.00	195.00	5079	.123	.025	.148
A 012	195.00	198.00	5080	.170	.020	.190
A 012	198.00	200.25	5081	.142	.018	.160
R ASY	20.42	200.25	AVE. CU= 0.256%			
R ASY	20.42	200.25	AVE. MOS2= 0.022%			

			PPM AG	PPB AU	PPM W	PPM PB	PPM ZN
A UMM			PPM AG	PPB AU	PPM W	PPM PB	PPM ZN
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN
A MTH			PCL-AA	AQR-AA	COLOR	PCL-AA	PCL-AA
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	COMPOS
R ASY	198.00	200.25	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN				
A COM	20.42	33.00	1.0	5	8	16	38
A COM	33.00	48.00	1.6	10	3	13	34
A COM	48.00	63.00	1.9	5	16	20	46
A COM	63.00	73.00	1.2	10	12	12	34
A COM	78.00	84.00	1.0	5	10	10	28
A COM	84.00	99.00	1.2	5	6	8	40
A COM	99.00	114.00	1.6	5	8	9	35
A COM	114.00	129.00	1.6	5	15	8	37
A COM	129.00	144.00	1.2	10	5	8	38
A COM	144.00	159.00	1.7	10	4	8	42
A COM	159.00	174.00	1.3	5	12	7	38
A COM	174.00	189.00	1.2	10	9	14	44

R SUM UNIFORM BI HB GRDR OCCURS THROUGH TOTAL LENGTH OF HOLE, EXCEPT
R SUM FOR 4M PPAN DYKE AT 190M.CP OCCURS PREDOMINANTLY AS VEINLETS
R SUM AND IS UNIFORMLY DISTRIBUTED THROUGHOUT THE HOLE.MOS2 IS COMMON
R SUM IN STEEPLY DIPPING QZ V'S WHICH ARE ERRATICALLY DISTRIBUTED IN
R SUM THE HOLE.A 15M SUPERGENE ZONE IS PRESENT AS INDICATED BY CV,AND
R SUM MINOR NATIVE CU.POTASSIC ALTERATION ENVELOPES OCCUR ALONG THE
R SUM ENTIRE HOLE,AND ARE ESPECIALLY PROMINENT WITH QZ-CP-EP VEINS,
R SUM BUT ALSO OCCUR WITH CL;QZ-PY-EP;QZ-MO;AND QZ-CP-HE-EP-MO VEINS.
R SUM GYPSUM VEINS APPEAR SUDDENLY BELOW 120M DEPTH,SIGNIFICANT FAULTS
R SUM OCCUR AT 37M,58M,152M

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                                           G E O L O G   E D I T   L I S T I N G                          SYSTEMS ENGINEERING BY
                                                                                                     INTERNATIONAL GEOSYSTEMS CORP.

                                              SASKATCHEWAN MINING DEV, CORP
                                            WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                                        FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH027        COLLAR ELEVATION:      1190.00        AZIMUTH( DEG ) :     0.00      GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  172.97        NORTHING(- IF S):      1500.00        VERTICAL ANGLE :   -90.00      DATE (YY/MM/DD): 810700
CORE/HOLE DIAMETER :      NQ        EASTING (- IF W):      2290.00        CO-ORD SYSTEM  :    MAP        PROJECT NUMBER :  4942


                              SEQ. NO OF     LENGTH FROM COLLAR      AZIMUTH    VERT. ANGLE
                             SURVEY DATA       TO SURVEY POINT       ( DEG )      ( DEG )

                                  1              169.47               0.00        -90.00

R HED                       WCDH027 LOCATED 3.1M FROM WCPHD20. DRILING COMMENCED JULY 8;

R HED                       COMPLETED ON JULY 11

   F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI    STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-   M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY     O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN  - - - -
Y  G  F R O M - T O - I N T ( . )     D X TYPE  1  2 QM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK    FM     RT   TM QM2 TX TX S R S O S          T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                          QUAL    AGE EN- O LC- 3      3  4 O N H /  M        2    AZM  RT H  H  H  H  H  H  H  H  H  H   1  1
Y  G                          DESIG       VIR   COL            R D P C   L          STRUCTUR-2 A  A  A  A  A  A  A  A  A  A   2  2


/ OVB     0.00    6.40    6.40            OVER                           P
L
R         0.00    6.40       NW CASING TO 6.40 M., NO SAMPLES COLLECTED

/ CAP     6.40    9.00   2.60  240        GRDR HB BI                     P    V2       65 V*    P*           3)       LI 7L
L                               50             7A                             V1       73       E)                    C+      01
R         8.30    8.30       CLAY GOUGE WITH WK. SULFIDES AT 8.30 M.

/         9.00   12.00   3.00  296        GRDR HB BI                     P    V2       75 V*    P* P*        V+       LI 7M
L                               75             7A                                                                             1

/        12.00   15.00   3.00  290        GRDR HB BI                     P    V2       75 V*    P* P(        3)       00 7B
L                              136             7A                                                                             2
R        12.00   15.00       ABUNDANT KF ENVELOPES   (1 TO 5 MM) AROUND QZ-PY VEINS. BOXWORK
R        12.00   15.00       OF PYRITE AT 12.2M.; TR. ZEOLITE-STILBITE OR NATROLITE?

/        15.00   18.00   3.00  295        GRDR HB BI                     P    V5       70 51    P*           3=       LI 7B
L                              117             7A                                               S*              S(            4
R        15.00   18.00       BOXWORK OF PY IN QZ-MO-PY VEINS

/        18.00   21.00   3.00  298        GRDR                           P    V5       80 51    P( P.        3=          3M
L                              130             7A                                       E( P- S*              S(            2

/        21.00   24.00   3.00  290        GRDR                           P    V5       80 V)    P( P.        <+          7M
L                              125             7A                                       E* P) F)                            1
R        21.00   21.00       INCREASING KF AND CL ENVELOPES BELOW 21.0 M.
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M TFDM  RI 1 ID AZM DIP OZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       24.00   27.00   3.00  279        GRDR                               P    V5        85 51    P( P.       3=          7A
L                              97             7A                                 V2        80    P+                   <(          2

/       27.00   30.00   3.00  295        GRDR                               P    V5        80 51    P= <*       <)          7B
L                              44             7A                                                                                1
R       27.00   30.00       ABUNDANT CLAY AND CA IN FRCTS

/       30.00   33.00   3.00  300        GRDR                               P    V5        80 51    P( P.       3=          7F
L                              69             7A                                                 P*                 00          1
R       30.00   33.00       ABUNDANT SLICKENSIDE ALONG SUB-VERTICAL SHEAR GOUGES CONTAINING
R       30.00   33.00       WX. SULFIDES

/       33.00   36.00   3.00  280        GRDR                               P    V2        80 <)    P( P*       3=          7B
L                             144             7A                                                                                1

/       36.00   39.00   3.00  288        GRDR                               P    V2        80 51    P( P.       3=          7F
L                             130             7A                                                       Q.                       1

/       39.00   42.00   3.00  290        GRDR                               P    V2        75 <*    P) F.       <) D=       7F
L                             167             7A                                            E) P. Q* Q. C.                      1
R       39.00   42.00       TR. OF CP IN QZ-PY MICROVEIN

/       42.00   45.00   3.00  290        GRDR                               P    V4        67 <*    P) F.    <* <) D=       7F
L                             119             7A                                               P-       C*          D.          1
R       42.00   45.00       TR. OF MO IN HM-MG-CY FRCTS

/       45.00   48.00   3.00  270        GRDR                               P    V2        75 <*    P+ <*       <) 00       7B
L FLT                          64             7A                                            E+ P)                   00          1
R       45.00   48.00       INTENSELY SHEARED GOUGE ZONE- FAULT?

/       48.00   51.00   3.00  270        GRDR                               P    V2        75 <*    P) F.       <* D-       7L
L                             104             7A                                            E*                      D.          1
R       48.00   51.00       TR. OF PYROPHYLLITE IN SHEARED FRCTS,WITH  MU AND CA

/       51.00   54.00   3.00  287        GRDR BI HB           5 6 1 6       P    V2        85 V* 0) G( <( D)       6+          7L
L                             127             7A                                 SH        80 E=       V. <.                   01

/ FLT   51.98   52.18   0.20           X FAUL                               R    SH        60          G=       G=
L

/       54.00   57.00   3.00  295        GRDR BI HB           5 6 1 6       P    V2        81 V+ 0) Q= <( D)       6+    V-    7F
L                             112             7A                                 SH        80 E+       V. <.                   01
R       56.75   56.75      V OF GL-CP

/       57.00   60.00   3.00  292        GRDR BI HB           5 6 1 6       P    V2        85 #1 0) G( <( D)       00 B(       7L
L                             136                                                                      00                       3

/       58.01   58.40   0.39           ? FAUL                               R    SH        60          G) G+
L
R       58.01   58.40      2CM BLACK GOUGE AND BROKEN ROCK
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K  F  F R O M - T O -  I N T PECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RT 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       60.00   63.00   3.00  274        GRDR BI HB           5 6 1 6       P    SH      90 V( U) P+ <* D)    V*         7L
L                              89                                                           E*    <* .           V*            0

/       63.00   66.00   3.00  300        GRDR BI HB           5 6 1 6       P    V1      85 <- 00 G( <( D)    <+         7F 1F
L                              84                                                           E+    S+ 00                        0
R       63.00   66.00      CL COMMON AS SELVAGE WITH PY

/       66.00   69.00   3.00  292        GRDR BI HB           5 6 1 6       P    V1      90 V* O) G( <( D)    <)         7L
L                             133                                                           E+    <*                           0
R       66.00   69.00      K-SPAR E'S BORDERING EP V'S

/       69.00   72.00   3.00  285        GRDR BI HB           5 6 2 6       P    V2      60 <(       <* D)    <+         7B
L                              99             7A                                 V1      45 E+    S) <*                        1

/       72.00   75.00   3.00  260        GRDR BI HB           5 6 2 6       P    V5      90 V1       <) 00    V1         7F
L                              00             7A                                 SH      90 E=    <* 00 G(          <(         1
R       72.00   75.00      VUGGY QZ-PY-MO V IN SHEAR ZONE

/       75.00   78.00   3.00  270        GRDR BI HB           5 6 2 6       P    V2      90 V(    G* 00 00 V* V+         7B
L                              34                                                V2      50       G) 00          <.            1

/       78.00   81.00   3.00  284        GRDR BI HB           5 6 2 6       P    SH      75 00       G) D) V- 6*         7B
L                              13                                                SH      50 00       00          G-            0

/       81.00   84.00   3.00  300        GRDR BI HB           5 6 2 6       P    SH      50 V(    G) G) D) V* <*         7B
L                              35                                                V1      55 E=    V-                           1
R FLT   81.21   81.30      FTZN-SHEARING AND GOUGE

/       84.00   87.00   3.00  260        GRDR BI HB           5 6 2 6       P    SH      90 00    G) <) D)    6)         7B
L                              40                                                V1      47 Q1    V+ V(                        0

/       87.00   90.00   3.00  296        GRDR BI HB           5 6 2 6       P    V4      50 V-       <) D) V+ 7) D.      7B
L                              40                                                SH      50 Q1                                 0

/       90.00   93.00   3.00  264        GRDR BI HB     EQ        5         P    V1      70       G) <) D) <* 7) D(
L                             105             7A                                 SH      65 Q1    E)                           0

/       93.00   96.00   3.00  300        GRDR BI HB     EQ        5         P    V1      90 V(    G) <) D) <* 7) 7*
L                             104             7A                                 SH      90 00    E)                           0

/       96.00   99.00   3.00  300        GRDR BI HB     EQ        5         P    V1      75 V(    00 00 D) 00 6+ 00      7L
L                             175             7A                                 SH      45 E+    V+ B.          B.            0

/       99.00  102.00   3.00  295        GRDR BI HB     EQ        5         P    V1      70 V*    00 00 D) 00 6) 00
L                             113             7A                                 SH      65 E+    E+ V0                        1
R       99.00  102.00      PY-EP-CL V'S COMMON WITH K-SPAR E'S
R       99.00  102.00      PY-EP-CL V'S COMMON WITH K-SPAR F'S

/      102.00  105.00   3.00  294        GRDR BI HB     EQ        5         P    V1      80 00    00 00 D) 00 6* 00
L                             183                                                           E)    V*             <.
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K   F   F R O M - T O -   I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E  -L-  ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y   G                           R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/        105.00  108.00     3.00   295           GRDR BI HB        EQ          5           P     V1        70         00 00 D) 00 6* D.          7L 1L
L                                  155                                                                        E)     E*                              0

/        108.00  111.00     3.00   291           GRDR BI HB        EQ        5             P     V5        55 V*         <( D0 G* 6)              7F
L                                   76                  7A                                       V1        62            E.          V.              1
R        108.00  111.00          PY V WITH 5MM WIDE D-SPAR ALT. E.
R        108.00  111.00          PY V WITH 5MM WIDE K-SPAR ALT. E.

/        111.00  114.00     3.00   298           GRDR BI HB        EQ        5             P     V1        80 V= A(      <( D- G* 6)              7F
L                                   98                                                           V1        20 E*                     V.              0
R        111.25  111.25          BI  BOOKS FILLING QZ-LINED VUGS

/        114.00  117.00     3.00   274           GRDR BI HB        EQ        5             P     V5        55 00 O)      <( D0 00 6)              7F
L                                   79                                                                        E+                     00              0

/        117.00  120.00     3.00   286           GRDR BI HB        EQ        5             P     SH        77 V(         <( D0 00 6)              7B
L                                   90                                                                        E=            G(       V.              1

/        120.00  123.00     3.00   299           GRDR BI HB        EQ        5             P     V1        68 00         <* D0 00 6*              7F
L                                   23                                                           V1        70 E+     V( 00               00              0

/        123.00  126.00     3.00   261           GRDR BI HB        EQ        5             P     SH        80 V( O)      G* 00 G* 6)              7F
L                                   47                                                           V1        65 E+        00               00
R        123.00  126.00          PY-CL V'S WITH 3-4MM K-SPAR E'S

/        126.00  129.00     3.00   285           GRDR BI HB        EQ        5             P     SH        75 00         <( D0 00 6*              7B
L                                   55                                                                        Q=        00               00              0

/ FLT    129.00  132.00     3.00   282           GRDR BI HB        EQ        5             P     SH        65 V-         V) D.    V*              7L
L                                  106                  7A                                                    01 P+                                  0

/        132.00  135.00     3.00   289           GRDR BI HB        EQ        5             P     V4        65 V-         V+ D. V) V* B.           7F
L                                  194                  7A                                       SH        45 Q= P=                              0

/        135.00  138.00     3.00   278           GRDR BI HB        EQ        5             P     V1        30 V-         V) D. V) 6*          AH 5M
L                                  146                  7A                                       SH        55 01 P+                          V-          0

/        138.00  141.00     3.00   300           GRDR BI HB        EQ        5             P     V1        85 00         V) D. V) V*              5M
L                                  160                  7A                                                    P2 P+                                  0

/ FLT    141.00  144.00     3.00   282           GRDR BI HB        EQ        5             P     SH        90 00     G? V) D. V) V*              7M
L                                  111                  7R                                       V4        55 P3 P=                              0
R        141.00  144.00          3MM BLACK GOUGE ZONE RUNNING PARALLEL TO CORE

/        144.00  147.00     3.00   285           GRDR BI HB        PP     5 5 5 6          P     SH        90 V(     Q= V) D. V) V*              7L
L                                  116                                                           V5        85                        S.

/        147.00  150.00     3.00   291           GRDR BI HB        PP     5 5 5 6          P     V4        05            V) D* V) 6*
L                                   74                                                                        Q=                     <-              0

/        150.00  153.00     3.00   290           GRDR BI HB        PP     5 5 5 6          P     V4        05            V) D* V+ 6(
L                                   70                                                                        V- P=                  <-              0
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                                   SASKATCHEWAN M  NG DEV. CORP
G E O L O G                    WHITING CK PORPHYRY MO-CU DEPOSIT BC                                  PAGE -  5
                            DRILLHOLE/TRAVERSE ---  WCDH027 --- (CONTINUED)

K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM RI  1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S D SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/      153.00  156.00   3.00  293        GRDR BI HB     EQ    5 5 5 6       P   V1      70 00       V) D* V) 6)
L                             108                                                          E+ Q+    B.          <-            0

/      156.00  159.00   3.00  296        GRDR BI HB     EQ    5 5 5 6       P   V1      80          V) D* V) 6*
L                             108                                                          Q=                   <-            0

/      159.00  162.00   3.00  300        GRDR BI HB     PP    5 5 5 6       P   V1      82 V-       V) D* V) 6*          7M
L                              70                                                SH      50 E= P+               <-            0
R FLT  161.67  161.67      2CM GOUGE DIPPING AT 50 DEGS

/      162.00  165.00   3.00  300        GRDR                               P   V2      65 >=    P- <-       3+ D.       7A
L                             164            7A                                            E) P( E+    S-                     2
R      162.00  165.00      VERY STRONG KF AND CL ENVELOPES AROUND QZ-PY MACROVEINS

/      165.00  168.00   3.00  290        GRDR                               P   V2      65 V+    P- <(       3) 00    FL 78
L                              91            7A                                            E(    E*    00             X.      2
R      165.00  168.00      TR. OF FL. IN BARREN QZ >. STRONG SILICIFICATION

/      168.00  171.00   3.00  253        GRDR HB BI                         P   V2      76 V)    P* <-       <+          7L
L                              40            7A                                            E*    P-                           1

/      171.00  172.97   1.97  190        GRDR HB BI                         P   V4      75 V)    P* <-    <* <+          7L
L                              52            7A                                  V2      70 E*    P-                           2
R      171.00  172.97      DDH 27 ENDED AT 172.97 M
```

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A 012	6.40	9.00	5082	.032	.002	.034
A 012	9.00	12.00	5084	.018	.003	.021
A 012	12.00	15.00	5083	.018	.002	.020
A 012	15.00	18.00	5085	.030	.072	.102
A 012	18.00	21.00	5086	.007	.050	.057
A 012	21.00	24.00	5087	.013	.003	.016
A 012	24.00	27.00	5088	.032	.055	.087
A 012	27.00	30.00	5089	.079	.015	.094
A 012	30.00	33.00	5090	.100	.007	.107
A 012	33.00	36.00	5091	.059	.005	.064
A 012	36.00	39.00	5092	.062	.012	.074
A 012	39.00	42.00	5093	.108	.007	.115
A 012	42.00	45.00	5094	.049	.013	.062
A 012	45.00	48.00	5095	.043	.003	.046
A 012	48.00	51.00	5096	.030	.002	.032
A 012	51.00	54.00	5097	.038	.002	.040
A 012	54.00	57.00	5098	.027	.003	.030
A 012	57.00	60.00	5099	.263	.013	.276
A 012	60.00	63.00	5100	.118	.005	.123
A 012	63.00	66.00	5102	.073	.003	.080
A 012	66.00	69.00	5103	.077	.003	.080
A 012	69.00	72.00	5104	.068	.007	.075
A 012	72.00	75.00	5105	.193	.287	.480
A 012	75.00	78.00	5106	.152	.022	.174
A 012	78.00	81.00	5107	.080	.013	.093
A 012	81.00	84.00	5108	.103	.013	.116
A 012	84.00	87.00	5109	.157	.017	.174
A 012	87.00	90.00	5110	.219	.052	.271
A 012	90.00	93.00	5111	.158	.017	.175
A 012	93.00	96.00	5112	.113	.025	.138
A 012	96.00	99.00	5113	.059	.015	.074
A 012	99.00	102.00	5114	.061	.015	.076
A 012	102.00	105.00	5115	.167	.005	.172
A 012	105.00	108.00	5116	.073	.005	.078
A 012	108.00	111.00	5117	.042	.005	.047
A 012	111.00	114.00	5118	.109	.005	.114
A 012	114.00	117.00	5119	.073	.010	.083
A 012	117.00	120.00	5120	.090	.042	.132
A 012	120.00	123.00	5121	.047	.007	.054
A 012	123.00	126.00	5122	.051	.007	.058
A 012	126.00	129.00	5123	.048	.005	.053
A 012	129.00	132.00	5124	.050	.020	.070
A 012	132.00	135.00	5125	.041	.012	.053
A 012	135.00	138.00	5126	.040	.007	.047
A 012	138.00	141.00	5127	.038	.007	.045
A 012	141.00	144.00	5128	.069	.062	.131
A 012	144.00	147.00	5129	.087	.038	.125
A 012	147.00	150.00	5130	.073	.040	.113
A 012	150.00	153.00	5131	.040	.028	.068
A 012	153.00	156.00	5132	.061	.008	.069

				%CU	%MOS2	HASH
A UMM						
A LAB				MIN-EN	MIN-EN	
A MTH				CHEM	CHEM	
A TYP				H-CORE	H-CORE	
A 012	156.00	159.00	5133	.049	.007	.056
A 012	159.00	162.00	5134	.063	.087	.150
A 012	162.00	165.00	5135	.040	.010	.050
A 012	165.00	168.00	5136	.028	.007	.035
A 012	168.00	171.00	5137	.038	.008	.046
A 012	171.00	172.97	5138	.023	.003	.026
R ASY	6.40	172.97	AVE. CU=0.073%			
R ASY	6.40	172.97	AVE. MOS2=0.018%			
R ASY	6.40	172.97	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN			

			PPM AG	PPB AU	PPM W	PPM PB	PPM ZN
A UMM							
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN
A MTH			PCL-AA	AOR-AA	COLOR	PCL-AA	PCL-AA
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	COMPOS
A COM	9.00	24.00	0.5	5	8	10	25
A COM	24.00	39.00	0.6	10	10	5	19
A COM	39.00	54.00	0.7	10	13	5	20
A COM	54.00	69.00	1.3	5	10	29	36
A COM	69.00	84.00	0.9	15	14	11	33
A COM	84.00	99.00	1.2	5	10	8	28
A COM	99.00	114.00	0.8	10	21	4	29
A COM	114.00	129.00	0.6	5	30	7	24
A COM	129.00	144.00	1.3	10	-2	15	41
A COM	144.00	159.00	1.2	5	6	17	38
A COM	159.00	172.97	1.0	10	10	12	31

R SUM THE ONLY ROCK TYPE PRESENT THROUGHOUT THIS HOLE IS EQUIGRANULAR,
R SUM TO LOCALLY PORPHYRITIC BI HB GRANODIORITE.POTASSIC ALT. ENV-
R SUM ELOPES ARE PRESENT THROUGHOT HOLE BUT ARE LESS ABUNDANT THAN
R SUM IN DDH 27, AND CL IS MORE ABUNDANT INDICATING GENERALLY WEAKER
R SUM ALTERATION.NO SUPERGENE ZONE IS PRESENT.PY OCCURS MAINLY AS V'S
R SUM AND AVERAGES 1% OR LESS.CP IS RARE-BEING NOTED AT ONLY A FEW
R SUM LOCATIONS.MOS2 OCCURS IN MINOR AMOUNTS WHICH BECOME MORE
R SUM SPARSELY DISTRIBUTED WITH DEPTH.GYPSUM IS LESS ABUNDANT THAN IN
R SUM DDH 26 WHILE CALCITE IS MORE ABUNDANT.SIGNIFICANT FAULTS OCCUR
R SUM AT 31M;45.5M;52M;58M;81M;130M;141M;162M.TRACE AMOUNTS OF GALENA
R SUM NOTED IN UPPER PART OF HOLE.

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 I G C                                                                                      PAGE : 1  DATE :1981/11/27

                              G E O L O G   E D I T   L I S T I N G                       SYSTEMS ENGINEERING BY
                                                                                       INTERNATIONAL GEOSYSTEMS CORP.

                                  SASKATCHEWAN MINING DEV.CORP.
                                WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                          FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH028      COLLAR ELEVATION:       1600.00         AZIMUTH( DEG ) :  270.00       GEOLOGGED BY : DTC +
TOTAL DEPTH/LENGTH :  171.91      NORTHING(- IF S):       3440.00         VERTICAL ANGLE :  -49.00       DATE (YY/MM/DD): 810715
CORE/HOLE DIAMETER :      NQ      EASTING (- IF W):       2585.00         CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :   4942

                         SEQ. NO OF      LENGTH FROM COLLAR      AZIMUTH    VERT. ANGLE
                        SURVEY DATA        TO SURVEY POINT       ( DEG )      ( DEG )

                              1               102.11              270.00       -50.00
                              2               169.77              270.00       -52.00

R HED                 WCDH028 DRILLING COMMENCED JULY 13; COMPLETED ON JULY 18

  F    - I N T E R V A L -    CORE  T- X       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MT=METRIC FT=FOOTRIC)  ERY     O I      TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T ( . )    D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                          ROCK   FM     RT     TM QM2 TX TX S R S O S         T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                          QUAL   AGE EN- Q LC- 3      3  4 O N H /  M         2    AZM  RT H  H  H  H  H  H  H  H  H  1  1
Y G                          DESIG      VIR   COL             R O P C   L          STRUCTUR-2 A  A  A  A  A  A  A  A  A  2  2


/ OVB    0.00    7.50    7.50  00       OVER                        P
R        0.00    7.50        CASING TO 9 M.

/ WTH    7.50    9.00    1.50  142      APLT QZ KF           3          P   V6     55 <+   P-        D=     LI SL
L                               0          7A                    0              P)             D.     C=       7
R        7.50    9.00        ABUNDANT QZ MICROVEIN NETWORK (FRCT. CONTROLLED?), COMMONLY CUTS
R        7.50    9.00        QZ VEINS. BADLY BROKEN CORE!

/ WTH    9.00   12.00    3.00  180      APLT QZ KF     AP PP 3          P   V6     65 <+   P-        D(     LI SL
L                               0          7A          <<                                           00             Y
R        9.00   12.00        ABUNDANT 1 TO 3 MM. SUBHEDRAL QZ PHENO. (AUGENS)
R        9.00   12.00        DISS. PY COMMON ALONG FRCTS. AND VUGS.

/ WTH   12.00   15.00    3.00  242      APLT QZ KF           3          P   V6     68 <+   P-        D-     LI SL
L                               0          7A        VG                                                        Y

/ WTH   15.00   18.00    3.00  233      APLT QZ KF           3          P   V5     70 <+   P-        D-     LI SL
L                                          6A                                                                  Y
R       15.00   18.00        TR. OF DISS MO IN QZ-PY VEIN

/       16.65   18.00    1.35         4 TFXL             2 4 = 4        R   V6     60 <)   00        D.        00
L                                       AN 4A                  O                  00             00            Y
R       16.65   18.00        BADLY BROKEN CORE, NO CONTACT OBSERVED

/ WTH   18.00   21.00    3.00  207      APLT         BX                 P             <+   P-        D.     LI SL
L                               0          7A                                       P)                      C=     Y

/       18.00   18.60    0.60         2 TFXL             2 4 = 4        R             <(   00        00        00
L                                       AN 4A                  O                  00                           0
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K  F  F R O M - T O -  I N T RECOV  MD X ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R    18.00  18.60    EXTREMELY BROKEN CORE, IN 5 TO 30 MM, FRAGMENTS

/ WTH  21.00  24.00  3.00  228      APLT                       P               V=   P*           D-       LI 5L
L                                      7A                                           P)                D-     C=     V
R      21.00  24.00     MO IS COMMON IN QZ VEINS AND MACROVEINS

/ WTH  24.00  27.00  3.00  210      APLT                       P     V5     45 V1   P*           D-       LI 5F
L                            0         7A                                                              00           Y

/ WTH  27.00  30.00  3.00  222      APLT                       P     V5     40 V=   P*           D-       LI 5L
L                           17         8A                                                              D.           Y

/ WTH  30.00  33.00  3.00  246      APLT        VG             P               >8   P*   D.      D-       LI 5L
L                           23         7A                                                      FM      D*           V
R      30.00  33.00     INTENSELY SILICIFIED ZONE, QZ MACROVEIN OVER 1 M. .TR. OF FERRI-
R      30.00  33.00     MOLYBDITE?

/ WTH  33.00  36.00  3.00  277      QZPP        PP    3 4 = 4  P     V1     33 V=   P*           D-       LI 5L
L                                   AP 8A                            V5     50                         D.    C+     Y
R      33.00  36.00     TR. FM IN QZ-MO VEIN AT 35 M.

/ WTH  36.00  39.00  3.00  278      QZPP           KR          P               V=   P*           D*       LI 5L
L                           29      AP 8A                                                                           Y

/ WTH  39.00  42.00  3.00  270      QZPP        PP VG 3 4 = 4  P     V5     75 V=   P*           D(       LI 5F
L                           36      AP 7A                                        P+                    D(    C+     Y

/ WTH  42.00  45.00  3.00  280      QZPP        PP 00 3 4 = 4  P     V5     45 V=   P*           D(       LI 5F
L                           30      AP 7A                                        P+                    D.    C=     Y

/ WTH  45.00  48.00  3.00  288      QZPP        PP VG 3 4 = 4  P     V5     48 V+   P*           D*       LI 5F
L                           60      AP 7A                                        P+                    D(    C)     Y
R      45.00  48.00     DECREASING LI COATING ON FRCTS

/ WTH  48.00  51.00  3.00  282      QZPP        PP 00 3 4 = 4  P     V5     65 V=   P*           D)       LI 5F
L                           28      AP 7A                                                              S(           Y
R      48.00  51.00     DISS. PY COMMON ALONG FRCTS

/ WTH  51.00  54.00  3.00  270      QZPP        PP VG 3 4 = 4  P     V5     75 V=   P*           D(       LI 5F
L                            0      AP 8A                                                              S(           Y
R      51.00  54.00     TR. OF V. FINE-GRAINED DISS. MO IN FRTCS., ALSO AS SELVAGES IN
R      51.00  54.00     QZ VEINS

/ WTH  54.00  57.00  3.00  300      QZPP        PP VG 3 4 = 4  P     V5     60 V=   P*           D*       LI 5F
L                           60      AP 8A                                                              S-           Y

/ WTH  57.00  60.00  3.00  278      QZPP        PP VG 3 4 = 4  P     V6     40 <=   P-           D)       LI 5L
L                           37      AP 8A                                        P+                    D.    C)     V

/ WTH  60.00  63.00  3.00  230      QZPP        PP VG 3 4 = 4  P     V5     50 <=   P-       F. D)        LI 5L
L                           25      AP 7A                            V5     80   P+                    D.    C)     Y
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML        2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ WTH   63.00   66.00   3.00  253        QZPP           PP VG 3 4 = 4       P    V1      65 <=    P-       00 D)       LI 5L
L                              32          AP 7A                                 V5      45    P+                S-    C)      V

/ WTH   66.00   69.00   3.00  270        QZPP           PP VG 3 4 = 4       P    V5      50 <=    P-          D)       LI 5L
L                              27          AP 7A                                 V1      70    P+                D.    C)      Y

/ WTH   69.00   72.00   3.00  280        QZPP           PP VG 3 4 = 4       P    V3      25 <=    P-          D)       LI 5L
L                              33          AP 7A                                 V1      55    P+                <-    C)      Y

/ WTH   72.00   75.00   3.00  270        QZPP           PP VG 3 4 = 4       P    V6      40 <=    P-          D)       LI 5L
L                              15          AP 7A                                               P+                D.    C)      Y

/ WTH   75.00   78.00   3.00  290        QZPP           PP VG 3 4 = 4       P    V6      40 <=    P-          D)       LI 5L
L                              30          AP 7A                                               P+                D.    C)      V

/ WTH   78.00   81.00   3.00  240        QZPP           PP VG 3 4 = 4       P    V6      35 <=    P.          D)       LI 5L
L                               0          AP 7A                                               P-                D.    C*      Y

/       81.00   84.00   3.00  246        QZPP           PP VG 3 4 = 4       P    V6      50 <1    P.          D*       LI 5L
L                              15          AP 7A                                               P*                D.    C*      Y

/ DYK   84.00   87.00   3.00  250        MZPP       FL  PP      2 6 = 6       P               V*    G*          D+           5F
L                                             5A    QZ              0                          E- 0)                           1
R       84.00   84.00      CONTACT BETWEEN QZPP AND MZPP DYKE NOT OBSERVED, UPPER
R       84.00   84.00      CONTACT ZONE AT APPROX. 84 M.
R       84.00   84.00      MZPP HAS FINE KF MTX, WITH 2 TO 15 MM PHENO

/ DYK   87.00   90.00   3.00  287        MZPP       FL  PP      2 6 = 6       P               <*    G*          <+           5F
L                              18             5A    QZ              0                          E- 0)                           1

/ DYK   90.00   93.00   3.00  275        MZPP       FL  PP      2 6 = 6       P    V2      63 V*    G*          D+           5F
L                              16             5A    QZ              0                          E( 0)             D.            1
R       90.55   90.55      TR. OF DISS. MO WITH PY. IN QZ. <

/ DYK   93.00   96.00   3.00  282        MZPP       FL  PP      2 6 = 6       P    V2      50 V*    G*          D+           5F
L                              46             5A                                                                 00            1

/ DYK   96.00   99.00   3.00  282        MZPP       FL/ PP      3 6 6 6       P    V1      60 V*    G)          8+           5B
L                              16             5A    QZ/                                      55    E* 0)                           0
R       96.50   96.50      2-16MM PF PHENOS IN A VERY FINE GRAINED K-SPAR MATRIX.2%
R       96.50   96.50      DISS. PY, PHYLLIC E'S WITH PY V'S

/ DYK   99.00  102.00   3.00  224        MZPP       FL/ CM      3 6 6 6       P    V1      60 00    G)          8+       LI 5B
L                               0                                                                                      C(      5

/      101.56  102.00   0.44           X QZPP                                 R               V= 0+             6*       CV
L                                             8A                                                                 <-    C.
R ,    101.56  101.56      CONTACT NOT OBSERVED DUE TO BROKEN ROCK

/      102.00  105.00   3.00  300        QZPP                                 P    V3      55 V2             6(       LI 5B
L                              93             8A                                               Q=                <.    C(      Y
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```
K  F  F R O M - T O - I N T RFCOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      105.00  108.00   3.00  269       QZPP                               P    V5      70 V2    G*          6(       LI 5M
L                              28            8A                                               Q=                <.    C(       Y

/      108.00  111.00   3.00  288       QZPP                               P    V1      85 V2                V*       CI 5M
L                              32            8A                                 V5      75    Q2                <.    C.       Y

/      111.00  114.00   3.00  186       QZPP                               P    V3      55 V2                V)       CI 5M
L                              90            8A                                               Q3                <- C. C(       9

/      114.00  117.00   3.00  294       QZPP                               P    V1      70 V2                V*       LI 5M
L                              90            8A                                 V5      75 V2 Q2                <*    C(       V

/      117.00  120.00   3.00  254       QZPP           PP SK 3 5 2 6       P    V5      80 V2                V*          5M
L                              27            8A                                 V1      90    Q2    V.          V(             X

/      120.00  122.80   2.80  280       QZPP           PP SK 3 5 2 6       P    V1      60 >5                V)          5B
L                              31            8A                                 V1      90    Q1    V.          V(             9
R      120.00  122.80      CONTACT BETWEEN QZPP AND HORN, CONTACT IS EXTREMELY BRECCIATED
R      120.00  122.80      AND VEINED WITH QZ

/ CNT  122.80  123.00   0.20   20       HORN                 3             P               >5          D.    V)
L                               0            2A                                                  S.             <-             5

/      123.00  126.00   3.00  293       HORN                 3             P    V1      55 >5       <) D.    V)
L                              21            2A                                                  S.             00             V

/      126.00  129.00   3.00  280       HORN                 3             P    V2      55 >5       <* D.    V)          5B
L                               0                                                             E=                00             V
R      126.00  126.00      PY V CUTTING BARREN QZ V'S

/      129.00  132.00   3.00  225       HORN                 3             P    V3      40 >5       <* D.    6) B.    CI
L                               0                                               V1      80                      <-    C.       V

/ DYK  129.20  130.20   1.00          9 QZPP                               R               V2                V*
L                                                                                                               <=
R      129.20  130.20      ABUNDANT DYKING OF QZPP (2CM WIDE OR GREATER) INTO HORN

/ VN/  132.00  135.00   3.00  221       VEIN                               P                                 V*
L                               0            9A                                 V1      70 >X                   <.             0

/      135.00  138.00   3.00  252       VEIN                               P    V1      20 >9                V*
L                               0            9A                                                                 <-             0

/      135.00  138.00   3.00          1 QZPP                               R
L

/      138.00  141.00   3.00  276       VEIN                               P    V1      20 >X                V*
L                               0            9A                                                                 <.             0

/      140.75  141.00   0.25          X HORN                               R               >4
L                                            2A                                                                                1
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/    141.00  144.00   3.00  291        HORN                                 P    V1     80 >4        A* D(     V)        5L
L                            78                 2A                                           E=                   <.        X

/    144.00  147.00   3.00  277        HORN                                 P    V2     60 >4        <* D(     V)        5L
L                            70                 2A                                           E=                   B.        X

/    147.00  150.00   3.00  245        HORN                                 P    V1     50 >4        <* D(     V)        5M
L                            36                 2A                                           E+                   00        X
R    147.00  150.00     PY-V CUTTING BARREN QZ V'S AND HORN.2-4MM MS ALT E IN HORN

/    150.00  153.00   3.00  236        HORN                                 P    V1     80 >4        <* D(     V)        5B
L                             0                                                              E+                   00        V
R STN  151.32  151.32   HORN WITH < K-SPAR ALT. CUT BY LATER QZ V, BOTH CUT BY PY V WITH
R    151.32  151.32     5MM WIDE PHYLLIC E

/    153.00  156.00   3.00  250        HORN                                 P    V1     50 V4        <* D(     V)        5L
L                             0                                                              E+                   <.

/    156.00  159.00   3.00  273        TUFF          BD    3 4 1 4          P    BD     55 >3 P5 G( <* D.     <)        5B
L                           132              AN 3A                               V5     50    E)                  <.        X
R    156.00  171.91     PRIMARY TEXTURE RECOGNIZABLE,HOWEVER FINE-GRAINED BI IN GROUND-
R    156.00  171.91     MASS INDICATES ROCK IS STILL HORN

/    159.00  162.00   3.00  283        TUFF          BD    3 4 1 4          P    V1     70 V2 P5 G( <* D.     <) <-     5B
L                           103                                                                    G.         <.        X
R    159.00  162.00     SOFT BLUE MINERAL ON FRACTURES-CC?

/    162.00  165.00   3.00  285        TUFF          BD    3 4 1 4          P    BD     55 V3 P5 G( <* D.     <)        5B
L                           123                                                                               00        V

/    165.00  168.00   3.00  282        TUFF          BD    3 4 1 4          P    SS     70 V2 P5 G( <* D.     <)        5B
L                            61                                                                               00        X

/    168.00  170.00   2.00  200        TUFF          BD    3 4 1 4          P    V5     82 V1 P5 G( <) D.     <+        5B
L                            45                                                                               <-        X

/ DYK  170.00  171.91   1.91           PPAN FL HB    PP                     P    V1     67 V=        <)        <)
L                                               4A
R    171.91  171.91     END OF HOLE AT 171.91 M
```

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A 012	7.50	9.00	5139	.002	.007	.009
A 012	9.00	12.00	5140	.002	.008	.010
A 012	12.00	15.00	5141	.002	.010	.012
A 012	15.00	18.00	5142	.002	.032	.034
A 012	18.00	21.00	5143	.003	.030	.033
A 012	21.00	24.00	5144	.002	.028	.030
A 012	24.00	27.00	5145	.003	.015	.018
A 012	27.00	30.00	5146	.002	.012	.014
A 012	30.00	33.00	5147	.002	.083	.085
A 012	33.00	36.00	5148	.001	.030	.031
A 012	36.00	39.00	5149	.001	.022	.023
A 012	39.00	42.00	5150	.002	.020	.022
A 012	42.00	45.00	5151	.001	.028	.029
A 012	45.00	48.00	5152	.003	.015	.018
A 012	48.00	51.00	5153	.003	.015	.018
A 012	51.00	54.00	5454	.001	.005	.006
A 012	54.00	57.00	5155	.001	.007	.008
A 012	57.00	60.00	5156	.002	.010	.012
A 012	60.00	63.00	5157	.002	.010	.012
A 012	63.00	66.00	5158	.003	.015	.018
A 012	66.00	69.00	5159	.004	.017	.021
A 012	69.00	72.00	5160	.004	.013	.017
A 012	72.00	75.00	5161	.007	.017	.024
A 012	75.00	78.00	5162	.007	.010	.017
A 012	78.00	81.00	5163	.003	.010	.013
A 012	81.00	84.00	5164	.011	.008	.019
A 012	84.00	87.00	5165	.090	.002	.092
A 012	87.00	90.00	5166	.083	.002	.085
A 012	90.00	93.00	5167	.148	.002	.150
A 012	93.00	96.00	5168	.076	.002	.078
A 012	96.00	99.00	5169	.029	.002	.031
A 012	99.00	102.00	5170	.042	.005	.047
A 012	102.00	105.00	5171	.008	.015	.023
A 012	105.00	108.00	5172	.011	.053	.064
A 012	108.00	111.00	5173	.011	.027	.038
A 012	111.00	114.00	5174	.026	.012	.038
A 012	114.00	117.00	5175	.008	.120	.128
A 012	117.00	120.00	5176	.016	.023	.039
A 012	120.00	123.00	5177	.007	.005	.012
A 012	123.00	126.00	5178	.021	.008	.029
A 012	126.00	129.00	5179	.014	.003	.017
A 012	129.00	132.00	5180	.015	.017	.032
A 012	132.00	135.00	5181	.008	.005	.013
A 012	135.00	138.00	5182	.007	.007	.014
A 012	138.00	141.00	5183	.007	.022	.029
A 012	141.00	144.00	5184	.029	.013	.042
A 012	144.00	147.00	5185	.022	.005	.027
A 012	147.00	150.00	5186	.012	.005	.017
A 012	150.00	153.00	5187	.019	.025	.044
A 012	153.00	156.00	5188	.011	.010	.021

				%CU	%MOS2	HASH
A UMM				MIN-EN	MIN-EN	
A LAB						
A MTH				CHEM	CHEM	
A TYP				H-CORE	H-CORE	
A 012	156.00	159.00	5189	.016	.018	.034
A 012	159.00	162.00	5190	.019	.020	.039
A 012	162.00	165.00	5191	.029	.020	.049
A 012	165.00	168.00	5192	.023	.007	.030
A 012	168.00	171.00	5193	.023	.083	.106
A 012	171.00	171.91	5194	.012	.002	.014
R ASY	7.50	171.91	AVE. CU= 0.017%			
R ASY	7.50	171.91	AVE. MOS2= 0.018%			

				PPB AG	PPM AU	PPM W	PPM PB	PPM ZN
A UMM				MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN
A LAB				PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA
A MTH				COMPOS	COMPOS	COMPOS	COMPOS	COMPOS
A TYP								
A COM	7.50	21.00	10	5	6		18	33
A COM	21.00	36.00	0.4	5	12		12	20
A COM	36.00	51.00	0.3	5	7		10	18
A COM	51.00	66.00	0.4	5	8		8	23
A COM	66.00	84.00	0.3	10	10		11	16
A COM	84.00	99.00	1.1	5	10		15	31
A COM	99.00	114.00	0.3	5	8		9	34
A COM	114.00	129.00	0.6	5	8		9	32
A COM	129.00	144.00	0.2	10	7		7	20
A COM	144.00	159.00	0.5	5	11		10	28
A COM	159.00	171.91	0.9	10	10		12	39

R SUM QZPP AND APLT OCCUR FROM 7.5M TO 122.80.QZ VEINS OCCUPY UP TO

R SUM 50% OF THE ROCK BUT MOLYBDENITE OCCURS IN ONLY MINOR AMOUNTS

R SUM OXIDATION EXTENDS TO 108M.A MZPP DYKE OCCURS IN THE QZPP BETWEEN

R SUM 84M AND 104.56M.THE CONTACT BETWEEN QZPP AND HORN IS MARKED BY

R SUM BRECCIATION OF HORN AND STRONG QZ VEINING AND DYKING OF QZPP

R SUM INTO THE HORN.MOLYBDENITE IS MORE ABUNDANT WITHIN 6 TO 10M OF

R SUM THE CONTACT.QZPP CONTAINS PATCHY PHYLLIC ALT. WHILE HORN HAS

R SUM POTASSIC E'S AND LATER PHYLLIC ALTERED PY V'S.NO MAJOR FAULTS

R SUM WERE NOTED

GEOLOG EDIT LISTING

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEVELOPMENT CORP
WHITING CK. PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6B02

R. Cam

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DRILLHOLE/TRAVERSE : WCDH029        COLLAR ELEVATION:      1600.00         AZIMUTH( DEG ) :  112.00       GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  339.55        NORTHING(- IF S):      3440.00         VERTICAL ANGLE :  -49.00       DATE (YY/MM/DD): 810720
CORE/HOLE DIAMETER :       NQ       EASTING (- IF W):      2590.00         CO-ORD SYSTEM  :   MAP         PROJECT NUMBER : 4942

R HED                               WCDH 29 COMMENCED ON JULY 18, COMPLETED ON JULY 24

   F   - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O T      TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O - I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A     MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK  FM     RT    TM QM2 TX TX S R S O S          T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                          QUAL  AGE EN- O LC- 3      3  4 D N H /  M         2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                          DESIG     VIR  COL             R D P C   L           STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2

/ OVB      0.00    3.05    3.05           OVER                          P
L

/ CAP      3.05    6.00    2.95  222      QZPP          BW   3 5 1 6          P   SF      70 V)                V*        LI 5L
L                                 62            7A                                            Q=                       C+      2

/ CAP      6.00    9.00    3.00  268      QZPP          BW   3 5 1 6          P   V1      25 V+                V*        LI 5L
L                                 81           OW                                             Q=                       C+      X

/ CAP      9.00   12.00    3.00  300      QZPP          BW   3 5 1 6          P   V6      60 V+    O)          V*        LI 5L
L                                 45            7U                                            Q=                       C+      X

/ CAP     12.00   15.00    3.00  246      QZPP          BW   3 5 1 6          P   V2      42 V=                V*        LI 5H
L                                 92            7A                                V5      60    Q=                <.   C+      5
R         13.50   13.50        28CM WIDE QZ >, WITH MOS2 <'S. MINOR SILICIFICATION ALONG MARGIN

/ CAP     15.00   18.00    3.00  287      QZPP          BW   3 5 1 6          P   V1      45 V+                V*        LI 5H
L                                113            AR                                                                             X
R         17.45   20.80        ZONE OF INTENSE QZ-MS AND MINOR PY ALT. BLOCKS OF WEAKLY ALT
R         17.45   20.80        QZPP PRESENT IN ZONE: QZ VEINING ABOUT SAME DENSITY BUT DISSEM
R         17.45   20.80        PY PRESENT

/ CAP     18.00   21.00    3.00  293      QZPP          BW   3 5 1 6          P   V5      60 V)                7+        LI 5L
L                                191            8A                                                                <.           X

/ CAP     21.00   24.00    3.00  286      QZPP          SK   3 5 1 6          P   V6      55 6=                6*        LI 5M
L                                129         AP 8A                                            E=                       C1      7

/ CAP     24.00   27.00    3.00  292      QZPP          SK   3 5 1 6          P   V6      55 6=                6*        LI 5M
L                                136         AP OW                                            Q1                  <.   C1      V
```

K E Y	F -L- G	FROM	TO	INT	RECOV / R Q D	MO / AGE	% / EV	ROCK / RQ	TM / LC	TM / TM	QM1 / QM2	TX / TX	TX / TX	F / S	C / R	% / S	M / O	TFDM / SML	RI	1 / 2	ID / ID	AZM / AZM	DIP / DIP	QZ / KF	BI / MU	CY / CL	CB / FP	MG / HE	GY / XX	PY / PR	CP / MO	GL / SL	YY	F	I	Z	I
/	CAP	27.00	30.00	3.00	264			QZPP				SK		3	5	1	6		P		V6		55	6=						6*			LI	5M			
L					140			AP	9B																Q=						<.		C=			X	
/	CAP	30.00	33.00	3.00	274			QZPP				SK		3	5	1	6		P		V1		80	6=						6*			LI	5M			
L					100			AP	9B												V1		42		Q1						<.		C+			X	
/	CAP	33.00	36.00	3.00	291			QZPP				SK		3	5	1	6		P		V5		40	6=						6(			LI	5M			
L					165			AP	9B												V1		68		Q1						<.		C+			X	
/	CAP	36.00	39.00	3.00	206			QZPP				SK		3	5	1	6		P		V1		52	6=		Q+				6(			LI	5M			
L					158			AP	8A																Q=						<.		C+			X	
/	FLT	38.10	39.00	0.90			X	FAUL											R							98											
L																																					
/		39.00	42.00	3.00	274			QZPP				SK		3	5	1	6		P		V2		20	6=		P+				6(			LI	5B			
L					130			AP	8A																Q+						<.		C(			X	
/	FLT	39.00	42.00	3.00			3	FAUL											R							G8											
L																																					
/	CAP	42.00	45.00	3.00	270			QZPP						3	5	2	6		P		V5		50	>2						6*			LI	5M			
L					127				9A												V5		55		Q2						<-		C)			X	
/	CAP	45.00	48.00	3.00	233			QZPP						3	5	2	6		P		V3		30	V1		Q)				6*			LI	5M			
L					176				9A												V5		15		Q2						<(		C)			X	
R		46.45	46.45	QZ-MO VEIN CUT BY BARREN QZ V.																																	
/	CAP	48.00	51.00	3.00	300			QZPP	FX			PP		3	5	2	6		P		V5		45	V1		Q)				6*			LI	5A			
L					67				9A												V2		55		Q3						<-		C*			V	
/	SUS	51.00	54.00	3.00	281			QZPP	FX			PP		3	5	2	6		P		V1		56	V=		Q+				6)			C(	5A			
L					65				9A												V5		60		Q2						<-		C-			X	
/	SUS	54.00	57.00	3.00	282			QZPP	FX			PP		3	5	2	6		P		V5		54	V=		00				6)			C(	5M			
L					16				9A												V1		67		Q3						<.		C.			5	
/		57.00	60.00	3.00	179			QZPP	FX			PP		3	5	2	6		P		V1		65	V1		00				6*			LI	5M			
L					32				9A												V2		55		Q3						<.		C*			V	
/		58.40	60.00	1.60			X	QZVN											R											V)							
L																															<-						
/		60.00	63.00	3.00	159			QZPP	FX					3	5	1	5		P		V5		50	V2		G)				6*				5M			
L					00				9A																Q1						<-					V	
/		63.00	66.00	3.00	254			QZPP	FX					3	5	1	5		P		V5		75	V1		00				6*				5B			
L					44				9A												V2		42		Q1						<-					X	
/		66.00	69.00	3.00	280			QZPP	FX					3	5	1	5		P		V1		32	V2		G)				6*			C(	5F			
L					110				9A												SH		50		Q=		<.				00		C.			V	

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       69.00    72.00  3.00 272        QZPP FX              3 5 1 5       P    V1     65 V1    00          6*       CI 5F
L                             29             9A                                              Q+                <,    C-      7

/       72.00    75.00  3.00 245        QZPP FX              3 5 1 5       P    V5     70 V2    00          6*          5A
L                             78             9A                                 V1     25    Q2                S-            X

/       75.00    78.00  3.00 290        QZPP FX       PP     3 5 1 5       P    V1     62 V1    00          6*          5F
L                             58             9U                                              E1                <,            X
R       75.00    78.00    FL PHENO'S PROMINENT AND MORE ABUNDANT THAN QZ PHENOS

/       78.00    81.00  3.00 265        QZPP FX       PP     3 5 1 5       P    V2     30 V=    00          6*          5F
L                             32             9U                                              E1                <,            X

/       81.00    84.00  3.00 286        QZPP FX              3 5 2 6       P    V3     40 V=                7*       CC 5B
L                             99             9B                                 V5     50    Q1                <-    V-      Y

/       84.00    87.00  3.00 281        QZPP FX              3 5 2 6       P    V1     37 V=                7)       00 5A
L                            133             6A                                 V5     80    Q4                <-    00      X

/       87.00    90.00  3.00 284        QZPP FX              3 5 2 6       P    V2     65 V=                7*       00 5F
L                             90             9B                                 V3     40    Q1                <-    00      X

/       90.00    93.00  3.00 300        QZPP FX              3 5 2 6       P    V5     75 V=                6*       00 5M
L                            101             9B                                 V3     32    Q3                <-    00      V

/ FLT   92.50    92.66  0.16          X FAUL                               R    SH     80       G5
L

/       93.00    96.00  3.00 263        QZPP FX              3 5 2 6       P    V5     26 V=                6*       CI 5L
L                             80             9B                                 V5     47    Q1                <,    C.      0

/       96.00    99.00  3.00 252        QZPP FX              3 5 2 6       P    V1     40 V+                6(       CC 5L
L                            173             9B                                 V3     40    E=                <-    V-      X
R       96.00    99.00    QZ-MB E'S WITH PY V'S, PY V CUT BY BARREN QZ V

/       99.00   102.00  3.00 300        QZPP FX              3 5 4 6       P    V2     50 V=                6*          5M
L                            171             9U                                 V5     43    Q2                <-            V

/      102.00   105.00  3.00 274        QZPP FX              3 5 4 6       P    V5     50 V=                6*          5M
L                            177             9U                                 V2     55    Q3                <(            V
R      102.80   102.81    5CM WIDE QZ-MO VEIN CUT BY QZ-PY V.

/      105.00   108.00  3.00 280        QZPP FX              3 5 4 6       P    V5     16 V=                V*          5M
L                             89                                                V2     40    Q3                <,            Y

/      108.00   111.00  3.00 293        QZPP FX              3 5 4 6       P    V2     22 V=                6*          5F
L                            128                                                V5     67    Q2                <,            Y

/      111.00   114.00  3.00 284        QZPP FX              3 5 4 6       P    V5     25 V=                6* B.       5F
L                            102                                                V5     30    Q3                <-            V
```

```
K  F  F R O M - T O -  I N T RECOV  MO X ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MD SL

/ FLT  113.30  113.50   0.20          X FAUL                               R    SH     85       G2          V2
L                                                                                                                            0

/      114.00  117.00   3.00  286       QZPP FX              3 5 4 6       P    V5     20 V=                 6(          5L
L                             150                                               V1     50    Q2               <-            Y

/      117.00  120.00   3.00  275       QZPP FX              3 5 4 6       P    V2     50 V=   00            6*          5L
L                              87                                                             Q2               <.            V

/      120.00  123.00   3.00  270       QZPP                               P    V5     45 51                 8+          5F
L                              63         AP 7A                                 V2     55    Q=               S(            Y

/      123.00  126.00   3.00  283       QZPP                               P    V5     45 51                 8+          5F
L                              47         AP 7A                                 V2     43    Q=               S-            Y

/      126.00  129.00   3.00  284       QZPP                               P    V2     65 51                 8+          5B
L                              17         AP 7A                                 V2     55    Q=               D.            Y

/      129.00  132.00   3.00  266       QZPP                               P    V5     45 51                 8+          5F
L                              56         AP 7A                                 V2     55    Q=               <-            Y
R      129.00  132.00      ABUNDANT SUB-PARALLEL QZ-MO MICROVEINS, BADLY BROKEN CORE 131 TO
R      129.00  132.00      132 M

/      132.00  135.00   3.00  248       QZPP                               P    V2     55 V=                 8+          5M
L                               0         AP 7A                                               Q1                            Y

/      135.00  138.00   3.00  210       QZPP                               P    V5     45 51                 8+          5B
L                                         AP 7A                                                                             V
R      137.16  138.00      LOST 80% OF CORE

/      138.00  141.00   3.00  274       QZPP                               P    V1     45 51                 8+          5F
L                              92         AP 7A                                 V3     35                                   Y

/      141.00  144.00   3.00  254       QZPP                               P    V2     55 V=                 6=          5B
L                              43         AP 7A                                 V3     60    Q1               <-            Y

/      144.00  147.00   3.00  258       QZPP                               P    V3     42 V=                 6=          5B
L                              29         AP 7A                                 V1     40    Q1               <-            Y

/      147.00  150.00   3.00  279       QZPP                               P    V2     55 V=                 6=          5B
L                              86         AP 7A                                 V3     60    Q1               <-            Y

/      150.00  153.00   3.00  295       QZPP                               P    V5     55 V=      F-         6= D.       5B
L                              31         AP 7A                                 V3     60    Q2               <-            Y

/      153.00  156.00   3.00  234       QZPP                               P    V5     30 V+                 6= 00       5B
L                              28         AP 7A                                 V3     60    Q1               S-            V

/      156.00  159.00   3.00  247       QZPP                               P    V1     60 V=   G*            6=          5M
L                              46         AP 6A                                 V3     60    Q3               <-            Y
```

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      156.00  159.00      CLAY GOUGE AT 156 TO 156.40M, FAULT ZONE?

/      159.00  162.00   3.00  257        QZPP           PP                  P    V3      60 V=                6=          58
L                              14          AP 6A                                 V1      40    Q2                <(             Y

/      162.00  165.00   3.00  258        QZPP           PP    2 5 1 5       P    V1      65 V=                61          58
L                              27          AP 6A                    0            V3      70    Q2                <.             V
R      162.00  165.00      ABUNDANT QZ AND FX PHENO., FX PHENO WX. TO CLAY

/      165.00  168.00   3.00  273        QZPP           PP                  P    V6      65 V+    G-          6=          58
L                              49          AP 6A                                 V1      55                                     X

/      168.00  171.00   3.00  247        QZPP           PP                  P    V5      65 V=                71          58
L                              36          AP 6A                                                                 S-             X

/      171.00  174.00   3.00  299        QZPP           PP                  P    V1      60 V)    F(          81          5F
L                              18          AP 6A                                               Q1                00             6
R      171.00  174.00      VERY BADLY BROKEN CORE

/      174.00  177.00   3.00  193        QZPP           PP                  P    V3      60 V=                6=          58
L                               0          AP 6A                                                                                7
R      174.00  177.00      VERY BADLY BROKEN CORE

/ FLT  177.00  180.00   3.00  290        QZPP           PP VG               P    V5      30 V=    G)          6=          58
L                               0          AP 6A                                                                 <-             X
R      179.00  180.00      ABUNDANT CLAY GOUGES, FAULT ZONE? WITH DISS. PY.

/      180.00  183.00   3.00  160        QZPP QZ KF     PP                  P    V1      45 V=    G)          8=          58
L                              15          AP 6A                                               Q2                <.             Y

/      183.00  186.00   3.00  298        QZPP QZ KF     PP                  P    V5      45 5=    G) F-       6=          58
L                              15          AP 6A                                 V1      45    Q2                <(             Y

/      186.00  189.00   3.00  260        QZPP QZ KF     PP                  P    V3      36 51    G)          8= D.       58
L                              34          AP 6A                                               Q=                <.             Y
R      186.00  189.00      ABUNDANT QZ-MO VEINS AND TR. OF MO MICROVEIN RIBBONS

/      189.00  192.00   3.00  262        QZPP QZ KF     PP                  P    V1      66 V=    G) <(       8= 00      ,58
L                              60          AP 6A                                                                 <.             X

/      192.00  195.00   3.00  289        QZPP QZ KF     PP                  P    V5      50 V1    G) F(       8=          5M
L                              66          AP 7A                                               Q+                   S=          Y
R      193.10  193.10      QZ-MO VEIN CUT BY LATE PY-QZ MICROVEIN, TR. OF CA IN FRCTS

/      195.00  198.00   3.00  261        QZPP QZ KF     PP    2 5 2 5       P    V5      40 V=    G)          8=          58
L                              00          AP 7A                    0                                                           Y
R      195.00  198.00      ABUNDANT QZ PHENO

/      198.00  201.00   3.00  293        QZPP           PP    2 5 1 5       P    V5      18 51       F)       <=          5M
L                              91          AP 7A                    0                          Q=                <-             Y

/      201.00  204.00   3.00  282        QZPP           PP    2 5 1 5       P    V5      50 51       F*       <=          5M
L                              78          AP 7A                    0                          Q=                <-             Y
```

```
K   F   F R O M - T O -  I N T RECOV   MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E  -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y   G                          R Q D   AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R        202.00  202.00        QZ-MO VEIN CUT BY QZ-PY VEIN

/        204.00  207.00   3.00  280       QZPP         PP    2 5 1 5      P    V5      65 51       F)       <=         5M
L                                17          AP 7A                             V1      50                                 Y

/        207.00  210.00   3.00  264       QZPP         PP    2 5 1 5      P    V3      50 5=       F)       <=         5M
L                                76          AP 7A                                                                        Y

/        210.00  213.00   3.00  255       QZPP                            P    V5      60 5=       F-       <=         5M
L                                44          AP 7A                                        Q+                <-            V

/ C/     211.60  213.00   1.40           4 MZPP      FX PP    2 5 4 5      R    C/      65 <)                6= D.      5M
L                                         4A    QZ        0                    V2      55 E. E+ Q=                S.      6
R        211.60  213.00        CONTACT ZONE NOT VERY SHARP, QZ,PF,CL PHENO. 2 TO 8MM

/        213.00  216.00   3.00  298       MZPP       FX PP    2 5 4 5      P    V2      40 <*                6=         5A 7T
L                                89       4A    QZ        0                             E+ Q= Q.                      0
R        213.00  216.00        PY AND/OR QZ VEINS HAVE PHYLLIC ENVELOPES, ALSO MINOR KF ENVELO-
R        213.00  216.00        PES

/        216.00  219.00   3.00  245       MZPP       FX PP    2 5 4 5      P    V1      30 <)       <-       6=         5B 7T
L                                65       4A                                                    O.                    2

/        219.00  222.00   3.00  275       MZPP       FX PP    2 5 4 5      P               <)    G* <)       6=         5L 7T
L                                23       4A    QZ        0                             E+ Q=                         1

/        222.00  225.00   3.00  263       MZPP       FX PP    2 5 4 5      P               <)    G* <)       6= D.      5L 7T
L                                23       4A    QZ        0                             E+ Q= Q-                      2
R        222.00  225.00        DISS. PY IS COMMON IN MAFICS

/ CNT    225.00  228.00   3.00  270       MZPP       FX PP VG 2 5 2 5      P    V1      35 <)    G* <)       6=         5L 00
L                                14       4A              0                    V3      65       Q*          <.            3
R        227.00  228.00        LOWER CONTACT ZONE WITH QZPP, MZPP IS MORE MASSIVE AND GRADES
R        227.00  228.00        INTO QZPP AT 229M.

/        228.00  231.00   3.00  249       QZPP QZ KF   PP                  P    V5      65 5+    G)                     5F
L                                46          AP 7A                                        Q)                <-            6

/ TRN    228.00  229.00   1.00           3 MZPP 00 00 FX PP                R    V2      65 5)    00 F*       6= D.
L                                         5A    QZ                                        E*                              0

/        231.00  234.00   3.00  260       QZPP         PP    2 5 2 5      P    V3      60 51       F*                  5F
L                                27          AP 7A        0                    V2      40    Q)             <(            Y
R        231.00  234.00        ABUNDANT QZ PHENO

/        234.00  237.00   3.00  285       QZPP         PP VG 2 5 2 5      P    V2      45 51       F*                  5F
L                                35          AP 7A                                                          <-            8

/        237.00  240.00   3.00  238       QZPP         PP    2 5 1 5      P    V5      65 51       F*       6= D.      5F
L                                52          AP 7A        0                                Q)             <(            Y
R        238.00  238.00        TR. OF DISS. CP IN QZ-MO-PY VEIN
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```
K  F   F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                           R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       240.00  243.00  3.00  294       QZPP           PP    2 5 1 5        P    V2       45 52       F*       6= D.       5F
L                              42         AP 7A                                  V3       30                                  Y

/       243.00  246.00  3.00  289       QZPP           PP    2 5 1 5        P    V2       55 51       F*       6= D.       5F
L                              17         AP 7A                                  V3       42                      <-          Y

/       246.00  249.00  3.00  274       QZPP           PP    2 5 1 5        P    V5       55 51       <)       6= D.       5B
L                              18         AP 8A                                              Q+                               Y

/       249.00  252.00  3.00  285       QZPP           PP    2 5 1 5        P    V5       50 51    G* F*       6+ D.       5F
L                               0         AP 8A                                                                   <.          Y

/       252.00  255.00  3.00  280       QZPP           PP    2 5 1 5        P    V3       68 51       F*       6= D.       5F
L                              19         AP 8A                                  V2       50                                  Y

/       255.00  258.00  3.00  245       QZPP           PP    2 5 1 5        P    V5       65 51    G) F*       6= D.       5F
L                               0         AP 8A                                                                   <-          Y
R       255.00  258.00      SULFIDE AND CLAY GOUGES ALONG SHEAR FRCTS

/ SH/   258.00  261.00  3.00  225       QZPP           PP    2 5            P    V5       45 51    G+ F*       <+          5M
L                               0         AP 7A                                              P+                   <(          Y
R       258.00  261.00      BADLY BROKEN CORE, INTENSELY FRACTURED (SHEAR) ZONE
R       258.05  258.06      MO RIBBONS IN QZ-PY VEIN

/ FLT   261.00  264.00  3.00  245       QZPP           PP    2 5            P    V1       75 5=    G+ F*       <+          5L
L                               0         AP 6A                                              Q)                   <.          Y
R       262.90  263.40      FAULT GOUGE

/       264.00  267.00  3.00  273       QZPP           PP    2 5            P    V3       47 51    G+ F*       6=          5M
L                               0         AP 6A                                  V1       50    Q+                <-          7
R       264.00  267.00      ABUNDANT SHEARED FRCTS, WITH SULFIDE (PY.) GOUGES

/       267.00  270.00  3.00  280       QZPP           PP    2 5            P    V5       45 51    G) F*       <+          5M
L                              59         AP 7A                                              Q=                               Y

/       270.00  273.00  3.00  280       QZPP           PP VG 2 5            P    V5       55 52    G+ F*       <+          5M
L                               0         AP 7A                                                                               Y

/       273.00  276.00  3.00  260       QZPP           PP    2 5            P    V2       55 51    G+ F*       <+          5M
L                              42         AP 7A                                                                   <.          Y

/       276.00  279.00  3.00  300       QZPP                 2 5 1 5        P    V3       53 V2       F*       6+          5L
L                             105         AP 8A                   0              V1       60    Q+                <-          Y

/       279.00  282.00  3.00  281       QZPP                 2 5 1 5        P    V3       53 V2    G. F*       6+          5L
L                             147         AP 7A                   0              V1       60    Q+                <.          Y

/       282.00  285.00  3.00  277       QZPP                                P    V5       50 V)    G=          67          5L
L                              99         AP                                                 Q+                   <.          Y

/ CNT   282.52  285.00  2.48          B TFXL                 2 5 7 5        R    V2       40          <*                   5T
L                                     HZ     2A               0              V1       35                      D.          X
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      282.52  282.52       GRADATIONAL CONTACT AT GOUGE ZONE

/      285.00  288.00   3.00  300        TFXL                               P    V5      52 V+                <+          7L
L                             131    HZ      AN 2A                               V1      45 E* E=    <)          <,            X

/      287.65  288.00   0.35           1 QZPP                               R    V5      40                                   5L
L                                               6A                                          00                                 Y

/      288.00  291.00   3.00  253        QZPP                 2 5 = 5       P    V2      70 52                <+          7L
L                             156    HZ      AN 6A                  0            V5      38 E* E=    <)          <,            Y

/ CNT  291.00  294.00   3.00  267        QZPP                               P    V3      45 V+                D)          7L
L                             129    HZ      AN 7A                               V1      45 E* E=    <)          <)            Y

/      291.27  292.66   1.39           4 TFXL                               R    V2      50 E*                            7L
L                                    HZ      AN 2A                                                               D.            7
R      293.00  293.20       MASSIVE MO-QZ VEINS, UP TO 10% MO LOCALLY, TR. CA IN QZ-MO VEINS

/      294.00  297.00   3.00  276        QZPP                               P               51                <)          5L
L                              70               7A                                             E*                <,            8

/      295.90  297.00   1.10           3 TFXL                               R    V2      45 5=       V)       <+          7T
L                                    HZ      AN 2A                                             E*                              X

/      297.00  300.00   3.00  300        LPTF                 3 6 2 7       P    V5      15 V1       <)                   7F
L                              99    HZ      AN 2A                  0                       E) E)       D)       S.            X

/      300.00  303.00   3.00  296        LPTF                 3 6 2 7       P    V5      65 V1       <)                   7F
L                             112    HZ      AN 2A                  0            V2      25 E) E)       D)       S-            X
R      300.00  303.00       QZ-PY VEINS HAVE KF ENVELOPES

/      303.00  306.00   3.00  259        LPTF                 3 6 2 7       P    BD      32 V=       <)                   7F
L                             201    HZ      AN 2A                               V5      30                      S.            0

/      306.00  309.00   3.00  298        LPTF                 3 6 2 7       P    V2      63 V1       <)                   7F
L                             160    HZ      AN                                  V6      30             D.       00            X

/      309.00  312.00   3.00  270        LPTF           MX    3 6 2 7       P    V6      35 V3       V)       V*          7F
L                              59            AN 2A                                             E)       D+                     Y
R      309.00  312.00       NUMEROUS SUB-PARALLEL QZ STRINGERS IN QZPP AND LPTF

/      310.50  311.72   1.22           X QZPP                               R               V3                <(
L                                                                                                                <,

/      312.00  315.00   3.00  300        LPTF           MX    3 6 2 7       P    SH      25 V3       V)       V)       GR 7F
L                             100    HZ                                                                          <,    G(      6

/      315.00  318.00   3.00  227        LPTF           MX    3 6 7 6       P    SH      65 V1                <(          7M
L                              85    HZ      AN 3A                                          E+    G*                           X

/ DYK  316.75  318.00   1.25           X QZPP                               R               V1                D. H.
L                                               8A                                                               <,
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WHITING CK. PORPHYRY MO-CU DEPOSIT

DRILLHOLE/TRAVERSE --- WCDH029 --- (CONTINUED)

```
K F   F R O M - T O -   I N T RECOV  MD X ROCK TM TM QM1 TX TX F C X M TFDM RT 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
F -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RW LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ DYK  318.00  321.00    3.00  285        QZPP                              P               V2
L                              18             8A                                                                <-            2

/ DYK  320.35  320.78    0.43           X MZPP           CM                 R                                 <)
L                                             3A                                                                00

/ DYK  321.00  324.00    3.00  266        QZPP                              P    V5      35 V2                6(
L                              67             8A                                                                <-            3

/ DYK  321.45  324.00    2.55           X MZPP                              R    CN     U55    O+    <*       <(
L                                             3A                                V1      35
R      321.45  325.88      MZPP POST QZ VEINING
R      321.45  321.45      MZPP LATER THAN QZPP AS SHOWN BY INCLUSIONS

/      324.00  327.00    3.00  247        MZPP           PP                 P    CN     857             D)    <(
L                             191             3A                                                 O/    G-                     4

/      325.88  327.00    1.12           X LPTF                              R    BD      25 V=          D) V- <* B,       7M
L                                    HZ    AN 3A                                V5      12 E+                   <-

/      327.00  330.00    3.00  299        LPTF                 3 6 7 6      P    V5      57 V1             V- <* <-       7M
L                             263    HZ    AN 3A                                V1      53 E+                   <-            7

/ DYK  330.00  333.00    3.00  289        MZPP           CM    4 5 2 6      P    V1      28    O)       D)    V* V*
L                             227                                                                      G(                     1

/      330.00  330.45    0.45           X LPTF                 3 6 7 6      R    V5      40 V1                V)          7M
L                                    HZ    AN                                              E+                   <-

/ DYK  333.00  336.00    3.00  292        MZPP           CM    4 5 2 6      P    V1      28    O)       D)    V* V*
L                             206                                                                      G(                     1

/      336.00  339.55    3.55  330        MZPP BI        EQ    5 5 3 6      P                  O)          V) 7)
L                             163             3A                                              P)                              3

/      336.26  336.63    0.37           X LPTF                              R    V5      55 V1                V/
L                                    HZ       3A

/      338.83  339.55    0.72           X LPTF                              R    V5      80 V=       <*       V)
L                                    HZ       3A
R      338.83  339.55      END OF HOLE
```

A	UMM				%CU	%MOS2	
A	LAB				MIN-EN	MIN-EN	
A	MTH				CHEM	CHEM	
A	TYP				H-CORE	H-CORE	
A	012	3.05	6.00	5195	.003	.053	.056
A	012	6.00	9.00	5196	.001	.022	.023
A	012	9.00	12.00	5197	.001	.015	.016
A	012	12.00	15.00	5198	.002	.028	.030
A	012	15.00	18.00	5199	.002	.017	.019
A	012	18.00	21.00	5200	.002	.013	.015
A	012	21.00	24.00	5201	.005	.012	.017
A	012	24.00	27.00	5202	.004	.010	.014
A	012	27.00	30.00	5203	.002	.015	.017
A	012	30.00	33.00	5204	.002	.017	.019
A	012	33.00	36.00	5205	.003	.020	.023
A	012	36.00	39.00	5206	.002	.025	.027
A	012	39.00	42.00	5207	.004	.027	.031
A	012	42.00	45.00	5208	.002	.042	.044
A	012	45.00	48.00	5209	.001	.043	.044
A	012	48.00	51.00	5210	.004	.020	.024
A	012	51.00	54.00	5211	.023	.020	.043
A	012	54.00	57.00	5212	.016	.027	.043
A	012	57.00	60.00	5213	.012	.070	.082
A	012	60.00	63.00	5214	.015	.085	.100
A	012	63.00	66.00	5215	.013	.030	.043
A	012	66.00	69.00	5216	.018	.007	.025
A	012	69.00	72.00	5217	.022	.010	.032
A	012	72.00	75.00	5218	.018	.013	.031
A	012	75.00	78.00	5219	.019	.018	.037
A	012	78.00	81.00	5220	.024	.013	.037
A	012	81.00	84.00	5221	.037	.027	.064
A	012	84.00	87.00	5222	.009	.038	.047
A	012	87.00	90.00	5223	.013	.027	.040
A	012	90.00	93.00	5224	.012	.037	.049
A	012	93.00	96.00	5225	.011	.020	.031
A	012	96.00	99.00	5226	.055	.032	.087
A	012	99.00	102.00	5227	.019	.027	.046
A	012	102.00	105.00	5228	.013	.032	.045
A	012	105.00	108.00	5229	.016	.013	.029
A	012	108.00	111.00	5230	.015	.017	.032
A	012	111.00	114.00	5231	.016	.023	.039
A	012	114.00	117.00	5232	.013	.018	.031
A	012	117.00	120.00	5233	.012	.017	.029
A	012	120.00	123.00	5234	.009	.023	.032
A	012	123.00	126.00	5235	.012	.027	.039
A	012	126.00	129.00	5236	.014	.032	.046
A	012	129.00	132.00	5237	.010	.022	.032
A	012	132.00	135.00	5238	.015	.010	.025
A	012	135.00	138.00	5239	.023	.012	.035
A	012	138.00	141.00	5240	.033	.017	.050
A	012	141.00	144.00	5241	.019	.020	.039
A	012	144.00	147.00	5242	.017	.013	.030
A	012	147.00	150.00	5243	.011	.017	.028
A	012	150.00	153.00	5244	.020	.015	.035

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	
A 012	153.00	156.00	5245	.022	.015	.037
A 012	156.00	159.00	5246	.015	.022	.027
A 012	159.00	162.00	5247	.022	.063	.085
A 012	162.00	165.00	5248	.013	.028	.041
A 012	165.00	168.00	5249	.016	.040	.056
A 012	168.00	171.00	5250	.030	.032	.062
A 012	171.00	173.00	5251	.014	.050	.064
A 012	173.00	177.00	5252	.012	.017	.029
A 012	177.00	180.00	5253	.006	.090	.096
A 012	180.00	183.00	5254	.019	.033	.052
A 012	183.00	186.00	5255	.028	.100	.128
A 012	186.00	189.00	5256	.017	.062	.079
A 012	189.00	192.00	5257	.017	.033	.050
A 012	192.00	195.00	5258	.051	.017	.068
A 012	195.00	198.00	5259	.031	.012	.043
A 012	198.00	201.00	5260	.049	.013	.062
A 012	201.00	204.00	5261	.016	.027	.043
A 012	204.00	207.00	5262	.020	.030	.050
A 012	207.00	210.00	5263	.052	.030	.082
A 012	210.00	213.00	5264	.072	.025	.097
A 012	213.00	216.00	5265	.069	.002	.071
A 012	216.00	219.00	5266	.031	.002	.033
A 012	219.00	222.00	5267	.028	.002	.030
A 012	222.00	225.00	5268	.023	.002	.025
A 012	225.00	228.00	5269	.048	.008	.056
A 012	228.00	231.00	5270	.031	.035	.066
A 012	231.00	234.00	5271	.019	.050	.069
A 012	234.00	237.00	5272	.022	.103	.125
A 012	237.00	240.00	5273	.019	.085	.104
A 012	240.00	243.00	5274	.068	.037	.105
A 012	243.00	246.00	5275	.024	.023	.047
A 012	246.00	249.00	5276	.018	.027	.045
A 012	249.00	252.00	5277	.026	.012	.038
A 012	252.00	255.00	5278	.011	.012	.024
A 012	255.00	258.00	5279	.024	.025	.049
A 012	258.00	261.00	5280	.014	.035	.049
A 012	261.00	264.00	5281	.043	.037	.080
A 012	264.00	267.00	5282	.034	.042	.076
A 012	267.00	270.00	5283	.016	.037	.053
A 012	270.00	273.00	5284	.018	.047	.065
A 012	273.00	276.00	5285	.019	.012	.031
A 012	276.00	279.00	5286	.010	.022	.032
A 012	279.00	282.00	5287	.007	.013	.020
A 012	282.00	285.00	5288	.031	.110	.141
A 012	285.00	288.00	5289	.013	.022	.035
A 012	288.00	291.00	5290	.010	.012	.022
A 012	291.00	294.00	5291	.013	.347	.360
A 012	294.00	297.00	5292	.010	.032	.042
A 012	297.00	300.00	5293	.014	.010	.024
A 012	300.00	303.00	5294	.020	.152	.172
A 012	303.00	306.00	5295	.020	.017	.037

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	
A 012	306.00	309.00	5296	.024	.013	.037
A 012	309.00	312.00	5297	.021	.010	.031
A 012	312.00	315.00	5298	.036	.043	.079
A 012	315.00	318.00	5299	.023	.028	.051
A 012	318.00	321.00	5300	.016	.065	.081
A 012	321.00	324.00	5301	.012	.003	.015
A 012	324.00	327.00	5302	.011	.013	.024
A 012	327.00	330.00	5303	.008	.030	.038
A 012	330.00	333.00	5304	.019	.005	.024
A 012	333.00	336.00	5305	.013	.002	.015
A 012	336.00	339.00	5306	.019	.010	.029
A 012	339.00	339.55	5307	.017	.027	.044

A UMM A LAB A MTH A TYP			PPB AG MIN-EN PCL-AA COMPOS	PPM AU MIN-EN ADR-AA COMPOS	PM WP MIN-EN COLOUR COMPOS	PM PB MIN-EN PCL-AA COMPOS	PPM ZN MIN-EN PCL-AA COMPOS	HASH
A 014	3.05	18.00	0.2	5	4	14	11	34.2
A 014	18.00	33.00	0.5	5	4	13	10	32.5
A 014	33.00	48.00	0.7	10	3	17	11	41.7
A 014	48.00	54.00	0.2	10	3	9	10	32.2
A 014	54.00	69.00	0.8	5	15	6	12	38.8
A 014	69.00	84.00	0.7	5	7	6	12	30.7
A 014	84.00	99.00	0.6	5	4	4	10	23.6
A 014	99.00	114.00	0.8	5	3	9	21	38.8
A 014	114.00	129.00	0.5	5	2	8	20	35.5
A 014	129.00	144.00	0.5	5	4	8	29	46.5
A 014	144.00	159.00	0.6	5	2	6	16	29.6
A 014	159.00	174.00	0.7	5	3	8	12	28.7
A 014	174.00	189.00	0.8	10	2	9	25	46.8
A 014	189.00	204.00	0.6	5	3	9	15	32.6
A 014	204.00	219.00	0.6	10	4	8	26	48.6
A 014	219.00	234.00	0.7	5	3	11	32	51.7
A 014	234.00	249.00	0.6	5	2	10	14	31.6
A 014	249.00	264.00	0.7	5	2	8	19	34.7
A 014	264.00	279.00	0.6	5	3	9	19	36.6
A 014	279.00	294.00	0.8	10	8	9	29	56.8
A 014	294.00	309.00	0.7	10	6	10	52	78.7
A 014	309.00	324.00	0.8	5	5	43	66	119.8
A 014	324.00	339.00	0.8	10	4	8	41	63.8
A 014	339.00	339.55	0.7	5	3	4	50	62.7

R SUM QZPP OCCURS FROM 3.05 TO 296M.MOLYBDENITE OCCURS THROUGHOUT THE

R SUM HOLE BUT APPEARS TO BE MOST ABUNDANT BETWEEN 80 AND 240M. ALT

R SUM IN QZPP CONSISTS OF PATCHY QZ-MS WHICH IS MOST INTENSE BETWEEN

R SUM 3.05 AND 180M. THE CONTACT WITH HAZELTON LPTF AT 296M IS MARKED

R SUM BY A ZONE OF INTENSE SUB-PARALLEL QZ VEINING. ALT. IN LPTF IS

R SUM CHARACTERIZED BY K-SPAR E'S WITH PY V'S.MZPP DYKES OCCUR BETWEEN

R SUM 212 TO 227M;320.4 TO 325.9M;AND 330.45 TO 336.26M. SIGNIFICANT

R SUM FAULTS OCCUR AT 38 TO 42M;92.5M;113.3 TO 113.5M;177 TO 180M

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                                  G E O L O G   E D I T   L I S T I N G                     SYSTEMS ENGINEERING BY
                                                                                       INTERNATIONAL GEOSYSTEMS CORP.

                                         SASKATCHEWAN MINING DEV. CORP.
                                       WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                                FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH030         COLLAR ELEVATION:      1602.00          AZIMUTH( DEG ) :  120.00        GEOLOGGED BY : DTC + RMC
TOTAL DEPTH/LENGTH :  291.09         NORTHING(- IF S):      3285.00          VERTICAL ANGLE :  -45.00        DATE (YY/MM/DD): 810700
CORE/HOLE DIAMETER :      NQ         EASTING (- IF W):      2525.00          CO-ORD SYSTEM  :   MAP          PROJECT NUMBER : 4942


                               SEQ. NO OF      LENGTH FROM COLLAR      AZIMUTH     VERT. ANGLE
                              SURVEY DATA        TO SURVEY POINT        ( DEG )      ( DEG )

                                   1                 120.90             112.00        -51.00
                                   2                 211.84             112.00        -49.00
                                   3                 291.08             112.00        -49.00

R HED                    DDH 30 COMMENCED ON 25 JULY, COMPLETED ON 1 AUG

   F   - I N T E R V A L -   CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY   O I       TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM    RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- O LC= 3     3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                         DESIG      VIR   COL            R D P C   L        STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2


/ OVB     0.00    3.50    3.50          OVER                                 F
R         0.00    3.50      CASING TO 3.01M

/ WTH     3.50    6.00    2.50  133     QZPP       QZ  PP VG 2 5 2 6         P                <1    G)           D*         LI 5L
L                                 0        AP 7A   FX                                             Q+                         C2        V
R         3.50    6.00      INTENSE WX AND LEACHING ZONE
R         3.50   12.00      BADLY BROKEN CORE

/ CAP     6.00    9.00    3.00  216     QZPP       QZ  PP VG 2 5 2 6         P    V6        45 <1    G)           D)         LI 5L
L                                 0        AP 7A                                                                                       V

/ CAP     9.00   12.00    3.00  210     QZPP       QZ  PP VG 2 5 2 6         P    V2        60 <1    G)           D*         LI 5L
L                                 0        AP 7A                                                                                       V

/ CAP    12.00   15.00    3.00  208     QZPP       QZ  PP VG 2 5 2 6         P    V6        48 <1    G)           D*         LI 5L
L                                 0        AP 7A                                                                                       V

/ CAP    15.00   18.00    3.00  228     QZPP       QZ  PP VG 2 5 2 6         P    V2        45 <2    G)           <)         LI 5L
L                                52        AP 7A                                                                                       Y

/ CAP    18.00   21.00    3.00  300     QZPP           PP    2 5 2 6         P    V6        40 <2                 <)         LI 5L
L                                32        AP 6A                 O                V1        50    Q*                         C1        Y
R        18.00   21.00      DECREASING WX AND LI-C

/        21.00   24.00    3.00  178     QZPP           PP    2 5 2 6         P    V3        60 <1                 <)         LI 5L
L                                 0        AP 7A                                  V6        43                       <.                Y
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G E O L O G                                    SASKATCHEWAN MINING DEV. CORP.
                                            WHITING CK PORPHYRY MO-CU DEPOSIT BC                                 PAGE - 2
                                        DRILLHOLE/TRAVERSE --- WCDH030 --- (CONTINUED)

K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       24.00   27.00   3.00  254        QZPP           PP    2 5 2 6       P    V6      35 V2                D+       LI 5L
L                             113          AP 6A                                 V5      48    Q)                <-            Y
R       24.00   27.00      ABUNDANT DISS. PY IN FRCTS. SUB-PARALLEL TO QZ-VEINS

/       27.00   30.00   3.00  274        APLT           PP    2 5 + 5       P    V3      35 42                <)       LI 5L
L                              27             7A                    0            V5      30                      <(            Y
R       29.80   29.95      MO AS SELVAGES AND MICROVEINS

/       30.00   33.00   3.00  270        APLT           PP    2 5 2 6       P    V5      30 <2    G-          <)       LI 5L
L                              60             7A                                 V6      55                      <-            Y

/       33.00   36.00   3.00  254        APLT           PP    2 5 2 6       P    V5      75 <2                <)       LI 5L
L                              26             7A                                 V1      65                            C2      Y

/       36.00   39.00   3.00  239        QZPP                 2 5 1 6       P    V5      48 V1                            5L
L                              32          AP 7A                    0            V6      47    Q)                <.            Y

/ DYK   36.45   36.80   0.35           ) MZPP KF PF           2 5 4 5       R    DT      48       O-          D+
L                                             4A                    0            DB      60    Q= O.                           Y
R       36.45   36.45      CONTACT MARKED BY QZ-MO VEIN
R       36.45   36.80      ABUNDANT PF PHENO. (1-4MM), F-GRAINED KF AND PF IN MTX
R       36.45   36.45      CONTACT MARKED BY QZ-MO VEIN

/       39.00   42.00   3.00  292        QZPP                 2 5 1 6       P    V3      35 42                D*
L                              29          AP 7A                    0                          Q+                <-            Y

/       42.00   45.00   3.00  267        QZPP                 2 5 1 6       P    V3      35 V1                D* D.
L                              48          AP 7A                    0                          Q+                <(            Y
R       42.00   45.00      ABUNDANT MO MICROVEINS (NOT ASSO. WITH QZ VEINS), COMMONLY CUT
R       42.00   45.00      BARREN QZ-V
R       42.07   42.08      TR. OF MZPP DYKE WITH ABUNDANT DISS. PY
R       44.30   44.35      TR. DISS. CP WITH PY VEIN (SER. E').

/       45.00   48.00   3.00  255        QZPP                 2 5 1 6       P    V6      55 42                D* 00
L                              51          AP 7A                                 V3      40                      <.            Y

/       48.00   51.00   3.00  245        QZPP                 2 5 1 6       P    V3      30 42                D)          5F
L                                          AP 7A                                               Q=                <-            Y
R       48.50   48.60      TR. OF MZPP DYKE AT 48.50
R       49.50   49.55      TR. DISS. VUG-FILLING MO

/       51.00   54.00   3.00  266        QZPP                 2 5 1 6       P    V5      55 42                D*
L                              21          AP 7A                                 V3      35                      <-            Y

/       54.00   57.00   3.00  290        QZPP                 2 5 1 6       P    V3      30 42                D*
L                                          AP 7A                                                                               Y
R       56.70   57.00      C/ ZONE, U-C/ DIPPING 75 DEGS

/ DYK   57.00   60.00   3.00  265        MZPP FX    HT        2 5 4 5       P              V)    G) <)        D*          7L
L                              43          DK 3A                    C                      E- Q) Q=              <-            3
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- --.--- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       57.00   60.00      PF AND MINOR QZ PHENO. IN KF AND CHLORITIZED-HB-BI GROUDMASS
R FLT   57.52   57.55      FAULT ZONE? CLAY GOUGE AND WX. FRCTS
R       57.52   57.55      QZPP WITH QZ-MO VEIN IN C/ WITH CROWDED MZPP

/ DYK   60.00   63.00   3.00  248        MZPP FX   BI        2 5 4 5      P    V1      70 <*    Q) <)       <)          7L
L                               0          DK 3A                                                            00            2
R       60.00   63.00      TR. KF ENVELOPES AROUND PY VEINS

/ DYK   63.00   66.00   3.00  270        MZPP FX   BI        2 5 4 5      P    V2      70 V)    F* <)       8)          7L
L                              22          DK 3A                                                                          0

/       66.00   69.00   3.00  288        MZPP                             P                <*    F* <)       8)          7L
L                                          DK 3A                                           E- Q) Q*

/ CNT   66.50   69.00   2.50           2 QZPP                2 5 1 6      R    V3      45 Q=                            5F
L                                          C/ 6A                   O           V1      60 00    00               <-           Y

/       69.00   72.00   3.00  270        QZPP                2 5 1 6      P    V6      65 41                D*          5F
L                              31          C/ 6A                   O           V3      40    Q)                  <.           Y

/ DYK   71.00   72.00   1.00           3 MZPP                             R    V1      55          F*       V+          7T
L                                          DK 3A                               DT      35                                     0

/       72.00   75.00   3.00  270        MZPP                             P    DB      30 <-    F( F*       V+          7T
L                              24          DK 3A                                           F- Q) Q+                           0

/       73.00   75.00   2.00           7 QZPP                             R    V3      60 41    00 F*       D-          5L
L                                          C/ 7A                               V6      40 00 Q* 00               <-           Y

/ CNT   75.00   78.00   3.00  240        QZPP                             P    V3      25 42                D.          5L
L                              14          AP 6A                               V6      35    Q*                  <.           Y

/ DYK   77.50   78.00   0.50           2 MZPP                             R    V1      48          F* D.    V)          7T
L                                             3A                                           E* E) Q*            00             1

/ TRN   78.00   81.00   3.00  265        MZPP PF KF BI       2 5 4 6      P                <.    G- V*       8)          7T
L                              73             3A                   C                          E) Q*                           Y
R       78.00   81.00      TR. OF ALTERED QZPP IN MZPP

/ TRN   81.00   84.00   3.00  277        QZPP                             P    V5      38 V1                <*          5L
L                              67             6A                               V1      65    Q*                  <-           Y

/ DYK   81.00   81.75   0.75           3 MZPP                             R    V1      75          F-       <)          7T
L                                             3A                                           E. E) Q*            00             9

/       84.00   87.00   3.00  224        QZPP                2 5 1 5      P    V6      20 V2       P)       D*          5T
L                               0             7A                   O                                         <.           2

/ TRN   87.00   90.00   3.00  255        QZPP                             P    V5      80 V1                D)          5L
L                               0             7A                                              Q*                  S.           2

/       88.50   90.00   1.50           6 MZPP                             R                V)    G+ <)       <)          6T
L                                             3A                                              E* Q-            00             1
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                               R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R        89.80     90.00        BI-FX PORP. DYKE CUS CROWDED MZPP DYKE
R        89.80     90.00        BADLY BROKEN CORE. SHEAR ZONE WITH ABUNDANT CLAY-GOUGES AND
R        89.80     90.00        SHEARED SULFIDE <.

/        90.00     93.00     3.00   200          MZPP                                      P     V2        65 <*         F+         <)            7T
L                                    32                3A                                                     E,  E)  Q*                                2
R        90.00    102.00        ABUNDANT DISS. PY IN BI-O, WELL DEVELOPED PHYLLIC E'

/        93.00     96.00     3.00   254          MZPP                                      P     V2        85 <*         F+         <)            7T
L                                    49                3A                                                     E-  E+                                    1

/ DYK    96.00     99.00     3.00   260          MZPP                                      P     V1        70 <(      G( <*         <)            7L
L                                    29                3A                                                     E*      Q-                                2

/ DYK    99.00    102.00     3.00   283          MZPP                                      P     V6        50 <(      G( F*         <)            7L
L                                    83                3A                                                     E*      Q-                                1

/ DYK   102.00    105.00     3.00   187          MZPP                                      P     V2        45 <(      G( <*         <)            7L
L                                    31                3A                                                     E*      Q-                                1

/ DYK   105.00    108.00     3.00   230          MZPP                                      P     V6        40 <(      G) <*         <)            7L
L                                    34                3A                                                     E*      Q-     <.                         1
R       106.00    106.40        INTENSELY SER. QZPP?

/ DYK   108.00    111.00     3.00   290          MZPP                                      P     V2        45 <(      G( <*         <)            7L
L                                   114                3A                                                                                               2

/ DYK   111.00    114.00     3.00   194          MZPP                                      P     V6        45 <(      G( OO         <) D.         7L
L                                    80                3A                                                                                               1

/ DYK   114.00    117.00     3.00   280          MZPP              VG                      P     V1        70 <(      G( F*         <)            7L
L                                    53                3A                                                     E)                       D-               1
R       114.00    117.00        TR. OF MO IN VUGS AND AS MICROVEINS

/ DYK   117.00    120.00     3.00   260          MZPP                                      P     V1        50 <(         <*         <+            7T
L                                    35                3A                                                     E,  E)  Q*                                2
R       117.00    120.00        INTENSE CHLORITIZATION OF BI

/ DYK   120.00    123.00     3.00   274          MZPP                                      P     V1        65 <(         <*         <+            7T
L                                    44                3A                                                     E*                                        1

/ DYK   123.00    126.00     3.00   270          MZPP                                      P     V2        75 <(         <*         <+            7T
L                                    86                3A                                                                                               2

/ DYK   126.00    129.00     3.00   277          MZPP                                      P     V2        55 <(         <*         <+            7T
L                                    74                3A

/ DYK   129.00    132.00     3.00   279          MZPP                                      P     V6        55 <(         <*         <+            7T
L                                    76                3A                                                         E+  E(                                2

/ DYK   132.00    135.00     3.00   275          MZPP                                      P     V1        35 <(                    <+            7T
L                                    98                3A                                                     E-  E+  E(                                1
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX  F C % M TFDM RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- --  - - - - ---- -- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX  S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      133.35  133.45      CONTACT ZONE

/ CNT  133.36  135.00   1.64           4 QZPP                               R    V3      45 V1                <)          5F
L                                          AP 6A                                            00 Q* 00             <-            V

/ TRN  135.00  138.00   3.00  285        QZPP           VG     2 5 1 6      P    V3      75 42    C- F-       <)          5F
L                             125          AP 6A                     0           V5      70    Q*                <)            X

/      138.00  141.00   3.00  273        QZPP           VG     2 5 1 6      P    V5      42 42    C- F-       <)          5F
L                             153          AP 7A                     0           V5      70    Q*                <-            V

/      141.00  144.00   3.00  272        QZPP           VG     2 5 2 6      P    V5      65 <1    C- 00       <)          5F
L                             149          AP 7A                     0           V3      30    Q+ Q.             <(            X
R      141.00  144.00      MO MICROVEINS CUT QZ-MO VEINS AND QZ-VEINS

/      144.00  147.00   3.00  249        QZPP           VG     2 5 1 6      P    V3      30 42    G- F-       <) D.       5F
L                              59          AP 7A                                 V2      30                                    X

/      147.00  150.00   3.00  242        QZPP           VG     2 5 1 6      P    V6      48 42    00 F*       <) 00       5F
L                               0          AP 7A                                 V3      30                                    V

/ DYK  149.45  149.90   0.45           2 BFPP           BI     2 5 3 6      R    DT      50 00                <*
L                                             4A        PF           0           DB      50       Q*             00            4

/ DYK  150.00  153.00   3.00  298        MZPP           VG                  P    V1      55 V) Q-    C- V*    <) D-       7F
L                             122             3A                                 V6      60 E)       Q.                        Y

/      150.00  150.30   0.30           ) QZPP                               R                                 <*          5F
L                                          AP 7A                                               Q)                <.            4
R      150.00  153.00      MG-PY VEIN WITH TR. OF CP. MG -VEIN DIPS 35 DEGS
R      150.30  153.00      DISS. PY ENCRUSTING BI-XLS.

/      153.00  156.00   3.00  239        MZPP                               P               V*          D.    <)          7F
L                             109             3A                                 DB      30 E)    Q-
R      153.00  153.20      QZPP WITH MO-MICROVEINS

/ CNT  154.50  156.00   1.50           5 QZPP                  2 5 3 6      R    V3      43 <1       F-       <*          5L
L                                          AP 6A                     0                         Q(                <-            4

/      156.00  159.00   3.00  280        QZPP                               P    V3      40 <2       <(       <*          5L
L                              78          AP 7A                                               Q*                <-            Y

/      159.00  162.00   3.00  235        QZPP                               P    V3      44 <1    G+ F(       <*          5F
L                              47          AP 7A                                 V6      20    Q)                <-    $-      Y
R SH/  160.70  161.00      TR. GRAPHITE GOUGE IN CLAY-CB GOUGE ZONE

/      162.00  165.00   3.00  246        QZPP                  2 5 1 6      P    V1      40 <2       <(       D*          5L
L                              47          AP 7A                     0           V3      36    E+                              Y

/      165.00  168.00   3.00  264        QZPP                               P    V1      48 <=       <(       <*          5L
L                              39          AP 6A                                 V3      25                                    V
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK 1M TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      168.00  171.00   3.00  243        QZPP                               P    V3     80 <2    00 <(       <*          5L
L                              44          AP 6A                                 V5     40                      <(            V

/      171.00  174.00   3.00  250        QZPP                               P    V3     70 <2    G+ <(       D*          5L
L                              26          AP 6A                                 V6     60    Q)                <-            X
R      172.70  172.80      FAULT ZONE?

/      174.00  177.00   3.00  259        QZPP                 2 5 1 5       P    V6     65 <=       F-       D*          5L
L                              35          AP 6A                    0            V3     70    Q+                <.            X

/      177.00  180.00   3.00  270        QZPP              VG 2 5 1 5       P    V6     65 <+       <-       D*          5F
L                              96          AP 6A                    0            V3     70    E=                D.            5
R      179.90  179.90      TR. OF QZ AND PY CRYSTALS (1 TO 3MM) IN VUGS

/ CNT  180.00  183.00   3.00  252        QZPP                               P    V3     73 <=       <-       <) D.       5F
L                              26          AP 6A                                 V2     43    Q+ Q-             <-            X
R      182.72  186.00      PF- PHENO IN CROWDED MZPP ARE INTENS. SER. .ABDT. KF-E' W/ PY-V.

/ DYK  182.77  183.00   0.23           X MZPP                               R    DT     55 <-                            7L
L                                             3A                                           E* Q1 Q+    D.       D.            0

/ DYK  183.00  186.00   3.00  272        MZPP                               P    V2     47 <-                   D.       7F
L                              26             3A                                           E) Q= Q+    D-       D.            2

/ TRN  184.57  186.00   1.43           5 QZPP                               R    V3     30 <=                            5L
L                                          AP 6A                                              Q+ Q.    00       <-            6

/      186.00  189.00   3.00  270        QZPP                               P    V3     46 <=                <* D.       5L
L                                          AP 6A                                              Q+                <-            X

/ CNT  186.20  187.65   1.45           5 TFXL                 2 5 + 5       R    CT     73 <-       <)          00       5T
L                                    HZ                             0            CB     70    E+                00            2
R      186.20  187.65      1 TO 4 MM, PF-X ARE WELL-PRESERVED
R      188.60  188.70      TR. MZPP-DYKE, C/ DIPPING 70 DEGS

/      189.00  192.00   3.00  300        QZPP                               P    V3     85 <+       <)       <*          5L
L                              54             6A                                 V1     50    Q+                S-            0

/ DYK  190.40  190.60   0.20           = MZPP                               R
L                                             3A                                              Q= Q(

/ SH/  192.00  195.00   3.00  260        QZPP                               P    V1     50 <+    G) F*       <)          5L
L                              38                                                                      F.       <.            4

/      195.00  198.00   3.00  275        QZPP                 2 5 1 5       P    V1     40 <)       F(       <)          5L
L                              59          AP 7A                    0            V3     25    Q=                <.            3
R      195.00  198.00      PY-MICROVEINS HAVE WELL-DEV. PHYLLIC-E'

/      198.00  201.00   3.00  240        QZPP                 2 5 1 5       P    V3     52 <)       <*       <)          5L
L                              88          AP 7A                                              Q+                <(            7
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```
K  F  F R O M - T O -  I N T RECOV  MO X ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      201.00  204.00   3.00  210        QZPP                 2 5 1 5       P    V1      45 <)    G) F(       <)          5L
L                               0          AP 7A                                 V3      47                      <-             7
R      201.00  204.00      PY-< CUTS MO-<

/      204.00  207.00   3.00  227        QZPP                 2 5 1 5       P    V6      55 <)         F(       <)          5L
L                               0          AP 7A

/ SH/  207.00  210.00   3.00  215        QZPP              VG 2 5 1 5       P    V3      60 <+    G+ <)       <)          5L
L                              22          AP 7A                                               Q=                <(             X
R      208.00  210.00      BADLY BROKEN CORE, ABDT., CLAY & SULFIDE GOUGES

/      210.00  213.00   3.00  230        QZPP                 2 5 1 5       P    V2      60 <)         F(       <) D.       5L
L                              37          AP 7A                                                                 <-             X

/ FLT  213.00  216.00   3.00  274        QZPP FX                                P    V5      65 <+    G+ F)       <*          5L
L                               0          AP 9R                                               Q)                <.             7
R      215.00  215.49      FAULT ZONE

/ FLT  216.00  219.00   3.00  222        QZPP FX                                P    F/      55 <+    G) F)       <)          5L
L                              29          AP                                    V5      55                      <-             V
R      217.20  217.23      FAULT GOUGE! ABDT, CA & WX-SULFIDES, BADLY BROKEN CORE

/      219.00  222.00   3.00  274        QZPP FX                                P    SH      67 V)    G) <)       7) B=       5F
L                             112                                                V3      18    Q=                <-             2

/ FLT  222.00  225.00   3.00  267        QZPP FX                                P    SH      80 V+    G+ <)       7) B.       5F
L                              18                                                V3      80    Q!                <(             4
R FLT  223.42  225.00      FAULT ZONE, ROCK BADLY BROKEN

/      225.00  228.00   3.00  270        QZPP FX                                P    V3      35 V+    G+ F)       7*          5F
L                              46                                                V5      25    Q1                <-             5

/      225.00  228.00   3.00           = PPFL            PP   4 5 1 6       R
L                                             2A                                                  P=

/      228.00  231.00   3.00  300        QZPP FX                                P    V5      32 V=    G+ F)       6)          5F
L                              54                                                V2      45                      <(             8

/      231.00  234.00   3.00  277        QZPP FX                                P    V5      35 V+    G+ F)       6* B.       5F
L                              94                                                V3      60    Q=                <(             5
R      232.00  232.00      QZ-MO V CUT BY QZ-PY V.

/      234.00  237.00   3.00  277        QZPP FX              2 5 = 6       P    V3      60 V=       V*       6* V.       3B
L                              63             2R                                 V5      50    E=                <9             4
R      234.00  237.00      MS F'S WITH PY V'S

/      237.00  240.00   3.00  291        QZPP FX              2 5 = 6       P    V3      45 V=       V*       6* <(       5L
L                             166             2R                                 V5      60    E+                <(             0

/ CNT  239.54  240.00   0.46           X M7PP BI        EQ                  R    V7      40             D)    6) <*       7L
L                                             3A                                            E*                   <.
```

K E Y	F L G	FROM	TO	INT	RECOV / R Q D	MO / AGE	% / EV	ROCK / RO	TM / LC	TM / TM	QM1 / QM2	TX / TX	TX / TX	F / S	C / R	% / S	M / O	TFDM / SML	RI	1 / 2	ID / ID	AZM / AZM	DIP / DIP	QZ / KF	BI / MU	CY / CL	CB / EP	MG / HE	GY / XX	PY / PR	CP / MO	GL / SL	YY	F	I	Z	I
R		239.54	239.54	GRADATIONAL CONTACT OVER 25 CM.																																	
/		240.00	243.00	3.00	300			MZPP	BI			EQ			5				P		V7		40					D)	V*	6)	V*						
L					156				3A												V1		50	E*	E)						<.					0	
/		243.00	246.00	3.00	300			MZPP	BI			EQ			5				P		V1		50					D)	V*	6*	V(						
L					138				3A												V1		50	E*	E)						<.					0	
/		246.00	249.00	3.00	296			MZPP	BI			EQ			5				P		V7		45					D)	V*	6)	<*			5L	7L		
L					258				3A												V1		40	E)	E)						00					0	
R		246.00	249.00	K-SPAR E'S WITH CP V'S. CP V'S CUT BY PY-QZ-MS V'S																																	
/		249.00	252.00	3.00	297			MZPP	BI			EQ			5				P		V5		60	V.				D)	V*	6)	V*						
L					236																V7		55	E+	E)						<.					0	
/		252.00	255.00	3.00	289			MZPP	BI			EQ			5				P		V7		55					D)	V*	6)	V*			7F	5F		
L					146				3A												V1		50	E+	E)											0	
/		252.73	252.98	0.25			X	FAUL											R		SH		80			G1											
L																																					
/		255.00	258.00	3.00	295			MZPP	BI			EQ			5				P		V1		40					D)	V*	6)	V*			7F	5F		
L					244				3A												V1		50	E+	E)											0	
/		258.00	261.00	3.00	288			MZPP	BI			EQ			5				P		V8		37					D)	V*	<+	V*			7F	5F		
L					275				3A												V1		50	E=	00						<.					0	
/		261.00	264.00	3.00	300			MZPP	BI			EQ			5				P		V1		60					D)	00	<+	<(			7L	5F		
L					249				3A												V7		30	E+	00											0	
/		264.00	267.00	3.00	284			MZPP	BI			EQ			5				P		V7		35					D)	V*	<+	V*			7L	5F		
L					256				3A												V7		40	E+	E)						<)					0	
/		267.00	270.00	3.00	283			MZPP	BI			EQ			5				P		V2		35					D)	V*	6)	<-			7L	5F		
L					155				3A												V1		50	E+	E)						D.					0	
/		270.00	273.00	3.00	284			MZPP	BI			EQ			5				P		V1		45					D)	V*	6)	<-			7F	5F		
L					153				3A												V1		50	E)	E)						D.					1	
/		273.00	276.00	3.00	296			MZPP	BI			EQ			5				P		V1		45					D)		<*	<(			7L			
L					166				2A															E)			O.				<.					0	
R		273.00	285.00	TRACE OF EP WITH K-SPAR E'S ADJACENT TO CP V'S																																	
/		276.00	279.00	3.00	298			MZPP	BI			EQ			5				P		V1		45				<-	D)	V(	<)	<(			7L			
L					130																			E)		S(	O.				<.						
/		279.00	282.00	3.00	266			MZPP	BI			EQ			5				P		V1		45					D)		<*	<(			7L			
L					105																							G.								0	
/		282.00	285.00	3.00	261			MZPP	BI			EQ			5				P		V1		45				G)	D)		<)	<(			7L			
L					55																			E)		S(	F.	G(			<(					0	

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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R FLT  283.00  285.00      CORE BADLY FRACTURED-STEEP FAULT

/      285.00  288.00   3.00  300        MZPP BI        EQ      5           P    V1      40          <( D)    V* <(       7L
L                              27                                                           E* E*    00 G.       00            0

/      288.00  291.09   3.09  271        MZPP BI        EQ      5           P    V1      45 V(          D)    6* <.       7L
L                              37                                                           E*    V( 00                        0
```

				%CU	%MOS2
A UMM				MIN-EN	MIN-EN
A LAB				CHEM	CHEM
A MTH				H-CORE	H-CORE
A TYP					
A 012	3.50	6.00	5308	.011	0937
A 012	6.00	9.00	5309	.009	.043
A 012	9.00	12.00	5310	.009	.050
A 012	12.00	15.00	5311	.011	.028
A 012	15.00	18.00	5312	.005	.067
A 012	18.00	21.00	5313	.002	.063
A 012	21.00	24.00	5314	.006	.050
A 012	24.00	27.00	5315	.014	.060
A 012	27.00	30.00	5316	.011	.307
A 012	30.00	33.00	5317	.028	.090
A 012	33.00	36.00	5318	.020	.117
A 012	36.00	39.00	5319	.009	.153
A 012	39.00	42.00	5320	.005	.093
A 012	42.00	45.00	321	.027	.193
A 012	45.00	48.00	5322	.017	.103
A 012	48.00	51.00	5323	.032	.197
A 012	51.00	54.00	5324	.015	.100
A 012	54.00	57.00	5325	.027	.133
A 012	57.00	60.00	5326	.033	.038
A 012	60.00	63.00	5327	.021	.005
A 012	63.00	66.00	5328	.019	.002
A 012	66.00	69.00	5329	.038	.093
A 012	69.00	72.00	5330	.025	.040
A 012	72.00	75.00	5331	.026	.063
A 012	75.00	78.00	5332	.024	.002
A 012	78.00	81.00	5333	.015	.078
A 012	81.00	84.00	5334	.054	.055
A 012	84.00	87.00	5335	.017	.033
A 012	87.00	90.00	5336	.047	.022
A 012	90.00	93.00	5337	.023	.002
A 012	93.00	96.00	5338	.030	.002
A 012	96.00	99.00	5339	.020	.002
A 012	99.00	102.00	5340	.033	.003
A 012	102.00	105.00	5341	.037	.002
A 012	105.00	108.00	5342	.047	.002
A 012	108.00	111.00	5343	.041	.002
A 012	111.00	114.00	5344	.065	.013
A 012	114.00	117.00	5345	.095	.023
A 012	117.00	120.00	5346	.052	.003
A 012	120.00	123.00	5347	.047	.005
A 012	123.00	126.00	5348	.054	.005
A 012	126.00	129.00	5349	.042	.002
A 012	129.00	132.00	5350	.039	.002
A 012	132.00	135.00	5351	.045	.097
A 012	135.00	138.00	5352	.018	.224
A 012	138.00	141.00	5353	.008	.098
A 012	141.00	144.00	5354	.012	.122
A 012	144.00	147.00	5355	.035	.183
A 012	147.00	150.00	5356	.040	.160
A 012	150.00	153.00	5357	.151	.028

WHITING CK PORPHYRY MO-CU DEPOSIT BC
DRILLHOLE/TRAVERSE --- WCDH030 --- (CONTINUED)

				%CU	%MOS2
A UMM					
A LAB				MIN-EN	MIN-EN
A MTH				CHEM	CHEM
A TYP				H-CORE	H-CORE
A 012	153.00	156.00	5358	.032	.073
A 012	156.00	159.00	5359	.021	.048
A 012	159.00	162.00	5360	.018	.058
A 012	162.00	165.00	5361	.029	.033
A 012	165.00	168.00	5362	.024	.080
A 012	168.00	171.00	5363	.023	.112
A 012	171.00	174.00	5364	.033	.152
A 012	174.00	177.00	5365	.023	.078
A 012	177.00	180.00	5366	.007	.015
A 012	180.00	183.00	5367	.018	.060
A 012	183.00	186.00	5368	.054	.060
A 012	186.00	189.00	5369	.060	.027
A 012	189.00	192.00	5370	.061	.280
A 012	192.00	195.00	5371	.097	.102
A 012	195.00	198.00	5372	.056	.045
A 012	198.00	201.00	5373	.037	.060
A 012	201.00	204.00	5374	.034	.085
A 012	204.00	207.00	5375	.043	.162
A 012	207.00	210.00	5376	.035	.117
A 012	210.00	213.00	5377	.038	.082
A 012	213.00	216.00	5378	.029	.103
A 012	216.00	219.00	5379	.044	.060
A 012	219.00	222.00	5380	.053	.033
A 012	222.00	225.00	5381	.056	.052
A 012	225.00	228.00	5382	.070	.035
A 012	228.00	231.00	5383	.065	.085
A 012	231.00	234.00	5384	.063	.133
A 012	234.00	237.00	5385	.124	.065
A 012	237.00	240.00	5386	.111	.090
A 012	240.00	243.00	5387	.115	.005
A 012	243.00	246.00	5388	.080	.010
A 012	246.00	249.00	5389	.142	.015
A 012	249.00	252.00	5390	.112	.017
A 012	252.00	255.00	5391	.120	.005
A 012	255.00	258.00	5392	.054	.003
A 012	258.00	261.00	5393	.071	.013
A 012	261.00	264.00	5394	.064	.003
A 012	264.00	267.00	5395	.072	.007
A 012	267.00	270.00	5396	.092	.005
A 012	270.00	273.00	5397	.032	.005
A 012	273.00	276.00	5398	.018	.003
A 012	276.00	279.00	5399	.034	.007
A 012	279.00	282.00	5400	.031	.003
A 012	282.00	285.00	5401	.036	.007
A 012	285.00	288.00	5402	.018	.003
A 012	288.00	291.08	5403	.025	.003
R ASY	3.50	291.08	AVE. CU= .041 % ; AVE. MOS2= .060 % .		
R ASY	3.50	60.00	AVE. CU= .010 % ; AVE. MOS2= .101 % .		
R ASY	60.00	87.00	AVE. CU= .028 % ; AVE. MOS2= .055 % .		
R ASY	132.00	240.00	AVE. CU= .046 % ; AVE. MOS2= .092 % .		

A UMM				PPB AG	PPM AU	PPM W	PPM PB	PPM ZN		
A LAB				MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN		
A MTH				PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA		
A TYP				COMPOS	COMPOS	COMPOS	COMPOS	COMPOS		
A 014	3.50	18.00	0.5	5	18		8	9		40.5
A 014	18.00	33.00	0.5	10	22		6	6		44.5
A 014	33.00	48.00	0.4	10	20		4	5		39.4
A 014	48.00	63.00	7.3	5	25		36	32	1	05.3
A 012	63.00	66.00	0.7	5	4		4	24		37.7
A 014	66.00	81.00	0.7	10	4		8	32		54.7
A 014	81.00	96.00	0.6	5	3		7	34		49.6
A 014	96.00	111.00	1.0	5	2		10	33		51.0
A 014	111.00	126.00	1.0	10	2		2	34		39.0
A 014	126.00	141.00	0.2	5	2		10	29		46.4
A 014	141.00	156.00	0.4	15	2		12	32		61.2
A 014	156.00	171.00	0.2	5	4		9	34		52.5
A 014	171.00	186.00	1.5	5	3		33	36		78.8
A 014	186.00	201.00	0.8	5	9		13	32		59.7
A 014	201.00	216.00	0.7	10	3		9	29		51.8
A 014	216.00	231.00	0.8	5	4		10	36		45.2
A 014	231.00	246.00	1.2	35	2		11	42		90.1
A 014	246.00	255.00	1.1	5	3		12	44		65.1
A 014	255.00	271.00	0.9	5	3		12	33		53.9
A 014	271.00	286.00	0.6	5	2		6	23		36.6

R SUM CORE CONSISTS OF AP QZPP WITH MODERATELY ABUNDANT QZ-MO VEINS.

R SUM QZ-MO VEINS GENERALLY APPEAR TO BE MORE ABUNDANT WHERE THERE

R SUM IS PATCHY QZ-MS ALTERATION. SEVERAL MZPP DYKES-SOME UP TO 40M

R SUM ACROSS CUT THE QZPP. QZ VEINING IN MZPP IS GENERALLY ABSENT;

R SUM PY V'S AVERAGE 1% OR LESS AND MAY CONTAIN MINOR CP. THE LAST

R SUM 51M OF CORE CONSISTED OF MZPP-ALTHOUGH THE PORPHYRITIC TEXTURE

R SUM IS WEAK, THIS ROCK MAY BE A BORDER PHASE OF THE WHITING CK STOCK

R SUM CP AND MINOR MOS2 ARE OBSERVED FOR ABOUT 20M INTO THE MZPP BODY.

R SUM SIGNIFICANT FAULTS OCCUR AT 90 TO 92M; 192 TO 195M; 208 TO 210M;

R SUM 215 TO 217M; 223 TO 225M; AND 283 TO 285M

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                                 G E O L O G   E D I T   L I S T I N G                 SYSTEMS ENGINEERING BY
                                                                                   INTERNATIONAL GEOSYSTEMS CORP.

                                   SASKATCHEWAN MINING DEV. CORP.
                                  WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                              FORMAT VERSION : 6B02

DRILLHOLE/TRAVERSE : WCDH031       COLLAR ELEVATION:     1602.00       AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  197.21       NORTHING(- IF S):     3285.00       VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810800
CORE/HOLE DIAMETER :      NQ       EASTING (- IF W):     2525.00       CO-ORD SYSTEM  :    MAP         PROJECT NUMBER :    4942

                         SEQ. NO OF      LENGTH FROM COLLAR     AZIMUTH    VERT. ANGLE
                        SURVEY DATA       TO SURVEY POINT       ( DEG )      ( DEG )

                             1                 197.20             0.00        -89.00

R HED                   DDH 31 COMMENCED ON AUG 1, COMPLETED ON AUG 4

  F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =    .  DEC.PLACE)RECUV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MT=METRIC FT=FOOTRIC)  ERY     O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                          ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                          QUAL   AGE EN- Q LC- 3     3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1  1
Y G                          DESIG      VIR  COL          R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2  2


/ OVR     0.00    3.05   3.05           OVER                           P
L

/ CAP     3.05    6.00   2.95  241      QZPP           PP BW 3 5 1 6   P                V=             V-     LI 5L
L                                14       AP 7A                                            Q= C+                C+      X

/ CAP     6.00    9.00   3.00  290      QZPP           PP BW 3 5 1 6   P                V3             V-     LI 5L
L                                55       AP 5U                                            Q= C+                W)      X

/ CAP     9.00   12.00   3.00  298      QZPP           PP BW 3 5 1 6   P                V2             V(     LI 5F
L                               100       AP 7A                                            Q= C+            V-  C*      V
R         9.00   12.00      2-4MM PATCHES OF LIGHT PINK MINERAL IN QZ-MS ALTERED AREAS-
R         9.00   12.00      POSSIBLY ALUNITE(?)

/ CAP    12.00   15.00   3.00  282      QZPP           PP BW 3 5 1 6   P                V2             V(     LI 5L
L                                46                                                         Q+              V.  C)      8

/ CAP    15.00   18.00   3.00  283      QZPP           PP BW 3 5 1 6   P                V2    G*       00     LI 5L
L                                59          5U                                                                 W+      X
R        15.00   18.00      INTENSE LEACHING

/ TRN    18.00   21.00   3.00  298      QZPP           PP BW 3 5 1 6   P     V1      70 V3             V(     LI 5H
L                               138                                                         Q1              V-  C*      Y
R        18.00   21.00      MINOR CV COATING PY IN VUGGY QZ V'S

/        21.00   24.00   3.00  260      QZPP                 3 5 1 6   P     V1      70 V3             V-     LI 5F
L                                38       AP 7A                                             E+                  C*      Y

/        22.92   24.00   1.08        X PPAN HB               4 5 3 6   R     CN     U60       G+              LI
L                                            5A                              SH      85                        C)      0
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 K  F  F R O M - T O -  I N T RECOV  MO X ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
 E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
 Y  G                            R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

 R       22.92   26.21      ROCK IS EXTREMELY WEATHERED AND CRUMBLY
 R       22.92   29.26      FAULT AND SHEAR ZONE. PPAN DYKE INTRUDED ALONG FAULT

 / FLT   24.00   27.00   3.00  240        PPAN HB              4 5 3 6         P                       P=                    LI
 L                               17            5A                                                                           C*       0

 /       26.21   27.00   0.79           X QZPP                 3 5 1 6         R    V1      80 V3                     V(     LI 5F
 L                                             7A                                              Q=                       B.  C*       V

 / FLT   27.00   30.00   3.00  300        QZPP                 3 5 1 6         P    SH      90 74                     V*     LI
 L                               41            7A                                                                           C)       X

 / DYK   29.26   30.00   0.74           X PPOR FL HB           4 5 3 6         R                                             LI
 L                                             3A                                                                           C(       0

 / DYK   30.00   33.00   3.00  256        PPOR FL HB           4 5 3 6         P                                      V(     LI
 L                               36            3A                                                                           C-       0

 /       32.00   33.00   1.00           / QZPP                 3 5 2 6         R               V2                     6(     LI 5L
 L                                          AP 9R                                              Q)                       <-  C(       V
 R       32.00   33.00      CONTACT WITH MZPP IS STEEPLY DIPPING AND IRREGULAR

 /       33.00   36.00   3.00  260        QZPP                 3 5 2 6         P               V3                     6(     LI 5L
 L                               16         AP 9R                                              Q)                       <(  C(       Y

 / DYK   36.00   39.00   3.00  270        MZPP BI                5             P    V1      55 V(             D*      6*     LI
 L                               31            5A                                              E*                           C(       0

 /       36.00   36.16   0.16           / QZPP                 3 5 2 6         R    V1      70 V5                     6) D.  LI
 L                                             9A                                                                  D.       C)       4

 / FLT   39.00   42.00   3.00  260        MZPP BI                5             P    SH      90 V(     G)      D*      6(     LI
 L                               14            5A                                              E*                           C(       0

 /       42.00   45.00   3.00  271        MZPP BI              4 5 5           P    SH      75                D)      V(
 L                              119            5A                                           O( E( G* D.                              0

 /       45.00   48.00   3.00  262        MZPP BI              4 5 5           P    SH      85 V(     G+ V* D)        6* <-
 L                              158            5A                                           00 00 00 00                              1
 R FLT   47.50   51.00      FAULT ZONE-CORE BADLY BROKEN, NUMEROUS STEEP SHEARS,CL+CY ALT.
 R       47.50   51.00      SLICICKENSIDES ARE SUB-HORIZONTAL

 / FLT   48.00   51.00   3.00  230        MZPP BI              4 5 5           P    SH      90        G+ G) D)        6*
 L                               00                                                         00 00 00 00                              0

 /       51.00   54.00   3.00  270        MZPP BI              4 5 5           P    SH      85                D)      <-     CI
 L                               36                                                         00 00 00 00                     C-       0

 /       54.00   57.00   3.00  300        MZPP BI              4 5 5           P    V1      65 V-     G- D)           6( D.
 L                               84                                                         E( 00 S- 00                              0

 /       57.00   60.00   3.00  253        MZPP BI              4 5 5           P    SH      75        <( D)           7(
 L                               46                                                         00 00 00 00                     00       0
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q U  AGE EV RQ LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       60.00   63.00   3.00  262        MZPP BI               4 5 5         P    8H      90          V( D)    <(
L                                0                                                           00 00 00 00                        0

/       63.00   66.00   3.00  270        MZPP                  4 5 5         P    8H      80       G) V*        6*
L                              23              5A                                               E(                              0

/ F/C   65.22   66.00   0.78            X QZPP                 2 5 2 6       R    8S      55 73                 6*
L                                              9U                                                                  <=           2

/ FLT   66.00   69.00   3.00  240        MZPP                  4 5 5         P    8H      90 V2    G( V*        6*
L                              20              5A                                               0J                 <=           8
R       66.00   69.00      CORE EXTREMELY BROKEN

/       69.00   72.00   3.00  238        MZPP                  4 5 5         P    V3      50 V1    00 00        6( B=
L                              32                                                               00                              X

/       72.00   75.00   3.00  239        MZPP                  4 5 5         P    V5      90 V1    00 V*        6(
L                              26                                                 8H      90    00                 V=           X
R       73.50   81.30      CORE EXTREMELY BROKEN

/ FLT   74.78   75.00   0.22            X PPAN FL       PP     3 5 1 5       R    SH      90       G1 V*
L                                              2A

/       75.00   78.00   3.00  250        MZPP                  4 5 5         P    V5      60 V2    00 00        6(
L                                0                                                              00                 <=           X

/ FLT   75.00   75.69   0.69            X PPAN FL                            R    SH      85          <*       <=
L                                              2A

/       78.00   81.00   3.00  204        MZPP                  4 5 5         P    V1      55 V2    00 00        6=
L                                0                                                V5      60    00                 <=           V

/ DYK   78.59   79.10   0.51            6 PPAN FL                            R    CN      90
L                                              2A

/       81.00   84.00   3.00  288        QZPP                  2 5 1 6       P    V1      70 >3       V(        6(
L                              46              9R                                               S.                              V

/ DYK   82.75   84.00   1.25            / PPAN                 2 5 1 6       R    CN     U70                    6*
L                                              2A                                                                               0

/ DYK   84.00   87.00   3.00  293        PPAN           PF     2 5 1 6       P    V5      80 V(    G= <=        <)          5L
L                              80              2A                    ()           V1      48    E)                 S.           1
R       84.00   87.00      PPAN HAS PF=PHENOS (1 TO 4MM) AND ANGULAR FRAG. OF QZ=V; MINOR
R       84.00   87.00      BLOCKS OF QZPP (INCLUSIONS?)

/ DYK   87.00   90.00   3.00  262        PPAN                                P                     G= <=        <)          5L
L                              15              2A                                               E)                              0
R       87.30   87.40      CONTACT ZONE IS NOT CLEAR, SUB=PARALLEL TO CORE=AXIS

/ TRN   87.40   90.00   2.60            9 QZPP                               R    V5      71 <1    00           <+          5L
L                                              6A                                 V6      55    0* Q-              <=           Y
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WHITING CK PORPHYRY MO-CU DEPOSIT BC
DRILLHOLE/TRAVERSE --- WCDH031 --- (CONTINUED)

```
K  F  F R O M - T O -   I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFOM .RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.--  -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                          R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R        87.40   90.00       BADLY BROKEN CORE

/ DYK   90.00   93.00   3.00   260        PPAN                               P    V6      40 <=       <* D.    <) D.       5L
L                               33             2A                                 V1      50    E* Q-                            1
R        90.00   93.00       ANGULAR RAFTED FRAG. OF QZPP IN PPAN-DYKE

/       93.00   96.00   3.00   269        QZPP                               P               <=       F-       <*          5T
L                               59          AP 6A                                               Q-                D.             X

/ DYK   94.00   95.60   1.60            5 PPAN                               R    DT      75          <*       <)
L                                              2A                                               E* Q-             00             0

/       96.00   99.00   3.00   267        QZPP                 2 5 1 5       P    V6      30 <2       F*
L                                           AP 6A                    0            V1      80             D.       D.             Y
R        96.00   99.00       QZ-VEINS & MICROVEINS ARE USUALLY BARREN

/       99.00  102.00   3.00   275        QZPP                 2 5 1 5       P    V3      50 <2       F*       D)
L                               65          AP 6A                                 V6      28                      <.             Y

/      102.00  105.00   3.00   249        QZPP                               P    V6      50 V2       <*       D*          5T
L                               66          AP 7A                                               Q* Q.             D.             Y

/      105.00  108.00   3.00   300        QZPP              VG               P    V3      45 V2       <*       <)          5T
L                               26          AP 7A                                 V1      50    Q) Q-    V*       <-             Y
R       106.00  106.00       HE-V AND HE-CRYSTALS IN VUGGY ZONE, HE-V DIPPING 82 DEGS

/      108.00  111.00   3.00   238        QZPP                               P    V6      65 V1       <*       D* D.       5T
L                               55          AP 7A                                                                 D.             Y

/      111.00  114.00   3.00   282        QZPP                               P    V3      78 V2       <*       D*          5T
L                               28          AP 7A                                                                 <-             Y

/ TRN  114.00  117.00   3.00   256        QZPP                               P    V3      55 V1          F)    D*          5L
L                               37          AP 7A                                 V6      60    Q)                <-             X

/ DYK  114.65  117.00   2.35            7 MZPP BI PF     PP                  R    DT      55          <*       D+          00
L                                              3A                                               Q)                00             0
R       114.65  117.00       FRAGS OF QZPP IN MZPP-DYKE

/      117.00  120.00   3.00   298        MZPP BI PF     PP                  P                     G) F*       D)
L                               16             3A                                               Q)                               0

/ FLT  120.00  123.00   3.00   258        MZPP                               P    V1      70       G+ F)       D*
L                               16                                                              Q=                               0
R       120.00  123.00       PF-X ARE INTENSELY SERICITTZED, BI-X ARE UNALTERED
R       121.30  122.00       FAULT ZONE    BADLY BROKEN CORE AND ABUNDANT GOUGE ZONES

/      123.00  126.00   3.00   258        MZPP                               P    V1      70       G+ F)       <)
L                               24                                                              Q+                               0

/      126.00  129.00   3.00   297        QZPP                 2 5 2 5       P    V3      50 <1       F(       <*          5L
L                               58          AP 6A                    0            V6      55    E*                S-             X
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SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT BC
DRILLHOLE/TRAVERSE --- WCDH031 --- (CONTINUED)

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K F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      126.00  126.00      CONTACT ZONE WITH QZPP IS VAGUE
R      126.00  128.00      KF IN GROUNDMASS APPEAR PINKISH NEAR CONTACT ZONE WITH MZPP-DYK

/      129.00  132.00  3.00  256        QZPP                2 5 2 5       P    V6      35 <1        F(       <*         5L
L                             33          AP 6A                   0            V6      55    0+                D.           X
R      129.00  132.00      TR. OF DISS. MO IN KF-GROUNDMASS

/ FLT  132.00  135.00  3.00  240        QZPP                2 5 2 5       P    V5      70 <1     G) F)       <* D.      5L
L                             00          AP 7A                                                                             X
R      132.00  138.00      BADLY BROKEN CORE. FX ARE MOD. WEATHERED INTO CY. NEAR FLT ZONE

/      135.00  138.00  3.00  287        QZPP                2 5 2 5       P    V6      55 <1        F(          D) 00   5L
L                              0          AP 7A                                                                             X

/      138.00  141.00  3.00  245        QZPP                2 5 2 5       P    V2      75 <1        F(       <)         5L
L                             26          AP 7A                                   E)                                        X

/      141.00  144.00  3.00  273        APLT          PP    2 5 + 5       P    V1      46 <=        F*       <) D.      5T
L                             66             7A                   0                       E)                D.              X
R      141.00  147.00      APLT IS WEAKLY PP, LESS THAN 3% QZ-PHENO.,MTX. APPEARS TO BE
R      141.00  147.00      F-GRAINED KF & QZ

/      144.00  147.00  3.00  280        APLT          PP VG 2 5 + 5       P    SH      75 <=        F)       <) D-      5T
L                             00             7A                                                                             V
R      145.00  145.20      SHEAR ZONE-ARDT  SULFIDE-GOUGE AND CB-F
R      146.35  146.35      TR. CP-DISS. IN PY <.
R      146.90  147.10      MZPP-DYKE WITH INCLUSION OF QZ-MO VEIN

/      147.00  150.00  3.00  300        QZPP          PP    2 5 1 5       P    V3      30 <1                    D.         
L                             32          AP 6A                   0                                         <.              X

/      150.00  153.00  3.00  279        QZPP                              P    V6      52 <=        F*       <* D-      5L
L                             36          AP 7A                                   Q( Q*                     D.              0

/      151.50  153.00  1.50            5 MZPP BI PF   PP                  R    V1      60 00                            7T
L                                            2A                                    E- E( Q-     D-            00             0
R      151.50  151.80      CONTACT ZONE BETWEEN QZPP & MZPP
R      152.70  153.00      RAFTED FRAG OF QZPP IN MZPP; QZPP IS INTENSELY METASOMATIZED

/      153.00  156.00  3.00  284        MZPP                              P    V1      65        G- F) <-    6*         7L
L                             40             2A                                   E( Q* P-                                  0
R      153.00  156.00      PF-X PARTLY ALTERED TO CLAY (MONTMORILLONITE ?)-PALE AQUA COLOUR

/      156.00  159.00  3.00  270        MZPP                              P    V1      60        G- <) <-    8) D.   AH 7L
L                             70             2A                                   E*           C(                V.     0
R      156.00  159.00      PY-MICROVEINS HAVE 0.5 TO 1MM KF-ENVELOPES AND CL-P

/      159.00  162.00  3.00  280        MZPP BI PF    PP    2 5 5 5       P                      G( <*       <*         7T
L                             77             5A                   0                  E* P)       C-                         0

/      162.00  165.00  3.00  279        MZPP BI PF    PP    2 5 5 5       P    V1      68        G( <)       8)         7L
L                             42             5A                   0                  E) P)       C-                         0
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G E O L O G                                          SASKATCHEWAN MINING DEV. CORP.
                                                   WHITING CK PORPHYRY MO-CU DEPOSIT BC                                     PAGE - 6
                                             DRILLHOLE/TRAVERSE ---  WCDH031 --- (CONTINUED)

K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/      165.00 168.00    3.00  268        MZPP BI PF     PP    2 5 5 5       P    V1     57        G( <*       <* D.      7L
L                              97             5A                    0                      E* P)        C(                    0

/      168.00 171.00    3.00  276        MZPP BI PF     PP    2 5 5 6       P    V1     67        G( <( D*    <*         7L
L                              25             6A                                 SH     65 E*

/      171.00 174.00    3.00  277        MZPP BI PF     PP    2 5 5 6       P    V1     70        G( <( D*    <*         7L
L                              00             9R                                 SH     80 E* P)                 <.           0

/      174.00 177.00    3.00  277        MZPP BI PF     PP    2 5 5 6       P    V1     75        00 <( D*    <*         7L
L                              36             6A                                 SH     65 E) P)                              0

/      177.00 180.00    3.00  248        MZPP BI PF     PP    2 5 5 6       P    V1     72        00 <( D*    <*         7L
L                              40             6A                                 SH     65 E*                    8.

/      180.00 183.00    3.00  258        MZPP BI        PP    2 5 7 6       P    SH     65           <* D)    6(         7L
L                              49             5A                                           E)                                 0
R      182.47 182.70       ROCK BADLY BROKEN; SHEARS AT 65 DEGS

/      183.00 186.00    3.00  255        MZPP BI        PP    2 5 7 6       P    V1     75           <) D)    V* 8-      7L
L                              51                                                          E)           <.                    0

/      186.00 189.00    3.00  294        MZPP BI        PP    2 5 7 6       P    V1     65           <* D)    6( 8-   AH 7F
L                              78                                                          E)                         V(
R      186.00 189.00       PATCHY ALTERATION OF FL AND GROUNDMASS TO WAXY, PALE GREEN
R      186.00 189.00       MINERAL-POSSIBLE MM

/      189.00 192.00    3.00  266        MZPP BI        PP    2 5 7 6       P    V1     60           <* D)    6( <-      7F
L                              77                                                          E)           <-                    0

/      192.00 195.00    3.00  282        MZPP BI        PP    2 5 7 6       P    V1     75           <* D)    6(         7F 5L
L                             143                                                          E) E*                              0
R      192.00 195.00       PY-FP-CP V WITH 1 CM PHYLLIC ENVELOPE AND SEVERAL PY-CL-V'S WITH
R      192.00 195.00       K-SPAR E'S

/      195.00 197.21    2.21  221        MZPP BI        PP    2 5 7 6       P    V1     50           <* D)    6( <-      7F 5L
L                             142                                                          E) E* S(                           0
R      197.21 197.21        END OF HOLE
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DRILLHOLE/TRAVERSE --- WCDH031 --- (CONTINUED)

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A 012	3.05	6.00	5404	.008	.028	.036
A 012	6.00	9.00	5405	.012	.030	.042
A 012	9.00	12.00	5406	.005	.023	.028
A 012	12.00	15.00	5407	.010	.017	.027
A 012	15.00	18.00	5408	.020	.043	.063
A 012	18.00	21.00	5409	.056	.015	.071
A 012	21.00	24.00	5410	.011	.012	.023
A 012	24.00	27.00	5411	.012	.013	.025
A 012	27.00	30.00	5412	.019	.008	.027
A 012	30.00	33.00	5413	.052	.012	.064
A 012	33.00	36.00	5414	.029	.040	.069
A 012	36.00	39.00	5415	.040	.003	.043
A 012	39.00	42.00	5416	.056	.002	.058
A 012	42.00	45.00	5417	.042	.002	.044
A 012	45.00	48.00	5418	.026	.002	.028
A 012	48.00	51.00	5419	.044	.002	.046
A 012	51.00	54.00	5420	.061	.002	.063
A 012	54.00	57.00	5421	.025	.003	.028
A 012	57.00	60.00	5422	.023	.002	.025
A 012	60.00	63.00	5423	.033	.003	.036
A 012	63.00	66.00	5424	.017	.002	.019
A 012	66.00	69.00	5425	.026	.022	.048
A 012	69.00	72.00	5426	.018	.023	.041
A 012	72.00	75.00	5427	.023	.030	.053
A 012	75.00	78.00	5428	.022	.020	.042
A 012	78.00	81.00	5429	.015	.022	.037
A 012	81.00	84.00	5430	.022	.008	.030
A 012	84.00	87.00	5431	.053	.008	.061
A 012	87.00	90.00	5432	.021	.175	.196
A 012	90.00	93.00	5433	.037	.007	.044
A 012	93.00	96.00	5434	.020	.032	.052
A 012	96.00	99.00	5435	.048	.008	.056
A 012	99.00	102.00	5436	.081	.007	.088
A 012	102.00	105.00	5437	.045	.023	.068
A 012	105.00	108.00	5438	.063	.040	.103
A 012	108.00	111.00	5439	.102	.023	.125
A 012	111.00	114.00	5440	.026	.020	.046
A 012	114.00	117.00	5441	.027	.030	.057
A 012	117.00	120.00	5442	.041	.003	.044
A 012	120.00	123.00	5443	.033	.003	.036
A 012	123.00	126.00	5444	.032	.007	.039
A 012	126.00	129.00	5445	.024	.053	.007
A 012	129.00	132.00	5446	.018	.027	.045
A 012	132.00	135.00	5447	.020	.033	.053
A 012	135.00	138.00	5448	.029	.008	.037
A 012	138.00	141.00	5449	.052	.007	.059
A 012	141.00	144.00	5450	.076	.012	.088
A 012	144.00	147.00	5451	.069	.060	.129
A 012	147.00	150.00	5452	.033	.013	.046
A 012	150.00	153.00	5453	.049	.007	.056

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A 012	153.00	156.00	5454	.030	.003	.033
A 012	156.00	159.00	5455	.022	.002	.024
A 012	159.00	162.00	5456	.035	.002	.037
A 012	162.00	165.00	5457	.012	.002	.014
A 012	165.00	168.00	5458	.015	.002	.017
A 012	168.00	171.00	5459	.010	.002	.012
A 012	171.00	174.00	5460	.017	.002	.019
A 012	174.00	177.00	5461	.014	.002	.016
A 012	177.00	180.00	5462	.014	.003	.017
A 012	180.00	183.00	5463	.022	.003	.025
A 012	183.00	186.00	5464	.017	.002	.019
A 012	186.00	189.00	5465	.016	.008	.024
A 012	189.00	192.00	5466	.015	.002	.017
A 012	192.00	195.00	5467	.012	.002	.014
A 012	195.00	197.20	5468	.013	.003	.016
R ASY	3.05	197.20	AVE. CU= .031 % ; AVE. MOS2= .016 %			

A UMM			PPB AG	PPM AU	PPM W	PPM PB	PPM ZN	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A MTH			PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA	
A TYP	0.00	0.00	COMPOS	COMPOS	COMPOS	COMPOS	COMPOS	
R ASY	0.00	0.00	DETECTION LIMIT IS PRECEDED BY A MINUS SIGN					
A 014	12.00	27.00	0.9	5	4	5	7	21.9
A 014	27.00	42.00	0.7	10	3	7	16	36.7
A 014	42.00	57.00	0.7	5	-2	8	30	41.7
A 014	57.00	72.00	0.7	5	4	46	81	136.7
A 014	72.00	87.00	1.0	10	6	10	21	42.0
A 014	87.00	102.00	1.4	10	7	18	32	68.4
A 014	102.00	117.00	1.0	5	7	14	14	41.0
A 014	117.00	132.00	0.6	-5	5	20	19	39.6
A 014	132.00	147.00	0.4	5	4	16	21	46.4
A 014	147.00	162.00	0.4	5	-2	17	25	45.4
A 014	162.00	177.00	0.3	5	-2	9	36	48.3
A 014	177.00	192.00	0.6	5	2	6	9	22.6

R SUM DDH 31 CONSISTS OF AP-QZPP, MZPP AND ANDS-DYKES. MO-QZ VEINS ARE
R SUM WEAKLY ABUNDANT IN THE AP-QZPP; DISS-PY IS COMMONLY PRESENT
R SUM BUT GENERALLY LESS THAN 2%. MZPP IS INTENSELY ALTERED NEAR
R SUM FAULT ZONES PRODUCING A WAXY, PALE GREEN MINERAL (MM ?).MZPP
R SUM DYKES UP TO 30 M, CUT AP-QZPP, THEY ARE GENERALLY WEAKLY
R SUM PORPHYRITIC AND CONTAINS NO QZ-V, SEVERAL ANDS DYKES WERE INTER-
R SUM SECTED, THEY ARE UNMINERALIZED EXCEPT FOR TR. AMOUNT OF PY. THE
R SUM LAST 46 M OF DDH 31 CONSIST OF MZPP SIMILAR TO THE MZPP IN
R SUM DDH 30, TR AMOUNT OF CP WAS OBSERVED. SIGNIFICANT FLT ZONES
R SUM OCCUR AT 23 TO 30 M;39 TO 42M;47.5 TO 51M;66 TO 69M;74.8 TO
R SUM 75.7M; 121 TO 122M.

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I G C                                                                                  PAGE : 1  DATE :1981/11/27

                                   G E O L O G   E D I T   L I S T I N G                  SYSTEMS ENGINEERING BY
                                                                                   INTERNATIONAL GEOSYSTEMS CORP.

                                           SASKATCHEWAN MNINING DEV. CORP.
                                         WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                                  FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH032        COLLAR ELEVATION:      1557.00        AZIMUTH( DEG ) :  265.00        GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :    89.61       NORTHING(- IF S):      3325.00        VERTICAL ANGLE :  -55.00        DATE (YY/MM/DD): 810808
CORE/HOLE DIAMETER :       NO       EASTING (- IF W):      2425.00        CO-ORD SYSTEM  :   MAP          PROJECT NUMBER :    4942

                              SEQ. NO OF     LENGTH FROM COLLAR     AZIMUTH    VERT. ANGLE
                             SURVEY DATA      TO SURVEY POINT       ( DEG )      ( DEG )

                                  1                 78.02            270.00        -61.50
                                  2                 88.93            270.00        -61.00

R HED                       DDH 32 COMMENCED ON AUG 4, COMPLETELD ON AUG 9

R HED                       DDH 32 WAS ABANDONED DUE TO CAVE-IN.

   F   - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY   U I       TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1 .1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F T Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK    FM     RT    TM QM2 TX TX S R S O S          T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                        QUAL    AGE EN- Q LC- 3      3  4 O N H /  M         2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                        DESIG      VIR   COL              R D P C   L          STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/         0.00    9.50    9.50             OVER                                   P
L

/ WTH     9.50   12.00    2.50  229        QZPP            PP VG 2 5 3 6          P    V6       35 V2                 6*        CI 5F
L                                25          AP BR                     0                                Q*           LI         C(      Y
R         9.50   12.00      LI-COATING UP TO 20% IN INTENSELY WX. ZONES

/ CAP    12.00   15.00    3.00  275        QZPP            PP VG 2 5 3 6          P    V5       63 V2                 8)        LI 5F
L                               129          AP 7A                                     V6       30                 00     <-    C1      Y

/ CAP    15.00   18.00    3.00  254        QZPP            PP VG 2 5 4 6          P    V6       25 V2                 6*        CI 5F
L                                62          AP 7A                     0               V2       70                       D.             Y

/ CAP    18.00   21.00    3.00  243        QZPP            PP VG 2 5 3 6          P    V5       70 V2                 6*        CI 5F
L                                27          AP 7A                     0               V6       30                        <-             Y
R        18.00   21.00      TR. OF MO-FLAKES IN FRCTS

/ CAP    21.00   24.00    3.00  233        QZPP            PP VG 2 5 3 6          P    V6       35 V2    G(           6*        CI 5F
L                                57          AP 7A                                                                                  Y

/ CAP    24.00   27.00    3.00  278        QZPP            PP VG 2 5 2 6          P    V1       60 V2                 8)        LI 5L
L                                60          AP 7A                     0                                Q=                 D.   C1      Y

/        27.00   30.00    3.00  280        QZPP            PP VG 2 5 2 6          P    V2       25 V2                 8)        LI 5L
L                                71          AP 7A                     0               V6       35  Q=                     D.   C1      Y
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/        30.00   33.00   3.00  254        QZPP          PP VG 2 5 2 6       P    V5      60 V1                8)      LI 5L
L                               56          AP 7A                   0            V6      45    Q=                  <.      C=      V

/        33.00   36.00   3.00  290        QZPP          PP VG 2 5 2 6       P    V5      65 V2                8)      LI 5L
L                               53          AP 7A                   0                          Q=                  <=      C1      Y

/ FLT    33.50   33.80   0.30           ) FAUL                              R    FB      50       G1                 LI
L                                                                                                                  00      C1      Y
R        33.50   33.80      BADLY BROKEN

/        36.00   39.00   3.00  271        QZPP          PP RB               P    V5      50                                 5L
L                               33          AP 7A                                V6      55                        <(              0

/ DYK    39.00   42.00   3.00  202        PPFL          PP FR 3 5 2 6       P                     C)    D)    V*         LI
L                               00          AN 3A                   0                          E-                          C)      0
R        39.00   42.00      V. BADLY BROKEN CORE. PF=PHENO. AS EUHEDRAL TO SUB-HEDRAL XLS

/ DYK    42.00   45.00   3.00  218        PPFL          PP    3 5 2 6       P    V1      75       C*    D)    V)         LI
L                               00          AN 3A                                              E(                          C*      0

/        45.00   48.00   3.00  195        PPFL          PP    3 5 2 6       P    V1      48       C*    D)    <)         LI
L                               00          AN 3A                                                                          C)      0

/        47.55   48.00   0.45           X QZPP                3 5 3 6       R               V2                6(         LI 5M
L                                           AP 9U                                              Q3                  V-      C)      V

/        48.00   51.00   3.00  270        QZPP          PP VV 3 5 3 6       P    V5      75 V2                V(         CV 5M
L                               13          AP 9U                                              Q2                  V-      O-      X

/        51.00   54.00   3.00  276        QZPP          PP VV 3 5 3 6       P    V5      75 V2                <(         LI 5F
L                               43          AP 9U                                              Q2                  <.      C*      V

/        54.00   57.00   3.00  228        QZPP          PP VV 3 5 3 6       P    V3      40 V3 C)             V*         CV 5F
L                               00          AP 9U                                              Q=                  <-      O-      V

/ FLT    56.10   56.60   0.50           X FAUL                              R    SH      80 #2    G1          #2
L                                                                                SH      65

/        57.00   60.00   3.00  261        QZPP          PP VV 3 5 3 6       P    V5      60 V3                Q)         LI 5F
L                               70          AP 9U                                V1      70    Q2                  <-      C(      X

/        60.00   63.00   3.00  300        QZPP          PP VV 3 5 3 6       P    V3      42 V2                V*         LI 5F
L                               15          AP 9U                                              Q2                  <(      C-      V

/        63.00   66.00   3.00  300        QZPP          PP    3 5 3 6       P    V3      40 V3                6*         LI 5F
L                               32          AP 9U                                              Q2                  <-      C(      V

/ DYK    65.87   66.00   0.13           X ANDS          FB CM 1 4 1 4       R                          <*
L                                              2A       PP                                                                         0

/        66.00   69.00   3.00  270        QZPP          PP    3 5 3 6       P    V3      40 V3                <(         C1 5F
L                               20          AP 9U                                              Q=                  <-      C.      V
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K  F   F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                           R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ DYK   66.00   66.61   0.61           X ANDS           FB CM 1 4 1 4      R    CN      B60          <*
L                                              2A       PP                                                                   0
R       66.00   66.61      POST-MINERAL ANDS OR BASL DYKE MICROLITES OF PLAG

/       69.00   72.00   3.00  291        QZPP           PP     3 5 7 5     P    V5      45 V3                    6*        LI 5F
L                              35          AP 9T                     0          V2      75    Q2                     <-    C-      Y

/       72.00   75.00   3.00  190        QZPP           PP     3 5 7 5     P    V5      50 V3                    6*        LI 5F
L                              30          AP 7A                     0          V2      75    Q2                     <.    C-      V

/ CNT   74.40   75.00   0.60           = TFXL                  2 4 1 4     R               V1    G)     D.       <*        LI 5T
L                                    HZ    AN 2A                     0                        E(                     00    <.      V
R       74.40   75.00      CNT ZONE NOT OBSERVED DUE TO BADLY BROKEN CORE

/       75.00   78.00   3.00  200        TFXL                              P    V6      20 V2     C+ F* D-       6)              5T
L                               0    HZ    AN 2A                                                  E*                                 V

/       75.00   75.20   0.20           = QZPP                  3 5 2 5     R    V6      50        G( 00 00       <*              5L
L                                          AP 6A                     0                        Q)                                 Y

/ FLT   78.00   81.00   3.00  145        TFXL                  2 4 2 5     P    V2      60 V2     C+ F* D-       6) D.           5T
L                              25    HZ    AN 2A                     0          V5      45    E*                    <.           X
R       79.25   80.00      COMPLETE LOST OF CORE, CAVE?
R       80.20   80.30      QZ-MO < CUTS QZ-PY-CP VEIN

/       81.00   84.00   3.00  245        TFXL                              P    V2      70 V2     <* F* D-       6) D.     LI 5T
L                               0    HZ    AN 2A                                                                    00     C.
R       81.40   81.40      TR. CP IN QZ-PY VEIN

/       84.00   87.00   3.00  247        TFXL           VG     3 4 3 5     P    V2      60 V2        <) D(       6)        LI 5F
L                              28    HZ    AN 2A                     0          V1      75    E+                           C.      X
R       84.00   87.00      ABUNDANT LATE CALCITE-< CUTTING QZ-PY VEINS. TFXL IS INTENSELY
R       84.00   87.00      FRACTURED AND MOD. WEATHERED

/       87.00   89.61   2.61  116        TFXL           VG     3 4 3 5     P    V1      75 V2        <) D(       6+        LI 5F
L                              21    HZ    AN                               V6      25                             S.          V
R       89.61   89.61      DDH 32 ENDED A 89.61 M
```

				%CU	%MOS2	HASH
A UMM				%CU	%MOS2	HASH
A LAB				MIN-EN	MIN-EN	
A MTH				CHEM	CHEM	
A TYP				H-CORE	H-CORE	
R ASY 87.00 89.61			DETECTION LIMIT IS PRECEDED BY A MINUS SIGN			
A 012	9.50	12.00	5469	.005	.005	.010
A 012	12.00	15.00	5470	.003	.013	.016
A 012	15.00	18.00	5471	.004	.008	.012
A 012	18.00	21.00	5472	.004	.012	.016
A 012	21.00	24.00	5473	.005	.007	.012
A 012	24.00	27.00	5474	.003	.007	.010
A 012	27.00	30.00	5475	.004	.013	.017
A 012	30.00	33.00	5476	.002	.017	.019
A 012	33.00	36.00	5477	.005	.035	.040
A 012	36.00	39.00	5478	.004	.078	.082
A 012	39.00	42.00	5479	.024	.005	.029
A 012	42.00	45.00	5480	.039	.002	.041
A 012	45.00	48.00	5481	.032	.007	.039
A 012	48.00	51.00	5482	.012	.007	.019
A 012	51.00	54.00	5483	.008	.028	.036
A 012	54.00	57.00	5484	.021	.015	.036
A 012	57.00	60.00	5485	.025	.013	.030
A 012	60.00	63.00	5486	.034	.015	.049
A 012	63.00	66.00	5487	.042	.020	.062
A 012	66.00	69.00	5488	.022	.013	.045
A 012	69.00	72.00	5489	.021	.035	.056
A 012	72.00	75.00	5490	.049	.032	.081
A 012	75.00	78.00	5491	.120	.008	.128
A 012	78.00	81.00	5492	.132	.013	.145
A 012	81.00	84.00	5493	.049	.010	.059
A 012	84.00	87.00	5494	.045	.023	.068
A 012	87.00	89.61	5495	.056	.025	.081
R ASY	9.50	89.61	AVE. CU= .028 % ; AVE. MOS2= .017 % .			

A UMM			PPB AG	PPM AU	PPM W	PPM PB	PPM ZN	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A MTH			PCL-AA	ADR-AA	COLOUR	PCL-AA	PCL-AA	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	COMPOS	
A 014	18.00	23.00	0.3	5	5	4	4	18.3
A 014	23.00	48.00	0.5	5	3	10	25	43.5
A 014	48.00	63.00	0.4	5	3	6	12	26.4
A 014	63.00	78.00	0.8	-5	4	10	56	63.8
A 014	78.00	89.61	1.0	5	95	20	83	204.0

R SUM AP QZPP OCCURS FROM 9.5 TO 74.4M EXCEPT FOR SEVERAL SMALL PPFL &

R SUM ANDS DYKES, MO-QZ VEINS OCCURS ERRACTICALLY THROUGH QZPP, MO

R SUM IS MORE ABUNDANT IN STRONGLY SERICITIZED ZONES. PPFL DYKE HAS

R SUM TRACE OF MG AND LESS THAN 1% DISS. PY. THE ANDS DYKE IS WEAKLY

R SUM FB AND MAY CONTAIN TR OF MO. THE BOTTOM 15M OF DDH 32 CONSISTS

R SUM OF TFXL, ITS CONTACT WITH THE OVERLYING QZPP IS MARKED BY A

R SUM SHEAR ZONE. TFXL CONTAINS TR. OF MO AND CP, QZ-V ARE PRESENT IN

R SUM MODERATE AMOUNT. SIGNIFICANT FAULTS OCCUR AT 33.5M; 56.1 TO

R SUM 56.6M; AND 78 TO 81M.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEVELOPMENT CORP
WHITING CK PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6802

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DRILLHOLE/TRAVERSE : WCDH033       COLLAR ELEVATION:     1538.00       AZIMUTH( DEG ) :  270.00      GEOLOGGED BY : DTC +
TOTAL DEPTH/LENGTH :  103.94       NORTHING(- IF S):     3171.00       VERTICAL ANGLE :  -45.00      DATE (YY/MM/DD): 810800
CORE/HOLE DIAMETER :       NQ      EASTING (- IF W):     2349.00       CO-ORD SYSTEM  :   MAP        PROJECT NUMBER :   4942

                          SEQ. NO OF     LENGTH FROM COLLAR     AZIMUTH    VERT. ANGLE
                          SURVEY DATA     TO SURVEY POINT       ( DEG )     ( DEG )

                               1               93.57              0.00       -52.00

R HED                    DDH 33 COMMENCED 9 AUG 81, COMPLETED 13 AUG 81

  F    - I N T E R V A L -      CORE  T- %        TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY     O I       TM TM MAT TX TX F C X M DEN   /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI     1     AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3      3  4 O N H /  M       2     AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                         DESIG      VIR   COL             R D P C   L          STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2

/ OVB    0.00   34.15  34.15   00        OVER                               P
L

/ WTH   34.15   36.00   1.85  155        MZPP BI        GR      5           P                       G1 F)                  LI 5F
L                              0               6A                  C                            Q= Q.            D*        C3      0
R       34.15   40.84       BADLY BROKEN, INTENSELY WEATHERED CORE.

/ SOX   36.00   39.00   3.00  152        MZPP BI        GR      5           P                       G1 F)                  LI 5F
L                              0               6A                                                              MC          C2      0
R       38.00   39.00       TR. OF MALACHITE COATING

/ SOX   39.00   42.00   3.00  260        MZPP BI        GR      5           P                       G1 F)                  LI 7T
L                             15               6A                                              E- Q+           MC          C1      0
R       39.00   42.00       MALACHITE-C UP TO 0.3% WITH TR. OF CHALCOCITE-C
R       41.70   42.21       CONTACT ZONE MZPP-ANDS(DYK) NOT CLEAR DUE TO BROKEN CORE

/ DYK   42.00   45.00   3.00  266        ANDS                  2 4 1 4      P                          <-                  LI
L                                              2A                  0                                           MC          C)      0
R       42.00   45.00       TR. OF MALACHITE-C IN DYKE

/ DYK   45.00   48.00   3.00  242        ANDS                               P                          <-                  LI
L                             22               3A                                                                          C.      0

/ CNT   45.90   48.00   2.10          3 MZPP BI        GR      5           R                                     D.           7F
L                                              6A                                              E( Q=

/       48.00   51.00   3.00  200        MZPP           GR      5           P   V6       65 V*    G1 <* D.      D*           7F
L                             00               6A                                              F* Q1                               3
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                           R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R     49.80  50.20      FAULT ZONE, PF IN MZPP INTENSELY ALTERED TO LIGHT-GREEN WAX-LIKE
R     49.80  50.20      SERICITE OR MONTMORILLONITE?

/     51.00  54.00  3.00  248       MZPP        GR     5           P   V2     70 V*   G+ <* D.    8)         7F
L                                     9G                                         E-                              1
R     51.00  54.00      ABUNDANT DISS. PY WITH BI-X

/     54.00  57.00  3.00  217       MZPP BI     GR                 P   V6     60 V)      V* D.      D-       7F
L                          19         9G                                         E* Q1                           1
R     54.00  57.00      CB-V DIPPING 10 DEGS TO HORIZONTAL AXIS OF CORE

/ FLT 54.50  54.86  0.36         1 FAUL                            R                G8 P)
L                                     6A                                       G=                                0

/     57.00  60.00  3.00  300       MZPP BI     GR                 P   V6     65 V)      <) D.      D-       7F
L                          22                                                    E)                              1

/     60.00  63.00  3.00  272       MZPP BI     GR                 P   V1     75 V)      V* D.      D-       7F
L                          33         6A                                                                         1

/     63.00  66.00  3.00  257       MZPP BI     GR                 P   V5     75 V)      V* D.      D(       7F
L                          66         6A                                                            D.           2

/     66.00  69.00  3.00  266       MZPP        GR     5           P   V2     70 V*      V*      8* 8*       7B
L                          67         5A                                         E* Q2                           2

/ FLT 67.70  68.80  1.10         3 FAUL                            R   FT     65 00   G9 V+         D.
L                                     7A                                                                         0

/     69.00  72.00  3.00  249       MZPP        GR     5           P   V2     70 V*      V*      8+ 8*       5A 7T
L                          87         6A                                         E* Q2                           1

/     72.00  75.00  3.00  258       MZPP        GR     5           P   V2     70 V*      F)      8) D-       5A 7T
L                          67         6A                                         E* Q2                           2

/ FLT 72.60  72.85  0.25         = FAUL                            R                G9 G+         D)
L                                     5A                                                                         0

/     75.00  78.00  3.00  260       MZPP        GR VG  5           P   V2     60 V*      <*      8) D.       5L 7L
L                          67         5A                                         E) Q=                           2
R     77.00  78.00      SER. IS MUCH WEAKER THAN PREVIOUS ZONES. MZPP IS COARSER GRAIN
R     77.00  78.00      WITH GRANULAR TEXTURE; BI-X UP TO 20% (PRIMARY)

/     78.00  81.00  3.00  264       MZPP        GR 00  5           P   V2     70 V*      V)      8* D.       7L 00
L                          35         5A                               V5     45                    D.           2

/ CNT 81.00  87.00  6.00  276       MZPP                           P                 V*      <*         D.       7L
L                          38                                                    E) Q=                 D.           2

/ DYK 81.42  81.62  0.20         = APLT    KF   PP     2 5 2 5     R   CT     45 V2                        5L
L                                     9    ?/               O          CB     60 00 Q)                           4
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM O 1 TX TX F C % M TFDM  RI 1 IO AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RO LC TM O 2 TX TX S R S O SML     2 IO AZM DIP KF MU CL EP HE XX PR MO SL

R     85.00    85.00    TR. APLT-V IN MZPP

/     87.00    90.00    3.00 284         MZPP BI        GR      5           P    V1      65 V+       F*       <) D-    7L
L                             68              5A                                 V2      72 E) Q+       D.                     2

/     90.00    93.00    3.00 252         MZPP BI        GR      5           P    V7      70 V)    G) F*       8) <(    7L
L                             14              5A                                 V2      72 E) Q+    Q- 00                     2

/     93.00    96.00    3.00 275         MZPP BI        PP    2 5 3 5       P    V6      20 <+       <*       <) D(    7L
L                            112              4A                    0            V2      72 E) Q+       D.                     3

/     96.00    99.00    3.00 280         MZPP           GR      5           P    V6      70 <)    Q= P*       <) D(    7T
L                             90              4A                                            E* Q+                              1

/ DYK 97.46    99.00    1.54           5 ANDS           DB FB B 2           R    DT      20          <+ D-
L                                             2A                                                                               0

/ DYK 99.00   102.00    3.00 265         ANDS                 2             P    DB      65          <) D*    D=
L                                             2A                                                                               0

/ FLT 99.24   102.00    2.76           X MZPP           GR      5           R                        <* 00             5A
L                                                                                              Q+                              0
R     99.24   103.94    BADLY BROKEN CORE
R    101.00   102.00    FAULT ZONE, ABUNDANT CLAY-GOUGE ZONE, PF INTENSELY ALTER. TO
R    101.00   102.00    CLAY AND SER.

/    102.00   103.94    1.94 110         MZPP           GR      5           P                        <)       D- D(    7L 5A
L                                                                                           Q) Q+    Q*          D-            0
R    103.94   103.94    DDH 33 ENDED AT 103.94 M
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A UMM				%CU	%MOS2		
A LAB				MIN-EN	MIN-EN		
A MTH				CHEM	CHEM		
A TYP				H-CORE	H-CORE		
R ASY	0.00	0.00	DETECTION LIMIT IS PRECEDED BY A MINUS SIGN				
A 012	34.50	36.00	5496	.072	.012		.084
A 012	36.00	39.00	5497	.357	.018		.375
A 012	39.00	42.00	5498	.227	.007		.234
A 012	42.00	45.00	5499	.009	.002		.011
A 012	45.00	48.00	5500	.071	.015		.086
A 012	48.00	51.00	5501	.136	.017		.153
A 012	51.00	54.00	5502	.170	.017		.187
A 012	54.00	57.00	5503	.163	.037		.200
A 012	57.00	60.00	5504	.112	.050		.162
A 012	60.00	63.00	5505	.220	.017		.237
A 012	63.00	66.00	5506	.159	.022		.181
A 012	66.00	69.00	5507	.251	.030		.281
A 012	69.00	72.00	5508	.233	.030		.263
A 012	72.00	75.00	5509	.188	.020		.208
A 012	75.00	78.00	5510	.150	.010		.160
A 012	78.00	81.00	5511	.102	.013		.115
A 012	81.00	84.00	5512	.198	.013		.211
A 012	84.00	87.00	5513	.219	.020		.239
A 012	87.00	90.00	5514	.122	.010		.132
A 012	90.00	93.00	5515	.157	.013		.170
A 012	93.00	96.00	5516	.141	.010		.151
A 012	96.00	99.00	5517	.069	.003		.072
A 012	99.00	102.00	5518	.101	.003		.104
A 012	102.00	103.94	5519	.264	.008		.272
R ASY	34.50	103.94	AVE. CU=.156%, AVE. MOS2=.016%				

R SUM DDH 33 INTERSECTED 93M. OF MZPP AND SEVERAL ANDS DYKES. MZPP IS
R SUM GRANULAR TO WEAKLY PORPHYRITIC. BI X'S ARE GENERALLY FRESH NEAR
R SUM TOP OF HOLE. SULFIDES ARE COMMONLY ENCRUSTED IN MAFICS. TR. OF
R SUM MALACHITE AND CHALCOCITE OCCUR AT 36 TO 42M. MZPP CONTAINS TR.
R SUM OF DIS. -CP AND IS WEAK IN QZ-VEINING. PF ENVELOPES ARE COMMON
R SUM BELOW 45M IN MZPP. INTENSE ALTERATION OF PF AND BI IN MZPP
R SUM OCCURS NEAR FAULT ZONES. A PALE GREEN WAXY MINERAL (MM?) AND
R SUM ABUNDANT CLAY-C WERE OBSERVED IN THOSE ZONES. TR. OF MO-D AND
R SUM CP-D WERE FOUND AT THE BOTTOM OF DDH 33. DDH 33 ENDED SHORT OF
R SUM THE TARGET DEPTH OF 200M DUE TO THE SHUT DOWN OF INDUSTRIAL
R SUM OPERATIONS IN THE FOREST BY B.C. MIN. OF FOREST. SIGNIFICANT FLT
R SUM ZONES OCCUR AT 67.7 TO 68.8M;72.6 TO 72.85M;54.5 TO 55M;99 TO

R SUM 102M

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                         G E O L O G   E D I T   L I S T I N G                  SYSTEMS ENGINEERING BY
                                                                         INTERNATIONAL GEOSYSTEMS CORP.

                         SASKATCHEWAN MINING DEVELOPMENT CORP.
                         WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                  FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH034      COLLAR ELEVATION:    1538.00      AZIMUTH( DEG ) :  268.00      GEOLOGGED BY : DTC +
TOTAL DEPTH/LENGTH :  325.22      NORTHING(- IF S):    3170.00      VERTICAL ANGLE :  -44.00      DATE (YY/MM/DD): 810900
CORE/HOLE DIAMETER :      NQ      EASTING (- IF W):    2350.00      CO-ORD SYSTEM  :    MAP       PROJECT NUMBER :   4942

                    SEQ. NO OF      LENGTH FROM COLLAR      AZIMUTH     VERT. ANGLE
                    SURVEY DATA      TO SURVEY POINT        ( DEG )       ( DEG )

                         1               117.26              0.00         -52.00
                         2               214.50              0.00         -53.00
                         3               325.22              0.00         -54.00

   F   - I N T E R V A L -   CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   , DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY   O I       TM TM MAT TX TX F C X M DEN  /RI T IO STK DIP A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI    1     AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- -- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM     RT     TM QM2 TX TX S R S O S        T IO STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3       3  4 O N H /  M       2     AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                         DESIG      VIR   COL             R D P C    L       STRUCTUR-2 A  A  A  A  A  A  A  A  A  A   2   2

/ OVB    0.00    4.50   4.50   0        OVER                        P
L                              0

/ CAP    4.50    6.00   1.50  63        MZPP PF BI    PP    3 5 4 6       P                     G+          D*          LI 5T
L                              0             5A                   0                           Q+ Q) O.                  C2       0
R        4.50   15.00        INTENSELY BROKEN CORE IN WX ZONE.  BI-PHENOS ARE 0.5 TO 3 MM
R        4.50   15.00        AND VARY FROM FRESH TO PARTLY CHLORITIZED. PF-PHENOS ARE
R        4.50   15.00        INTENSELY SERICITIZED.

/ WTH    6.00    9.00   3.00 118        MZPP PF BI    PP    3 5 4 6       P                     G+          D*          LI 5T
L                              0             5A                                                                                  0
R        6.00    9.00        MZPP IS WEAKLY PORP.

/ WTH    9.00   12.00   3.00 245        MZPP PF BI    PP    3 5 4 6       P                     G+          D*          LI 5T
L                              0             5A                                                                                  0

/ WTH   12.00   15.00   3.00 267        MZPP PF BI    PP    3 5 4 6       P   V1       60       G+          D*          LI 5T
L                              0             5A                                                                                  0
R       13.00   13.00        PY-V WITH PHYLLIC-E'.

/       15.00   18.00   3.00 220        MZPP PF BI    PP    3 5 4 6       P   V1       50 V)    G+          D*          LI 5T
L                             43             5A                               V2       60       Q+                      C=       3

/ SSO   18.00   21.00   3.00 282        MZPP          PP    3 5 4 6       P                V)   G+ F(       D* D.       LI 7T
L                             35             5A                   0                        E* Q1 Q+ O.   MC    O.       C=       3
R       18.00   21.00        INCREASE CHLORITIZATION OF BI-PHENOS.
R       18.00   21.00        TR OF MALACHITE-DISS. ALSO DISS.-MO IN QZ-PY <.

/ SSO   21.00   24.00   3.00 270        MZPP          PP    3 5 4 6       P   V2       55 V+    G+ F(     C-    D* D.     LI 7L
L                             39                                                           E)                  OO       C+       8
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                                            SASKATCHEWAN MINING DEVELOPMENT CORP.
G E O L O G                                 WHITTNG CK PORPHYRY MO-CU DEPOSIT BC                                    PAGE - 2
                                       DRILLHOLE/TRAVERSE ---  WCDH034 --- (CONTINUED)

K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R O D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R       21.00   24.00      TR OF POTASSIC E'.

/       24.00   27.00   3.00  270        MZPP           PP    3 5 4 6       P    V6      60 V+    P* F(      D) <-    LI 7T
L                              86                                                                         00 00   D.           3

/       27.00   30.00   3.00  292        MZPP           PP    3 5 4 6       P               V)    G+ <(      D* D=    LI 7T
L                              54                                                                    00          00            3

/       30.00   33.00   3.00  298        MZPP           PP    3 5 4 6       P    V5      50 4=    G+ F(      D* D*    LI 7T
L                              73                                                              02                <-            7
R       30.00   36.00      TR OF CL-ENVELOPES AROUND QZ-PY-VEINS.  INTENSE SER. OF PF-PHENO

/       33.00   36.00   3.00  267        MZPP           PP    3 5 4 6       P    V5      25 V)    G+ F(      D* D.    LI 7T
L                               0                                                V6      55                      <.            6

/ SSX   36.00   39.00   3.00  298        MZPP           PP VG               P    V1      65 5=       F.      Q) D*    BO 7L
L                              39            5A                                             E) Q1 Q+             D.    M.      5
R       37.30   37.30      TR OF BO IN CP-VEIN ALONG VUGGY ZONE.

/       39.00   42.00   3.00  252        MZPP           PP 00               P    V6      80 5=       F.      Q) D(    00 7L
L                              37                                                V2      75       E+             00    00      3

/       42.00   45.00   3.00  264        MZPP           PP VG               P    V2      60 5=       F.      Q) D-    BO 7L
L                              36                                                           E* Q2                              3

/       45.00   48.00   3.00  274        MZPP           PP VG               P    V6      22 V+       F.      D* D*    BO 7L
L                               0                                                                                D.            1

/       48.00   51.00   3.00  273        MZPP           PP VG               P    V1      65 5=       F.      Q) D.    BO 7L
L                               0                                                           Q2                   00            2

/       51.00   54.00   3.00  278        MZPP           PP VG               P    V1      60 5=       <-      Q) D*    BO 7L
L                               0                                                                                              6

/       54.00   57.00   3.00  267        MZPP           PP VG               P    V1      50 5=       F.      <* D*    BO 7L
L                               0                                                                                              2

/       57.00   60.00   3.00  262        MZPP           PP    3 5 4 6       P    V8      25 V+       P.      <) D*       7L
L                               0            5A                     0                       P) Q1 Q=             D.            3
R       58.50   58.50      QZ-VEIN WITH MO-S AND CP-X.

/       60.00   63.00   3.00  252        MZPP           PP    3 5 4 6       P    V2      60 V+       P.      <) D(       7L
L                              15            5A                                                Q2                00            3

/       63.00   66.00   3.00  257        MZPP           PP    3 5 4 6       P    V8      70 V+       P.      <) D-       7L
L                              20            5A                                             E) Q1                <.            2

/       66.00   69.00   3.00  300        MZPP           PP    3 5 4 6       P    V8      45 V+       P(      <) D*       7L
L                              15            5A                                                      Q.          00            1

/       69.00   72.00   3.00  274        MZPP           PP    3 5 4 6       P    V8      25 V)    G( <*      <) D*       7L
L                              68            5A                                             P=    Q2 Q-                        3
```

```
K  F  F R O M - T O -  I N T RECOV  MD X ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                           R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      69.00   74.00        80% OF BI-PHENOS ALTERED TO CL BELOW 69M.
R      69.00   74.00        ABUNDAND F-GRAINED PINK-COLOURED KF IN MATRIX.
R      70.30   70.30        FAULT ZONE.

/      72.00   75.00  3.00  280        MZPP          PP   3 5 4 6     P   V2     70 V+       P.       <) D(       7L
L                            63             5A                                                                       4

/      75.00   78.00  3.00  267        MZPP          PP   3 5 4 6     P   V1     60 4=    G( <*       D* D-       7L
L                            11             5A              0                    E) P= Q+ Q- C.                      4

/      78.00   81.00  3.00  264        MZPP          PP   3 5 4 6     P   V6     25 4=    G( <*       D* D-       7L
L                           132             5A              0                    E) P= Q+ Q- C.                      1

/      81.00   84.00  3.00  266        MZPP          PP   3 5 4 6     P   V1     60 4+    G( <*       D* D-       7L
L                           107             5A              0                    E) P= Q+ Q- 00                      2

/      84.00   87.00  3.00  279        MZPP          PP   3 5 4 6     P   V6     60 4=    G( <*       D* D-       7L
L                            82             5A              0                    E) P= Q+ Q- C.                      2

/ FLT  86.50   86.60  0.10           + FAUL                           R   FZ     60       G9 P)       D)
L                                                                                                                    0

/      87.00   90.00  3.00  212        MZPP          PP   3 5 4 6     P   V2     40 4=    00 <*       8) D(       7L
L                            72             5A              0                    E* P= Q= Q- C.                      3
R      87.00   90.00        INTENSE CHLORITIZATION OF BI-PHENOS.

/      90.00   93.00  3.00  300        MZPP          PP   3 5 4 6     P   V1     65 00    Q) <)       D* D-       7L
L                            64                                                     P1                               0
R      90.00   93.00        INTENSE ALTER. OF PF-PHENOS TO SER. AND PALE-GREEN WAXY
R      90.00   93.00        MONTMORILLONITE (?).

/      93.00   96.00  3.00  270        MZPP          PP   3 5 4 6     P   V1     60 4)    G( <*       D* D-       7L
L                            18                                                                                      1

/      96.00   99.00  3.00  262        MZPP          PP   3 6 4 6     P   V5     65 4+    G* <)       D* D(       7L
L                            35             5A              0             V1     63 E) Q= P1             <.          2
R      96.00   98.80        PF-PHENOS ARE C-GRAINED AND ANGULAR, IN MAFIC--RICH MATRIX.

/ CNT  98.80   99.00  0.20           = QZPP          PP   2 5 2 5     R   CU     60                   D)          5L 7T
L                                    AP 6A                  0                    P= P+                               0
R      98.80   98.80        CONTACT ZONE NOT VERY SHARP.

/      99.00  102.00  3.00  296        QZPP KF QZ    PP VG 2 5 2 5    P   V2     60 4+       <+       8+          5L 7T
L                            00      AP 6A                  0                    E) P+                   D.          1
R      99.00  102.00        QZPP+CONTAINS BLOCKS AND FRAGS OF MZPP.
R      99.00  102.00        QZPP HAS ROUNDED QZ-PHENOS (I-5MM) AND TR OF DISS-CP IN VUGS
R      99.00  102.00        AND FRCTS.  MO OCCURS IN QZ-< AND AS DISS.

/     102.00  105.00  3.00  240        QZPP KF QZ    PP VG 2 5 2 5    P   V2     60 4+       <+       8+ D(       5L 7T
L                             0      AP 6A                                                           <.          2

/ CNT 102.40  103.00  0.60           2 MZPP          PP 00 3 6 4 6    R   C/     75                   D)          7T
L                                           5A              0                    P(    Q+                            0
```

```
K  F   F R O M - T O -  I N T RECOV  MD % ROCK  TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      105.00  108.00  3.00  287       QZPP          PP VG 2 5 2 5       P    V5      55 4=       <)       D* D(        5L
L                                        AP 5A                 O                       P) Q.                 <.           3

/      108.00  111.00  3.00  242       QZPP          PP VG 2 5 2 5       P    V3      50 4=       <)       D* D.        5L

/      111.00  114.00  3.00  278       QZPP          PP VG 2 5 2 5       P    V1      65 4=       <)       D* D(        5L
L                             41         AP 6A                                                                <(           3
R      113.70  113.75       MZPP DYKE WITH PINK-KF E' AT CONTACT WITH QZPP.

/      114.00  117.00  3.00  237       QZPP          PP    2 5 2 5       P                V+    G) <)       D*           5L
L                              0         AP 6A                 O                       P+                    <.           3
R      114.00  122.00       BADLY BROKEN CORE.

/ FLT  117.00  120.00  3.00  154       QZPP          PP    2 5 2 5       P                00    G1 <)       D*           5L
L                              0         AP 6A                                                          D)               0
R      117.00  120.00       FAULT ZONE.  ABUNDANT CLAY AND SULPHIDE GOUGES.
R EDT  117.26  325.22       NO AZIMUTH FOR S001,S002 AND S003.

/ CNT  120.00  123.00  3.00  234       MZPP                              P                V(    G)          D) D.
L                              0            5A                                         P1 Q=                 S.           0
R      120.00  123.00       INTENSELY ALTERED MZPP-CONTACT PHASE WITH QZPP.
R      120.00  123.00       CNT ZONE NOT VISIBLE DUE TO BROKEN CORE.

/ CNT  123.00  126.00  3.00  226       QZPP          PP .  2 5 3 5       P                V+    G) <)       D) 00        5L
L                              0         AP 5A                                         P+                    D.           2
R      123.00  125.00       CONTACT ZONE BETWEEN CNT-PHASE MZPP AND QZPP.

/      126.00  129.00  3.00  260       QZPP          PP    2 5 3 5       P    V3      40 V+    G) <)       D) 00        5L
L                              0         AP 6A                                         P+                    <.           3

/      129.00  132.00  3.00  188       QZPP          PP    2 5 3 5       P    V3      35 V+    G) <)       D) 00        5L
L                              0         AP 5A                                         P+                    <-           4
R      129.00  137.00       BADLY BROKEN CORE.

/      132.00  135.00  3.00  210       QZPP          PP    2 5 3 5       P    V3      20 V+    G) <)       D) 00        5L
L                              0         AP                                                                               7

/      135.00  138.00  3.00  289       QZPP          PP    2 5 3 5       P    V3      35 5=       <*       D) D.        5L
L                              0         AP 7A                 O                       P)                    <(           7
R      137.50  137.60       INCLUSION OF MZPP IN QZPP, WITH TR OF CP-DISS IN VUGS.

/      138.00  141.00  3.00  159       QZPP          PP    2 5 3 5       P    V3      50 5=       <*       D) D.        5L
L                              0         AP 7A                                                               <-           Y

/      141.00  144.00  3.00  259       QZPP                              P    V3      45 5=       P.       D* 00        5L
L                             61         AP 7A                                         P)                    <(           Y

/ DYK  142.19  142.54  0.35          = MZPP PF    BI2 PP                 R    DT      75 5*                    D.
L                                           5A                                DB      45    Q1 Q)                         1

/      144.00  147.00  3.00  245       QZPP                              P    V3      50 4=                D)
L                             48         AP 6A                                         P=                    <-           8
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G E O L O G                                     SASKATCHEWAN MINING DEVELOPMENT CORP.
                                                WHITING CK PORPHYRY MO-CU DEPOSIT BC                                   PAGE - 5
                                        DRILLHOLE/TRAVERSE ---  WCDH034 --- (CONTINUED)

K  F  F R O M - T O - I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R O D  AGE EV RQ LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      147.00  150.00  3.00  212        QZPP                              P    V3      30 4=                8+
L                             40          AP 6A                                V2      60    P=                <-            X

/ FLT  150.00  153.00  3.00  106        QZPP                              P    V5      70 4=    G+          D)
L                             40          AP 6A                                              P=                <.            Y
R      152.00  153.00     BADLY BROKEN CORE IN FAULT ZONE.

/ FLT  153.00  156.00  3.00  140        QZPP                              P                     G5 P*       D)
L                                         AP 7A                                                                              0
R      153.00  159.00     FAULT ZONE, BADLY BROKEN CORE AND OVER 40% GOUGE (CLAY AND
R      153.00  159.00     SULPHIDE).

/ FLT  156.00  159.00  3.00   92        FAUL                              P                     G8 P*       D)              0
L                              0             6A

/      159.00  162.00  3.00  168        QZPP           PP    2 5 3 5      P    V1      60 V)    G*          8)          5L
L                              0          AP 6A                    0                         Q2                              3

/      162.00  165.00  3.00  261        QZPP                              P               V-                D)          5L 7T
L                             52          AP 6A                                           P* Q1 P-                           0
R      164.50  164.60     TR OF KF (PINK) IN MATRIX OF QZPP NEAR MZPP-DYKE.

/ DYK  164.60  164.75  0.15           ) MZPP                              R    DT      70                   D)
L                                            5A                                DB      50 P- P) P-                           0

/      165.00  168.00  3.00  290        FELS                              P               Q)                8+          5L
L                             90             6A                                           P* Q1 P=                           2
R      165.00  187.40     FELS IS INTENSELY ALTERED NEAR CNT WITH MZPP, SHOWING WEAK
R      165.00  187.40     POTASSIC ALTERATION AND HAS ABUNDANT SER AND CL IN MATRIX.
R      165.00  187.40     MATRIX HERE IS LOCALLY PALE-PINK COLOURED.

/ FLT  168.00  171.00  3.00  149        FELS                              P               00    G4          8+          5L
L                             00             5A                                           00                                 0
R      168.50  171.00     FAULT ZONE.

/ FLT  171.00  174.00  3.00  125        QZPP                              P                     G6          8)          5T
L                             00             5A                                              P= Q*                           0

/ DYK  173.00  174.00  1.00           3 MZPP           PP                 R    DB      40                   D*       MM 7T
L                                            5A                                           P) Q) Q)                   Q*      0
R      173.00  174.00     MZPP HAS PALE-GREEN WAXY PHENOS OF MM(?) AFTER PF-PHENOS.

/ CNT  174.00  177.00  3.00  246        FELS                 2     4      P    V5      45 4=                            5L 7T
L                              0          AP 6A                    0                                           <-            6
R      174.00  174.10     DYKE LOWER CNT MARKED BY SHEAR GOUGE ZONE.

/      177.00  180.00  3.00  285        FELS                              P    V6      55 V)    G+ F-       D*          7T
L                              0          AP 6A                                           P( Q1                <.            2
R      177.00  180.00     SEVERAL 2 TO 5 CM MZPP-DYKES IN QZPP.

/ DYK  177.74  178.00  0.26           = MZPP                              R    D/      20                            MM
L                                            5A                                           P+ Q+ Q)                   Q*      0
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```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 IO AZM DIP QZ BI CY CR MG GY PY CP GL YY  F I Z I
F -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                             R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/ CNT  180.00  183.00   3.00  290        QZPP                               P    V6      30 V)       <*       D*          7T
L                              19            6A                                              P* P1                              3

/ DYK  180.80  181.36   0.56           X MZPP                               R    DB      70 00       00       D.
L                                            5A                                              00 P- Q)                           0
R CNT  182.60  182.75      MINOR MZPP-DYKE.

/      183.00  186.00   3.00  300        QZPP                               P    V8      60 5)       <(       8+ D-       8T
L                              19            9R                                  V6      70 P) P2                <-         2
R      184.40  184.60      MINOR MZPP-DYKE IN QZPP, CNT AT 65 DEGREES,FELS GRADES INTO QZPP

/      186.00  189.00   3.00  269        QZPP                               P    V3      20 V)                D(          7T
L                              00          AP 9R                                             P- P=                   <-         3
R      187.25  187.40      TRN ZONE MARKED BY SHEAR GOUGE, ABUNDANT CA-F AND MM-Q ?

/      187.40  189.00   1.60           2 MZPP PF KF BI3 PP   3 5 6 6        R                            <)                MM 7T
L                                            5A                      0                       P+ Q1                     Q(       0

/      189.00  192.00   3.00  232        MZPP                               P                            <)       D.       MM 7T
L                              72                                                            P+ Q1                     Q(       0
R      189.00  192.00      MZPP IS WEAKLY PORPHYRITIC, BI ONLY WEAKLY ALTERED TO CL.
R      189.00  192.00      SER AFTER PF IS COMMON.

/      192.00  195.00   3.00  300        MZPP          PP    3 5 5 6        P    V6      30 <)       <)       D*       MM 7T
L                              37            6A                      0                       P+ P+       C=       <-    Q-       0

/      193.70  194.22   0.52           X FLPP PF    BI1 PP   2 5 3 5        R    DT      75                   D) D.
L                                            3A                      0           DD      60                                     0
R      193.70  194.22      PF PHENOS AND MINOR BI-PHENOS IN F-GRAINED KF & PF GROUNDMASS.

/      195.00  198.00   3.00  256        MZPP                               P    V1      60 V)       <)       8+ D.       7F
L                              32            6A                                              E+ P+ Q(                           0
R      196.80  196.90      PY-VEINS WITH 1 TO 2 MM PINK-KF ENVELOPES.

/      198.00  201.00   3.00  300        MZPP                               P    V6      40 V)       <)       8+ <(       7F
L                              19            6A                                  V7      30                                     8

/      201.00  204.00   3.00  284        MZPP                               P    V8      80 V)       <)       8+ D.       7F
L                             128            6A                                  V2      25                      D.             2

/      204.00  207.00   3.00  270        MZPP                               P    V6      50 V)    G1 <)       D* 00    MM 7F
L                              60            5A                                              P+ P2 Q)                  Q+       2
R      204.00  214.00      INTENSELY ALTERED PF (TO MM ? AND SER.), STRONGLY CHLORITIZED BI
R      204.00  214.00      NEAR FLT ZONE.

/ FLT  207.00  210.00   3.00  178        MZPP                               P    V1      60 V)    G7 <)       8+ D.       7F
L                               0            5A                                                                        Q)       0

/ FLT  210.00  213.00   3.00  232        MZPP                               P    V1      60 V)    G2 <)       8+ D.       7F
L                               0            5A                                                                  00    Q*       0
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV NO LC TM QM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      210.00  217.00            BADLY BROKEN CORE.

/      213.00  216.00   3.00  200        MZPP           PP    3 5 5 6       P                       G2 <*          D-       7T
L                               0             5A                    0                      E) P= Q)                          0

/      216.00  219.00   3.00  230        MZPP           PP    3 5 5 6       P    V1      50 V)       G2 <*          D-       7T
L                               0             5A                    0                      E) P= Q)                          2

/      219.00  222.00   3.00  270        MZPP           PP    3 5 5 6       P    V1      55          G2 <*          8) <-    7T
L                               0             5A                    0            V2      80 E) Q) Q)                         1

/      222.00  225.00   3.00  290        MZPP           PP    3 5 5 6       P    FZ      70          G2 <*          D- D-    7T
L                              36             5A                    0            V6      50 E) P= Q)                         2
R      224.50  225.00            FAULT ZONE.

/      225.00  228.00   3.00  242        MZPP           PP    3 5 5 6       P    V1      65          G2 <*          D- <(  MM 7T
L                              21                                                                                  Q-        1

/      228.00  231.00   3.00  270        MZPP           PP    3 5 5 6       P    V2      60          G2 <*          D-       7T
L                               0                                                                                            1

/      231.00  234.00   3.00  245        MZPP           PP    3 5 5 6       P    V5      60          G2 <*          D- D-    7T
L                              18                                                                               S.           2

/      234.00  237.00   3.00  270        MZPP           PP    3 5 5 6       P    V5      25 V*          <)          D) <-    7L
L                              29             5A                    0                      E+ P*                        S.           1

/      237.00  240.00   3.00  300        MZPP           PP    3 5 5 6       P    V8      20 4)          <)          D) D*    7L
L                              12             5A                    0            V2      60 E+ P*                  D-           2
R      237.00  243.00            PY-CP MICROVEINS HAVE 1 TO 2 MM KF-E'.  LATE QZ-MO VEINS LACK
R      237.00  243.00            POTASSIC E'.
R      237.00  249.00            ABUNDANT CP-DISS IN FRACTURES AND QZ-MO VEINS.

/      240.00  243.00   3.00  227        MZPP           PP    3 5 5 6       P    V2      60 4+          <)          D) <-    7L
L                              61                                                V5      20                                  6

/      243.00  246.00   3.00  289        MZPP           PP    3 5 5 6       P    V5      15 V*          <)          D) D)    7L
L                             123                                                                                            5

/      246.00  249.00   3.00  234        MZPP           PP    3 5 5 6       P    V5      45 V*          <)          D) <-    7L
L                              20                                                                                            3

/      249.00  252.00   3.00  300        MZPP           PP    3 5 5 6       P    V5      55 V*          <)          8+ <-    7L
L                              17                                                                                            0

/      252.00  255.00   3.00  284        MZPP           PP                  P    V5      45 4)       G= <*          D) D*  MM 7F
L                               0             96                                           E) P+ P+                 D.     U)        2
R      252.00  264.00            ABUNDANT MM (?) AFTER PF-PHENOS, BI ALTERED TO CL.

/ FLT  255.00  258.00   3.00  167        MZPP           PP                  P    V5      45 4)       G7 <*          D) 00  MM 7F
L                               0                                                                                   00     Q=        0
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ HI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R      255.00  261.00      INTENSE SHEAR ZONE.

/ FLT  258.00  261.00   3.00  240        MZPP            PP                  P    V5      25 4)    G= <*       D) D*    MM 7F
L                                0                                                                                S.             1

/      261.00  264.00   3.00  184        MZPP            PP                  P    V5      45 4)    G= <*       D) D*    MM 7F
L                                0                                                                                               0
R      261.00  274.00      LESS THAN 2% UNALTERED BI.

/ FLT  262.70  264.00   1.30           2 FAUL                                R                     69
L                                              5A                                                                                0

/      264.00  267.00   3.00  245        MZPP            PP                  P    V5      15 4)    G= <*       D) 00    MM 7F
L                               24                                                           P*                   <-             1

/ FLT  264.00  265.50   1.50           5 FAUL                                R                     G9             V.
L                                                                                                                 00             0

/ FLT  267.00  270.00   3.00  278        MZPP            PP                  P    SH      60 4)    G3 <*       D) D.    MM 7F
L                                0                                                                                00             0
R      267.00  270.00      SEVERAL SHEAR ZONES MARKED BY GOUGES.

/      270.00  273.00   3.00  264        MZPP            PP                  P    V6      40 4)    G= <*       D) D*    MM 7F
L                                0                                                                 P=             D.             1

/      273.00  276.00   3.00  282        MZPP                                P    V5      70 4*       <)       D) D-       7L
L                                0             5A                                            E) P) P*             S.             2

/      276.00  279.00   3.00  258        MZPP                                P    V6      35 4*       <)       D) D*       7L
L                               28             5A                                            E) P) P*             S.             2

/      279.00  282.00   3.00  300        MZPP                                P    SH      80 4*    G3 <)       D) D-    MM 7L
L                               30             5A                                            P) P) P+             00    Q=       1

/      282.00  285.00   3.00  298        MZPP                                P    SH      75 4*    G3 <)       D) <-       7L
L                               17             5A                                 V2      30 E) P) P*             S.             1

/      285.00  288.00   3.00  288        MZPP                                P    V5      20 5)    G+ V*       D) D-       7L
L                               15             5A                                            E) P) P)             <.             2

/      288.00  291.00   3.00  253        MZPP                                P    V2      75 4*       <)       V) D-       7L
L                                0             5A                                            E) P) P*             S.             2

/      291.00  294.00   3.00  289        MZPP        BI1 PP    3 5 5 6       P    V1      55 V*       <)       D+ B*       7L
L                                0             5A                    O                       P+ P) Q*                            3
R      291.00  297.00      BADLY BROKEN CORE.  BI IS WEAKLY ALTERED TO CL-Q.

/      294.00  297.00   3.00  250        MZPP        BI1 PP VG 3 5 5 6       P    V5      20 V*       <(       D+ D(       7L
L                                0                                                                                <.             1

/      297.00  300.00   3.00  300        MZPP        BI1 PP 00 3 5 5 6       P    V2      60 V*        00   <* D+ B*    AH 7T
L                              174                                                                 Q(    C.       00    V-       1
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      297.00  325.22      MZPP IS WEAKLY ALTERED AND UNFRACTURED.  AN/GY VEINS ARE
R      297.00  325.22      COMMONLY ASSOC. WITH DISS-PY AND CP.

/      300.00  303.00  3.00  298       MZPP       BI1 PP    3 5 5 6       P    V2      75 V*        <)    00 D+ D-     AH 7L
L                            125                                               V4      55 E+                             V*       1
R      300.00  303.00      ABUNDANT KF-ENVELOPES AROUND AN-VEINS.

/      303.00  306.00  3.00  286       MZPP       BI1 PP    3 5 5 6       P    V1      60 V*        <)    <* D+ 8*        7L
L                             15                                               V4      40               00       D.               2
R      305.00  305.00      TR DISS-MO IN GY-<.

/      306.00  309.00  3.00  293       MZPP       BI1 PP    3 5 5 6       P    SH      50 00     G1 <)       D+ D.        7L
L                            122                                                                            00                0
R      308.60  309.98      FAULT ZONE, SUB-PARALLEL SHEAR ZONES WITH FRACTURE-FILLING CA.

/      309.00  312.00  3.00  262       MZPP       BI1 PP    3 5 5 6       P    SH      50 4*     G3 F)    <) D+ 8*     AH 7L
L                            121                                               V5      25                        <.     V*       1

/      312.00  315.00  3.00  292       MZPP PF    BI1 PP VV 3 5 4 6       P    V2      75 5+        <* <* <( 8) D*     AH 7L
L                            142            5A                    0            V4      43 E+ P* Q-          X-        <)       1

/      315.00  318.00  3.00  292       MZPP PF    BI1 PP VV 3 5 4 6       P    V4      40 00        <* 00 <* 8) D(     AH 7L
L                            192            5A                    0            V4      43 E+ P* Q*     C.    00 D.     <)       0

/      318.00  321.00  3.00  292       MZPP PF    BI1 PP VV 3 5 4 6       P    V2      75 5+        <* <( <( 8) D*     AH 7L
L                            145                                                                    00                          0
R      318.00  318.10      TR MO AND CP IN AH-VEIN.

/      321.00  324.00  3.00  285       MZPP PF    BI= PP VV 3 5 4 6       P    V5      45 5)        <* <- <( 8) D*     AH 7L
L                            187                                               V4      45 P+ P) Q*                                  1

/      324.00  325.22  1.22  120       MZPP PF    BI1 PP VV 3 5 4 6       P    V2      75 5+        <* <* <( 8) D*     AH 7L
L                             70                                                                                                  0
R      325.22  325.22      DDH 034 ENDS IN MZPP AT 325.22 M.

R SUM                        DDH 34 WAS COLLARED IN MZPP; QZPP WAS INTERSECTED

R SUM                        AT 98 TO 187 M, THEN MZPP FROM 187 TO THE BOTTOM OF THE HOLE.

R SUM                        MZPP IS WEAKLY PORPHYRITIC, PF AND BI PHENOS ARE WEAKLY ALTERED

R SUM                        EXCEPT NEAR FAULT ZONE AND IN CONTACT WITH QZPP WHERE PF

R SUM                        ALTERED TO SERICITE AND PALE-GREEN WAXY MONTMORILLONITE (?)

R SUM                        AND BI TO CL AND CLAY.  MZPP COMMONLY HAS PINK KF-ENVELOPES

R SUM                        AROUND QZ-PY AND CA VEINS, PERVASIVE KF ALSO APPEARS IN THE

R SUM                        MATRIX OF STRONG ALTERED ZONES.  MZPP HAS TR OF CP AND MO

R SUM                        IN FRACTURES AND IN QZ-VEINS.  MC WAS OBSERVED WITH CP AT
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R SUM 18.7 M; BO AND CP-V AT 37.3 M. QZPP IS WEAKLY MINERALIZED
R SUM (TR OF MO AND CP), QZ VEINING WAS SCARCE (AVERAGE LESS THAN
R SUM 10/3 M). WEAK PHYLLIC ALTERATION OCCURED THROUGHOUT QZPP.
R SUM SEVERAL MZPP DYKES CUT QZPP, THEY ARE USUALLY <1 M THICK.
R SUM ANHYDRITE AND GYPSUM VEINS ARE COMMON IN MZPP BELOW 297 M AND
R SUM SOME VEINS CONTAIN MO & CP. MZPP IS WEAKLY ALTERED AND
R SUM UNFRACTURED IN THE AH-GY ZONE.
R SUM SIGNIFICANT FAULT ZONES WERE INTERSECTED AT: 86.5 M; 117 TO
R SUM 120 M; 152 TO 159 M; 165 TO 171 M; 207 TO 216 M; 255 TO 261 M
R SUM 262 TO 270 M; 279 TO 285 M; AND 308 TO 312 M.

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                                                G E O L O G   E D I T   L I S T I N G                                SYSTEMS ENGINEERING BY
                                                                                                              INTERNATIONAL GEOSYSTEMS CORP.

                                                 SASKATCHEWAN MINING DEVELOPMENT CORP.
                                                 WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                                             FORMAT VERSION : 6802

ORILLHOLE/TRAVERSE : WCDH035          COLLAR ELEVATION:        1522.00          AZIMUTH( DEG ) :  273.00          GEOLOGGED BY : DTC + RTK
TOTAL DEPTH/LENGTH :  185.02          NORTHING(- IF S):        2544.00          VERTICAL ANGLE :  -59.00          DATE (YY/MM/DD): 810900
CORE/HOLE DIAMETER :      NQ          EASTING (- IF W):        2346.00          CO-ORD SYSTEM  :   MAP            PROJECT NUMBER :    4942

                                   SEQ. NO OF      LENGTH FROM COLLAR      AZIMUTH    VERT. ANGLE
                                  SURVEY DATA       TO SURVEY POINT        ( DEG )      ( DEG )

                                       1                 91.40              0.00        -65.00
                                       2                183.60              0.00        -66.00

R HED                            DDH 35 COMMENCED ON 4 SEPT 81, COMPLETED 10 SEPT 81.

   F   - I N T E R V A L -     CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI    STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM     RT    TM QM2 TX TX S R S O S         T ID STK DIP KF MU CL FP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3     3  4 O N H /  M         2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                         DESIG      VIR   COL            R D P C   L          STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2


/ OVB    0.00   22.58  22.58  0           OVER                          P
L
R EDT    0.00  183.60       NO AZIMUTH FOR S001 AND S001.

/ WTH   22.58   24.00   1.42  140         QZPP KF QZ     PP VG 3 4 2 5        P                V)    G+                    LI
L                               0           AP 8A                  0                              P(                        C1      4

/ WTH   24.00   27.00   3.00  180         QZPP KF QZ     PP VG 3 4 2 5        P                V)    G+                    LI 5T
L                               0           AP 8A                  0                              P(          P+            C1      4

/ DYK   26.70   27.00   0.30          1 QMPP PF     QZ= PP    3 5 4 5         R                      G1
L                                           7A      KF             0                              P=            D.                  3
R       26.70   27.00       ACTUAL CONTACT NOT OBSERVED DUE TO BADLY BROKEN CORE.

/ DYK   27.00   30.00   3.00  217         QMPP PF      QZ= PP VG 3 5 4 5       P                      G2          D.        LI 5F
L                              68           7A      KF                                            Q=                        C=      0
R       27.00   36.00       MZPP DYKE IS PORPHYRITIC AND HAS ABUNDANT 2 TO 8 MM PF-PHENOS
R       27.00   36.00       WITH TR OF <2 MM QZ-PHENOS IN FINE-GRAINED MATRIX  OF KF.
R       27.00   36.00       MZPP IS INTENSELY ALTERED.
R       28.90   30.90       FAULT ZONE.

/ DYK   30.00   33.00   3.00  208         QMPP PF      QZ= PP VG 3 5 4 5       P    V6       75 V-    G2          D*        LI 5F
L                              00                                                                                                   1
R       30.00   33.00       MZPP-DYKE IS SIMILAR TO THE ONE INTERSECTED AT THE TOP OF
R       30.00   33.00       DDH 25.

/ DYK   33.00   36.00   3.00  260         QMPP PF      QZ= PP VG 3 5 4 5       P    D8       75       G2          D.        LI 5F
L                              30                                                                               00     C2       2
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ CNT   36.00   39.00   3.00  235         QZPP KF QZ     PP VG 3 5 2 5        P    C/       75 4+    G*           D.       FM 5F
L                             32            AP 8A                    0             V5       70    P+            LI    Q*   C)      2
R       36.00   36.10       CNT WITH PPFQ MARKED BY QZ-V.
R       36.00   39.00       ABDT.  FERRIMOLYBDENITE-C IN VUGS.

/ MSX   39.00   42.00   3.00  297         QZPP KF QZ     PP VG 3 5 2 5        P    C/       75 4+    G*           D.       LI 5F
L                             38                                                                              FM    D)   C3      2
R       41.57   42.00       MSX ZONE.  DISS. MO UP TO 5% LOCALLY WITH ABUNDANT FM-C.
R       41.57   42.00       INTENSE WX.  WITH ABUNDANT VUGS AND LI-C.
R       41.57   42.00       CNT WITH QZPP IS MARKED BY A VUGGY LI-C ZONE WITH MSX MO.

/ WTH   42.00   45.00   3.00  282         QMPP PF    QZ1 PP VG 3 5 4 5        P    C/       60                      D(               0
L                             33              5A                     0                                                  D-

/       43.50   43.80   0.30           1 FAUL                                 R    F/       70       G7                            LI
L                                                                                                                                  C2      0

/       45.00   48.00   3.00  258         QMPP PF    QZ1 PP VG 3 5 4 5        P    C/       60                      D(          5B  0
L                             60                                                                                        D.           0
R       45.00   46.20       PFFQ IS STRONGLY ALTERED.

/       46.20   48.00   1.80           3 QZPP KF QZ     PP RB 3 5 2 5        R                   5+    G1                            LI
L                                           AP 8A                    0                          P=            FM    V(   C3      0

/ WTH   48.00   51.00   3.00  215         QZPP           PP VG                P                   V)    G1           D.       LI 5B
L                             63            AP                                                   P1            FM    D-   C3      2
R       48.00   51.00       DISS. MO ARE VUG FILLING, BADLY BROKEN CORE IN STRONG WX VUGGY
R       48.00   51.00       ZONE. STRONG SER IN MATRIX OF QZPP.

/ SSX   51.00   54.00   3.00  207         QZPP           PP VG                P    V2       65 4)    G1           8+       CC 5B
L                             00                                                                              BO    D)           2
R EDT   51.00   54.00       IN COLUMNS 75-76 UNDER KEY L THE AMOUNT SHOULD HAVE BEEN
R       51.00   54.00       ENTERED, NOT MINERAL.
R       51.00   54.00       BADLY BROKEN CORE, SSX ZONE: CC ON PY,BO; ABUNDANT DISS-MO
R       51.00   54.00       IN STRONGLY SER QZPP.  MO UP TO 5% LOCALLY.
R       51.00   54.00       TR OF BRECCIATED QZ-MO VEIN.

/       54.00   57.00   3.00  257         QZPP           PP VG 3 5 2 6        P    V5       55 5)                   V)          5F
L                             0             AP 8A                    0                          P=                  <(           1

/ CNT   56.10   57.00   0.90           3 QMPP                  3 5 4 6        R    DT       70
L                                             7A                     0                                                               0
R       56.10   57.70       CONTACT ZONE,QFPP IS INTENS. SERICITIZED.

/ DYK   57.00   60.00   3.00  234         QMPP PF    KF  PP                   P    V1       53 V*    F*           D)          5B
L                             0               6A    QZ1                                          P1 Q)              <-           1
R       57.00   60.00       MZPP HAS FINE-GRAINED-KF IN GROUNDMASS 2 TO 4 MM PF PHENOS
R       57.00   60.00       AND STRONGLY CHLORITIZED BI (1 TO 2 MM PHENOS).

/       60.00   63.00   3.00  273         QMPP PF    KF  PP                   P    V1       60 00    F*           7)          5B
L                             0                                                                                     00           0
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K  F  F R O M - T O -  I N T RECOV MO % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R       60.00   63.00      ABUNDANT SUB-PARALLEL CLAY (WHITE, WAXY) FILLED FRCTS: 50 TO
R       60.00   63.00      55 DEGREES DIP FROM SHORT CORE-AXIS.

/       63.00   66.00   3.00  256       QMPP PF   KF  PP                  P    V1      70 V*    F*          D)          58
L                               0                                                                P)                            0
R       63.00   66.00      1 TO 2 MM PHYLLIC E' AROUND PY-V.

/       66.00   69.00   3.00  264       QMPP PF   KF  PP                  P    V1      80 V*    F+          D)          58
L                               0                                                                                              0

/       69.00   72.00   3.00  247       QMPP PF   KF  PP                  P    V1      65 V*    F*          6+          58 7T
L                              30                                                          E(                                 0

/ CNT   72.00   75.00   3.00  255       QMPP PF   KF  PP                  P    V1      65 V*    F*          D)          58
L                              14                                                                                              0

/       72.50   75.00   2.50           8 APLT          PP VG 3 4 1 5       R    V3      40 5)    G#          D+          5M
L                                             8A                   0            V1      75    P1                <=            2
R       72.50   78.00      APLIT IS WEAKLY PORPHYRITIC, 0.5 TO 1 MM QZ PHENOS, PHYLLIC E'
R       72.50   72.70      CNT ZONE MARKED BY INENSELY ALTER QZPP WITH ABUNDANT DISS-PY.
R       72.50   78.00      AROUND QZ-MO VEINS.
R       72.50   83.40      BADLY BROKEN CORE.

/       75.00   78.00   3.00  235        APLT          PP VG 3 4 1 5       P    V3      55 5+    P+          D)          58
L                               0             8A                                              P1                <*            5

/       78.00   81.00   3.00  216       QZPP           PP VG 3 4 2 5       P    V3      50 5+    P+          D)          58
L                               0          AP 8A                   0            V6      55    P1                <)            6
R       78.00   81.00      ABUNDANT SUB-PARALLEL QZ-MO, MO, AND QZ VEINS.

/       81.00   84.00   3.00  162        APLT          PP VG 3 4 1 5       P    V1      50 5+    P+          D)          58
L                               0                                                                               <*            5

/ DYK   83.40   84.00   0.60           2 FBPP PF   BI  PP    3 5 4 5       R    DT      45       G=          <*
L                                             5A                   0                          Q+ Q*                           0
R       83.40   83.50      CNT MARKED BY GOUGE ZONE.

/ DYK   84.00   87.00   3.00  207        FBPP PF   BI1 PP    3 5 4 5       P    V1      50       G+          <)          7T
L                               0          AN 5A                   0                       E* P= Q+                           0
R       84.00   87.00      BI-PHENOS PARTLY REPLACED BY CL.  ABUNDANT F-GRAINED ( <1 MM )
R       84.00   87.00      BI CRYSTALS IN GROUNDMASS.
R       86.40   87.00      FAULT ZONE.  PF-PHENOS STRONGLY ALTERED TO SERICITE AND
R       86.40   87.00      CLAY-MONTMORILLONITE (?).

/ DYK   87.00   90.00   3.00  248        FBPP PF   BI1 PP    3 5 4 5       P    V1      75       F)          <)          7T 5M
L                               0                                                             P2    Q.                        0
R       87.00   90.00      EP AFTER FX.

/ DYK   90.00   93.00   3.00  250        FBPP PF   BI= PP    3 5 4 5       P    V1      65       G+          <+          7T
L                               0             5A                                                 Q=                           0

/ CUT   93.00   96.00   3.00  254        APLT          PP VG 3 4 1 5       P    V3      75 V*    G2          <)          5F
L                               0 .           7A                   0            V1      70    P+                <-            3
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K  F   F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L-  ----.-- ----.-- ---.-- ---.--  -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                           R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ DYK   93.88   94.03   0.15          = FBPP PF    BI  PP    3 5 4 5        R    V1     65         P+          <)          7T
L                                        AN 4G                   0                         Q= Q)                                0
R       95.00   96.00      FAULT ZONE MARKED BY EXTREMELY FRACTURED CORE AND GOUGE ZONES.

/       96.00   99.00   3.00  172        APLT          PP VG 3 4 1 5        P    V3     40 V)      G1          8+          5F
L                                0           7A                  0                            P+                <-           2
R       96.00   99.00      F-GRAINED QZ-FX GROUNDMASS WITH FEW QZ-PHENOS.  APLIT IS WEAKLY
R       96.00   99.00      PP.

/ FLT   99.00  102.00   3.00  208        APLT          PP VG 3 4 1 5        P    V3     40 00      G2          D+          5F
L                                0           8A                                                                 D.           0
R       99.00  102.00      EXTREMELY FRACTURED CORE.  DISS-PY IN VUGS AND <1 MM PITS.

/      102.00  105.00   3.00  216        APLT          PP VG 3 4 1 5        P    V3     55 V)      F=          D)          5F
L                                0                                               V1     50                                      0

/      105.00  108.00   3.00  242        APLT          PP VG 3 4 1 5        P    V1     40 V)      G1          8+          5F
L                                0                                               SH     70                                      0

/      108.00  111.00   3.00  267        APLT          PP VG 3 4 1 5        P    V1     65 V)      G1          8+          5F
L                                0                                               CT     70                                      0
R      108.00  111.00      BOXWORK OF PY IN FRCTS.

/      109.86  110.20   0.34           X ANDS FX       00 00 2 3 1 3        R    V1     65 00                  <)          5T
L                                            2A                  0               CB     70    E* P-                             0

/      111.00  114.00   3.00  260        APLT                               P    V3     48 4)      F+          <)          5F
L                                0           8A                                  V1     80    F)                <-              ;

/ FRC  114.00  117.00   3.00  135        APLT          PP VG 3 4 1 5        P    V5     50         G4          D)          5F
L                                0           8A        SH        0               SH     75    P+                <.              0
R      114.00  117.20      FAULT ZONE WITH EXTREMELY FRACTURED CORE.

/      117.00  120.00   3.00  158        APLT          PP VG 3 4 1 5        P    V5     50         G1          D)          5F
L                                0                                                                                              0
R      117.00  120.00      CONTACT ZONES MARKED BY FAULT GOUGE.

/ DYK  117.96  120.00   2.04          2 PPAN PF    BI  PP    3 5 3 5        R    V1     58         G4          <)          5L 7T
L                                            2A                  0                           E. Q+    Q.                        0

/      120.00  123.00   3.00   96        APLT                               P                      G7          D(
L                                0           7A                                               P+                <.              0
R      120.00  121.00      LOST 90% OF CORE.

/ FLT  123.00  126.00   3.00  171        FAUL          SH    3 4 3 5        P    V2     60 V*      G8          V*          MM
L                                0           6A                  0                            Q2                           Q=   2
R      123.00  128.60      FAULT ZONE.  INTENSELY ALTERED QZPP-AP, SERICITE AND MM (?)
R      123.00  128.60      AFTER FX.

/ FLT  126.00  129.00   3.00  119        FAUL          SH    3 4 3 5        P    V2     60 V*      G9          V*          MM
L                                0                                                                                              0
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K  F   F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                      R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       128.00  129.20     BOTH U AND L CNT SF DYKE MARKED BY FAULT (GOUGE ZONE).

/ DYK   128.60  129.00  0.40          1 PPAN PF    BI  PP    3 5 3 5       R    CU      45 V*    G1          <*           7T 58
L                                          3A                    0              V2      75 E( P1 Q+                          1

/ FLT   129.00  132.00  3.00  180       APLT           PP VG 3 4 3 5       P               V*    G2          <(
L                              0           9A                    0                                               D.          1

/       129.00  129.20  0.20          = PPAN PF    BI        3 5 3 5       R    CB      60 V-    G-          <*
L                                          3A                    0                                                           0
R       129.00  132.00     EXTREMELY FRACTURED CORE.

/ FRC   132.00  135.00  3.00  159       QZPP QZ        VG    2             P               P9    G*          D)           9M
L                              0           9A                    0                        P(            <.              0
R       132.00  148.50     FAULT ZONE, EXTREMELY FRACTURED CORE, ROCK IS >90% QZ,
R       132.00  148.50     SILICA-FLOODING LEFT NO REMENENCE OF HOST ROCK (QZPP ?).

/ FRC   135.00  138.00  3.00  192       QZPP QZ        VG    2             P               P9    G*          D)           9M
L                              0                                                                                             0

/ FLT   138.00  141.00  3.00  160       QZPP QZ        VG    2             P               P9    G=          D)           9M
L                              0                                                                        <(                   0
R       138.00  144.00     ABUNDANT CLAY-FILLED FRCTS AND VUGS, RAFTED CLAY FRAGS ARE
R       138.00  144.00     COMMON IN FRC ZONES.

/ DYK   138.20  138.38  0.18          + FELS FX        PP    3 4 3 5       R                     P=                       38
L                                                                0                        Q1                                 0

/ FRC   141.00  144.00  3.00  200       QZPP QZ        VG    2             P               P9    G*          D)           9M
L                              0                                                                                             0

/       144.00  147.00  3.00  120       QZPP QZ        VG    2             P    V1      60 P9    G*          D)           9M
L                              0                                                                                             0

/       147.00  150.00  3.00  160       QZPP QZ        VG    2             P               P9    G*          D)           9M
L                             29                                                                                             0

/ FRC   150.00  153.00  3.00  300       QZPP QZ        VG    2             P    V5      60 P9    G=          <*        CC 9M
L                             60           8A                    0                        P*            <-        C1        2
R       150.00  162.00     MINERAL CANNOT BE ENTERED IN COL. 75-76 UNDER FLAG L (THEN C1 IS
R       150.00  162.00     NOT ENTERED), BUT AMOUNT OF CHALCOCITE (ENTERED IN COL. 75-76
R       150.00  162.00     UNDER FLAG / ).
R       150.00  163.00     NUMEROUS QZ-MO VEIN FRAGS AND MO-QZPP FRAGS IN FRC ZONE.

/ DYK   150.20  150.35  0.15          ) FELS FX        PP    3 4 3 4       R    DT      40       Q+                       3L
L                                                                0                        P+                                 0

/ FRC   153.00  156.00  3.00  272       QZPP QZ        VG    2             P    V5      60 P9    G=          <*        CC 9M
L                             19                                                                                             0

/ DYK   155.80  156.00  0.20          1 FELS FX        PP    2 4 2 4       R                                              3L
L                                                                0                        P+                                 0
```

```
K  F   F R O M - T O -  I N T RECOV  MO % ROCK TM TM OM1 TX TX F C % M TFDM  RI 1 ID AZM DIP OZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----,-- ----,-- ---,-- ---,-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                           R Q D  AGE EV RQ LC TH QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ FRC  156.00  159.00   3.00  249        QZPP QZ        VG    2               P    V5      60 P9     G=          D)        CC 9M
L                              15                                                                                                  0

/      157.87  159.00   1.13          2 PPAN PF        PP    3 5 3 5         R                          G*          D(            SL
L                                               7G                 0                                 P+ P)                          0

/ MSX  159.00  162.00   3.00  250        QZPP QZ        VG    2               P    V3      60 P9     G=          <*        CC 9M
L                              18                                                                                 D*               0

/      159.00  159.50   0.50          = PPAN           PP    3 4 1 4         R                          G)                        SL
L                                               8G                 0                                 P+ P)                          0
R      159.00  159.50       CL AFTER BI.
R      159.71  159.71       MASSIVE MO ZONE, APPROX 10 CM >90% MO-DISS.

/ FRC  162.00  165.00   3.00  253        QZPP QZ        VG    2               P    V5      60 P9     G=          <*        CC 9M
L                              16                                                             P)                  D-               0

/ DYK  165.00  168.00   3.00  286        FBPP PF    BI1                       P                 V(    F-          D)            7T
L                               0          AN 4A                                                 E( Q+ Q* Q-                        1

/      165.00  165.40   0.40          1 QZPP QZ                              R                 P9    G)          D(            9M
L                                               8A                                                 P*             D.               0

/ DYK  168.00  171.00   3.00  274        FBPP PF    BI1                       P    V2      60 V(    F-          D)            7T
L                               0          AN 4A                                                 E( Q+ Q* Q-                        1

/ DYK  171.00  174.00   3.00  300        FBPP PF    BI1 PP    3 4 1 4         P                 V)    V*          V)            7T
L                                               4A                 0                             E-                V.               0

/      172.67  174.00   1.33          4 QZPP QZ              2 0 0 0         R                 P9    G=                        9M
L                                               8A                 0                                                               0
R      172.67  174.00       CORE IS VERY BROKEN; GOOD CONTACT NOT VISIBLE.

/      174.00  177.00   3.00  300        QZPP QZ              2               P                 P9    F-          D)            9M
L                                               8A                                                 P=             C.               0

/ DYK  174.00  174.62   0.62          2 FBPP PF    BI1 PP    3 4 2 4         R
L                                               4A                 0                                                               0
R EDT  174.00  177.00       AMOUNT OF MO (COL.71-72, FLAG L) IS NOT READABLE WELL;
R      174.00  177.00       C. HAS BEEN ENTERED.

/      177.00  180.00   3.00  300        QZPP QZ                              P                                   7)
L                               2                                                                                                  0
R      177.00  185.02       SILICA-FLOODING.

/ FLT  180.00  183.00   3.00  289        QZPP QZ                              P                                   7)
L                               0                                                                                                  0
R      180.00  183.00       VERY BROKEN CORE

/ FLT  183.00  185.02   2.02  120        QZPP QZ                              P                       G7          7)
L                               0                                                                                                  0
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CR MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      185.02  185.02      DDH 35 ENDED AT 185.02 IN FAULT ZONE.
```

A UMM A LAB A MTH A TYP					%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE	HASH
A	012	22.00	24.00	5629	.003	.043	.046
A	012	24.00	27.00	5630	.003	.022	.025
A	012	27.00	30.00	5631	.003	.012	.015
A	012	30.00	33.00	5632	.008	.003	.011
A	012	33.00	36.00	5633	.006	.022	.028
A	012	36.00	39.00	5634	.001	.454	.455
A	012	39.00	42.00	5635	.003	.697	.700
A	012	42.00	45.00	5636	.024	.085	.109
A	012	45.00	48.00	5637	.022	.152	.174
A	012	48.00	51.00	5638	.002	.464	.466
A	012	51.00	54.00	5639	.016	.607	.623
A	012	54.00	57.00	5640	.030	.080	.110
A	012	57.00	60.00	5641	.049	.003	.052
A	012	60.00	63.00	5642	.066	.003	.069
A	012	63.00	66.00	5643	.035	.005	.040
A	012	66.00	69.00	5644	.029	.002	.031
A	012	69.00	72.00	5645	.030	.002	.032
A	012	72.00	75.00	5646	.061	.020	.081
A	012	75.00	78.00	5647	.036	.053	.089
A	012	78.00	81.00	5648	.014	.175	.189
A	012	81.00	84.00	5649	.034	.065	.099
A	012	84.00	87.00	5650	.031	.002	.033
A	012	87.00	90.00	5651	.024	.003	.027
A	012	90.00	93.00	5652	.015	.002	.017
A	012	93.00	96.00	5653	.005	.022	.027
A	012	96.00	99.00	5654	.003	.015	.018
A	012	99.00	102.00	5655	.002	.015	.017
A	012	102.00	105.00	5656	.002	.058	.060
A	012	105.00	108.00	5657	.002	.066	.071
A	012	108.00	111.00	5658	.004	.030	.034
A	012	111.00	114.00	5659	.002	.065	.067
A	012	114.00	117.00	5660	.002	.035	.037
A	012	117.00	120.00	5661	.007	.018	.025
A	012	120.00	123.00	5662	.001	.083	.084
A	012	123.00	126.00	5663	.022	.002	.024
A	012	126.00	129.00	5664	.022	.002	.024
A	012	129.00	132.00	5665	.003	.045	.048
A	012	132.00	135.00	5666	.003	.022	.025
A	012	135.00	138.00	5667	.013	.018	.021
A	012	138.00	141.00	5668	.024	.060	.084
A	012	141.00	144.00	5669	.016	.030	.046
A	012	144.00	147.00	5670	.032	.027	.059
A	012	147.00	150.00	5671	.013	.028	.041
A	012	150.00	153.00	5672	.051	.020	.071
A	012	153.00	156.00	5673	.031	.037	.068
A	012	156.00	159.00	5674	.038	.017	.055
A	012	159.00	162.00	5675	.080	.570	.650
A	012	162.00	165.00	5676	.013	.047	.060
A	012	165.00	168.00	5677	.044	.013	.057
A	012	168.00	171.00	5678	.059	.002	.061

				%CU	%MOS2	HASH
A UMM						
A LAB				MIN-EN	MIN-EN	
A MTH				CHEM	CHEM	
A TYP				H-CORE	H-CORE	
A 012	171.00	174.00	5679	.059	.007	.066
A 012	174.00	177.00	5680	.023	.060	.083
A 012	177.00	180.00	5681	.021	.027	.048
A 012	180.00	183.00	5682	.009	.052	.061
A 012	183.00	185.02	5683	.004	.017	.021
R ASY	22.00	185.02	AVE. CU=.021% ; AVE. MOS2=.082%			
R ASY	36.00	57.00	AVE. CU=.014% ; AVE. MOS2=.363%			
R ASY	102.00	123.00	AVE. CU=.003% ; AVE. MOS2=.051%			
R ASY	129.00	165.00	AVE. CU=.026% ; AVE. MOS2=.075%			

					PPM AG	PPB AU	PPM W	PPM PB	PPM ZN	HASH
A UMM					PPM AG	PPB AU	PPM W	PPM PB	PPM ZN	HASH
A LAB					MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A MTH					PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA	
A TYP					COMPOS	COMPOS	COMPOS	COMPOS	COMPOS	
R ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN.							
A 014	22.00	36.00			.8	5	-2	13	6	22.8
R ASY	22.00	36.00	5629	5633						
A 014	36.00	51.00			.6	5	3	1	5	24.6
R ASY	36.00	51.00	5634	5638						
A 014	51.00	66.00			.7	10	-2	12	24	44.7
R ASY	51.00	66.00	5639	5643						
A 014	66.00	81.00			.6	5	2	12	10	29.6
R ASY	66.00	81.00	5644	5648						
A 014	81.00	96.00			.7	5	-2	13	29	45.7
R ASY	81.00	96.00	5649	5653						
A 014	96.00	111.00			.6	10	-2	10	8	26.6
R ASY	96.00	111.00	5654	5658						
A 014	111.00	126.00			.7	5	-2	13	35	51.7
R ASY	111.00	126.00	5659	5663						
A 014	126.00	141.00			.8	5	-2	13	56	72.8
R ASY	126.00	141.00	5664	5668						
A 014	141.00	156.00			.7	5	2	28	60	95.7
R ASY	141.00	156.00	5669	5673						
A 014	156.00	171.00			.9	10	-2	14	26	48.9
R ASY	156.00	171.00	5674	5678						
A 014	171.00	183.00			.6	5	-2	10	17	30.6
R ASY	171.00	183.00	5679	5682						
R ASY	183.00	185.02	NO COMPOSITE FOR THIS INTERVAL, SAMPLE # 5683							

R SUM QZPP AND APLT OCCURS THROUGHOUT DDH 35, CUT BY NUMEROUS

R SUM QMPP-DYKES UP TO 16 M AND MINOR FBPP-DYKES. MO OCCURS

R SUM IRREGULARILY IN TRACES IN QZPP AND APLT, WITH LOCAL MSX-MO

R SUM AND FM ZONES. SILICA FLOODING FROM 132 TO 185 M, CUT BY

R SUM SEVERAL FBPP DYKES. THIS ZONE IS INTENSELY FRACTURED

R SUM AND COMPLETELY REPLACED BY QZ LEAVING LITTLE OR NO TRACE

R SUM OF HOST ROCK (PROBABLY QZPP).

R SUM QZ-MO VEINS AND MO IN QZ (QZPP ?) WERE OBSERVED IN THIS ZONE.

R SUM ALL DYKES ARE UNMINERALIZED EXCEPT FOR SMALL AMOUNT

R SUM OF PY-DISS.

R SUM SIGNIFICANT FAULTS OCCUR AT: 29 TO 31 M; 86 TO 87 M;

R SUM 99 TO 102 M; 105 TO 108 M; 114 TO 117 M; 123 TO 128 M;

R SUM 138 TO 147 M; AND 180 TO 183 M.

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 I G C                                                                           PAGE : 1  DATE :1981/[illegible]7

                          G E O L O G   E D I T   L I S T I N G                         SYSTEMS ENGINEERING BY
                                                                                INTERNATIONAL GEOSYSTEMS CORP.

                            SASKATCHEWAN MINING DEVELOPMENT CORP
                            WHITING CK-PORPHYRY MO-CU DEPOSIT BC

                                         FORMAT VERSION : 6B02

DRILLHOLE/TRAVERSE : WCDH036      COLLAR ELEVATION:      1522.00        AZIMUTH( DEG ) :   90.00        GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  271.28      NORTHING(- IF S):      2524.00        VERTICAL ANGLE :  -46.00        DATE (YY/MM/DD): 810900
CORE/HOLE DIAMETER :      NQ      EASTING (- IF W):      2350.00        CO-ORD SYSTEM  :   MAP          PROJECT NUMBER :    4942

                         SEQ. NO OF      LENGTH FROM COLLAR      AZIMUTH     VERT. ANGLE
                        SURVEY DATA       TO SURVEY POINT        ( DEG )      ( DEG )

                              1                99.00               0.00         -53.00
                              2               193.85               0.00         -50.00
                              3               267.00               0.00         -48.00

R HED                   WCDH036 DRILLING COMMENCED SEPT 10, 1981  COMPLETED 15 SEP 81

   F   - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                 H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY   O I       TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1     AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FM    RT    TM QM2 TX TX S R S O S          T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                        QUAL   AGE EN- Q LC- 3     3  4 U N H /  M         2    AZM  RT H  H  H  H  H  H  H  H  H  H   1  1
Y  G                        DESIG      VIR   COL              R D P C   L        STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2  2

/ OVB    0.00    9.00   9.00   58        OVER                                 P
L
R        0.00    0.00       WTH ZONE ENDS AT 30 M

/        9.00   12.00   3.00  300        QZPP          PP VG 3 4 2 5          P                       C)         D)         LI 5F
L                              05          AP 8A                 0                             Q=                           C1        0

/       12.00   15.00   3.00  260        QZPP          PP VG 3 4 2 5          P                  V)   C)         D)         LI 5F
L                              05          AP 8A                 0                             Q=                           C1        1

/       15.00   18.00   3.00  300        QZPP          PP VG 3 4 2 5          P                       C)         D)         LI 5F
L                              05          AP 8A                 0                             Q=                           C2        0

/ CNT   16.60   18.00   1.40           X QMPP PF    QZ1 PP     3 5 3 5          R                       G1                       1L
L                                          6A                    0                             Q=                                     0
R       16.60   16.60       CNT NOT CLEAR, MARKED BY LI-C ZONE, INTENSE FRACTURING

/       18.00   21.00   3.00  260        QMPP PF    QZ1 PP     3 5 3 5          P                       P)         D+         LI 1L
L                              22          6A                    0                             Q1 Q-                        C1        0
R       18.00   21.00       1-6 MM PF PHENO. AND MINOR QZ-PENO. IN GROUNDMASS OF FX & QZ
R       18.00   21.00       TR. CL AFTER MAFICS

/       21.00   24.00   3.00  253        QMPP PF    QZ1 PP     3 5 3 5          P    V1       50         G1         8+         LI 1L
L                               0          6A                    0                             P=                           C2        0
R       21.00   24.00       ABUNDANT DISS-PY IN PF-PHENO

/       24.00   27.00   3.00  234        QMPP PF    QZ1 PP     3 5 3 5          P    V1       50         G1         8+         LI 1L
L                               0                                                                 Q#                                  0
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R. Cann

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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       27.00   30.00   3.00  266        QMPP PF    QZ1 PP    3 5 3 5        P   V1      50       G1          8+       LI 1L
L                               0                                                                                                0

/       29.40   30.00   0.60           = FBPP PF    BI2                      R                     =          D)       LI
L                                             4A                                               Q1 D*                   C+        0

/ DYK   30.00   33.00   3.00  246        FBPP PF    BI2 PP    2 5 2 5        P                    F)          8)       LI 1L
L                               0             4A    KF              0                          P1 Q*                   C+        0
R       30.00   30.00      F-GRAINED KF IN GROUNDMASS, CL AFTER BI-PHENO., SER. AFTER PF

/       30.80   33.00   2.20           8 QMPP       BI)                      R                                         LI 1L
L                                             6A    QZ                                            Q-                   C=        0

/       33.00   36.00   3.00  243        QMPP PF    QZ1 PP    3 5 2 5        P                    F)                      1L
L                                             6A                    0                          P1 Q*                             0

/ FLT   33.70   34.50   0.80           2 FAUL                                R   V1      50       G7                   LI
L                                                                                                                      C+        0

/       36.00   39.00   3.00  223        QMPP PF    QZ1 PP    3 5 2 5        P                    F)                      1L
L                              17             6A                    0                          P1 Q*                             0

/ CNT   36.80   39.00   0.20           = QZPP 00    000 PP VG 2 4 1 5        R   CT      55                            LI 5F
L                                          AP 8A                    0                          P= 00                   C2        0

/ MSX   39.00   42.00   3.00  253        QZPP                                P                             FM D*       LI 5F
L                              00          AP 8A                                               P1                0)    C1        0
R       39.00   40.00      FERRIMOLYBDITE-C UP TO 5% LOCALLY, IN VUGS. SAME MSX ZONE AS IN
R       39.00   40.00      DDH 35 41.6 TO 42 M

/       40.56   42.00   1.44           5 QMPP PF    QZ  PP    3 5 2 5        R                    G1          D+          1F
L                                             5A                    0                          P= Q*             00              0
R       40.56   41.00      PPAN DYKE IN QMPP
R       41.00   45.00      BADLY BROKEN CORE, INTENSE FRCT. ZONE

/ FRC   42.00   45.00   3.00  182        QMPP PF    QZ  PP    3 5 2 5        P   V1      50       G2          8)          1F
L                               0             6A                    0                          P1 Q(                             0

/ FRC   45.00   48.00   3.00  240        FELS FX        PP    2 4 2 5        P   V1      50       E+          V)          1F 3T
L                               0             9T                                                  P+             D.              0

/ DYK   46.64   47.40   0.76           3 FBPP FX    BI  PP    3 5 2 5        R   DD      50       E+                      1L
L                                             4G                    0                          P+                                0

/ FLT   48.00   51.00   3.00  220        QMPP PF    QZ  PP    3 4 2 5        P   F/      40       Q+          D*          1F
L                                             6A                    0                          P) Q)                             0
R       48.00   51.00      SEVERAL FBPP-DYKES(5 TO 15 CM) CUTTING QMPP

/       51.00   54.00   3.00  130        QMPP PF    QZ  PP    3 4 2 5        P   F/      40       Q+          D*          1F
L                               0                                                                                                0
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K  F  F R O M - T O - I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       54.00   57.00   3.00  166       QZPP FX    QZ  PP VG 2 4 1 5       P    V2      65 V)    P-          8)          5L
L                                         AP 7A                    0                          Q*                D.            2

/ CNT   54.00   54.40   0.40          1 QMPP                 3 4 2 5       R                                 0*          1L
L                                            5A                                               P) Q*                         1

/       57.00   60.00   3.00  280       QZPP FX    QZ  PP VG 2 4 1 5       P    V2      65 V)    P-          8)          5L
L                                         AP 6A                    0                          Q*                D.            0

/       60.00   63.00   3.00  250       QZPP           PP VG 2 4 1 5       P    V1      40       F(          <*       CC 5L
L                                         AP 7A                                               E*                D.            0
R       60.00   63.00      TR. CC-C ON PY-D IN VUG

/       63.00   66.00   3.00  280       QZPP           PP VG 2 4 1 5       P    V1      35       F(          <*       CC 5L
L                                                                                                                             0

/       66.00   69.00   3.00  285       QZPP           PP VG 2 4 1 5       P    V1      40       F(          V*       CC 5L
L                                                                                                                             0

/       66.88   67.64   0.76          + QMPP                               R
L                                            6A                                                                               0

/       69.00   72.00   3.00  292       QZPP                 2 5 1 5       P    V1      65                   <? <*       5L
L                                            AA                                               E)                   D.         0

/       72.00   75.00   3.00  269       FELS FX        PP    2 4 2 5       P    V1      60       E+          V)          1F 3F
L                                            8G                                                  P=                           0
R       72.00   75.00      ROCK IS SIMILAR TO FELS LOGGED IN DDH 24 AND IN DDH 34

/       75.00   78.00   3.00  272       FELS FX        PP    2 4 2 5       P    V1      45       E+          V)          1F 3F
L                                                                                                                             0

/       78.00   81.00   3.00  265       FELS FX        PP    2 4 2 5       P    SH      25    O) E+          V)          1F 3F
L                                            7A                                                                               0
R       78.00   81.00      BI AFTER HB

/       81.00   84.00   3.00  260       FELS FX        PP    2 4 2 5       P    V1      40    O)             V)
L                                            8G                                               P) Q)                           0

/       84.00   87.00   3.00  257       FELS FX        PP    2 4 2 5       P    V1      30    O) E*          V)
L                              33            6G                                               P) Q+                           0

/       87.00   90.00   3.00  295       FELS FX        PP    2 4 2 5       P    V1      48    O)             6)
L                              73            8G                                               P) Q)                           0

/       90.00   93.00   3.00  256       FELS FX        PP    2 4 2 5       P    V1      40    O)             V)
L                                            8G                                               P) Q)                           0

/       92.00   92.15   0.15          X FAUL                               R                     G)          G+
L                                            4G                                                                               0
```

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       93.00   96.00   3.00  275        FELS FX        PP    2 4 2 5       P    V1      20    0)             V)       CU
L                                             8G                                               P) 0)                   C.      0

/       96.00   99.00   3.00  295        FELS FX        PP    2 4 2 5       P    V1      45    00       D*    V)
L                              17             4G                                               E* P+                           0

/ FLT   99.00  102.00   3.00  265        FELS           PP                  P               #)    G+ V, D(    V)          1A
L                              15             5G                                                  P+                           0

/      102.00  105.00   3.00  280        FELS           PP                  P    V1      55 V(    00 V, D(    V)          1A
L                              15             5G                                                  P+                           0

/      105.00  108.00   3.00  277        FELS           PP                  P               #)    G+ V, D(    V*          1A SL
L                              60             6A                                            E(    P+                           0

/      108.00  114.00   6.00  598        FELS           PP                  P    V7      90 #) 0) G+ V, D(    V) V(       7F
L                             102                                                V1      30 E+    <) V*                        0
R      108.00  108.00      GRADATIONAL CONTACT BETWEEN FELS AND FLPP.FELS POSSIBLY ALTERED
R      108.00  108.00      FLPP

/      114.00  117.00   3.00  282        FELS           PP                  P    V1      30 #)    G+ V, D(    V)          7F
L                              63                                                                                              0

/      116.22  117.00   0.78        X QZPP                 3 5 1 5       R    V1      45                   6)          5L
L                                             9A                                               E+ 0*                           0

/      117.00  120.00   3.00  292        QZPP                 3 5 1 5       P                                 6(          5L
L                              82             9A                                               E=                <.            0

/      120.00  123.00   3.00  282        PPAN                 2 5 1 6       P                  0)       0)    <*       C1 7L
L                             115             5G                                            E+                         C.      0
R      120.00  123.00      TEXTURE VARIES CONSIDERABLY FROM DK. GREY F-GRAINED ANDS WITH
R      120.00  123.00      FEW FL PHENOS TO MED GREY ANDS WITH 50% FL PHENOS.

/      123.00  126.00   3.00  300        PPAN                 2 5 1 6       P    V1      65    0)       0)    <)       C1 7L
L                             119             4G                                            E+                                 0

/      126.00  129.00   3.00  268        PPAN                 2 5 1 6       P    V1      56    0)    <( 0)    <)       C1 7L
L                              42                                                                                              0

/      129.00  132.00   3.00  294        PPAN                 2 5 1 6       P    V1      57    0)       0)    <*       C1 7L
L                              36                                                                                              0
R      129.00  129.00      FLPP POSSIBLY SAME AS PPAN BUT WITH FEWER FX PHENOS

/      131.22  132.00   0.78        X FLPP                 2 5 1 6       R                  0*             <*
L                                          AN 5G                                                  <(                           0

/      132.00  135.00   3.00  281        FLPP                 2 5 1 6       P                           D*    <* D.
L                              16          AN 5G                                                  <(                           0

/      135.00  138.00   3.00  300        FLPP                 2 5 1 6       P    V1      55          <( D*    <* D.
L                              38          AN 5G                                                  <(                           0
```

```
 K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
 E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
 Y  G                          R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

 /       138.00  141.00   3.00  266       FLPP PF       PP    3 5 2 6       P   V1      60 .  Q( G*          5)        7L
 L                               15            6A                   0                      E(                                  0
 R       138.00  141.00     BI AFTER HB

 / DYK   140.36  141.00   0.64       2 BASL FX       MX    2 0 0 0       R   DT      35            <-
 L                                             3A                   0                                C-                        0
 R       140.36  142.95     POST-MIN, DIABASIC DYKE

 /       141.00  144.00   3.00  280       BASL                  2           P                         <-
 L                               11            3A                                                    C-                        0

 /       142.95  144.00   1.05       3 FLPP PF       PP    3 5 2 6       R                  Q( F(          5)        7L
 L                                             6A                   0                      E)                                  0

 /       144.00  147.00   3.00  258       FLPP FX       PP    3 5 2 6       P   V1      35    Q*             5)        7F
 L                                             6A                   0                      E)                                  0
 R       144.00  147.00     BI AFTER HB-PHENO

 /       147.00  150.00   3.00  295       FLPP FX       PP    3 5 2 6       P   V1      40    Q*             8)        7F
 L                               05                                                                                            0

 /       150.00  153.00   3.00  292       FLPP FX       PP    3 5 2 6       P   V1      60    Q*             5+        7F
 L                               40                                                                                            0

 /       153.00  156.00   3.00  278       FLPP FX       PP    3 5 2 6       P   V1      65    Q*             5)        7F
 L                              167                                                                                            0

 / DYR   153.90  156.00   2.10          X PPAN                  2 4 1 5       R   V2      60 4-                6+ <(     5L
 L                                             4G                   0           V7      50 00 E*                               1

 /       156.00  159.00   3.00  260       FLPP FX    HB PP    3 5 2 6       P   V1      40    Q(             V+        7T 5L
 L                              120            6A                   0                         E                                0
 R       156.00  156.00     CNT WITH PPAN NOT CLEAR
 R       156.00  162.00     BI AFTER HB-PHENO

 /       159.00  162.00   3.00  290       FLPP FX    HB PP    3 5 2 6       P   V2      45 5) Q(             V+        7T 5L
 L                              148                                             V5      60                      D.                 2

 /       162.00  165.00   3.00  300       FLPP FX    HB PP    3 5 2 6       P   V1      50 5* Q(             V+ D.     7L 5L
 L                              150                                                        3(                   00                 1

 /       165.00  168.00   3.00  294       FLPP FX    HB PP    3 5 2 6       P   V1      40    Q(             V+        7T 5L
 L                              210                                                                                            0

 / DYK   165.00  165.40   0.40       1 FLPP                  3 4 * 5       R   DB      45                             5L
 L                                                                  0                                                          0
 R       165.00  165.40     YOUNGER FLPP DYKE IN FLPP-DYKE, MASSIVE TO WEAKLY PP.

 /       168.00  171.00   3.00  295       FLPP FX    HB PP    3 5 2 6       P   V1      50 5- Q(             V+ D.     7F 5L
 L                              172                                                        E) E*                               0
```

```
K  F  F R O M - T O -  I N T RECOV  MD X ROCK TM TM OM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                           R Q D  AGE EV RQ LC TM UM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       171.00  174.00   3.00  287          FLPP FX     HB  PP    3 5 2 6       P    V5       40 S) Q(                V+         7T 5F
L                              127                                                   V2       50 E( E) S.                <.          1

/       174.00  177.00   3.00  240          FLPP FX     HB  PP    3 5 2 6       P    SH       70    Q( G+             V+         7F 5L
L                               87                                                   V1       40                                     1
R       174.90  750.00       SWEAR ZONE

/ DYK   175.87  176.02   0.15             X PPAN                  3 4 1 5       R    DB       45 00    00             D* 00
L                                                                       0                        E* 00                   00          0

/       177.00  180.00   3.00  300          FLPP            PP    3 5 3 6       P    V1       40                      <* >*
L                              210            AN 2A                                                                                  0

/       177.00  180.00   3.00             1 PPAN            PP    3 5 6 5       R                             <)      D*
L                                                 5G                                                                                 0
R       177.00  180.00       FLPP CUT BY NARROW DYKES PPAN -AS AT WC-52

/       180.00  183.00   3.00  271          FLPP            PP    3 5 3 6       P    V1       40                      <* >*
L                               27                                                                                                   0

/       181.71  182.55   0.84             X QZPP            PP    3 5 1 5       R    CN       70                      7(
L                                                                                                                                    0
R       181.71  181.71       QZPP CUTTING FLPP AND ANDS
R       182.55  191.02       ANDS IS MOTTLED MAROON AND GREEN,AND IS PROBABLY STRONGLY
R       182.55  191.02       ALTERED FLPP.

/       183.00  186.00   3.00  280          ANDS                  3 5 3 6       P                                     8* D*      7F
L                              122                5A                                                       P+                        0

/       186.00  189.00   3.00  300          ANDS                  3 5 3 6       P                                     8) D.      7F
L                              121                5A                                                       P+                        0

/       188.88  188.91   0.03             X QZPP            PP PG   6           R    CN       10                      8*
L                                                                                                                                    0
R       188.88  188.91       SMALL DYKE QZPP CUTTING ANDS

/       189.00  192.00   3.00  270          ANDS                  3 5 3 6       P    V1       35                      7) D*      7F
L                               89                                                                                                   0

/       191.02  192.00   0.98             X QZPP            PP    3 5 1 5       R    CN      U85
L                                                                                                E+                                  0
R       191.02  992.61       QZPP CUTTING ANDS.QZPP CUT BY PPAN

/       192.00  195.00   3.00  300          QZPP            PP    3 5 1 5       P                                     8*         5L
L                               97                                      0                        P)                                  0

/       192.04  195.00   2.96             8 PPAN            PP    3 5 6 5       R    CN       55 E(                   8)         7F
L                                                 5G                    0                          P)                                0
R       192.64  200.00       PPAN-DYKE IS SIMILAR TO WC-52, KF AS ENVELOPES AROUND PY-V AND
R       192.64  200.00       IN MTX.
```

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM OM1 TX TX F C % M TFOM   RI 1 ID AZM DIP OZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----,-- ----,-- ---,-- ---,-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM OM2 TX TX S R S O SML      2 TO AZM DIP KF MU CL EP HE XX PR MO SL

/ DYK  195.00  198.00   3.00  270        PPAN           PP                   P    V1     50                    8)       7F
L                             122             5G                                             E(    P+                           0

/ DYK  198.00  201.00   3.00  262        PPAN       BI) PP    3 5 6 5        P    V1     45                    8+ D.    7L
L                             127             5G                    0                        E*       Q-                        0
R      198.00  200.00      WEAKLY PP ANDS IN PPAN DYKE.

/ DYK  201.00  204.00   3.00  300        PPAN       BI) PP    3 5 5 5        P    V1     40                    8+ D.    7L
L                             134             5G                    0                        E*       Q-                        0

/ DYK  204.00  207.00   3.00  300        PPAN       BI) PP    3 5 6 5        P    V1     45                    8+ 00    5L
L                             128             5G                    0                        00 E*    00                        0

/ DYK  207.00  210.00   3.00  285        PPAN       BI) PP    3 5 6 5        P    V1     45                    8+ D.    7L
L                             160             5G                    0                        E*       Q-                        0

/ FLT  210.00  213.00   3.00  260        PPAN       BI) PP    3 5 6 5        P    V1     45        G=          8+ D.    7L
L                             100             5G                    0                        E*       Q-                        0
R      210.00  213.00      ALL CONTACTS MARKED BY GOUGE ZONE-FAULT?

/      210.60  211.94   1.34           = ANDS           00    2 4 + 4        R                                          7T
L                                             3G                    0                        E(          C-                     0

/      211.94  213.00   1.06           3 QZPP           PP    2 5 3 5        R               <)                <*       5T
L                                          AP 6A                    0                           P*       00                     1

/      213.00  216.00   3.00  283        QZPP           PP RB 2 5 3 5        P    V3     55 4+                 8)       5F
L                              16          AP 7A                    0             V6     60    P+                V-             3

/      216.00  219.00   3.00  252        QZPP           PP    2 5 3 5        P    V1     60 V*     F-          8+ D.    5F
L                               0          AP 7A                    0             V5     70    P=                S.             1
R      216.41  216.52      MSX-PY,MINOR CP ZONE, UP TO 80% PY-DISS LOCALLY.

/      219.00  222.00   3.00  270        QZPP           PP RB 2 5 3 5        P    V3     60 4)     00 <(       8+ 00    5F
L                              22                                                                                V(             2

/ DYK  220.70  220.98   0.28           + PPAN                 2 5 4 5        R               00    P)          D) 00    3A
L                                                                   0                           Q=               00             0
R      220.70  220.98      PPAN DYKE IS INTENSELY ALTERED, RESOLVED

/      222.00  225.00   3.00  300        QZPP           PP 00 2 5 3 5        P    V5     55 V*     F-          8+ D.    5F
L                             136                                                                                S-             2

/      225.00  228.00   3.00  274        QZPP           PP    2 5 3 5        P    V5     55 V*     F- 00       8+ D.    5F
L                              45                                                                                               2

/ FRC  228.00  231.00   3.00  231        QZPP           PP    2 5 3 5        P    V6     65 V*     F-          8+ D.    5F
L                               0                                                                                D.             4
R      228.00  231.00      BADLY BROKEN CORE

/ DYK  229.60  229.90   0.30           1 PPAN           PP    2 5 3 5        R    DT     65 00     Q=          D*       3A
L                                             5G                    0                           01               00             0
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M TFDM  RI 1 ID AZM DIP OZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM OM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       229.60  229.90      PF COMPLETELY REPLACED BY CLAY & SER.

/       231.00  234.00   3.00  275          QZPP             PP    2 5 3 5        P    V1       60 V*    G2          8+ D.       5R
L                                0                                                                                                  0

/ FLT   232.60  234.00   1.40             X FAUL                                  R                      G7
L                                                                                                                                   0

/ FLT   234.00  237.00   3.00  150          QZPP             PP    2 5 3 5        P    V1       60 V*    G3          8+ D.       5F
L                                0                                                                                      D-          0

/ FLT   237.00  240.00   3.00  115          QZPP             PP    3 5 3 5        P                      G1          D*          5L
L                                0                8A                     0                            P+                D.          0

/       240.00  243.00   3.00  230          QZPP             PP    3 5 3 5        P                      G1          D*          5L
L                                0                8A                     0                            P+                D.          0

/ DYK   240.30  243.00   2.70             9 PPAN                   2 5 3 5        R                      Q*          8)             7T
L                                                 4G                     0                         P* Q)                            0

/ DYK   243.00  246.00   3.00  250          PPAN             PP    2 5 3 5        P    DB                Q*          8)          7T
L                                0                4G                     0                         P* Q)                            8

/       243.40  246.00   2.60             1 QZPP                   2 4 2 5        R    V3       55 V(                8*          5F
L                                                                        0             V6       65    E)                <(          1

/       246.00  249.00   3.00  277          QZPP                                  P    V2       30 4)                8) D.       5F
L                               32                                                                    E+                <.          3

/       249.00  252.00   3.00  263          QZPP                                  P    V5       77 4)                8) D.       5F
L                               18                                                                    E+                <-          2

/       251.60  252.00   0.40             X FAUL                                  R                      G7
L                                                                                                                                   0

/       252.00  255.00   3.00  288          QZPP                RB                P    V3       40 4)                8) A)       5F
L                               56                                                     V8       60    E+                <(          2
R       254.80  255.00      QZ-CP-PY VEIN WITH DISS-MO

/       255.00  258.00   3.00  275          QZPP             PP RB 2 4 2 5        P    V3       70 5)                D) A*       5M
L                               79                7A                     0             V1       65    E)                <-          2
R       255.00  259.00      VUG-FILLING CP ARE COMMON IN QZPP

/       258.00  261.00   3.00  295          QZPP             PP RB 2 4 2 5        P    V2       70 5)                D) A*       5M
L                               26                                                                                      D.          1

/       259.00  261.00   2.00             3 GRDR       BI   EQ 00 0 4 0 0         R    CT       40 00                <) D-       7L
L                                                 6A   HB                C             V1       55 E) 00                00          0
R       259.00  259.00      GRADATIONAL CNT WITH GRDR
R       259.00  261.00      TR. CL AFTER BI AND HB (MINOR).
R       259.00  271.28      PINK-COLOURED KF-E' AROUND PY-CP VEINS
```

```
K  F  F R O M - T O -  I N T RECOV  MO X ROCK TM TM QM1 TX TX F C X M TFDM RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      261.00  264.00   3.00  268        GRDR       BI  EQ      4           P    V1      30          F=       8) D*       7L
L                              00              6A   HB              C                          E)    Q)   C.       D.             0

/      264.00  267.00   3.00  274        GRDR       BI  EQ      4           P    V7      70 S(       F=       8) D(       7L
L                              00              6A   HB              C                          E+    Q(   C.       D.             0

/      267.00  270.00   3.00  226        GRDR       BI  EQ      4           P    V1      30          00       8) D*       7L
L                              00              6A   HB              C                          E)    Q)   C.       D.             0

/      270.00  271.28   1.28  121        GRDR       BI  EQ      4           P    V1      30          F=       8) D-       7L
L                              00              6A   HB              C                          E)    Q)   C.       D.             0
R      271.28  271.28        DDH 36 ENDS AT 271.28 M .
```

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A 012	9.00	12.00	5684	.001	.085
A 012	12.00	15.00	5685	.001	.070
A 012	15.00	18.00	5686	.001	.108
A 012	18.00	21.00	5687	.012	.057
A 001	21.00	24.00	5688	.065	.025
A 012	24.00	27.00	5689	.030	.065
A 012	27.00	30.00	5690	.040	.072
A 012	30.00	33.00	5691	.040	.038
A 012	33.00	36.00	5692	.052	.012
A 012	36.00	39.00	5693	.054	.135
A 012	39.00	42.00	5694	.032	.651
A 012	42.00	45.00	5695	.099	.013
A 012	45.00	48.00	5696	.027	.040
A 012	48.00	51.00	5697	.058	.007
A 012	51.00	54.00	5698	.070	.013
A 012	54.00	57.00	5699	.048	.010
A 012	57.00	60.00	5700	.028	.030
A 012	60.00	63.00	5701	.026	.023
A 012	63.00	66.00	5702	.054	.045
A 012	66.00	69.00	5703	.051	.025
A 012	69.00	72.00	5704	.030	.008
A 012	72.00	75.00	5705	.041	.003
A 012	75.00	78.00	5706	.037	.003
A 012	78.00	81.00	5707	.033	.005
A 012	81.00	84.00	5708	.040	.003
A 012	84.00	87.00	5709	.025	.003
A 012	87.00	90.00	5710	.041	.003
A 012	90.00	93.00	5711	.024	.003
A 012	93.00	96.00	5712	.010	.007
A 012	96.00	99.00	5713	.014	.003
A 012	99.00	102.00	5714	.035	.005
A 012	102.00	105.00	5715	.030	.003
A 012	105.00	108.00	1716	.050	.002
A 012	108.00	111.00	5717	.026	.002
A 012	111.00	114.00	5718	.064	.002
A 012	114.00	117.00	5719	.021	.002
A 012	117.00	120.00	5720	.017	.003
A 012	120.00	123.00	5721	.043	.002
A 012	123.00	126.00	5722	.060	.002
A 012	126.00	129.00	5723	.031	.002
A 012	129.00	132.00	5724	.025	.002
A 012	132.00	135.00	5725	.017	.002
A 012	135.00	138.00	5726	.017	.002
A 012	138.00	141.00	5727	.008	.002
A 012	141.00	144.00	5728	.009	.002
A 012	144.00	147.00	5729	.027	.002
A 012	147.00	150.00	5730	.020	.003
A 012	150.00	153.00	5731	.019	.002
A 012	153.00	156.00	5732	.059	.003
A 012	156.00	159.00	5733	.022	.002

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A 012	159.00	162.00	5734	.037	.007
A 012	162.00	165.00	5735	.017	.002
A 012	165.00	168.00	5736	.018	.002
A 012	168.00	171.00	5737	.029	.002
A 012	171.00	174.00	5738	.027	.002
A 012	174.00	177.00	5739	.044	.002
A 012	177.00	180.00	5740	.134	.005
A 012	180.00	183.00	5741	.049	.003
A 012	183.00	186.00	5742	.189	.003
A 012	186.00	189.00	5743	.143	.002
A 012	189.00	192.00	5744	.112	.005
A 012	192.00	195.00	5745	.027	.002
A 012	195.00	198.00	5746	.055	.002
A 012	198.00	201.00	5747	.060	.002
A 012	201.00	204.00	5748	.069	.002
A 012	204.00	207.00	5749	.061	.002
A 012	207.00	210.00	5750	.005	.002
A 012	210.00	213.00	5751	.034	.003
A 012	213.00	216.00	5752	.020	.053
A 012	216.00	219.00	5753	.128	.045
A 012	219.00	222.00	5754	.028	.135
A 012	222.00	225.00	5755	.012	.020
A 012	225.00	228.00	5756	.029	.045
A 012	228.00	231.00	5757	.013	.023
A 012	231.00	234.00	5758	.033	.013
A 012	234.00	237.00	5759	.012	.032
A 012	237.00	240.00	5760	.012	.274
A 012	240.00	243.00	5761	.042	.013
A 012	243.00	246.00	5762	.015	.065
A 012	246.00	249.00	5763	.016	.013
A 012	249.00	252.00	5764	.026	.065
A 012	252.00	255.00	5765	.262	.167
A 012	255.00	258.00	5766	.105	.052
A 012	258.00	261.00	5767	.097	.020
A 012	261.00	264.00	5768	.155	.007
A 012	264.00	267.00	5769	.133	.018
A 012	267.00	270.00	5770	.054	.008
A 012	270.00	271.28	5771	.063	.007
R ASY	9.00	42.00	AVE. CU=.030% ; AVE. MOS2=.120%		
R ASY	213.00	258.00	AVE. CU=.050% ; AVE. MOS2=.067%		
R ASY	9.00	271.28	AVE. CU=.055% ; AVE. MOS2=.031%		

A	UMM					PPM AG	PPB AU	PPM W	PPM PB	PPM ZN
A	LAB					MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN
A	MTH					PCL-AA	ADR-AA	COLOUR	PCL-AA	PCL-AA
A	TYP					COMPOS	COMPOS	COMPOS	COMPOS	COMPOS
R	ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN.						
A	014	9.00	24.00			.8	5	2	12	10
R	ASY	9.00	24.00	5684	5688					
A	014	24.00	39.00			1.2	5	-2	14	24
R	ASY	24.00	39.00	5689	5693					
A	014	39.00	54.00			.9	10	2	14	32
R	ASY	39.00	54.00	5694	5698					
A	014	54.00	69.00			.5	5	2	10	21
R	ASY	54.00	69.00	5699	5703					
A	014	69.00	84.00			.8	10	-2	16	44
A	014	84.00	99.00			1.0	5	-2	18	57
R	ASY	84.00	99.00	5709	5713					
A	014	99.00	114.00			1.2	5	3	14	40
R	ASY	99.00	114.00	5714	5718					
A	014	114.00	129.00			.9	10	2	10	27
R	ASY	114.00	129.00	5719	5723					
A	014	129.00	144.00			1.0	5	2	16	53
R	ASY	129.00	144.00	5724	5728					
A	014	144.00	159.00			1.0	5	2	12	40
R	ASY	144.00	159.00	5729	5733					
A	014	159.00	174.00			.7	5	-2	12	29
R	ASY	159.00	174.00	5734	5738					
A	014	174.00	189.00			1.3	5	4	15	67
R	ASY	174.00	189.00	5739	5743					
A	014	189.00	204.00			1.2	10	-2	11	46
R	ASY	189.00	204.00	5744	5748					
A	014	204.00	219.00			.9	5	3	10	46
R	ASY	204.00	219.00	5749	5753					
A	014	219.00	234.00			1.0	5	2	9	12
R	ASY	219.00	234.00	5754	5758					
A	014	234.00	249.00			1.0	10	3	11	18
R	ASY	234.00	249.00	5759	5763					
A	014	249.00	264.00			1.2	5	5	17	24
R	ASY	249.00	264.00	5764	5768					
A	014	264.00	271.28			1.2	10	7	10	40
R	ASY	264.00	271.28	5769	5771					

R SUM WC DDH 36 INTERSECTED NUMEROUS DYKES AND LITTLE QZPP . QZPP

R SUM OCCURS MAINLY BELOW 211 M, ITS CNT WITH GRDR OCCURS AT 259 M.

R SUM FLPP IS CUT BY PPAN, ANDS, AND YOUNGER FLPP DYKES; AND RARELY

R SUM BY QZPP-DYKE. QMPP OCCURS NEAR TOP OF DDH 36 INTRUDING QZPP.

R SUM A MSX MO-FM ZONE (AS IN DDH 35, 41M) WAS INTERSECTED AT 39 TO

R SUM 40M. MINOR MO AND CP OCCUR IN QZPP NEAR CNT WITH GRDR, GRDR

R SUM CONTAINS TR. OF CP-DISS. NO SIGNIFICANT MINGRALIZAION WAS

R SUM FOUND IN ANY OF THE DYKES. ALL THE DYKES WERE WEAKLY ALTERED

R SUM (LOW PROPYLITIC & ARGILLIC, AND SOME POTASSIC E' IN FLPP)
R SUM EXCEPT BASL DYKE (YOUNGEST). QZPP HAS WEAK TO MOD. PHYLLIC
R SUM ALTER., AND GRDR HAS WEAK POTASSIC ALTER.. SIGNIFICANT FAULTS
R SUM OCCUR AT 33.7 TO 34.5M; 39 TO 40M; 92M; 99 TO 102M; 175M; 192M;
R SUM 210 TO 212M; 232.6 TO 236M; AND 252M.

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                              G E O L O G   E D I T   L I S T I N G                    SYSTEMS ENGINEERING BY
                                                                                  INTERNATIONAL GEOSYSTEMS CORP.

                              SASKATCHEWAN MINING DEVELOPMENT CORP.
                              WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                      FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH037      COLLAR ELEVATION:     1480.00      AZIMUTH( DEG ) :    90.00      GEOLOGGED BY : RMC +
TOTAL DEPTH/LENGTH :  111.82      NORTHING(- IF S):     3125.00      VERTICAL ANGLE :   -45.00      DATE (YY/MM/DD): 810917
CORE/HOLE DIAMETER :      NQ      EASTING (- IF W):     2250.00      CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :   4942

                         SEQ. NO OF     LENGTH FROM COLLAR     AZIMUTH    VERT. ANGLE
                         SURVEY DATA     TO SURVEY POINT       ( DEG )      ( DEG )

                              1               111.82             0.00       -45.00

R HED                    DDH 37 COMMENCED ON 16 SEPT 81 AND WAS COMPLETED ON 18 SEPT 81.

  F   - I N T E R V A L -    CORE  T- %     TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                          ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                          QUAL   AGE EN- Q LC- 3      3  4 U N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y G                          DESIG      VIR   COL            R O P C   L         STRUCTUR-2 A  A  A  A  A  A  A  A  A  A     2   2

/ OVB     0.00    3.66   3.66          OVER                         P
L                                                                                                                            0

/ CAP     3.66    6.00   2.34  140     BRXX                         P                               D(        LI
L                               00      MZ 7A              3 4  O                                             C+            0
R         3.66    6.00      MZ BRXX BADLY FRACT AND OXIDIZED.  MINOR MC; ABUNDANT LI.

/ SOX     6.00    9.00   3.00  217     BRXX                         P                               D( D(     LI
L                               73                                                                            C+            0
R         6.00    9.00      MC STILL COMMON.  ANGULAR 3 CM SILICEOUS FRAGMENTS WITH MO &
R         6.00    9.00      AT 6.4 M.
R         8.10    9.00      MANY 0.5 TO 1 CM ANGULAR SILICEOUS FRAGS. ABUNDANT BLEBS PY
R         8.10    9.00      AND CP.

/ TRN     9.00   12.00   3.00  272     BRXX                   9     P                               D( D*     LI
L                               17                                                                     <(     C)            0
R         9.00   12.00      MINOR MC STILL BLEBS CP WITH RIMS CV.  MO RICH QZ FRAGS AT
R         9.00   12.00      9.4 M.  MONZ GENERALLY MOST ABUNDANT FRAG.

/        12.00   15.00   3.00  282     BRXX        VG         7     P                               D(        LI
L                              104         4R                                                                 C*            0
R        12.00   15.00      BRXX ABOUT 1% VUGS.  FRAGMENTS COMMONLY INDISTINCT - POSSIBLY
R        12.00   15.00      DUE TO ALT.

/        15.00   18.00   3.00  289     BRXX        VG         7     P                               B* B)     CC
L                              153                                                                            C.            0
R        15.00   18.00      FRAGS OF ANDS.  FRAGS SI BUT ALSO APPERAS TO BE PERVASIVE
R        15.00   18.00      IN MATRIX.  LI COMMON ON FRACTURES.
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K  F  F R O M - T O -  I N T RECOV  MD X ROCK TM TM OM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RO LC TM OM2 TX TX S R S D SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       18.00   21.00   3.00  294        BRXX            VG          8       P                                  B)  D*    CC
L                             102                                                                                   <.    C.      0
R       18.00   21.00      DYKE OR LARGE FRAGS OF DARK GRAY FX ANDS BETWEEN 19.4 AND
R       18.00   21.00      20.36 M.  ROUNDED SIL. FRAGS WITH QZ-MO VEIN AT 19 M.

/       21.00   24.00   3.00  285        BRXX            VG          8       P                                  B*  B)    CV
L                              98          MZ 7A               2 6   0                                              81    C.      0
R       21.00   24.00      IN GENERAL PY AND CP MORE COMMON IN MATRIX THAN FRAG,
R       21.00   24.00      WHEREAS MO IS MORE COMMON IN FRAGS ALTHOUGH MAY OCCUR IN EITHER.
R       21.00   24.00      MO APPEARING AS DRY MICRO VEINS IN THIS SECTION.
R EDT   21.00   24.00      REMARK ENTERED FOR WHOLE INTERVAL, BECAUSE OF MISTAKE IN CODING.

/       24.00   27.00   3.00  285        BRXX            VG          8       P                                  B)  B(    CI
L                              95              7A                                                 Q+                D.    C.      0
R       24.00   27.00      LARGEST FRAG IS MONZ.  MO AS DISSEM AND AS FILMS ON FRACTURES.

/       27.00   30.00   3.00  300        BRXX            VG          7       P                                  #)  6(    CV
L                             160                                                                                   D.            0
R       27.00   30.00      MO OCCURS AS DISSEM IN MATRIX AND ROSETTES IN A VUG.

/       30.00   33.00   3.00  216        BRXX            VG          7       P                                  B)  00    CV
L                              55                                                                 Q+                <(            0
R       32.40   32.40      MO RICH QZ CLAST.

/       33.00   36.00   3.00  272        BRXX            VG BR       7       P                    Q+                B*  <(    CV
L                                                                                                                                 0

/       36.00   39.00   3.00  229        BRXX            VG          7       P                                  #)  B(    CV
L                              62                                                                                   <.            0

/ FLT   38.40   39.00   0.60           X FAUL                                R                    G+
L                                                                                                                                 0

/       39.00   42.00   3.00  240        BRXX            VG          7       P                    P+                B)  B(    CV
L                                                                                                                   <.            0

/ FLT   39.00   39.62   0.62           X FAUL                                R
L                                                                                                                                 0
R       39.00   42.00      MONZ WITH ARG ALT FROM 39.3 TO 40.9 M.
R       41.52   41.52      QZ CLAST WITH MO <.

/       42.00   45.00   3.00  297        BRXX                        7       P                                  B)  B(
L                              70          MZ 4G               3 3   0                        Q=                <-            0
R       42.00   45.00      DARK MAFIC FRAGS COMMON.  DISSEM MO IN MATRIX.

/       43.38   44.58   1.20           X MONZ BI         PP    3 5 5 5       R                       <(         6*
L                                              5A                                                                                 0

/       45.00   48.00   3.00  289        BRXX            VG          7       P                                  B*  B*
L                              45                                                                                   D-            0
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                    R Q D  AGE EV RQ LC TM QM2 TX TX S R S U SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       46.94   47.70  0.76           X MONZ BI       PP    3 5 5 5      R                                D)
L                                            5A                                                                            0

/       48.00   51.00  3.00  258        BRXX          VG            7      P                                B* B*
L                             79                                                                             D=            0
R       48.00   51.00     FRAGS MAINLY QZ.

/       51.00   54.00  3.00  282        BRXX          VG            7      P                                B( B*
L                             28                                                                             D.            0

/       51.31   54.00  2.69           X MONZ BI       PP    3 5 5 5      R                       <(       6*
L                                            5A                                                                            0
R FLT   51.31   51.31     FLT C/ BETWEEN BRXX AND MONZ.

/       54.00   57.00  3.00  247        MONZ BI       PP    3 5 5 5      P                       <(       7* <(
L                             14             5A                                          E*                                0

/       57.00   60.00  3.00  268        MONZ BI       PP    3 5 5 5      P                       <(       D( <(
L                             14             5A                                          E*                  D.            0

/       60.00   63.00  3.00  246        MONZ BI             2 5 5 5      P               V(               7( <(
L                              0             6G                                                              D.            0
R       62.20   62.50     CLAST OF DARK GRAY MAFIC VOLC.
R       62.20   62.50     MOSTLY ANGULAR QZ CLASTS IN A MAFIC MED-GRND MATRIX.

/       63.00   66.00  3.00  267        MONZ BI             2 5 5 5      P               V(   P=          D( 00
L                             14                                                                             00            0

/       63.00   64.50  1.50           X BRXX                        8      R                                D* B(
L                                         MZ                3 2   0                                                        0

/       66.00   69.00  3.00  220        MONZ BI             2 5 5 5      P               V(               7( <(
L                             00                                                                                           0

/ DYK   68.28   69.00  0.72           X BASL          AP    2 0          R                       V*
L                                            2A                   0                                                        0
R       68.28   68.28     CNT NO OBSERVED.
R       68.28   72.30     SIMILAR TO BASL DYKE IN DDH 36 AT 141 M.

/ DYK   69.00   72.00  3.00  281        BASL                2            P                       V*
L                                            2A                                                                            0

/       72.00   75.00  3.00  215        BASL                2            P                       V*
L                             00             2A                                                                            0

/ FLT   72.30   75.00  2.70           X MONZ BI             2 5 5 5      R    V1      80 V-   G6 <(       8( D.
L                                            6G                   0                      E)                  00            7

/       75.00   78.00  3.00  235        MONZ                2 5 6 5      P               V(      <-       8( D-       7T
L                             20             7G                   0                                          D.            1
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R         75.00   81.00      CL AFTER BI AND HB.

/         78.00   81.00   3.00  260        MONZ               2 5 6 5        P    V2      35 V(          <+       8( D-        7T
L                                00                                                               Q)                                0

/         81.00   84.00   3.00  265        MONZ BI         EQ  2 5 6 5        P               V(          P-       D) D*
L                                 0             7G                  0                          E)   Q(                D-             0

/         84.00   87.00   3.00  234        MONZ BI         EQ  2 5 6 5        P    V1      50 V(          P-       D) 00
L                                 0             7G                  0                          E)   Q(                00             0

/         86.40   87.00   0.60           2 BRXX                                R                                    8*
L                                          MZ 5A                                                                                     0
R         86.40   87.00      GRADATIONAL CNT WITH BRXX-MZ.

/         87.00   90.00   3.00  236        BRXX            VG  4 7 3 8        P                      Q+ V(        8) D(
L                                51        MZ 7G                    0                                                D.            0
R         87.00   90.00      MONZ HAS ARGILIC ALTERATION.  BRXX CONTAINS 1 TO 20 CM ANGULAR
R         87.00   90.00      QZ-FRAGS IN MONZ MATRIX.  DISS-CP OCCURS IN FRACTURES, VUGS
R         87.00   90.00      AND IN PY VEINS.  MO IN QZ-FRAGS AS DISS AND <.
R         87.00   90.00      DARK GREEN FRAGS OF ANDS.  FX-PHENO IN MONZ ALTERED TO
R         87.00   90.00      PALE-GREEN CLAY MIN.

/         90.00   93.00   3.00  280        BRXX            VG  4 7 3 8        P                      Q) V(        8) D(
L                                00                                                                                                  0

/         93.00   96.00   3.00  290        BRXX            VG  4 7 3 8        P                      Q+ V(        8) D(
L                                 0                                                                                                  0

/         94.80   96.00   1.20           X MZPP BI         PP  2 4 5 5        R                      Q=
L                                               8G                  0                                                                0
R         94.80   99.00      MZPP HAS INTENSE ARGILIC ALTERATION.
R         94.80   94.90      GRADATIONAL CNT.

/         96.00   99.00   3.00  245        MZPP            PP  2 4 5 5        P    V5      50 5(   Q=                  8(        3M
L                                46             8G                  0             V8      40    P)                   <-               1
R         97.80  100.10      FAULT ZONE.

/ FRC     99.00  102.00   3.00  226        MONZ            PP  2 4 5 5        P                      Q= <(        8*            3M
L                                 0             8G                  0                         P+                   <.               0

/        102.00  105.00   3.00  245        MONZ            PP  2 4 5 5        P    V5      40 V-   Q= <(        8* <(         3M
L                                 0             8G                  0                         P+                   <.               1

/        105.00  108.00   3.00  275        MONZ            PP  2 4 5 5        P    V2      50      Q= <(        8*            3M 7T
L                                 0             8G                  0             V1      55 E( P+                 00               0
R        105.00  108.00      TR KF-E! AROUND PY-CP <.

/        108.00  111.00   3.00  250        MONZ            PP  2 4 5 5        P               00   Q* V(        8* D*         3T
L                                 0             6A                                            P(                                    0
R        108.00  111.82      MONZ ONLY WEAKLY ALTERED.
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL


/ DYK  109.30  110.00   0.70           + BASL           MX    3 4 0 0        R    DT      40
L                                             2G                    C                                                            0

/      111.00  111.82   0.82   65        MONZ BI        PP    2 4 5 5        P    V1      70        Q= <(        8*           3M     
L                               0                                                                                                0
R EDT  111.82  111.82      NO AZIMUTH FOR S001.
R      111.82  111.82      END OF DDH 37.
```

A UMM A LAB A MTH A MTH				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A 012	3.66	6.00	5772	.099	.007
A 012	6.00	9.00	5773	.478	.008
A 012	9.00	12.00	5774	.202	.010
A 012	12.00	15.00	5775	.197	.010
A 012	15.00	18.00	5776	.403	.020
A 012	18.00	21.00	5777	.388	.027
A 012	21.00	24.00	5778	.442	.043
A 012	24.00	27.00	5779	.193	.048
A 012	27.00	30.00	5780	.142	.027
A 012	30.00	33.00	5781	.075	.033
A 012	33.00	36.00	5782	.046	.018
A 012	36.00	39.00	5783	.123	.022
A 012	39.00	42.00	5784	.174	.017
A 012	42.00	45.00	5785	.257	.017
A 012	45.00	48.00	5786	.498	.035
A 012	48.00	51.00	5787	.620	.043
A 012	51.00	54.00	5788	.143	.002
A 012	54.00	57.00	5789	.191	.005
A 012	57.00	60.00	5790	.206	.012
A 012	60.00	63.00	5791	.202	.012
A 012	63.00	66.00	5792	.180	.005
A 012	66.00	69.00	5793	.196	.005
A 012	69.00	72.00	5794	.027	.002
A 012	72.00	75.00	5795	.132	.008
A 012	75.00	78.00	5796	.218	.012
A 012	78.00	81.00	5797	.149	.008
A 012	81.00	84.00	5798	.170	.013
A 012	84.00	87.00	5799	.173	.018
A 012	87.00	90.00	5800	.209	.020
A 012	90.00	93.00	5801	.164	.032
A 012	93.00	96.00	5802	.155	.023
A 012	96.00	99.00	5803	.190	.038
A 012	99.00	102.00	5804	.154	.028
A 012	102.00	105.00	5805	.151	.027
A 012	105.00	108.00	5806	.149	.013
A 012	108.00	111.00	5807	.145	.010
A 012	111.00	118.60	5808	.045	.010
R ASY	3.66	118.60	AVE. CU=190% ; AVE. MOS2=.019%		

				PPM AG	PPB AU	PPM W	PPM PB	PPM ZN	
A UMM									
A LAB				MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A MTH				PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA	
A TYP				COMPOS	COMPOS	COMPOS	COMPOS	COMPOS	
R ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY AMINUS SIGN.						
A 014	3.66	18.00		4.1	5	3	18	58	88.1
R ASY	3.66	18.00	5772	5776					
A 014	18.00	33.00		2.7	10	2	13	156	183.7
R ASY	18.00	33.00	5777	5781					
A 014	33.00	48.00		2.5	5	3	17	82	109.5
R ASY	33.00	48.00	5782	5786					
A 014	48.00	63.00		2.2	15	-2	19	136	170.2
R ASY	48.00	63.00	5787	5791					
A 014	63.00	78.00		1.4	5	5	16	68	95.4
R ASY	63.00	78.00	5792	5796					
A 014	78.00	93.00		1.4	5	3	14	51	74.4
R ASY	78.00	93.00	5797	5801					
A 014	93.00	108.00		1.8	5	3	23	86	118.8
R ASY	93.00	108.00	5802	5806					
A 014	108.00	111.86		1.6	5	7	18	57	88.6
R ASY	108.00	111.86	5807	5708					

R SUM WC DDH 37 COLLARED IN MONZ-BX, BRXX OCCURS FROM 3.6 TO 51 M.

R SUM MONZ OCCURS BELOW 51 M TO THE BOTTOM OF THE HOLE. THIS IS

R SUM CUT BY A BASL DYKE AND BRXX (86.4 TO 94.8 M).

R SUM ANGULAR QZ-CLASTS ARE COMMON IN BRXX, WITH MINOR MONZ,

R SUM ANDS-FRAGMENTS. MONZ/MZPP FORMS THE MATRIX OF BRXX.

R SUM MO IS COMMON IN QZ-CLASTS, CP AND PY ARE MORE ABUNDANT IN THE

R SUM MATRIX. BRXX IS VUGGY AND BADLY FRACTURED LOCALLY.

R SUM CP IS COMMON IN MONZ, MO OCCURS MAINLY IN TR.

R SUM KF-E' AND ARGILLIC ALTER: ARE COMMON IN MONZ.

R SUM SIGNIFICANT FAULTS OCCUR AT: 38.5 M; 51 M; 72.3 TO 75 M;

R SUM AND 99 TO 102 M.

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                                  G E O L O G   E D I T   L I S T I N G                  SYSTEMS ENGINEERING BY
                                                                                     INTERNATIONAL GEOSYSTEMS CORP.

                                      SASKATCHEWAN MINING DEVELOPMENT CORP.
                                      WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                              FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCDH038      COLLAR ELEVATION:     1489.00      AZIMUTH( DEG ) :   15.00      GEOLOGGED BY : DTC •
TOTAL DEPTH/LENGTH :  251.16      NORTHING(- IF S):     2815.00      VERTICAL ANGLE :  -55.00      DATE (YY/MM/DD): 810922
CORE/HOLE DIAMETER :      NQ      EASTING (- IF W):     2294.00      CO-ORD SYSTEM  :   MAP        PROJECT NUMBER :   4942

                           SEQ. NO OF     LENGTH FROM COLLAR     AZIMUTH    VERT. ANGLE
                          SURVEY DATA      TO SURVEY POINT       ( DEG )      ( DEG )

                                    1               92.66          0.00        -58.00
                                    2              198.12          0.00        -55.00

R HED                    DDH 38 COMMENCED ON SEP 20, 1981, COMPLETED SEP 24, 1981.

   F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  .  ) D X TYPE  1  2 QM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3       3  4 O N H /  M      2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                         DESIG      VIR   COL              R D P C   L       STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2

/ OVB    0.00    9.50    9.50    0      OVER                             P
L                                0

/ CAP    9.50   12.00    2.50  182      QZPP          PP VG 2 4 2 4      P   V6        40 4*                             LI 5L
L                               16        AP 8A                 0                         P+                   <.     C2       3

/       12.00   15.00    3.00  264      QZPP          PP VG 2 4 2 4      P   V5        80 4*                             LI 5L
L                               15        AP 8A                 0                         P+                   <.     C1       2

/       15.00   18.00    3.00  237      QZPP          PP VG 2 4 2 4      P   V6        20 4*                             LI 5L
L                               00        AP 8A                 0                         P+                   <.     C2       4

/ FLT   17.50   18.00    0.50         X FAUL                             R                      G6
L                                                                                                                              0
R       17.50   18.00       INTENSFLY FRACTURED CORE

/       18.00   21.00    3.00  234      QZPP          PP VG 2 4 2 4      P   V6        50 4*                             LI 5L
L                                                                                         Q=                                   3

/ FLT   18.00   18.90    0.90         X FAUL                             R                      G6
L                                                                                                                              0
R       18.00   24.00       BADLY FRACTURED CORE

/       21.00   24.00    3.00  293      QZPP          PP VG 2 4 2 4      P   V6        25 4*                             LI 5L
L                               16                                           V5        50                      S.              1

/ FRC   24.00   27.00    3.00  260      QZPP          PP VG 2 4 3 4      P             V)                                LI 5L
L                               37           8A                 0                         Q=                          C3       2
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```
K  F  F R O M - T O -  I N T RECOV  MD X ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R       24.00   27.00      INTENSELY FRACTURED ZONE WITH ABUNDANT FRAC-FILLING LI

/ CAP   27.00   30.00   3.00  258        QZPP           PP VG 2 4 3 4       P    V6      60 V)                          LI 5L
L                              30                                                                                         2      2

/       30.00   33.00   3.00  232        QZPP           PP VG 2 4 3 4       P    V6      65 V)   G(                     LI 5L
L                              53                                                                                                2

/       33.00   36.00   3.00  190        QZPP           PP VG 2 4 3 4       P    V6      50 V)                          LI 5L
L                              54                                                                                D.       1      5

/       36.00   39.00   3.00  290        QZPP           PP VG 2 4 3 4       P    V6      70 V+                          LI 5L
L                              50                                                                                00              6

/       39.00   42.00   3.00  234        QZPP           PP VG 2 4 3 4       P    V6      60 V)                 D.       LI 5L
L                              30                                                                                                7

/       42.00   45.00   3.00  287        QZPP           PP VG 2 4 3 4       P    V5      45 V=                          LI 5L
L                              72                                                                                S.              8

/ CAP   45.00   48.00   3.00  284        QZPP           PP VG               P    V6      60 V+                 D-       LI 5L
L                              66             8A                                              P1                        A+       6

/       48.00   51.00   3.00  175        QZPP           PP VG               P    V6      60 V+                 D=       LI 5L
L                              00             8A                                              P1                        A+       X

/       51.00   54.00   3.00  210        QZPP           PP VG               P    V6      60 V+                 D)       LI 5L
L                              15             8A                                              P1                        A+       9

/ DYK   52.80   54.00   1.20           4 QZMZ FX QZ           2 5 4 6       R    D7      T70                   D(
L                                             7A                    0                                       MC                   0
R       52.80   56.43      TR. OF MC IN VUGS.

/ CAP   54.00   57.00   3.00  278        QZPP           BW    3 5 2 5       P                P=
L                              92             7A                                              P1                 D.     LI
                                                                                                                        V)      01

/ DYK   54.00   56.43   2.43           X QZMZ FL        PP    2 5 4 6       R    CN     B45                             LI
L                                             8A                                                                        A)      00

/       57.00   60.00   3.00  278        QZPP           BW    3 5 2 5       P                P=                    D(   LI
L                              95             7A                                              P1                 <.     V)      01
R       57.00   60.00      PERVASIVE PHYLLIC ALT. BUT A FEW UNALTERED REMNANTS OF QZPP
R       57.00   60.00      ARE PRESENT

/       60.00   63.00   3.00  212        QZPP           BW    3 5 2 5       P                P=                         LI
L                              35                                                                                       V)       0

/       60.50   63.00   2.50           X QZMZ FL        PP    2 5 4 6       R                                      D(   LI
L                                             7A                                              P+                        V+       0

/ DYK   63.00   66.00   3.00  290        QZMZ FL QZ     PP    2 5 4 6       P                                      D)   LI
L                             194             7A                                              P=                        V(       0
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML        2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      66.00  69.00   3.00  272       QZPP QZ FL    VG    3 3 5 2 6     P    V6       70 V+                              LI
L                            73         AP 7A                                                P1                          V*     6

/      66.00  66.35   0.35          X QZMZ FL QZ          2 5 2 5       R    CN      875
L                                                                                                                               0

/      69.00  72.00   3.00  290       QZPP QZ FL    BW    3 3 5 2 6     P    V2       30 V=                     D)           LI
L                           138         AP 7A                                                P1                          V*     9

/      72.00  75.00   3.00  282       QZPP QZ FL    VG    3 3 5 2 6     P    V6       60 V+                     D)           LI
L                           144         AP 7A                                                P1                    V=    V*     9

/      75.00  78.00   3.00  244       QZPP QZ FL    VG    3 3 5 2 6     P    V6       70 V+                     D)           LI
L                            83         AP 7A                                                P1                    V=    V*     9

/ FLT  75.90  78.00   2.10          X FAUL                              R                           G1                       LI
L                                                                                                                            C)     0

/      78.00  81.00   3.00  189       QZPP QZ FL    VG    3 3 5 2 6     P    V5       25 V+                                  LI
L                            74         AP 7A                                                P1                          V*     1

/ FLT  78.00  81.00   3.00          X FAUL                              R                           G1                       LI
L                                                                                                                            C)     0

/      81.00  84.00   3.00  285       QZMZ FL       PP    2 5 3 6       P    V2       75 V+                     V*           LI
L                            85                                                                  P=                          V*     1

/      81.00  81.12   0.12          X QZPP          PP                  R                                                    LI
L                                          8A                                                                                C=     0
R      81.12  86.91        QZMZMAY ACTUALLY BE A FL RICH PHASE OF QZPP

/      84.00  87.00   3.00  298       QZMZ FL QZ    PP    2 5 3 6       P                V*                     D)           LI
L                           128            8A                                                P+                          C)     1

/      86.91  87.00   0.09          X QZPP          PP                  R
L                                          8A                                                P+                                 0

/      87.00  90.00   3.00  260       QZPP QZ FL    PP    3 5 3 6       P                V*                     D)           LI
L                           118            8A                                                P=                          C*     1

/      87.91  88.21   0.30          X FAUL                              R                           G1
L                                                                                                                               0
R      89.70  90.00        CORE BADLY BROKEN

/      90.00  93.00   3.00  204       QZPP          PP VV 3 5 2 6       P    V1       20 5+                     8)              58
L                           000            7A                 0              V5       45    P1                 V=              8
R      90.00  93.00        MO-QZ VEINS CUT QZ, & PY VEINS, QZPP HAS ABUNDANT PERVASING SER

/      93.00  96.00   3.00  230       QZPP          PP VV 3 5 2 6       P    V5       45 5+     F.              8)              58
L                             0                                              V1       25                          (            8
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RT 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       96.00   99.00   3.00  233        QZPP           PP VV 3 5 2 6       P    V2     55 5+                 8)           5B
L                               0                                                V3     35                        -            X
R       96.00   99.00      CORE BADLY FRACTURED
R       96.00  102.00      TR OF PHYLLIC E' AROUND PY-VEIN

/       99.00  102.00   3.00  212        QZPP           PP VV 3 5 2 6       P    V6     45 5+                 8+           5B
L                               0                                                V2     70                                     0

/      102.00  105.00   3.00  255        QZPP           PP    3 5 2 5       P    V2     70 5+                 8)           5F
L                              16             7A                    0            SH     60     P1                 <-            7

/      105.00  108.00   3.00  284        QZPP           PP    3 5 2 5       P    V5     60 5+                 8)        CI 5F
L                              16             7A                    0            V2     75     P1          FL     <(    C-      6
R      105.00  108.00      TR. OF UNALTERED QZPP
R      105.00  110.00      CC ON DISS PY IN FRCTS . TR. PINK FLOURITE-Q IN QZ-MO VEIN

/      108.00  111.00   3.00  236        QZPP           PP    3 5 2 5       P    V3     30 5+                 8)           5F
L                              16                                                                          FL                  6
R      109.00  110.00      TR. OF PALE-GREEN FLOURITE WITH QZ-MO VEIN

/ FRC  111.00  114.00   3.00  257        QZPP           PP    3 5 2 5       P    SH     40 5=                 8)_       00 5F
L                              00                                                                                 -     00      7
R      111.00  114.00      SEVERAL MINOR SHEAR ZONES . MO VEINS CUT BY PY-VEINS

/      114.00  117.00   3.00  260        QZPP           PP BW 3 5 2 5       P    V5     55 5+                 B+           5M
L                              00                                                              P2          MC     S(            5
R      114.00  117.00      BW OF PY IN VUGS
R      114.00  117.00      MORE INTENSE ALTER. IN MO-RICH ZONES . TR. MC-C WITH MO-QZ-PY-V.

/      117.00  120.00   3.00  240        QZPP           PP RB 3 5 2 5       P    V5     40 5+                 8)           5F
L                              00                                                                          FL     V*            7
R      117.00  120.00      MO-QZ MACROVEIN AND RB-MO IN QZ VEIN. QZ-MO VEINS USUALLY VOID
R      117.00  120.00      OF PY. PY EITHER IN QZ-V OR AS BW IN VUGS.

/      120.00  123.00   3.00  260        QZPP           PP    3 5 2 5       P    V2     55 5+                 8)           5F
L                              50                                                V3     30                        V(            8

/ FLT  122.00  122.53   0.53           2 FAUL                               R                     G6
L                                                                                                                               0

/      123.00  126.00   3.00  204        QZPP           PP    3 5 2 5       P    V2     40 5=     G=          8)        FL 5M
L                               0          AP 7A                    0            V5     40     P2                 V(    Q-      X

/ FLT  123.50  125.60   2.10           7 FAUL                               R    SH     55        G7
L                                                                                                                 D(            0

/      126.00  129.00   3.00  245        QZPP           PP    3 5 2 5       P    V3     30 5+     F(          8)        00 5M
L                               0          AP 7A                    0            V2     20     P2                 V(    00      5

/      129.00  132.00   3.00  246        QZPP           PP    3 5 2 5       P    V3     40 5=     G=          8)        FL 5M
L                               0                                                                                               1
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```
K  F   F R O M - T O -   I N T RECOV  MO X ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TY TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       129.00  129.10      MO-V CUT BY PY-V.

/ DYK   129.30  131.70  2.40          9 MZPP FX        PP VG 3 5 4 5       R    V1      25 00     Q)             A)        CI 5F
L                                             5A                 0                            P1                   00     C*       0
R       129.30  131.70      CNT NOT VISIBLE DUE TO FRACTURED CORE

/       132.00  135.00  3.00  288        QZPP          PP    3 5 2 5       P    V5      35 5+                    6+           5M
L                              0              7A                 0              V1      20    P2                  S(               6

/ FRC   135.00  138.00  3.00  236        QZPP          PP    3 5 2 5       P    V1      20 5+                    8)           5B
L                              0              7A                 0              V3      35    P2                  S-               6
R       136.00  137.30      BADLY BROKEN CORE.
R       137.00  138.00      PHYLLIC ALTER. GRADUALLY DECREASES BELOW 137M, WITH LOW MO

/       138.00  141.00  3.00  294        QZPP          PP    3 5 2 5       P    V5      50 4)                    <*           5L
L                             33              8A                                              E=                  <.               3
R       138.00  141.00      ABUNDANT SECTIONS OF UNALTERED QZPP, PHYLLIC ENVELOPES MARKED
R       138.00  141.00      ALTER.

/       141.00  144.00  3.00  144        QZPP          PP VG 3 5 2 5       P    V5      30 5=                    6)           5F
L                              0           AP 8A                 0              V2      20    P=                  S-               0
R       141.00  144.00      PATCHY PHYLLIC ALTER.

/       144.00  147.00  3.00  270        QZPP          PP HW 3 5 2 5       P    V3      40 5+                    A+ D.     CI 5B
L                             68              7A                                V6      30    P1                     V(     C(       7

/       147.00  150.00  3.00  285        QZPP          PP 00 3 5 2 5       P    V5      40 5=                    V) 00        5F
L                             70              8A                                V1      30     =                     <-              ?
R       147.00  150.00      MO-V CUT QZ-V

/ DYK   150.00  153.00  3.00  212        FBPP FX BI    PP    3 5 4 5       P    DT      65       G2              D*
L                             00              4A                 0              DB      20                                         0
R       150.00  153.00      FAULT ZONE

/       151.60  153.00  1.40          5 QZPP                 3 4 2 5       R    SH      20 4)    G3              V)           5B
L                                             6A                 0                            P1                     <.            2
R       151.60  153.00      QZPP IS INTENSELY ALTER. AND SHEARED AT LOWER CNT WITH FBPP-DYKE

/       153.00  156.00  3.00  222        QZPP          PP    3 5 2 5       P               5)                    V)           5B
L                             38              8A                 0                            P1                     <.            3
R       153.00  156.00      GRADATIONAL CNT WITH QMPP

/ DYK   155.30  156.00  0.70          X QMPP FX    QZ  PP    3 5 4 6       R    V1      25 00     Q)                          3F
L                                             6A                 0                            E1                   00              0
R       155.30  156.00      ABUNDANT 2 TO 5MM PHYLLIC-E' AROUND PY-V., CY AFTER PF-PHENO

/       156.00  159.00  3.00  282        QMPP FX    QZ  PP    3 5 5 6       P    V1      65        Q)             V*           3L
L                             16              6A                 0                            E= Q-                                0
R       156.00  159.00      CL AFTER BI & HB-PHENO.

/       159.00  162.00  3.00  270        QMPP FX    QZ  PP    3 5 5 6       P    DB      20        Q)             V*           3L
L                             18                                                                                                   0
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K  F   F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----,-- ----,-- ---,-- ---,-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ DYK  161.50  162.00   0.50           2 FELS FX               2 0 0 0      R    V1      25                   V*
L                                               9R                                                     Q.                            0

/ DYK  162.00  165.00   3.00  223         PPAN PF        PP    2 4 1 5      P    DT      55                   V)             3L
L                              16              2A                    0           V1      25     E) P-                                0
R      162.00  165.00    .  PY-VEINS HAVE E' SIMILAR TO THOSE IN QMPP

/      165.00  168.00   3.00  250         PPAN PF        PP    2 4 1 5      P    V1      23              23   V) Q)          3F
L                              00              3G                                                                                    0
R      166.00  168.00       TR. OF PALE-GREEN CLAY AFTER PF-PHENO.

/      168.00  171.00   3.00  290         PPAN PF        PP    2 4 1 5      P    V1      50                   V)             3L
L                              88                                                                                                    0
R      168.00  171.00       TR. OF WHITE FRAC-FILLING CLAY

/      171.00  174.00   3.00  257         PPAN PF        PP    2 4 1 5      P    DT      55                   V)             3L
L                              00                                                                                                    0

/      174.00  177.00   3.00  287         PPAN PF        PP    2 4 1 5      P    DB      45                   V)             3L
L                              56                                                V1      22                                          0

/      174.90  177.00   2.10           7 QZPP FX QZ      PP    3 5 1 5      R    V1      60 4*                6* D.          5A
L                                              7A                    0                          P2                                   2
R      174.90  177.00       ZONES OF UNALTERED QZPP.

/      177.00  180.00   3.00  254         QZPP           PP    3 5 1 5      P    V3      60 4*                8)             5A
L                              15              7A                    0                          P2                 V-                3

/      180.00  183.00   3.00  280         QZPP           PP    3 5 2 5      P    V5      40 5+                8*             5M
L                              39              7A                    0                          P1                 V-                6

/      183.00  186.00   3.00  297         QZPP           PP    3 5 2 5      P    V3      50 5=                8*             5M
L                              50              7A                    0           V5      40     P1                 V(                0

/      186.00  189.00   3.00  276         QZPP           PP    3 5 2 5      P    V5      40 5+                8*             5B
L                              62              7A                    0                          P1                 V-                6
R      186.00  195.00       SEGMENTS OF UNALTERED QZPP

/      189.00  192.00   3.00  275         QZPP           PP    3 5 2 5      P    V5      50 5+                8*          CI 5M
L                              22              8A                                V6      70                               A-         0

/      192.00  195.00   3.00  287         QZPP           PP    3 5 2 5      P    V5      40 5+                V*             5M
L                              62                                                V1      75                         (                7

/      195.00  198.00   3.00  272         QZPP           PP    3 5 2 5      P    V5      40 5+                8*             5M
L                              20                                                                                                    5
R      195.00  198.00       QZPP NEAR CNT RESEMBLES FELS, & CONTAINS PARTLY ASSIMULATED TUFF

/ CNT  195.96  197.60   1.64           5 TUFF            HF    2 0 0 0      R    CT      20 00
L                                              1A                    0           CB      60     E                  00                0
```

```
K  F   F R O M - T O -  I N T RECOV  MD X ROCK TM TM OM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
F -L- ----,-- ----,-- ---,-- ---,-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                           R Q D  AGE EV RQ LC TM OM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/      198.00  201.00   3.00  266          QZPP          PP                       P                V(                V*
L                              00                6A                                                    P)                D.            0

/      198.00  199.50   1.50           5 TUFF                                     R
L                                                                                                                                      0
R      198.00  199.50      CNT NOT CLEAR, FELS(QZPP) HAS INCLUSIONS OF TUFF

/      201.00  204.00   3.00  275          TUFF          HF                       P      V2      60 4*    F-    D.    V)          1L
L                              58                1A                                      V5      30    3(                S.            2
R      201.00  216.00      QZ-PY VEINS COMMONLY HAVE SER./CY E' . JOINTING IS COMMON AND
R      201.00  216.00      LOCALLY INTENSE.

/      204.00  207.00   3.00  300          TUFF          HF                       P      V1      50 5)    F-    D.    V*          1L
L                              33                                                        V5      40          Q.                        4

/      207.00  210.00   3.00  266          TUFF          HF                       P      V2      68 4*    F-    D.    V)          1L
L                              44                                                                               D.                     2

/      210.00  213.00   3.00  274          TUFF          HF VG                    P      V1      35 4*    F-    D.    V)          1L
L                              15                                                        V5      50             00                     3

/ FRC  213.00  216.00   3.00  270          TUFF          HF                       P      V2      60 4*    F-    D.    V)          1L
L                              00                                                                               C.       00            3
R      215.00  216.00      BADLY FRACTURED CORE

/      216.00  219.00   3.00  293          TUFF          HF                       P      V2      60 V(    F-    D.    V)          1L
L                              101                                                                              00                     0

/      216.20  219.00   2.80         X GRDR HB           EQ VV 4 5 8 5            R      CT      25 V-                  8) D*    C$
L                                                6A                  C                                 E. Q)    X*       00    C-      1
R      216.20  217.30      CHILL-MARGIN, ABUDANT HS IN CM ZONE
R      218.50  219.50      INTENSELY ALTERED ZONE; CL AFTER MAFICS, SER & CY AFTER PF.
R      218.50  219.50      LITTLE ORIGINAL TX WAS PRESERVED.  TR. CC WITH CP.

/      219.00  222.00   3.00  280          GRDR HB       EQ    4 5 9 6            P                                     8) D(    C$ 7T
L                              56                6A                  C                          E- E( Q-    C-                D.       0

/      222.00  225.00   3.00  290          GRDR HB       EQ    4 5 9 6            P      V1      30    00               8) 00    00 7T
L                              110               6A                  C                          E- E* Q-    X-                00       0
R      222.00  225.00      TR. F-GRAINED SECONDARY?  BI IN PHYLLIC E' AROUND PY-V
R      222.00  225.00      TR. OF SPECULAR HE-X ON FRCTS.

/      225.00  228.00   3.00  270          GRDR HB       EQ    4 5 9 6            P                                     8) D(    C$ 1L
L                              018                                                              00                                     0
R      225.00  228.00      TR. OF BI AFTER HB-

/      228.00  231.00   3.00  300          GRDR HB       EQ    4 5 9 6            P      SH      70 5(    G1          8) D-    C$ 28
L                              87                                                        V2      30                                    1
R      228.00  231.00      PALE-GREEN CLAY (MM?) AFTER PF, STRONG ALTER. ZONE NEAR SHEAR
R      228.00  231.00      ZONE
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       231.00  234.00   3.00  262       GRDR HB        EQ    4 5 9 6       P    V2      55       00          8* D(    CI 1L
L                               49                                                                      C.             C-       1

/       234.00  237.00   3.00  277       GRDR HB        EQ    4 5 9 6       P                                 8) 00    CS 7T
L                              176                                                                      00                      0
R       234.00  237.00      DECREASING HB IN GRDR, TR. CL AFTER HB, FX APPEAR PINKISH.

/       237.00  240.00   3.00  295       GRDR HB        EQ    4 5 9 6       P                        F(       8) D(    CS 7T
L                              134                                                                                              0

/       240.00  243.00   3.00  288       GRDR           EQ                  P    V1      55       Q(       V( 8*          1L
L                              124             6A                                V4      30    E- Q-                            0
R       240.00  243.00      SUB-PARALLEL GY-VEINS

/       243.00  246.00   3.00  280       GRDR           EQ                  P    V2      65 5-    Q)       V* 8) D.       2L
L                              079                                               V4      50                                     1
R       243.20  243.50      SHEAR ZONE, ABUNDANT CY AFTER PF

/       246.00  249.00   3.00  272       GRDR           EQ                  P    V2      30 5*    Q-       V( 8*          1L
L                              101                                                                                              2
R       246.00  249.00      QZ-PY VEINS HAVE SER.-E'

/       249.00  251.16   2.16  210       GRDR           EQ                  P    V1      55 5-    Q(       V( 8* 00       1L
L                               94                                                                                              1
R       249.00  251.16      DDH 38 ENDED AT 251.16M.
```

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A 012	9.50	12.00	5809	.003	.027
A 012	12.00	15.00	5810	.003	.042
A 012	15.00	18.00	5811	.003	.047
A 012	18.00	21.00	5812	.002	.075
A 012	21.00	24.00	5813	.001	.022
A 012	24.00	27.00	5814	.003	.340
A 012	27.00	30.00	5815	.004	.355
A 012	30.00	33.00	5816	.003	.290
A 012	33.00	36.00	5817	.002	.137
A 012	36.00	39.00	5818	.002	.187
A 012	39.00	42.00	5819	.001	.068
A 012	42.00	45.00	5820	.002	.167
A 012	45.00	48.00	5821	.002	.063
A 012	48.00	51.00	5822	.001	.050
A 012	51.00	54.00	5823	.001	.045
A 012	54.00	57.00	5824	.002	.125
A 012	57.00	60.00	5825	.002	.127
A 012	60.00	63.00	5826	.006	.113
A 012	63.00	66.00	5827	.004	.147
A 012	66.00	69.00	5828	.002	.148
A 012	69.00	72.00	5829	.003	.125
A 012	72.00	75.00	5830	.002	.105
A 012	75.00	78.00	5831	.001	.078
A 012	78.00	81.00	5852	.003	.047
A 012	81.00	84.00	5833	.007	.012
A 012	84.00	87.00	5834	.006	.053
A 012	87.00	90.00	5835	.003	.020
A 012	90.00	93.00	5836	.002	.033
A 012	93.00	96.00	5837	.001	.140
A 012	96.00	99.00	5838	.002	.043
A 012	99.00	102.00	5839	.002	.013
A 012	102.00	105.00	5840	.036	.020
A 012	105.00	108.00	5841	.028	.032
A 012	108.00	111.00	5842	.008	.018
A 012	111.00	114.00	5843	.006	.058
A 012	114.00	117.00	5844	.009	.037
A 012	117.00	120.00	5845	.010	.040
A 012	120.00	123.00	5846	.009	.103
A 012	123.00	126.00	5847	.019	.073
A 012	126.00	129.00	5848	.012	.068
A 012	129.00	132.00	5849	.042	.003
A 012	132.00	135.00	5850	.015	.053
A 012	135.00	138.00	5851	.012	.027
A 012	138.00	141.00	5852	.017	.013
A 012	141.00	144.00	5853	.034	.032
A 012	144.00	147.00	5854	.764	.033
A 012	147.00	150.00	5855	.023	.015
A 012	150.00	153.00	5856	.114	.007
A 012	153.00	156.00	5857	.228	.002
A 012	156.00	159.00	5858	.246	.002

A UMM A LAB A MTH A TYP					%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A	012	159.00	162.00	5859	.183	.002
A	012	162.00	165.00	5860	.048	.002
A	012	165.00	168.00	5861	.062	.002
A	012	168.00	171.00	5862	.148	.002
A	012	171.00	174.00	5863	.092	.002
A	012	174.00	177.00	5864	.049	.003
A	012	177.00	180.00	5865	.018	.058
A	012	180.00	183.00	5866	.025	.123
A	012	183.00	186.00	5867	.024	.035
A	012	186.00	189.00	5868	.008	.017
A	012	189.00	192.00	5869	.009	.028
A	012	192.00	195.00	5870	.018	.155
A	012	195.00	198.00	5871	.053	.017
A	012	198.00	201.00	5872	.072	.020
A	012	201.00	204.00	5873	.062	.015
A	012	204.00	207.00	5874	.051	.042
A	012	207.00	210.00	5875	.050	.010
A	012	210.00	213.00	5876	.041	.007
A	012	213.00	216.00	5877	.165	.097
A	012	216.00	219.00	5878	.434	.002
A	012	219.00	222.00	5879	.070	.002
A	012	222.00	225.00	5880	.150	.002
A	012	225.00	228.00	5881	.102	.003
A	012	228.00	231.00	5882	.140	.002
A	012	231.00	234.00	5883	.122	.002
A	012	234.00	237.00	5884	.064	.002
A	012	237.00	240.00	5885	.097	.002
A	012	240.00	243.00	5886	.055	.002
A	012	243.00	246.00	5887	.114	.002
A	012	246.00	249.00	5888	.103	.002
A	012	249.00	251.16	5889	.051	.001
R	ASY	24.00	78.00	AVE. CU=.002% ; AVE. MOS2=.148 %		
R	ASY	9.50	147.00	AVE. CU=.024% ; AVE. MOS2=.084 %		
R	ASY	9.50	251.16	AVE. CU=.054% ; AVE. MOS2=.056 %		

A	UMM					PPM AG	PPB AU	PPM W	PPM PB	PPM ZN	
A	LAB					MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A	MTH					PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA	
A	TYP					COMPOS	COMPOS	COMPOS	COMPOS	COMPOS	
R	ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN.							
A	014	9.50	24.00			.9	5	3	10	8	26.9
R	ASY	9.50	24.00	5809	5813						
A	014	24.00	39.00			.9	10	4	13	5	32.9
R	ASY	24.00	39.00	5814	5818						
A	014	39.00	54.00			.9	5	-2	8	5	16.9
R	ASY	39.00	54.00	5819	5823						
A	014	54.00	69.00			1.1	5	9	15	6	26.1
R	ASY	54.00	69.00	5824	5828						
A	014	69.00	75.00			1.4	5	4	15	6	31.4
R	ASY	69.00	75.00	5829	5830						
A	014	75.00	90.00			1.1	5	5	8	6	25.1
R	ASY	75.00	90.00	5831	5835						
A	014	90.00	105.00			.6	5	3	3	10	21.6
R	ASY	90.00	105.00	5836	5840						
A	014	105.00	120.00			2.7	5	2	11	7	27.7
R	ASY	105.00	120.00	5841	5845						
A	014	120.00	135.00			2.4	5	2	16	6	31.4
R	ASY	120.00	135.00	5846	5850						
A	014	135.00	150.00			.9	5	3	6	5	19.9
R	ASY	135.00	150.00	5851	5855						
A	014	150.00	165.00			.9	5	-2	12	25	40.9
R	ASY	150.00	165.00	5856	5860						
A	014	165.00	180.00			.7	2	2	6	39	52.7
R	ASY	165.00	180.00	5861	5865						
A	014	180.00	192.00			.3	5	7	3	6	21.3
R	ASY	180.00	192.00	5866	5869						
A	014	192.00	204.00			.8	5	19	11	35	70.8
R	ASY	192.00	204.00	5870	5873						
A	014	204.00	219.00			1.0	5	45	14	71	136.0
R	ASY	204.00	219.00	5874	5878						
A	014	219.00	234.00			1.0	5	8	9	31	54.0
R	ASY	219.00	234.00	5879	5883						
A	014	234.00	249.00			.8	5	5	7	19	36.8
R	ASY	234.00	249.00	5884	5888						
A	014	249.00	251.16			.8	5	4	7	16	32.8
R	ASY	249.00	251.16	5889							
R	ASY	192.00	219.00	AVE. W=32 PPM FROM 192219							

R SUM QZPP OCCURS FROM 9.5 TO 201 M. THIS IS CUT BY SEVERAL TYPES OF

R SUM DYKES= MZPP, FBPP, QMPP, PPAN, QZMZ, AND FELS. STRONG PHYLLIC

R SUM ALTER. (PERVASIVE SER.) OCCURS FROM 90 TO 135 M, TOGETHER WITH

R SUM ABUNDANT MO VEINS, MO-QZ VEINS. CI WERE FOUND AS COATINGS ON

R SUM DISS PY. PATCHY PHYLLIC ALTER. OCCURS THROUGHOUT QZPP. MOST

R SUM DYKES ARE V. WEAKLY MINERALIZED. FELS OR FX-RICH QZPP OCCURS

R SUM AT CNT BETWEEN QZPP AND TUFF. TUFF IS PROBABLY HZ GROUP, IT IS

R SUM STRONGLY JOINTED, HORNFELSED, AND HAS ABUNDANT PY, QZ-PY VEINS.
R SUM SER-E' ARE COMMON AROUND THOSE VEINS. TR. OF MO OCCURS IN
R SUM PY-QZ VEINS. HZ-TUFF OCCURS FROM 201 TO 216.2 M. GRDR OCCURS
R SUM FROM 216.2 TO 251.16 M. A CHILL-MARGIN OCCURS AT THE CNT WITH
R SUM TUFF, SPECULAR HEMATITE, CS, AND CP ARE COMMON IN THIS ZONE.
R SUM DISS. CP OCCURS IN GRDR, GRDR IS WEAKLY ALTERED EXCEPT NEAR
R SUM SHEAR ZONES WHERE PF-PHENO. ARE REPLACED BY MM? OR SER.. SUB-
R SUM PARALLEL GYPSUM VEINS OCCUR BELOW 240 M. IN GRDR. SIGNIFICANT
R SUM FAULTS OCCUR AT 17.5 TO 19M; 76 TO 81M; 111 TO 114M; 123.5 TO
R SUM 125.6M; 150 TO 152M; AND 228 TO 231M.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEVELOPMENT CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6802

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DRILLHOLE/TRAVERSE : WCDH039      COLLAR ELEVATION:    1470.00     AZIMUTH( DEG ) :  270.00     GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  149.81      NORTHING(- IF S):    2930.00     VERTICAL ANGLE :  -60.00     DATE (YY/MM/DD): 810900
CORE/HOLE DIAMETER :      NQ      EASTING (- IF W):    2232.00     CO-ORD SYSTEM  :   MAP       PROJECT NUMBER :    4942
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                     SEQ. NO OF     LENGTH FROM COLLAR    AZIMUTH    VERT. ANGLE
                     SURVEY DATA     TO SURVEY POINT      ( DEG )     ( DEG )

                         1               108.81             0.00       -64.00
                         2               148.44             0.00       -64.00
```

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R HED                  DDH 39 DRILLING COMMENCED ON 25 SEP 1981, COMPLETED SEP 27,1981

  F   - I N T E R V A L -    CORE  T- X       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                 H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                          ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                          QUAL   AGE EN- Q LC- 3       3  4 O N H /  M      2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y G                          DESIG      VIR  COL              R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A   2   2

/ OVR   0.00    9.75    9.75    0       OVER                        P
L                               0

/       9.75   12.00    2.25  205       TCAN PF BI KF  PP    2 4 4 5     P                                    D*        LI
L                               0            6A               0                           G-                             C1      0
R       9.75   12.00       1 TO 5 MM PF-PHENO, AND MINOR BI-PHENO IN PALE-GREEN-GRAY FX MTX
R       9.75   12.00       TR OF CL AFTER BI, TCAN IS SIMILAR TO PPAN-DYKE IN DDH 36 (192
R       9.75   12.00       TO 213 M.)

/      12.00   15.00    3.00  260       TCAN PF BI KF  PP    2 4 4 5     P                                    D* D.     LI
L                              30                                                                                        F+      0

/      15.00   18.00    3.00  256       TCAN PF BI KF  PP    2 4 4 5     P                                    00        LI
L                              00                                                                                        F)      0

/ FRC  18.00   21.00    3.00  240       TCAN PF BI KF  PP    2 4 4 5     P   V1       80      G=              D*        LI
L                              29                                                                                        *       0
R      19.80   20.70       BADLY BROKEN CORE

/      21.00   24.00    3.00  205       TCAN PF BI KF  PP    2 4 4 5     P                                    D*        LI
L                              32                                                                                        -       0

/      24.00   27.00    3.00  282       TCAN FX BI     PP    2 4 4 5     P                        G)          D*        LI
L                              46            6A               0                                                          C1      0

/      27.00   30.00    3.00  227       TCAN FX BI     PP    2 4 4 5     P                        G)          D*        LI
L                             190            6A               0                               2                          C1      0
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K  F  F R O M - T O -  I N T RECOV  MO X ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/        27.85   28.40   0.55            2 PPAN                 2 4 1 4        R                       G=
L                                                                     0                                                        0
R        27.85   28.40       FINER GRAINED PPAN WITH LESS PHENO.

/        28.40   30.00   1.60            5 BRXX         VG      3 0 0 0        R   08      40          G1          00
L                               17            7A                      0                                                 3      0

/ FRC    30.00   33.00   3.00  187         BRXX         VG                     P                                        LI
L                               17            6U                                                                        A2     0
R        30.00   33.00       BRXX HAS FRAGS. OF UNALTERED QZPP

/        33.00   36.00   3.00  193         BRXX         VG                     P                       G=               LI
L                               18                                                                                      3      0
R        33.00   54.00       V. STRONG LI COATING/STAINING, LITTLE FRESH SURFACE VISIBLE

/        36.00   39.00   3.00  240         APLT         VG      2 3            P                       G1               LI
L                               00            6U                                                                        C3     0
R        38.60   42.70       FRC ZONE, TR. OF TUFF, CORE TOO BROKEN UP TO ID CNT.

/ FRC    39.00   42.00   3.00  120         APLT         VG      2 3            P                       G1               LI
L                               00                                                                                             0

/        39.00   40.80   1.80            X FAUL                                R                       G6
L                                                                                                                              0
R        39.00   51.00       APLT IS STRONGLY FRACTURED, VERY POOR CORE RECOVERY

/        42.00   45.00   3.00  053         APLT         VG      2 3            P                       G1               LI
L                               00                                                                                             0

/ FRC    45.00   48.00   3.00   63         APLT         VG      2              P                 V*    F)               LI
L                                0            7U                                                                        C3     2

/ FRC    48.00   51.00   3.00   84         APLT         VG      2              P                 V*    G=         D.    LI
L                                0            7A                                                                        C3     2

/ FRC    51.00   54.00   3.00  106         APLT         VG      2              P                 V* 00 F)               LI
L                                0            7U                                                       S.               C3     3

/        54.00   57.00   3.00  143         APLT         VG      2              P                 V*    F)         A(    LI
L                               24            7U                                                                  00    C3     4
R        54.00   60.00       INTENSE LEACHING OF VEINS AND ALONG FRACTURES.

/        57.00   60.00   3.00  254         APLT         VG      2              P   V6       25 V*    F)         00    LI
L                               83                                                                                             0

/        60.00   63.00   3.00  180         APLT         VG      2              P                 V*    F)               LI
L                               58                                                                                             0

/ DYK    60.00   60.40   0.40            2 PPAN                 2 4 3 5        R   DT       55 00    Q+               LI
L                                             5G                      0                                                 C1     0
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S U SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       63.00   66.00   3.00  240         APLT                               P                V*                          LI
L                              92                                                                P)                       C3      2
R       63.00   66.00      FAULT CNT WITH HORN

/ FLT   63.60   66.00   2.40            8 HORN              VV 2             R     V6      20 V)                V-
L                                     HZ       2A                                                00                                6
R       63.60   75.00      VERY STRONG JOINTING IN HZ-TUFF, TUFF IS STRONGLY HORNFELSED.

/       66.00   69.00   3.00  047         HORN              VV 2             P                V)                          LI
L                             00     HZ       2A                                                                         C1      5

/       69.00   72.00   3.00  203         HORN              VV 2             P     V5      45 4)     F(          V*        LI
L                             00     HZ       2A                                  V2      60                      S.     C1      7

/ FLT   72.00   75.00   3.00  133         FAUL              VV 2             P                V-    G8          D.        LI
L                             00     HZ       2A                                                                  00     A2      1

/ DYK   75.00   78.00   3.00  165         FELS FX        PP    3 4 4 4       P     V6      50 4*                8)
L                                0             8A                    0                           P)                                2
R       75.00   78.00      PORP. FELS IS PROBABLY CNT PHASE OF QZPP(ADJACENT TO TUFF),
R       75.00   78.00      FX-RICH

/       78.00   81.00   3.00  248         QZPP           PP SK 2 4 2 6       P     V1      45 V)                8*        LI 5H
L                             00           AP 8A                     0             V3      25    P(                <.     A=      4

/       78.50   79.55   1.05            3 PPAN                 2 5 2 6       R                00                0-
L                                              5G                    0                           00                00              0

/       81.00   84.00   3.00  272         QZPP           PP SK 2 4 2 6       P     V1      50 4=     Q-          8*        LI 5H
L                             00           AP 8A                     0             V3      30    P*                <.     A=      0

/ STR   84.00   87.00   3.00  244         QZPP FX        SK    2 5 1 6       P     V1      50 V6                7(        LI 5E
L                                0             7A                                                P2                D(     C*      0
R       84.00   87.00      QZPP LACED WITH MANY QZ V'S-ALMOST COMPLETE SILICIFICATION
R       84.00   87.00      LOCALLY

/       87.00   90.00   3.00  225         QZPP FX        SK    2 5 1 6       P     V3      75 V1                6+        LI 5H
L                               17                                                               P2                <(     C(      X
R       87.76   90.77      THIS INTERVAL MAY REPRESENT COMPLETELY PHYLLIC ALT. HORN, AS
R       87.76   90.77      ROCK IS GENERALLY UNIFORM WITH NO QZ PHENOS

/       90.00   93.00   3.00  253         QZPP FX        SK    2 5 1 6       P     V1      50 V=                V+        LI 5E
L                                0                                                               P=                V(     C(      8

/       90.77   93.00   2.23            X HORN                               R     V5      60 V+                V+        LI
L                                              2A                                  CU      60    E)                V(     C(      0
R       90.77   93.00      CORE VERY FRIABLE, STRONG 60' FRACTURE-PROBABLY PARALLEL TO CN.

/       93.00   96.00   3.00  259         HORN                 2             P     V5      90 V+                V+        LI
L                                0             2A                                                E+                V(     C(      5
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ FLT   95.40  96.00   0.60   60      X FAUL                              R               V+    G2                  LI
L                                                                                                                   G)      0

/       96.00  99.00   3.00  160        HORN                 2            P    V2      60 V+                  V+      LI
L                              0             2A                                              E+                  V*   C(      9

/ FLT   96.00  97.00   1.00           X FAUL                              R               V+    G=                  LI
L                                                                                                                   G)      0

/       99.00 102.00   3.00  250        HORN                 2            P    V5      65 V+                  V+      00
L                              0             2A                                              E+                  V*   00      6
R       99.00 116.00          CORE COMPLETELY SHATTERED

/      102.00 105.00   3.00  280        HORN                 2            P    V5      75 V=                  V+         5M
L                              0             2A                                                 S( <-            V*         9

/      105.00 108.00   3.00  160        HORN                 2            P    V1      50 V=                  5+         5M
L                              0             2A                                V5      60    E( S( <-            V*         8

/      108.00 111.00   3.00  187        HORN                 2            P    V2      65 V=                  V+         5M
L                              0             2A                                                 S( <-            <.         7

/      111.00 114.00   3.00  214        HORN                 2            P    V5      75 V)                  8)         5M
L                              0             2A                                                 S( <-            V*         3

/      114.00 117.00   3.00  220        HORN                 2            P    V1      65 V=                  V+         5H
L                              0             2A                                              P2 S( <-            V*         0

/      114.00 116.00   2.00           6 FAUL                              R
L                                                                                                                            0
R      114.00 117.00          VERY STRONG PHYLLIC ALT.

/      117.00 120.00   3.00  200        HORN                 2            P    V6      60 V=                  V+         5M
L                              0                                                                                             0

/      120.00 123.00   3.00  288        HORN          VG     2            P               4+                  8+         5H
L                              0     HZ      6A                                              P1                  V.         4
R      120.00 123.00          HORN IS INTENSELY FRACTURED AND ALTERED

/      123.00 126.00   3.00  290        HORN          VG     2            P    V2      50 4+                  A=         5E
L                              0                                                                                 S=         6

/      126.00 129.00   3.00  255        HORN          VG     2            P               4+                  8+         5A
L                              0                                                                E.                          6
R      126.00 129.00          TR. OF BRECCIATED QZ-VEINS
R      126.00 132.00          FRAGMENTS OR INCLUSIONS OF TFXL IN HORN

/      129.00 132.00   3.00  278        HORN          VG     2            P    V2      70 4+                  8+         5M
L                              0                                                             E+                  D.         6

/      132.00 135.00   3.00  278        HORN          VG     2            P    V5      40 V)                  <+         5B
L                             17                                                             E)                             3
```

K E Y	F -L- G	FROM	TO	INT	RECOV R Q D	MD % AGE	ROCK EV RQ	TM LC	TM TM	QM1 QM2	TX TX	TX TX	F S	C R	% S	M O	TFDM SML	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ KF	BI MU	CY CL	CB EP	MG HE	GY XX	PY PR	CP MO	GL SL	YY	F	I	Z	I
/		135.00	138.00	3.00	218		HORN				VG		2					P					V*						8)				5H			
L					00																				00					00					2	
/		135.00	136.00	1.00		3 X	TFXL						2	4	2	4		R											<)				5L			
L								3L								0								00	P-					00					0	
/		138.00	141.00	3.00	204		HORN						2					P		V2		30	V=						V+				5B			
L					0			2A												V6		25		E)						D.					8	
/		141.00	144.00	3.00	264		HORN						2					P		V2		25	V+						V+				5B			
L					92			2A												V6		25		E)						00					3	
/		144.00	147.00	3.00	256		HORN						2					P		V1		30	V=						8+				5F			
L					50			2A												V6		25		E+		Q-				D.					3	
/		147.00	149.81	2.81	250		HORN						2					P		V1		55	V=						V+				5B			
L					40			2A												V6		25		E)						D.					3	
R		147.00	149.81		DDH 39 ENDS AT 149.81 M.																															

A UMM				%CU	%MOS2
A LAB				MIN-EN	MIN-EN
A MTH				CHEM	CHEM
A TYP				H-CORE	H-CORE
A 012	9.75	12.00	5890	.043	.002
A 012	12.00	15.00	5891	.060	.002
A 012	15.00	18.00	5892	.043	.002
A 012	18.00	21.00	5893	.041	.003
A 012	21.00	24.00	5894	.052	.002
A 012	24.00	27.00	5895	.013	.002
A 012	27.00	30.00	5896	.015	.013
A 012	30.00	33.00	5897	.012	.060
A 012	33.00	36.00	5898	.006	.042
A 012	36.00	39.00	5899	.010	.060
A 012	39.00	42.00	5900	.015	.047
A 012	42.00	45.00	5908	.013	.048
A 012	45.00	48.00	5909	.012	.113
A 012	48.00	51.00	5910	.010	.083
A 012	51.00	54.00	5911	.007	.060
A 012	54.00	57.00	5912	.013	.098
A 012	57.00	60.00	5913	.007	.058
A 012	60.00	63.00	5914	.014	.050
A 012	63.00	66.00	5915	.014	.223
A 012	66.00	69.00	5916	.009	.033
A 012	69.00	72.00	5917	.026	.030
A 012	72.00	75.00	5918	.023	.050
A 012	75.00	78.00	5919	.015	.010
A 012	78.00	81.00	5920	.010	.017
A 012	81.00	84.00	5921	.002	.040
A 012	84.00	87.00	5922	.002	.050
A 012	87.00	90.00	5923	.005	.120
A 012	90.00	93.00	5924	.016	.077
A 012	93.00	96.00	5925	.017	.115
A 012	96.00	99.00	5926	.018	.237
A 012	99.00	102.00	5927	.030	.158
A 012	102.00	105.00	5928	.044	.062
A 012	105.00	108.00	5929	.063	.077
A 012	108.00	111.00	5930	.087	.038
A 012	111.00	114.00	5931	.074	.018
A 012	114.00	117.00	5932	.039	.037
A 012	117.00	120.00	5933	.037	.017
A 012	120.00	123.00	5934	.016	.052
A 012	123.00	126.00	5935	.027	.025
A 012	126.00	129.00	5936	.115	.010
A 012	129.00	132.00	5937	.072	.022
A 012	132.00	135.00	5938	.068	.018
A 012	135.00	138.00	5939	.043	.015
A 012	138.00	141.00	5940	.053	.055
A 012	141.00	144.00	5941	.064	.048
A 012	144.00	147.00	5942	.078	.018
A 012	147.00	149.81	5943	.057	.015
R ASY	30.00	108.00	AVE. CU=.016 %; AVE. MOS2=.078 %		
R ASY	9.75	149.81	AVE. CU=.031 %; AVE. MOS2=.050 %		

A UMM				PPM AG	PPB AU	PPM W	PPM PB	PPM ZN		
A LAB				MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN		
A MTH				PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA		
A TYP				COMPOS	COMPOS	COMPOS	COMPOS	COMPOS		
R ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY AMINUS SIGN.							
A 014	9.75	24.00		.5	5	2	9	39		55.5
R ASY	9.75	24.00	5890 5894							
A 014	24.00	36.00		.3	5	2	7	15		29.3
R ASY	24.00	36.00	5895 5898							
A 014	36.00	42.00		.4	5	3	9	20		37.4
R ASY	36.00	42.00	5899 5900 5908							
A 014	42.00	60.00		.4	5	2	5	4		16.4
R ASY	42.00	60.00	5909 5913							
A 014	60.00	75.00		.9	5	13	1	19		48.9
R ASY	60.00	75.00	5914 5918							
A 014	75.00	90.00		.3	5	2	5	4		16.3
R ASY	75.00	90.00	5919 5923							
A 014	90.00	102.00		.7	5	4	7	21		37.7
R ASY	90.00	102.00	5924 5927							
A 014	102.00	117.00		.8	5	15	8	46		94.8
R ASY	102.00	117.00	5928 5932							
A 014	117.00	132.00		1.0	20	17	1	23		82.0
R ASY	117.00	132.00	5933 5937							
A 014	132.00	147.00		.8	5	13	0	42		80.8
R ASY	132.00	147.00	5938 5942							
A 014	147.00	149.81		1.4	5	6	5	73	1	10.4
R ASY	147.00	149.81	5943							

R SUM EXTENSIVE WEATHERING AND FRACTURING OCCUR THROUGOUT DDH 39.
R SUM LIMONITE IS ABUNDANT FROM SURFACE TO 96 M. APLT OCCURS FROM
R SUM 36 TO 63.6 M., QZPP OCCURS FROM 78 TO 90.77 M. TCAN AND PPAN
R SUM DYKES OCCUR AT TOP OF THE HOLE. HORN OCCURS FROM 63.6 TO 75
R SUM M ,AND 90.77 TO BOTTOM OF DDH 39. MO-VEINS AND QZ-MO VEINS
R SUM ARE ABUNDANT FROM 84 TO 108M., IN QZPP AND HORN WHERE VERY
R SUM STRONG PHYLLIC ALTER. IS FOUND. NO SIGNIFICANT
R SUM MINERALIZATION WERE FOUND IN THE DYKES. CORE IS GENERALLY
R SUM VERY FRIABLE TO COMPLETELY BROKEN DUE TO STRONG FAULTING
R SUM THROUGHOUT THE ENTIRE HOLE. SIGNIFICANT FAULTS OCCUR AT 19
R SUM TO 20M; 38 TO 43M; 48 TO 54 M; 72 TO 75 M; 95 TO 97 M; & 114
R SUM TO 116 M.

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEVELOPMENT CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6802

R Carr

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DRILLHOLE/TRAVERSE : WCDH040     COLLAR ELEVATION:    1402.00     AZIMUTH( DEG ) :    95.00     GEOLOGGED BY : RMC + DTC
TOTAL DEPTH/LENGTH :  325.22     NORTHING(- IF S):    2716.00     VERTICAL ANGLE :   -45.00     DATE (YY/MM/DD): 810900
CORE/HOLE DIAMETER :      NQ     EASTING (- IF W):    2133.00     CO-ORD SYSTEM  :    MAP       PROJECT NUMBER :    4942
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SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
1	93.57	0.00	-52.50
2	205.74	0.00	-52.00
3	272.80	0.00	-50.00
4	325.22	0.00	-49.00

```
R HED                DDH 40 DRILLING COMMENCED 28 SEP, 1981, COMPLETED 4 OCT, 1981.

   F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI     1     AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK    FM      RT    TM QM2 TX TX S R S D S          T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                        QUAL   AGE EN- Q LC- 3       3  4 O N H /  M          2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                        DESIG      VIR   COL              R D P C   L            STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2

/ OVB    0.00   25.30  25.30                OVER                         P
L

/ DYK   25.30   27.00   1.70  145           PPAN FX HB    PP    3 5 5 6       P    V1        75    O+                 6*        LI 78 5F
L                              40                5A                                              E+                           Y(    01
R       25.30   43.80        DYKE HAS 0.5-1CM PHYLLIC E'S WITH PY V'S;  HB REPLACED BY BI

/ DYK   27.00   30.00   3.00  125           PPAN FX HB    PP    3 5 5 6       P    V1        70    O+ V(              6*        LI 78 5F
L                               0                                                                                                     01

/ DYK   30.00   33.00   3.00  221           PPAN FX HB    PP    3 5 5 6       P    V2        65    O+                 6*        LI 78 5F
L                              29                                                                                                     01

/ DYK   33.00   36.00   3.00  158           PPAN FX HB    PP    3 5 5 6       P    V1        75    O+                 6*        LI 78 5F
L                               0                                                                                                     00

/ DYK   36.00   39.00   3.00  269           PPAN FX HB    PP    3 5 5 6     . P    V1        48    O+                 6*        LI 78 5F
L                              76                                                                                                     01

/ DYK   39.00   42.00   3.00  260           PPAN FL HB    PP    3 5 5 6       P    V1        45    O+                 V*           78 5M
L                              31                5A                                              E+        V(                         00

/ DYK   42.00   45.00   3.00  180           PPAN FL HB    PP CM 3 5 5 6       P    V1        30    O+                 V*           78 5M
L                              53                5A                                V1        55    E=                                   00

/ DYK   43.79   45.00   1.21             X QZPP                 2 5 + 5       R                                       O+
                                                 AW                                                                                    0
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML          2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       45.00   48.00   3.00  230        HORN                               P    V1      50 V*          D)    V)       LI
L                               0             1A                                                                 <.    V-       03

/       48.00   51.00   3.00  264        HORN                               P    V1      20 V)          D)    V)       LI
L                              28             1A                                                                 <.    V-       06

/       51.00   54.00   3.00  224        HORN                               P    V1      50 V-          V(    V)       LI
L                              18             1A                                                                 00    V-       01

/       54.00   57.00   3.00  300        HORN                               P    V1      45 V(          D)    V)       LI
L                              00             1A                                 V5      60                      V-    V-       03

/       57.00   60.00   3.00  205        HORN                               P    V5      50 V=          D)    V)       LI
L                              00             1A                                 V1      65                      V-    V-       09

/       60.00   63.00   3.00  230        HORN                 2             P               V*                8)           5L
L                               0    HZ       2A                    C                          E*                                01

/       63.00   66.00   3.00  230        HORN                 2             P    V2      40 V*                8+           5L
L                              23    HZ       2A                    C            V5      70    E*    Q.          <.             02

/ FLT   63.60   64.60   1.00           3 FAUL                               R                     G8
L                                                                                                                00             00

/       66.00   69.00   3.00  220        HORN                 2             P    V1      60 V*    00          8)           5L
L                              00    HZ       2A                    C                          E*                D.             01
R       66.00   69.00      MOST VEINS ARE SUB-PARALLEL TO STRONG FRACTURES (50').

/       69.00   72.00   3.00  284        HORN                 2             P    V1      40 V*    F(          8)           5L
L                              22                                                              E)                                3
R       69.00   72.00      QZ-MO VEINS COMMONLY CONTRORTED

/       72.00   75.00   3.00  250        HORN                 2             P    V5      55 V*                8)           5F
L                              00                                                                 V.                             2

/       75.00   78.00   3.00  220        HORN                 2             P    V5      60 5)    00          8)           5L
L                               0                                                                                                0

/       75.60   76.80   1.20           X FAUL                               R                     G5
L                                                                                              E+                                0

/       78.00   81.00   3.00  269        HORN                 2             P    V5      70 5+                8)           5H
L                               0    HZ       2A                                               E=                V(              6
R       78.00   81.00      ZONES OF COMPLETE PHYLLIC ALT.

/ FRC   81.00   84.00   3.00  260        HORN                 2             P    V5      60 5+                8)           5H
L                               0                                                              P=                                5
R       81.00   90.00      BADLY BROKEN CORE, STRONG PHYL. ALT.

/ FRC   84.00   87.00   3.00  202        HORN                 2             P    V5      70 5+                8)           5H
L                               0                                                                                V-              6
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K  F   F R O M - T O -   I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                             R Q D  AGE EV RO LC TM QM2 TX TX S R S O SML    2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/ FRC   87.00   90.00   3.00  270        HORN               2            P   V5     70 5+                  D)              5A
L                               0                                                                                                0

/       90.00   93.00   3.00  253        HORN               2            P   V5     70 5+                  8)              5H
L                               0                                                                             00                 5

/       93.00   96.00   3.00  284        HORN               2            P   V5     70 5+                  8)              5H
L                               0                                                                                                6
R       93.00   96.00       QZPP DYKES IN HORN NEAR CNT

/ CNT   96.00   99.00   3.00  271        QZPP        PP     3 4 2 5      P   V3     75 4)                  8*
L                              32          AP 8A                  0          V1     35    P(                  V(             5
R       96.00   99.00       QZPP CONTAINS FRAGMENTS OF HORN NEAR CNT AT 96M.
R       96.00   99.00       MO VEIN COMMONLY OCCURS ALONE, QZ-MO VEINS SELDOM CONTAIN PY.
R       96.00   99.00       THOSE VEINS ARE CUT BY PY-VEINS.

/       99.00  102.00   3.00  267        QZPP        PP VV  3 4 3 5      P   V1     55 4)                  8)              5F
L                              48          AP 8A                  0          V3     80    P=                  V(             4

/      102.00  105.00   3.00  276        QZPP        PP VV  3 4 3 5      P   V1     55 4)                  8)              5M
L                              59          AP 8A                  0          V3     80    P1                  V*             4

/      105.00  108.00   3.00  275        QZPP        PP VV  3 4 3 5      P   V3     75 4)                  8)         CI 5F
L                              54          AP 8A                  0          V3     80    P=                  V(      C.     4

/      108.00  111.00   3.00  283        QZPP        PP VV  3 4 3 5      P   V1     60 4)                  8)         00 5F
L                              59          AP 8A                  0          V3     80    P=                  V-      00     5

/      111.00  114.00   3.00  270        QZPP        PP VV  3 4 4 5      P   V5     60 4+    Q-            8)              5A
L                              61          AP 8A                  0          V6     40    P2                  V*             6
R      111.00  114.00       ABUNDANT QZ PHENO., WHITE CY-Q AFTER FX

/      114.00  117.00   3.00  297        QZPP        PP VV  3 4 3 5      P   V5     45 4)                  8)              5F
L                             112                                            V2     50                                       0

/      117.00  120.00   3.00  263        QZPP        PP     3 4 4 5      P   V5     30 V)    Q-            8*              5F
L                              89             7A                  0          V2     40    P1                  V(             4
R      117.00  120.00       ZONES OF UNALTERED QZPP, AS 1 TO 10CM PATCHES

/      120.00  123.00   3.00  276        QZPP        PP     3 4 4 5      P   V2     50 V)    Q-            8*              5M
L                              97                                                                                            5

/      123.00  126.00   3.00  233        QZPP        PP     3 4 4 5      P   V3     60 V+    Q-            8*              5F
L                              16                                                                          V-                7

/ DYK  123.00  123.20   0.20           = FBPP FX BI         3 5 3 5      R             00    Q+            D(
L                                             3A                  0                       P)                  00            00

/      126.00  129.00   3.00  294        QZPP        PP SK  3 4 4 5      P   V1     50 V=    Q-            8*              5E
L                             103                                            V5     80    P2                  V+             0
```

```
K  F   F R O M - T O -  I N T RECOV  MD % ROCK  TM TM QM1 TX TX F C X M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                        R Q D   AGE EV RQ  LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       129.00  132.00   3.00  234         QZPP          PP    3 4 4 5       P    V5       78 V+    Q-          8)       58
L                              41                                                                 P=               V(        7

/ FLT   131.00  132.00   1.00          5 FAUL                                R                    G8
L                                                                                                                            0

/       132.00  135.00   3.00  276         QZPP          PP    3 4 4 5       P    V5       80 V)    Q)          B*       5F
L                              24                                                 V6       50                      V-        3
R       132.00  138.00       ABUNDANT SEGMENTS OF UNALTERED QZPP

/       132.20  132.80   0.60          2 FAUL                                R                    G8
L                                                                                                                            0
R       132.20  132.80       INTENSELY FRACTURED CORE

/       135.00  138.00   3.00  232         QZPP          PP    3 4 4 5       P    V5       65 V)    Q-          B*       C1 5L
L                              17                                                                 P+                    C.   4
R       135.00  138.00       FRAGMENTS AND BLOCKS OF HORN IN QZPP

/       138.00  141.00   3.00  268         QZPP          PP    3 4 2 4       P    V3       65 V(                8*       5L
L                               0               8A                   0                            P*               V-        2
R       138.00  156.00       HORN FRAGMENTS UP TO 10% OF ROCK

/       141.00  144.00   3.00  274         QZPP          PP    3 4 2 4       P    V5       60 V(                6*       5L
L                              19                                                                                  V.        2

/       144.00  147.00   3.00  256         QZPP          PP    3 4 2 4       P    V1       55 V(    D.          8)       5L
L                              18               7A                                                                           2

/       147.00  150.00   3.00  260         QZPP          PP    3 4 2 4       P    V5       50 V)                8*       5L
L                              46                                                                 F)                         4

/       150.00  153.00   3.00  273         QZPP          PP    3 4 2 4       P    V5       55 V(                8*       5L
L                              00                                                                                            3
R       150.00  153.00       HORN BLOCKS UP TO 10CM., CLOSE TO ACTUAL CNT?  (HOLE RUNS
R       150.00  153.00       PARALLEL TO CNT?)

/       153.00  156.00   3.00  270         QZPP          PP RB 3 4 2 4       P    V5       80 V+                8+       5L
L                              00                                                 V3       75                      V)        8
R       153.00  163.90       SUGARY QZ VERY COMMON IN QZ-MO VEINS AND IN MATRIX.

/       156.00  159.00   3.00  255         QZPP          PP    3 4 2 4       P    V5       70 V+                8)       5F
L                              62               7A                   0            V2       60    P)       X(       S*        6
R       156.00  162.00       ZONES OF UNALTERED QZPP
R       156.97  157.00       S-HEMATITE WITH PY-DISS.

/       159.00  162.00   3.00  170         QZPP          PP    3 4 2 4       P    V5       70 V+                8)       5M
L                              18                                                                 P=          -        -     5

/       162.00  165.00   3.00  246         QZPP          PP    3 4 2 4       P    V5       60 V+                8)       5F
L                              55                                                                          00                4
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                          R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       163.00  165.00   2.00            3 PPAN FX HB      PP    3 5 3 6       R                  00                  V*          5L
L                                                  3A                0                              E(                  .             00
R       163.00  165.00       FAULT CONTACT WITH QZPP.
R       163.90  174.00       PPAN HAS FRAGMENTS & ANGULAR CLASTS OF QZPP & QZ-MO VEIN, SIZE
R       163.90  174.00       RANGES FROM 1 TO OVER 10 CM.
R       163.90  174.00       BI AFTER HB-PHENO. PHYLLIC E' AROUND PY-V IN PPAN

/ DYK   165.00  168.00   3.00  260         PPAN FX HB            3 5 3 6       P     V1       50                      6)          5T
L                               32                 3A                0                              E*                  O.             0

/       168.00  171.00   3.00  246         PPAN FX HB            3 5 3 6       P     V1       45                      6)          5L
L                               46                 3A                0                              E* Q(               V.             0
R       168.00  171.00       UP TO 5% QZPP CLASTS, COMMONLY CONTAIN QZ-MO VEIN

/       171.00  174.00   3.00  245         PPAN FX HB            3 5 3 6       P     V1       40                      6)          5T
L                               27                 4G                                                                                  0

/       174.00  177.00   3.00  270         PPAN FX HB            3 5 3 6       P     V2       60 V.                   6)          5T
L                               22                                                                                                     1

/       177.00  180.00   3.00  255         PPAN FX HB      PP    3 5 3 5       P     V1       40          Q-          V)          5T
L                                0                 4G                0                              E*    Q.                           0
R       177.00  180.00       PY-VEINS AND FRACTURES ARE CONFORMABLE(40 TO 60DEG TO HOR. AXIS)

/ FRC   180.00  183.00   3.00  222         PPAN FX HB      PP    3 5 3 5       P     V1       50          Q-          V)          5T
L                                0                                                                                                     0
R       180.00  183.00       FRACTURED CORE

/       183.00  186.00   3.00  275         PPAN FX HB      PP    3 5 3 5       P     V1       40          Q-          V)          5T
L                                0                                                                                                     0

/       186.00  189.00   3.00  245         PPAN FX HB      PP    3 5 3 5       P     V1       40          Q-          V) O.       5T
L                               16                                                                                                     0

/ DYK   189.00  192.00   3.00  195         PPAN FX HB      PP    3 5 3 5       P     D8       75          Q-          V) 00       5T
L                               00                                                                                                     0
R       189.90  190.20       TR. OF FELS BLOCK, QZPP ?

/       192.00  195.00   3.00  265         QZPP            PP    3 4 2 5       P     V3       65 V*                   V*          5F
L                               68                 8A                0                              P)                  <-             2
R       192.00  195.00       PHYLLIC ALTER. AS PATCHES AND E'
R       194.92  195.00       TR. OF AH-VEIN

/       195.00  198.00   3.00  267         QZPP            PP    3 4 2 5       P     V3       55 V)                   6*       AH 5F
L                               35                 8A                0                   V2       50    P)                  V.    V.       6

/       198.00  201.00   3.00  264         QZPP            PP    3 4 2 5       P     V6       68 V)                   6*       00 5B
L                               68                 8A                0                   V3       70    P+                  V.    00       6
R       198.00  201.00       PY AND QZ-PY VEINS COMMONLY WITH PHY. E'

/       201.00  204.00   3.00  234         QZPP            PP    3 4 2 5       P     V5       70 V)                   6*       AH 5M
L                               20                                                                  P=                  V-             4
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K  F  F R O M - T O -  I N T RECOV MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      201.00  204.00      UNALTER. QZPP APPEARS BUFF TO PALE PINK COLOUR.

/      204.00  207.00   3.00 254        QZPP           PP    3 4 2 5       P   V1      35 4+                6)       AH SF
L                             64                                               V3      60                                    7

/      207.00  210.00   3.00 272        QZPP           PP    3 4 2 5       P   V4      55 V)             V. 6*       AH SA
L                             19                                                             P1                V.            5

/      210.00  213.00   3.00 284        QZPP           PP    3 4 2 5       P   V5      60 V*              ( 6*       AH SF
L                             66                                                              =                V-            3

/      213.00  216.00   3.00 284        QZPP           PP    3 4 2 5       P   V3      55 V)                6* 0.    AH SB
L                             74                                                                               V.            4

/      216.00  219.00   3.00 288        QZPP           PP    3 4 2 5       P   V3      70 V)             <, 6)          SF
L                             94             8A                    0           V4      65    P=                V-            5

/      219.00  222.00   3.00 276        QZPP           PP    3 4 3 5       P   V3      75 V)             <, 6)          SF
L                            160             8A                    0           V6      80    P=                V(            6

/      222.00  225.00   3.00 270        QZPP           PP    3 4 2 5       P   V1      60 V)             <, 6)          SF
L                            065             8A                    0           V4      65    P=                V.            4

/      225.00  228.00   3.00 260        QZPP           PP    3 4 2 5       P   V5      50 V)             V( 6)          SL
L                             36             8A                    0           V6      70    P+                V-            4

/      226.00  226.50   0.50          1 FAUL                               R                    G7       V*
L                                                                                                              00            0

/      228.00  231.00   3.00 243        QZPP           PP    3 4 2 5       P   V1      60 V)    G2       <, 6)   AH SF
L                             70             7A                    0           V4      65    P=                0.    V-      4

/ DYK  228.00  228.20   0.20          = PPAN FX        PP    2 4 1 4       R   DT.     40 00             00 <-
L                                            1A                    0           DB      60                      00           00
R      228.60  229.50      FAULT ZONE

/      231.00  234.00   3.00 285        QZPP           PP    3 4 2 5       P   V5      35 V)             <, 6)          SF
L                            195                                               V3      30    P=                V(            4

/      234.00  237.00   3.00 292        QZPP           PP    3 4 3 5       P   V5      70 4+          <-             AH SM
L                            122             7A                    0           V3      30    P1                V*    <-      8
R      234.00  255.00      FRAC-FILLING AH AND GY-VEINS ARE COMMON.

/      237.00  240.00   3.00 293        QZPP           PP    3 4 3 5       P   V4      60 4)          <-             AH SB
L                            203                                               V1      50    P=                 -            4

/      240.00  243.00   3.00 294        QZPP           PP    3 4 3 5       P   V3      60 4+          <-             AH SM
L                            134                                                                                     <(      3

/      243.00  246.00   3.00 285        QZPP           PP    3 4 3 5       P   V3      70 4+          <-             AH SM
L                            096                                               V6      20                      V(            5
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 IO AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      246.00 249.00  3.00  294       QZPP        PP    3 4 3 5    P    V5    70 4+          <-          AH 5M
L                           200                                                   E+                V.                3

/      249.00 252.00  3.00  297       QZPP        PP    3 4 3 5    P    V5    80 4+          <-          AH 5M
L                           077                                     V4    50    P1                  V=                4

/      252.00 255.00  3.00  277       QZPP        PP    3 4 3 5    P    V1    80 4+          <-          AH 5M
L                           105                                                                     V.                5

/      255.00 258.00  3.00  260       QZPP        PP    3 4 3 5    P    V3    50 V+             <( 6)    AH 5B
L                            95           7A              0                     P1                      2*            6
R      255.00 258.00        QZ-MO & MO VEINS COMMONLY CUT BY PY-VEINS.  GY AND AH VEINS ARE
R      255.00 258.00        THE YOUNGEST.

/      258.00 261.00  3.00  270       QZPP        PP    3 4 3 5    P    V3    50 V+       <.    <( 6)    AH 5B
L                            19                                                                                       4

/      261.00 264.00  3.00  182       QZPP        PP RB 3 4 3 5    P    V5    80 V=             <( 6)    AH 5A
L                            17                                     V3    40    P2                                    9
R      261.00 264.00        RB. MO-QZ VEINS (2 TO 3 CM THICK)

/ FLT  263.80 264.00  0.20            = FAUL                       R            00   G9
L                                                                                                                     00

/      264.00 267.00  3.00  124       QZPP        PP VV 3 4 3 5    P    V3    50 V+             <( 6)    AH 5B
L                            17                                                 P1                  V.                4

/ FLT  264.00 265.60  1.60            5 FAUL                       R                 G9
L                                                                                                                     0
R      264.00 265.60        LESS THAN 5% CORE RECOVERED

/      267.00 270.00  3.00  245       QZPP        PP    3 4 3 5    P    V2    50 V+             <( 6)    AH 5B
L                            14                                     V5    40                        V-                5

/      270.00 273.00  3.00  287       QZPP        PP    3 4 3 5    P    V5    60 V+             <( 6)    AH 5B
L                            68                                                                     S*                6
R      270.00 273.00        5 TO 10 MM QZ-PY VEINS WITH MO-SELVAGES

/      273.00 276.00  3.00  270       QZPP        PP    3 4 3 5    P    V5    60 5+                6)    AH 5F
L                            20           7A              0         V1    50    P=                  S(    <(          6

/      276.00 279.00  3.00  237       QZPP        PP    3 4 3 5    P    V5    60 5+                6) 8( AH 5M
L                           110           7A              0         V1    50    P1                  S*    <(          6

/      279.00 282.00  3.00  256       QZPP        PP    3 4 3 5    P    V5    60 5+             <- 6) 00 AH 5F
L                           035           7A              0         V1    50    P=                  <.    <(          4
R      279.00 282.00        PATCHES OF UNALTERED QZPP ARE COMMON.

/      282.00 285.00  3.00  278       QZPP        PP HW 3 4 3 5    P    V2    40 5+                V+       AH 5F
L                            67                                                                                       5
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                                             SASKATCHEWAN MI   G DEVELOPMENT CORP.
 G E O L O G                                 WHITING CK PORP  RY MO-CU DEPOSIT                                     P  E - 8
                                       DRILLHOLE/TRAVERSE ---  WCDH040 --- (CONTINUED)

K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M TFOM  RI 1 IO AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----,-- ----,-- ---,-- ---,-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM OM2 TX TX S R S O SML      2 IO AZM DIP KF MU CL FP HE XX PR MO SL

/      285.00 288.00   3.00  277        QZPP          PP RB 3 4 3 5      P    V5     60 5+                   6) A.    AH 5F
L                            100                                              V3     34                         V(            6

/      288.00 291.00   3.00  267        QZPP          PP OO 3 4 3 5      P    V2     55 5+                   6) OO    AH 5F
L                            048                                                                                V.            8

/      291.00 294.00   3.00  265        QZPP          PP    3 4 3 5      P    V3     55 5+  O-               6) B.    AH 5B
L                            122                                                        3-                      V-            6

/      294.00 297.00   3.00  294        QZPP          PP    3 4 3 5      P    V1     60 5+                   6)       AH 5F
L                            117                                                        P=                      V.            6

/      297.00 300.00   3.00  295        QZPP          PP    3 4 3 5      P    V5     60 V+                   6*          5F
L                            125           8A                     0                     E*                      V-            6

/      300.00 303.00   3.00  293        QZPP          PP    3 4 3 5      P    V1     62 V+                V. 6*          5F
L                            123           8A                     0           V4     58   E=                    <.            5

/      303.00 306.00   3.00  290        QZPP          PP    3 4 3 5.     P    V3     50 V+                <. 6*          5F
L                            156           8A                     0                     E=                      V-            5

/      306.00 309.00   3.00  293        QZPP          PP    3 4 3 5      P    V5     50 V+                   6*          5F
L                            131           8A                     0           V4     60   E=                    V-            4

/      309.00 312.00   3.00  260        QZPP          PP    3 4 3 5      P    V3     65 V+                   6*          5F
L                            078           8A                     0           V1     50   E+                    V-            5

/      312.00 315.00   3.00  290        QZPP          PP    3 4 3 5      P    V5     60 V+                   6*          5L
L                            170           8A                     0                     E)                      V.            8

/ FLT  313.13 314.06   0.93           3 FAUL          CM    0 0 0 0      R           40 00    G9 P(     OO G.
L                                                                                    40    OO                   06            6
R      313.13 314.06      HEALED FAULT MARKS CNT WITH GRDR BELOW

/      314.06 315.00   0.94           3 GRDR          EQ CM              R    V1     65 OO    Q= V-        V(
L                                          6A                                          OO Q.                    OO           OO
R      314.06 323.50      CHILL MARGIN EXTENDS TO 323.5 M, GRDR IS HIGHLY ALTERED

/      315.00 318.00   3.00  299         GRDR HB      EQ CM              P    V1     53       Q2 V-     <. V(              A
L                             92                                                        Q+                                    0

/      318.00 321.00   3.00  290         GRDR HB      EQ CM              P    V1     40       Q2 V-     <. 8*              A
L                             96                                                        E)       C.                           0
R      318.00 321.00      CLAY AND SERICITE COMPLETELY REPLACED FX., GRDR IS WEAKLY PP IN
R      318.00 321.00      PLACES.  PHY. E' AROUND PY-VEINS.

/      321.00 324.00   3.00  300         GRDR HB      EQ CM              P    V1     60       Q2 V-     <. 8(              A
L                            138                                                                                              0

/      324.00 325.22   1.22  122         GRDR HB      EQ OO              P    V1     53       OO V-     <. V(              F
L                            078                                                        Q.
```

```
K  F   F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       324.00  325.22      HB IS V. WEAKLY ALTERED
```

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A 012	25.30	27.00	5944	.048	.001
A 012	27.00	30.00	5945	.076	.002
A 012	30.00	33.00	5946	.047	.002
A 012	33.00	36.00	5947	.060	.002
A 012	36.00	39.00	5948	.051	.003
A 012	39.00	42.00	5949	.081	.003
A 012	42.00	45.00	5950	.036	.003
A 012	45.00	48.00	5956	.051	.030
A 012	48.00	51.00	5957	.061	.030
A 012	51.00	54.00	5958	.045	.055
A 012	54.00	57.00	5959	.050	.015
A 012	57.00	60.00	5960	.054	.020
A 012	60.00	63.00	5961	.072	.035
A 012	63.00	66.00	5962	.085	.048
A 012	66.00	69.00	5963	.074	.018
A 012	69.00	72.00	5964	.130	.027
A 012	72.00	75.00	5965	.121	.047
A 012	75.00	78.00	5966	.059	.032
A 012	78.00	81.00	5967	.104	.092
A 012	81.00	84.00	5968	.081	.105
A 012	84.00	87.00	5969	.111	.025
A 012	87.00	90.00	5970	.053	.058
A 012	90.00	93.00	5971	.064	.042
A 012	93.00	96.00	5972	.052	.077
A 012	96.00	99.00	5973	.025	.145
A 012	99.00	102.00	5974	.018	.097
A 012	102.00	105.00	5975	.010	.299
A 012	105.00	108.00	5976	.015	.105
A 012	108.00	111.00	5977	.012	.060
A 012	111.00	114.00	5978	.010	.118
A 012	114.00	117.00	5979	.010	.322
A 012	117.00	120.00	5980	.020	.113
A 012	120.00	123.00	5981	.024	.063
A 012	123.00	126.00	5982	.024	.153
A 012	126.00	129.00	5983	.011	.319
A 012	129.00	132.00	5984	.007	.127
A 012	132.00	135.00	5985	.007	.035
A 012	135.00	138.00	5986	.007	.063
A 012	138.00	141.00	5987	.027	.045
A 012	141.00	144.00	5988	.022	.037
A 012	144.00	147.00	5989	.032	.053
A 012	147.00	150.00	5990	.026	.073
A 012	150.00	153.00	5991	.067	.030
A 012	153.00	156.00	5992	.125	.279
A 012	156.00	159.00	5993	.041	.052
A 012	159.00	162.00	5994	.011	.087
A 012	162.00	165.00	5995	.029	.033
A 012	165.00	168.00	5996	.051	.015
A 012	168.00	171.00	5997	.029	.028
A 012	171.00	174.00	5998	.055	.010

A UMM A LAB A MTH A TYP				%CU MIN-EN CHEM H-CORE	%MOS2 MIN-EN CHEM H-CORE
A 012	174.00	177.00	5999	.171	.005
A 012	177.00	180.00	6000	.118	.005
A 012	180.00	183.00	6001	.137	.003
A 012	183.00	186.00	6002	.107	.003
A 012	186.00	189.00	6003	.078	.003
A 012	189.00	192.00	6004	.070	.003
A 012	192.00	195.00	6005	.011	.022
A 012	195.00	198.00	6006	.005	.025
A 012	198.00	201.00	6007	.006	.027
A 012	201.00	204.00	6008	.05	.028
A 012	204.00	207.00	6009	.006	.077
A 012	207.00	210.00	6010	.011	.107
A 012	210.00	213.00	6011	.008	.032
A 012	213.00	216.00	6012	.006	.025
A 012	216.00	219.00	6013	.022	.017
A 012	219.00	222.00	6014	.016	.060
A 012	222.00	225.00	6015	.009	.015
A 012	225.00	228.00	6016	.007	.027
A 012	228.00	231.00	6017	.033	.032
A 012	231.00	234.00	6018	.015	.075
A 012	234.00	237.00	6019	.019	.270
A 012	237.00	240.00	6020	.025	.032
A 012	240.00	243.00	6021	.016	.035
A 012	243.00	246.00	6022	.018	.047
A 012	246.00	249.00	6023	.013	.043
A 012	249.00	252.00	6024	.017	.047
A 012	252.00	255.00	6025	.010	.065
A 012	255.00	258.00	6026	.035	.100
A 012	258.00	261.00	6027	.005	.113
A 012	261.00	264.00	6028	.004	.749
A 012	264.00	267.00	6029	.010	.042
A 012	267.00	270.00	6030	.016	.033
A 012	270.00	273.00	6031	.016	.090
A 012	273.00	276.00	6032	.012	.055
A 012	276.00	279.00	6033	.078	.068
A 012	279.00	282.00	6034	.022	.008
A 012	282.00	285.00	6035	.010	.013
A 012	285.00	288.00	6036	.007	.068
A 012	288.00	291.00	6037	.003	.013
A 012	291.00	294.00	6038	.013	.038
A 012	294.00	297.00	6039	.024	.025
A 012	297.00	300.00	6040	.038	.138
A 012	300.00	303.00	6041	.006	.083
A 012	303.00	306.00	6042	.010	.047
A 012	306.00	309.00	6043	.015	.035
A 012	309.00	312.00	6044	.014	.045
A 012	312.00	315.00	6045	.020	.043
A 012	315.00	318.00	6046	.053	.005
A 012	318.00	321.00	6047	.033	.002
A 012	321.00	324.00	6048	.022	.005
A 012	324.00	325.53	6049	.013	.002

A UMM			%CU	%MOS2
A LAB			MIN-EN	MIN-EN
A MTH			CHEM	CHEM
A TYP			H-CORE	H-CORE

```
R ASY   45.00  165.00     AVE. CU=.046% ; AVE. MOS2=.087%
R ASY  231.00  315.00     AVE. CU=.018% ; AVE. MOS2=.086%
R ASY   25.30  325.53     AVE. CU=.038% ; AVE. MOS2=.064%
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A UMM					PPM AG	PPB AU	PPM W	PPM PB	PPM ZN		
A LAB					MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN		
A MTH					PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA		
A TYP					COMPOS	COMPOS	COMPOS	COMPOS	COMPOS		
R ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN.								
A 014	25.30	39.00			0.9	5	10	0	30		65.9
R ASY	25.30	39.00	5944	5948							
A 014	39.00	45.00			.6	5	22	0	27		84.6
R ASY	39.00	45.00	5949	5950							
A 014	45.00	54.00			1.3	5	24	8	63	1	21.3
R ASY	45.00	54.00	5956	5958							
A 014	54.00	61.00			1.0	5	450	1	50	5	27.0
R ASY	54.00	61.00	5959	5963							
A 014	61.00	84.00			.8	5	12	3	43		73.8
R ASY	61.00	84.00	5964	5968							
A 014	84.00	99.00			.8	5	14	4	40		73.8
R ASY	84.00	99.00	5969	5973							
A 014	99.00	114.00			.2	5	5	4	8		22.2
R ASY	99.00	114.00	5974	5978							
A 014	114.00	129.00			.2	5	7	6	7		25.2
R ASY	114.00	129.00	5979	5983							
A 014	129.00	144.00			.2	5	23	4	8		40.2
R ASY	129.00	144.00	5984	5988							
A 014	144.00	159.00			.4	10	16	6	9		41.4
R ASY	144.00	159.00	5989	5993							
A 014	159.00	174.00			.6	5	8	6	36		75.6
R ASY	159.00	174.00	5994	5997							
A 014	174.00	186.00			1.6	10	27	4	161	2	23.6
R ASY	174.00	186.00	5998	6002							
A 014	186.00	201.00			.7	5	16	8	16		45.7
R ASY	186.00	201.00	6003	6007							
A 014	201.00	216.00			.4	5	5	4	8		22.4
R ASY	201.00	216.00	6008	6012							
A 014	216.00	231.00			.7	15	22	9	12		58.7
R ASY	216.00	231.00	6013	6017							
A 014	231.00	246.00			.3	5	4	5	7		21.3
R ASY	231.00	246.00	6018	6022							
A 014	246.00	261.00			.4	10	7	8	13		38.4
R ASY	246.00	261.00	6023	6027							
A 014	261.00	276.00			.8	5	3	8	21		37.8
R ASY	261.00	276.00	6028	6032							
A 014	276.00	291.00			.5	5	4	7	17		33.5
R ASY	276.00	291.00	6033	6037							
A 014	291.00	306.00			.9	5	6	5	10		26.9
R ASY	291.00	306.00	6038	6042							
A 014	306.00	321.00			1.1	5	12	1	31		63.1
R ASY	306.00	321.00	6043	6047							
A 014	321.00	325.53			1.0	5	9	2	32		59.0
R ASY	321.00	325.53	6048	6049							

R SUM QZPP DYKE CUTS HORN NEAR TOP OF DDH 40. HORN HAS MOD. TO

R SUM STRONG PHYLLIC ALT. AND IS STRONGLY FRACTURED (50 DEGREES

R SUM FRC SET).TR. OF QZ-MO VEINS SUB-PARALLEL TO FRCTS OCCUR IN

R SUM	HORN. QZPP OCCURS FROM 96 TO 313.13 M, THIS IS CUT BY A PPAN
R SUM	DYKE FROM 163.9 TO 192 M. PPAN DYKE CONTAINS CLASTS AND
R SUM	FRAGMENT OF QZPP & QZ-MO-V. QZPP CONTAINS ABUNDANT QZ-MO &
R SUM	MO VEINS. PHYLLIC ALTER. IS STRONG IN MO-RICH ZONES. WEAKLY
R SUM	ALTERED ZONES SHOW SER. AS ENVELOPES AROUND PY&PY-QZ VEINS.
R SUM	ZONES OF UNALTD. QZPP WITH PERVASIVE-SER.PATCHES ARE COMMON.
R SUM	GY & AH VEINS OCCUR IN QZPP BELOW 195 M. GRDR OCCURS FROM
R SUM	314.06 TO 325.53 M., ITS CNT WITH QZPP IS MARKED BY A FAUL
R SUM	(313.13 TO 314.06 M). A CHILL MARGIN OCCURS IN GRDR NEAR IT
R SUM	CNT WITH QZPP, IN WHICH GRDR IS STRONGLY ALTERED (FX &
R SUM	MAFICS COMPLETELY REPLACED BY CY, SER, & CL). SIGNIFICANT
R SUM	FAULTS OCCUR AT 63. TO 64.6M; 75.6 TO 76M; 131 TO 132.8M;
R SUM	263.8 TO 265.6M; & 313.13 TO 314.06M.

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                              G E O L O G   E D I T   L I S T I N G                    SYSTEMS ENGINEERING BY
                                                                               INTERNATIONAL GEOSYSTEMS CORP.

                                 SASKATCHEWAN MINING DEVELOPMENT CORP.
                                 WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                         FORMAT VERSION : 6B02

DRILLHOLE/TRAVERSE : WCDH041        COLLAR ELEVATION:      1227.00       AZIMUTH( DEG ) :  225.00       GEOLOGGED BY : DTC +
TOTAL DEPTH/LENGTH :    48.77       NORTHING(- IF S):      1825.00       VERTICAL ANGLE :  -45.00       DATE (YY/MM/DD): 811000
CORE/HOLE DIAMETER :       NQ       EASTING (- IF W):      2150.00       CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :   4942

R HED                        DDH 41 DRILLING COMMENCED 5 OCT, COMPLETED 7 OCT, 1981.

   F    - I N T E R V A L -     CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY     U I       TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )    D X TYPE  1  2 QM1  1  2 F F C A    MI   1     AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                           ROCK   FM    RT   TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                           QUAL   AGE EN- Q LC- 3      3  4 O N H /  M     2     AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                           DESIG      VIR   COL             R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/ OVB     0.00    48.77  48.77            OVER                               P
L
R         0.00    48.77        DDH 41 DID NOT REACH BEDROCK,HOLE ABANDON DUE TO DIFFICULTIES IN
R         0.00    48.77        DRILLING
```

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEVELOPMENT CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT BC

FORMAT VERSION : 6802

```
DRILLHOLE/TRAVERSE : WCDH042     COLLAR ELEVATION:    1227.00     AZIMUTH( DEG ) :  225.00     GEOLOGGED BY : DTC +
TOTAL DEPTH/LENGTH :   25.91     NORTHING(- IF S):    1825.00     VERTICAL ANGLE :  -60.00     DATE (YY/MM/DD): 811000
CORE/HOLE DIAMETER :      NQ     EASTING (- IF W):    2150.00     CO-ORD SYSTEM  :   MAP       PROJECT NUMBER :   4942

R HED                 DDH 42 DRILLING COMMENCED 8 OCT, HOLE LOST 9 OCT, 1981.

   F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY   O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                        QUAL   AGE EN- Q LC- 3      3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                        DESIG      VIR   COL             R D P C   L        STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2

/ OVB     0.00    25.91  25.91            OVER                              P
!.
R         0.00    25.91       DDH 42 DID NOT REACH BEDROCK, HOLE ABANDON DUE TO DIFFICULTIES
R         0.00    25.91       IN DRILLING.
```

I G C   PAGE : 1 DATE :1981/11/..

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEVELOPMENT CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT BC

FORMAT VERSION : 6802

```
DRILLHOLE/TRAVERSE : WCDH043        COLLAR ELEVATION:      1217.00          AZIMUTH( DEG ) :  225.00          GEOLOGGED BY : DTC +
TOTAL DEPTH/LENGTH :  218.54        NORTHING(- IF S):      1800.00          VERTICAL ANGLE :  -55.00          DATE (YY/MM/DD): 811000
CORE/HOLE DIAMETER :      NQ        EASTING (- IF W):      2123.00          CO-ORD SYSTEM  :   MAP            PROJECT NUMBER :   4942
```

SEQ. NO OF SURVEY DATA	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
1	92.96	0.00	-61.00
2	218.54	0.00	-64.00

```
R HED                            DDH 43 DRILLING COMMENCED 5 OCT. 1981, COMPLETED 13 OCT. 1981.

   F    - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A   (MT=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C % M DEN  /RI T IO STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                           ROCK    FM     RT    TM QM2 TX TX S R S O S        T IO STK DIP KF MU CL EP HE XX PR MO SL
F  L                           QUAL   AGE EN- Q LC- 3      3  4 O N H /  M      2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                           DESIG      VIR   COL             R D P C   L        STRUCTUR-2 A  A  A  A  A  A  A  A  A  A     2   2


/ OVB    0.00   22.40  22.40    0        OVER                            P
L                               0

/        22.40   24.00   1.60  153       GRDR HB        EQ    3 5        P    V6      50 V.    G-          D( D.
L                               15            8A                 C                                                            0
R        22.40   24.00      BI & CL AFTER HB, DISS-CP IN MAFICS

/        24.00   27.00   3.00  269       GRDR HB        EQ    3 5        P    V6      50 00    G-          D( D.
L                               89                                                                                            0

/ DYK    24.00   27.00   3.00          9 FLPP FX BI     PP    3 5 3 5    R    DT      70                      D*         7T
L                                             3A                 0            V7      80          O( X-                       0
R        24.40   31.00      MAJOR FRAC. SET AT 50', MOST VEINS ARE SUB-PARALLEL TO THAT CL
R        24.40   31.00      AFTER BI, CP-CL VEINS HAVE KF E'

/ DYK    27.00   30.00   3.00  257       FLPP           PP    3 5 3 5    P    V7      50                  D* V)         7T
L                               85            3A                 0                       E*    O- O*                         0
R        27.20   27.30      TR OF NATIVE CU, ABUNDANT SPECULAR HE-X IN CP VEINS

/ DYK    30.00   33.00   3.00  281       FLPP           PP    3 5 3 5    P    V7      70                  D* V*         7T
L          .                    98                                                                        D.                 0
R        30.00   33.00      LOWER CNT MARKED BY FAUL WITH MO-COATED FRCTS.

/        31.80   33.00   1.20          5 GRDR HB        EQ CM 3 5 0 0    R
L                                             9R                 C                                         00                0
R        31.80   32.80      CM NEAR CNT WITH DYKE

/        33.00   36.00   3.00  300       GRDR HB              3 5        P    V7      40                  D) V-         7L
L                               35            8A                 C                         O(                                0
```

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -|- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML        2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/       36.00   39.00   3.00  255        GRDR HB        EQ    3 5           P    V7      50                   8) V*      7L
L                              64             8A                    C                       E*    P* Q(          <.            0
R       36.00   39.00      CP AS DISS. IN FRACTURES AND MINOR VEINS

/       39.00   42.00   3.00  270        GRDR HB        EQ    3 5           P    V5      65 V.                8) V(      7L
L                              34                                                V1      50       P)             S.            0
R       39.00   42.00      CL AFTER HB

/       42.00   45.00   3.00  300        GRDR HB        EQ    3 5           P    V7      50 00       V- V.    8) V*      7L
L                              63                                                                                D.            0
R       42.00   45.00      MG-CB VEIN

/       45.00   48.00   3.00  255        GRDR HB        EQ    3 5           P    V7      55 V.                8) V*      7L
L                              30                                                V2      50                                    0

/       48.00   51.00   3.00  271        GRDR HB        EQ    3 5           P    V1      38                   8) 8*      7L
L                              75                                                                                              0

/       51.00   54.00   3.00  274        GRDR HB        EQ    3 5           P    V7      50                   8) 6)      7L
L                              54                                                                       D-                     0

/       54.00   57.00   3.00  287        GRDR HB        EQ    3 5           P    V7      65 V-    Q*          D) V)      7T
L                              57             8A                    C            V2      35 E*    Q-             S.            1
R       54.00   57.00      CP AS BROKEN STRINGERS ALONG FRACTURES.

/       57.00   60.00   3.00  253        GRDR HB        EQ    3 5           P    V7      65 V-    Q*          D) V)      7T
I                             120                                                                                              0

/ DYK   57.30   60.00   2.70           9 TRAC KF        PP    3 5 2 6       R               00    Q1          00 00      1F
L                                             6B                    0                       00                   00            0
R       57.52   58.00      GRDR IN CNT WITH DYKE

/ DYK   60.00   63.00   3.00  280        TRAC KF        PP    3 5 2 6       P                     Q1                      1F
L                             159             6B                    0                                                          0
R       60.00   63.00      PALE GREEN CY AFTER FX-PHENO.  PHENO ARE 1 TO 5 MM, ANGULAR TO
R       60.00   63.00      SUB-ROUNDED TO RECTANGULAR.  FELS DYKE IS PORP. BUT MOST FX-
R       60.00   63.00      PHENO WERE REPLACED BY CY. GROUNDMASS IS KF.

/ DYK   63.00   66.00   3.00  297        TRAC KF        PP    3 5 2 6       P                     Q1                      1F
L                             120                                                                                              0

/       63.70   64.00   0.30           ) GRDR HB        EQ    3 5 0 0       R                     Q*          D* D.      7F
L                                             9B                    C                       P1    Q)                           0
R       63.70   64.00      INTENSELY ALTERED GRDR

/ DYK   66.00   69.00   3.00  280        TRAC KF        PP    3 5 2 6       P                     Q1                      1F
L                             162                                                                             00 00            0

/ DYK   69.00   72.00   3.00  272        TRAC KF        PP    3 5 2 6       P    08      50       Q1 V)                   1F
L                             037                                                                                              0
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K  F  F R O M - T O -  I N T RECOV  MD X ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S R S D SML      2 ID AZM DIP KF MU CL EP HE XX PR MU SL

/       69.20   72.00   2.80           9 GRDR HB         EQ    3 5 0 0       R    V7      30          00          V*       7T
L                                           7A                     C                                              D.            0
R       69.20   75.30      CM MARKED BY ABUNDANT CL AND PINK KF IN GRDR, EP VEINS.

/       72.00   75.00   3.00  219         GRDR HB         EQ CM 3 5           P                        Q) V-          V*       7F
L                             000              7A                  C                      P+    Q*                00            0

/       73.80   75.00   1.20           X FAUL                                R                        G6
L                                                                                                                               0

/       75.00   78.00   3.00  290         GRDR HB         EQ    3 5           P    V3      65          F.          8) D*       7L
L                              16              7A                  C                      E=       Q(             <.            0

/ FRC   78.00   81.00   3.00  230         GRDR HB         EQ    3 5           P    V7      50          G+ F=       8) D*       7L
L                              69              7A                  C               V3      80 E=       Q(             <.            0
R       79.20   80.00      WEAK FRC ZONE, CY AFTER PF

/       81.00   84.00   3.00  270         GRDR HB         EQ    3 5           P    V5      40 V(       Q=          8) D*       7L
L                              20                                                                                 00            0

/       84.00   87.00   3.00  254         GRDR HB         EQ VG 3 5           P    V8      50 00       Q1          8) V(       7F
L                              15                                                                                 D.            0
R       84.00   87.00      PALE GREFN CY AFTER PF, GRDR IS STRONGLY ALTERED.

/       87.00   90.00   3.00  271         GRDR HB         EQ    3 5           P    V3      65          F.          8) D-       7L
L                              38                                                                                 00            0

/       90.00   93.00   3.00  280         GRDR HB         EQ    3 5           P    V5      50 V*       F.          8) V*       7L
L                              85                                                                                 X-            1
R       90.00   93.00      MO OCCUR FREQUENTLY AS SMALL X WITH DISS-CP.

/       93.00   96.00   3.00  280         GRDR HB         EQ    3 5           P    V7      40 V(                   6* 6*       7L
L                               0              7A                  C                      E*    Q- Q(             X.            1
R       93.00   96.00      QZ-CP, QZ-MO VEINS USUALLY HAS KF-E'.  BI AFTER HB

/       96.00   99.00   3.00  283         GRDR HB         EQ    3 5           P    V7      55 V(                   6* 8*       7L
L                              46                                              V6      45             X(          00            0
R       96.00   99.00      TR. OF SPECULAR HE IN VUGS.

/       99.00  102.00   3.00  287         GRDR HB         EQ    3 5           P    V7      55 00                   6* 6*       7L
L                              22                                                                                 D-            0

/      102.00  105.00   3.00  288         GRDR HB         EQ    3 5           P    V6      40 V(                   6* 6*       7L
L                              53                                                                                               1

/      105.00  108.00   3.00  287         GRDR HB         EQ    3 5           P    V7      40 00                   X) D(       7L
L                              47                                                                                               0
R      105.40  105.40      EP-HE-CP VEIN

/      108.00  111.00   3.00  290         GRDR HB         EQ    3 5           P    V5      50 V(                   6* 6*       7T
L                             104                                                 E(     . -              <.            1
```

```
K  F  F R O M - T O - I N T RECOV   MD % ROCK TM TM QM1 TX TX F C X M TFDM   RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R O D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      111.00  114.00   3.00  275        GRDR HB        EQ    3 5            P    SH      50 V(                6* 6*       7L
L                             040                                                 V7      55       E.             X.            1
R      111.20  111.30      SHEAR ZONE

/      114.00  117.00   3.00  277        GRDR HB        EQ    3 5            P    V2      60 V(                6* 6*       7L
L                              79                                                                                 00            0

/      117.00  120.00   3.00  269        GRDR HB                             P    V6      40 V*                D* D(       7T
L                              66                                                            E-    Q( Q.                        1

/      120.00  123.00   3.00  273        GRDR HB                             P    V6      40 V*          <.    D* <(       71
L                              64                                                            E-    Q( Q. X-                     0
R      120.00  123.00      ABUNDANT SPECULAR HE-X IN VUGS & FRACTURES WITH CP.

/      123.00  126.00   3.00  292        GRDR HB                             P    V7      50 V.          <( <. D* 6*       7T
L                             140                                                 V6      50        -                           0

/      126.00  129.00   3.00  290        GRDR HB                             P    V7      65 V.       <. <-    D* D-       7T
L                             111                                                                                 X.            0

/      129.00  132.00   3.00  280        GRDR HB                             P    V7      45 V-          00    D* V*       7T
L                             187                                                 V1      55             00                     0

/      132.00  135.00   3.00  297        GRDR HB                             P    V7      57 00       <-       D* D(       7T
L                             187                                                 SH      30       S.             <.            0

/      135.00  138.00   3.00  268        GRDR HB        EQ    3 5            P    V3      40 V-          <. <- D* 7(       7L
L                             175             7A                    C             V7      50 E*                   -.            1

/      138.00  141.00   3.00  252        GRDR HB        EQ CM 3 5            P    V3      40 V-    Q2    <. <- D- D.    MM 2H
L                             076             7A                    C             V7      50 P1                   00    01      0
R      138.00  148.00      CHILL MARGIN: GRDR INTENSELY ALTERED. MM AFTER PF ? NEAR FAULT.

/ DYK  138.93  139.35   0.42           1 BASL 00        AP    2 3 0 0        R    DT      65 00       <- 00 00 00 00
L                                             2G                    O             DB      10 00                   00    00      0
R      139.50  140.00      FAULT ZONE

/      141.00  144.00   3.00  280        GRDR HB        EQ    3 5            P    V3      40 V-       <( <. <- D* 7(       7L
L                             109                                                            P+                                 0

/      143.46  144.00   0.54           2 BASL 00        AP    2 3 0 0        R    DB      30 00    00 <* 00 00 00 00
L                                             2G                    O                        00                   00    00      0

/      144.00  147.00   3.00  200        GRDR HB        EQ    3 5            P    SH      55 V(    G2    <. <- D* D-       7L
L                             110                                                                                 D.            0
R      144.00  147.00      CY AFTER FX, ABUNDANT MOBILIZED CY GOUGES & SEAMS, TR. OF
R      144.00  147.00      BRECCIATED QZ-MU-CP VEINS.
R      144.20  144.50      FAULT ZONE

/      147.00  150.00   3.00  253        GRDR HB        EQ    3 5            P    V6      60 V-    00    <. <- D* 6(       7L
L                             080                                                 V7      60                      S.            0
```

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM OM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
F -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RQ LC TM OM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      147.00  150.00     PURPLE-COLOURED FL IN QZ VEIN

/      150.00  153.00   3.00  285        GRDR HB        EQ    3 5          P    V4      40 00          <. <- D* V*       7L
L                             136                                               V3      30 E*          D-       D.            0

/      153.00  156.00   3.00  276        GRDR HB        EQ    3 5          P    V4      30 V-          <. V( D* 8)       7L
L                             175                                               V7      60                                    0

/      156.00  159.00   3.00  276        GRDR HB        EQ    3 5          P    V7      55                V* D( V)       7F
L                              40          7A                     C             V4      50 E*    Q- Q.                        0
R      158.30  158.50     SHEAR ZONE WITH 10 MM CP-VEIN

/      159.00  162.00   3.00  290        GRDR HB        EQ    3 5          P    V7      50          <.     V* D( 7*       7F
L                             160                                                                                             0

/      162.00  165.00   3.00  264        GRDR HB        EQ    3 5          P    V4      43 V.             V* D( V)       7F
L                             054                                                                                             0

/      165.00  168.00   3.00  259        GRDR HB        EQ    3 5          P    V4      50 00       V*     V* D( V(       7F
L                              72                                               V7      52                                    0

/      168.00  171.00   3.00  298        GRDR HB        EQ    3 5          P    V7      50                V* D( 7*       7F
L                             119                                                                                             0

/      171.00  174.00   3.00  286        GRDR HB        EQ    3 5          P    V7      60 V.    Q(       V* D( <(       7F
L                             101                                                                                             0

/      174.00  177.00   3.00  273        GRDR HB        EQ    3 5          P                     Q-       V( <* 8(       7F
L                             144          7A                     C                    E*    Q- Q.                        0

/      177.00  180.00   3.00  293        GRDR HB        EQ    3 5          P    V2      50 V.    Q- V(    V( <* 8(       7F
L                             222          9R                     C             V7      40 E*    Q- Q.                        0

/      180.00  183.00   3.00  274        GRDR HB        EQ CM 3 5          P                     Q-       V( <* 8(       7M
L                             152          7A                     C                    P2    Q+ Q.                        0
R      180.50  199.00     CHILL MARGIN NEAR DYKE; RX APPEARS PINK, CL ALTER HB

/      183.00  186.00   3.00  236        GRDR HB        EQ    3 5          P                     Q-       V( <* 8(       7F
L                            '044                                                                                             0

/      186.00  189.00   3.00  254        GRDR HB        EQ    3 5          P                     Q-       V( <* 8(       7F
L                              37                                                                                             0
R      186.00  189.00     GRADATIONAL CNT WITH FLPP DYKE

/ DYK  186.80  189.00   2.20        7 FLPP FX BI        PP    3 5 1 5      R                                    V)
L                                          4A                     0                        E-       S. <-                     0
R      186.80  189.00     PROBABLY SAME DYKE AS FLPP IN DDH 26 190.81 TO 194.7 M.

/      189.00  192.00   3.00  263        FLPP FX BI     PP    3 5 1 5      P                        V-          V*
L                              78          4A                     0                                 S. <-                     0

/      192.00  195.00   3.00  282        FLPP FX BI     PP    3 5 1 5      P    V5      70 V.       V-          V*
L                              21          4A                     0             V7      37 00       S. <-       D.            0
```

SASKATCHEWAN MINING DEVELOPMENT CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT BC
DRILLHOLE/TRAVERSE --- WCDH043 --- (CONTINUED)

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MO CL EP HE XX PR MO SL

/ FRC  195.00  198.00   3.00  233        FBPP FX        PP    3 5 1 5       P    V6      60 V.       V-       D- V*
L                              37             5A                    0                                   <*                     0
R      195.00  198.00      BADLY BROKEN CORE, GRADATIONAL CNT

/      197.20  198.00   0.80           3 GRDR HB        EQ CM 3 5 0 0       R               00                    (       7A
L                                             9R                    C                       P1    Q* S.                        0

/      198.00  201.00   3.00  231        GRDR           EQ CM 3 5           P    V4      30          V. V. V- 8( D-       7T
L                              00             9R                    C                       E.    Q. Q-                        0

/      201.00  204.00   3.00  262        GRDR           EQ 00 3 5           P    V4      30          V. V. V- 8( D-       7T
L                             106             7A                    C                       E.    Q. Q-          D.            0

/      204.00  207.00   3.00  257        GRDR           EQ CM 3 5           P    V4      30          V. V. V- 8( 8.       7T
L                             107             9R                    C                       E.    Q. Q-          00            0
R      204.00  207.00      ROCK IS FRESH, TR. OF KF-E', DECREASING CP

/      207.00  210.00   3.00  300        GRDR           EQ CM 3 5           P    V7      50          V. V. V- 8( D-       7T
L                             200                                                                                              0

/      210.00  213.00   3.00  253        GRDR           EQ CM 3 5           P    V1      43          V. V. V- 8( D-       7T
L                             079                                                                                              0

/      213.00  216.00   3.00  242        GRDR           EQ CM 3 5           P    V6      53 V.       V. V. V- 8( <(       7T
L                              16                                                V7      47       S-                           0

/      216.00  218.54   2.54  243        GRDR           EQ CM 3 5           P    V4      30          V. V. V- 8( 6*       7T
L                             100                                                                                              0
```

A	UMM				%CU	%MOS2
A	LAB				MIN-EN	MIN-EN
A	MTH				CHEM	CHEM
A	TYP				H-CORE	H-CORE
A	012	22.40	24.00	6050	.105	.007
A	012	24.00	27.00	6051	.387	.018
A	012	27.00	30.00	6052	.495	.012
A	012	30.00	33.00	6053	.305	.022
A	012	33.00	36.00	6054	.260	.022
A	012	36.00	39.00	6055	.221	.043
A	012	39.00	42.00	6056	.178	.032
A	012	42.00	45.00	6057	.248	.063
A	012	45.00	48.00	6058	.269	.033
A	012	48.00	51.00	6059	.338	.023
A	012	51.00	54.00	6060	.398	.015
A	012	54.00	57.00	6061	.320	.017
A	012	57.00	60.00	6062	.048	.003
A	012	60.00	63.00	6063	.003	.002
A	012	63.00	66.00	6064	.007	.002
A	012	66.00	69.00	6065	.003	.002
A	012	69.00	72.00	6066	.239	.015
A	012	72.00	75.00	607	.363	.030
A	012	75.00	78.00	6068	.236	.028
A	012	78.00	81.00	6069	.545	.040
A	012	81.00	84.00	6070	.228	.022
A	012	84.00	87.00	6071	.306	.027
A	012	87.00	90.00	6072	.159	.020
A	012	90.00	93.00	6073	.194	.048
A	012	93.00	96.00	6074	.169	.017
A	012	96.00	99.00	6075	.192	.037
A	012	99.00	102.00	6076	.129	.017
A	012	102.00	105.00	6077	.182	.068
A	012	105.00	108.00	6078	.185	.022
A	012	108.00	111.00	6080	.101	.037
A	012	111.00	114.00	6081	.283	.032
A	012	114.00	117.00	6082	.236	.018
A	012	117.00	120.00	6083	.259	.017
A	012	120.00	123.00	6084	.222	.015
A	012	123.00	126.00	6085	.251	.027
A	012	126.00	129.00	6086	.171	.007
A	012	129.00	132.00	6087	.364	.013
A	012	132.00	135.00	6088	.350	.098
A	012	135.00	138.00	6089	.302	.037
A	012	138.00	141.00	6090	.184	.012
A	012	141.00	144.00	6091	.086	.010
A	012	144.00	147.00	6092	.219	.073
A	012	147.00	150.00	6093	.271	.045
A	012	150.00	153.00	6094		
A	012	153.00	156.00	6095	.340	.032
A	012	156.00	159.00	6096	.642	.008
A	012	159.00	162.00	6097	.238	.020
A	012	162.00	165.00	6098		
A	012	165.00	168.00	6099	.296	.025
A	012	168.00	171.00	6100	.522	.028

A UMM				%CU	%MOS2
A LAB				MIN-EN	MIN-EN
A MTH				CHEM	CHEM
A TYP				H-CORE	H-CORE
A 012	171.00	174.00	6101	.273	.020
A 012	174.00	177.00	6102	.395	.022
A 012	177.00	180.00	6103	.237	.015
A 012	180.00	183.00	6104	.248	.020
A 012	183.00	186.00	6105	.290	.022
A 012	186.00	189.00	6106	.528	.033
A 012	189.00	192.00	6107	.398	.018
A 012	192.00	195.00	6108	.563	.013
A 012	195.00	198.00	6109	.510	.043
A 012	198.00	201.00	6110	.184	.007
A 012	201.00	204.00	6111	.212	.032
A 012	204.00	207.00	6112	.185	.027
A 012	207.00	210.00	6113	.152	.015
A 012	210.00	213.00	6114	.282	.015
A 012	213.00	216.00	6115	.325	.015
A 012	216.00	218.50	6116	.251	.013
R ASY	22.40	218.54	AVE. CU=.267% ; AVE. MOS2=.026%		

A UMM				PPM AG	PPB AU	PPM W	PPM PB	PPM ZN		
A LAB				MIN-EN	MIN-EN	MIN-EN	MIN-EN	MIN-EN		
A MTH				PCL-AA	AQR-AA	COLOUR	PCL-AA	PCL-AA		
A TYP				COMPOS	COMPOS	COMPOS	COMPOS	COMPOS		
R ASY	0.00	0.00	VALUES BELOW DETECTION LIMIT ARE PRECEDED BY A MINUS SIGN.							
A 014	22.40	36.00		2.7	5	7	6	90	1	40.7
R ASY	22.40	36.00	6050 6054							
A 014	36.00	51.00		1.5	5	4	5	152	2	17.5
R ASY	36.00	51.00	6055 6059							
A 014	51.00	66.00		1.5	10	13	2	406	5	02.5
R ASY	51.00	66.00	6060 6064							
A 014	66.00	81.00		1.7	5	9	0	268	3	63.7
R ASY	66.00	81.00	6065 6069							
A 014	81.00	96.00		1.5	10	5	7	50		83.5
R ASY	81.00	96.00	6070 6074							
A 014	96.00	108.00		1.0	5	4	9	32		51.0
R ASY	96.00	108.00	6075 6078							
A 014	108.00	123.00		1.1	5	6	9	35		56.1
R ASY	108.00	123.00	6080 6084							
A 014	123.00	138.00		1.5	10	6	0	38		65.5
R ASY	123.00	138.00	6085 6089							
A 014	138.00	150.00		2.1	5	14	2	83	1	26.1
R ASY	138.00	150.00	6090 6093							
A 014	153.00	168.00		1.6	5	35	7	76	1	34.6
R ASY	153.00	168.00	6095 6097	6099	6099					
A 014	168.00	183.00		1.7	5	4	1	52		73.7
R ASY	168.00	183.00	6100 6104							
A 014	183.00	198.00		1.6	5	13	4	102	1	45.6
R ASY	183.00	198.00	6105 6109							
A 014	198.00	213.00		1.3	5	9	8	39		62.3
R ASY	198.00	213.00	6110 6114							
A 014	213.00	218.50		1.5	10	17	6	43		77.5
R ASY	213.00	218.50	6115 6116							

R SUM GRDR OCCURS THROUGHOUT DDH 43. SEVERAL DYKES WERE ALSO

R SUM PRESENT. FLPP DYKES CONTAIN CP VEINS AND DISS. AND TR. OF

R SUM NATIVE CU (AT 27.2M). TRAC DYKE AND BASL DYKES ARE POST

R SUM MINERALIZATION. GRDR IS WEAKLY ALTERED EXCEPT FOR KF-

R SUM ENVELOPES AND TR. OF CL AFTER HB. GRDR FREQUENTLY SHOW A CHI

R SUM MARGIN NEAR DYKES. CP OCCURS AS VEINS, BROKEN STRINGERS AND

R SUM DISSEMINATIONS THROUGHOUT THE GRDR. TR OF MO IS ALSO PRESENT

R SUM MG-VEINS AND HE-X COMMONLY WITH CP-FP VEINS. GY-VEINS ARE

R SUM COMMON BELOW 150 M (SUB-PARALLEL, 40' TO 50'). SIGNIFICANT

R SUM FAULTS OCCUR AT 73.8 TO 75M; 111M; 139.5 TO 140M; & 144.2 TO

R SUM 144.5M.

APPENDIX B

DRILL CORE ASSAY SHEETS

FOR Cu, Mo

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Creek
DATE: July 20/81
File No. 1-468

SAMPLE No.	Mo %	Cu %				Metres
5021	.008	.169			DDH 26	21
22	.004	.172				
23	.004	.249				
24	.025	.210				30
25	.008	.160				
26	.018	.144				
27	.014	.440				
28	.004	.226				
29	.014	.359				
30	.009	.261				
31	.010	.370				
32	.015	.120				
33	.009	.363				
34	.016	.342				60
35	.019	.269				
36	.006	.194				
37	.009	.250				
38	.012	.216				
39	.013	.159				
40	.016	.239				
41	.007	.265				
5042	.018	.210				

MINE-EN Laboratories Ltd.

CERTIFIED BY: [signature]

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980 5814 OR (604) 988-4524

Certificate of Assay

Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Ck.
DATE: July 23/81.
File No. 1-499

SAMPLE No.	Mo %	Cu %		Metres	
5043	.007	.194		DDH#26-84-87	
44	.006	.279		87-90	
45	.009	.128		90-93	
46	.008	.109		93-96	
47	.027	.582		96-99	
48	.015	.300		99-102	
49	.006	.398		102-105	
50	.008	.280		105-108	
51	.010	.256		108-111	
52	.006	.624		111-114	
53	.015	.419		114-117	
54	.005	.248		117-120	
55	.005	.303		120-123	
56	.017	.262		123-126	
57	.012	.360		126-129	
58	.010	.278		129-132	
59	.007	.342		132-135	
60	.015	.229		135-138	
61	.008	.158		138-141	
62	.003	.257		141-144	
63	.002	.256		144-147	
64	.016	.476		147-150	
65	.015	.282		150-153	
66	.012	.167		153-156	
67	.022	.279		156-159	
68	.027	.189		159-162	
69	.023	.218		162-165	
70	.025	.212		165-168	
71	.025	.247		168-171	
5072	.022	.268		DDH#26-171-174	

MINE-EN Laboratories Ltd.

CERTIFIED BY: ....

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Ck.
DATE: July 23/81.
File No. 1-499

SAMPLE No.	Mo %	Cu %		Metres	
5073	.010	.252		DDH#26-174-177	
74	.005	.189		177-180	
75	.030	.263		180-183	
76	.026	.332		183-186	
77	.014	.213		186-189	
78	.016	.190		189-192	
79	.015	.123		192-195	
80	.012	.170		195-198	
81	.011	.142		DDH#26-198-200.25	
82	.001	.032		DDH#27-6.4-9	
83	.001	.018		12-15	
84	.002	.018		9-12	
85	.043	.030		15-18	
86	.030	.007		18-21	
87	.002	.013		21-24	
88	.033	.032		24-27	
89	.009	.079		27-30	
90	.004	.100		33-36	
91	.003	.059		30-33	
92	.007	.062		36-39	
93	.004	.108		39-42	
94	.008	.049		42-45	
95	.002	.043		45-48	
96	.001	.030		48-51	
97	.001	.038		51-54	
98	.002	.027		54-57	
99	.008	.263		57-60	
5100	.003	.118		60-63	
01	no sample				
5102	.002	.073		DDH#27-63-66	

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MIN-EN LABORATORIES LTD.
70_ WEST 15TH STREET, NORTH VANCOUVER, B.C. _7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Ck
DATE: July 23/81.
File No. 1-499

SAMPLE No.	Mo %	Cu %		Metres	
5103	.002	.077		DDH#27-66-69	
04	.004	.068		69-72	
05	.172	.193		72-75	
06	.013	.152		75-78	
07	.008	.080		78-81	
08	.008	.103		81-84	
09	.010	.157		84-87	
10	.031	.219		87-90	
11	.010	.158		90-93	
12	.015	.113		93-96	
13	.009	.059		96-99	
14	.009	.061		99-102	
15	.003	.167		102-105	
16	.003	.073		105-108	
17	.003	.042		108-111	
18	.003	.109		111-114	
19	.006	.073		114-117	
20	.025	.090		117-120	
21	.004	.047		120-123	
22	.004	.051		123-126	
23	.003	.048		126-129	
24	.012	.050		129-132	
25	.007	.041		132-135	
26	.004	.040		135-138	
27	.004	.038		138-141	
28	.037	.069		141-144	
29	.023	.087		144-147	
30	.024	.073		147-150	
31	.017	.040		150-153	
5132	.005	.061		DDH#27-153-156	

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705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Ck

DATE: July 23/81.

File No. 1-499

SAMPLE No.	Mo %	Cu %		Metres	
5133	.004	.049		DDH#27-156-159	
34	.052	.063		159-162	
35	.006	.040		162-165	
36	.004	.028		165-168	
37	.005	.038		168-171	
5138	.002	.023		DDH#27-171-173	

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Certificate of Assay

TO: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Aug.20/81.
File No. 1-677

SAMPLE No.	Metres		Mo %	Cu %		
WCID-5139-DDH-28	7.5-9		.004	.002		
40	9-12		.005	.002		
41	12-15		.006	.002		
42	15-18		.019	.002		
43	18-21		.018	.003		
44	21-24		.017	.002		
45	24-27		.009	.003		
46	27-30		.007	.002		
47	30-33		.050	.002		
48	33-36		.018	.001		
49	36-39		.013	.001		
50	39-42		.012	.002		
51	42-45		.017	.001		
52	45-48		.009	.003		
53	48-51		.009	.003		
54	51-54		.003	.001		
55	54-57		.004	.001		
56	57-60		.006	.002		
57	60-63		.006	.002		
58	63-66		.009	.003		
WCID-5159-DDH-28	66-69		.011	.004		

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

To: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

Whiting Ck.
PROJECT No. 4942
DATE: Aug.6/81.
File No. 1-601

SAMPLE No.	Mo %	Cu %			Metres	
WC1D-5160	.008	.004		DDH 28	72	
61	.010	.007		"		
62	.006	.007		"		
63	.006	.003		"		
64	.005	.011		"		
65	.001	.090		"		
66	.001	.083		"	90	
67	.001	.148		"		
68	.001	.076		"		
69	.001	.029		"		
70	.003	.042		"		
71	.009	.008		"		
72	.032	.011		"		
73	.016	.011		"		
74	.007	.026		"		
75	.072	.008		"		
76	.014	.016		"	120	
77	.003	.007		"		
78	.005	.021		"		
79	.002	.014		"		
80	.010	.015		"		
81	.003	.008		"		
82	.004	.007		"		
83	.013	.007		"		
84	.008	.029		"		
85	.003	.022		"		
86	.003	.012		"	150	
87	.015	.019		"		
88	.006	.011		"		
5189	.011	.016		"		

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Certificate of Assay

Whiting Ck.

To: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. 4942
DATE: Aug. 6/81.
File No. 1-601

SAMPLE No.	Mo %	Cu %			Metres	
WC1D-5190	.012	.019		DDH 28	162	
91	.012	.029		"		
92	.004	.023		"		
93	.050	.023		"		
94	.001	.012	End of DDH 28		171-171.91	
95	.032	.003		DDH 29	3.05-6.00	
96	.013	.001		"		
97	.009	.001		"		
98	.017	.002		"		
99	.010	.002		"		
5200	.008	.002		"		
01	.007	.005		"		
02	.006	.004		"		
03	.009	.002		"		
04	.010	.002		"		
05	.012	.003		"		
06	.015	.002		"		
07	.016	.004		"		
08	.025	.002		"		
09	.026	.001		"		
10	.012	.004		"		
5211	.012	.023		"		

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

: Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting CK. 4942
DATE: Aug.7/81.
File No. 1-614

SAMPLE No.	DDH 29	Mo %	Cu %			
WCID-5212-54-57-Metres		.016	.016			
13 57-60		.042	.012			
14 60-63		.051	.015			
15 63-66		.018	.013			
16 66-69		.004	.018			
17 69-72		.006	.022			
18 72-75		.008	.018			
19 75-78		.011	.019			
20 78-81		.008	.024			
21 81-84		.016	.037			
22 84-87		.023	.009			
23 87-90		.016	.013			
24 90-93		.022	.012			
25 93-96		.012	.011			
26 96-99		.019	.055			
27 99-102		.016	.019			
28 102-105		.019	.013			
29 105-108		.008	.016			
30 108-111		.010	.015			
31 111-114		.014	.016			
32 114-117		.011	.013			
33 117-120		.010	.012			
34 120-123		.014	.009			
35 123-126		.016	.012			
36 126-129		.019	.014			
37 129-132		.013	.010			
38 132-135		.006	.015			
39 135-138		.007	.023			
40 138-141		.010	.033			
WCID-5241-141-144		.012	.019			

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Certificate of Assay

TO: Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Aug.7/81.
File No. 1-614

SAMPLE No.	DDH 29	Mo %	Cu %			
WCID-5242-144-147-Metres		.008	.017			
43 147-150		.010	.011			
44 150-153		.009	.020			
45 153-156		.009	.022			
46 156-159		.013	.015			
47 159-162		.038	.022			
48 162-165		.017	.013			
49 165-168		.024	.016			
50 168-171		.019	.030			
51 171-174		.030	.014			
52 174-177		.010	.012			
53 177-180		.054	.006			
54 180-183		.020	.019			
55 183-186		.060	.028			
56 186-189		.037	.017			
57 189-192		.020	.017			
58 192-195		.010	.051			
59 195-198		.007	.031			
60 198-201		.008	.049			
61 201-204		.016	.016			
62 204-207		.018	.020			
63 207-210		.018	.052			
64 210-213		.015	.072			
65 213=216		.001	.069			
66 216-219		.001	.031			
67 219-222		.001	.028			
68 222-225		.001	.023			
69 225-228		.005	.048			
70 228-231		.021	.031			
WCID-5271-231-234		.030	.019			

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PROJECT No. Whiting Ck. 4942
DATE: Aug. 7/81
File No. 1-614

SAMPLE No.	DDH 29	Mo %	Cu %			
WCID-5272-234-	237-Metres	.062	.022			
73 237-	240	.051	.019			
74 240-	243	.022	.068			
75 243-	246	.014	.024			
76 246-	249	.016	.018			
77 249-	252	.007	.026			
78 252-	255	.007	.011			
79 255-	258	.015	.024			
80 258-	261	.021	.014			
81 261-	264	.022	.043			
82 264-	267	.025	.034			
83 267-	270	.022	.016			
84 270-	273	.028	.018			
85 273-	276	.007	.019			
86 276-	279	.013	.010			
87 279-	282	.008	.007			
88 282-	285	.066	.031			
89 285-	288	.013	.013			
90 288-	291	.007	.010			
91 291-	294	.208	.013			
92 294-	297	.019	.010			
93 297-	300	.006	.014			
94 300-	303	.091	.020			
95 303-	306	.010	.020			
96 306-	309	.008	.024			
97 309-	312	.006	.021			
98 312-	315	.026	.036			
99 315-	318	.017	.023			
300 318-	321	.039	.016			
WCID-5301-321-	324	.002	.012			

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Certificate of Assay

TO Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Aug. 7/81
File No. 1-614

SAMPLE No.		Mo %	Cu %			
	DDH 29					
WCID-5302-324-	327-Metres	.008	.011			
03 327-	330	.018	.008			
04 330-	333	.003	.019			
05 333-	336	.001	.013			
06 336-	339	.006	.019			
WCID-5307-339-	339.55	.016	.017			

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TO: Sask. Mining Dev.,
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PROJECT No. Whiting Ck. 4942
DATE: Aug. 12/81.
File No. 1-623

SAMPLE No.			Mo %	Cu %		
WCID-5308-DDH-30-3.5-6Metres			.022	.011		
09	6-9		.026	.009		
10	9-12		.030	.009		
11	12-15		.017	.011		
12	15-18		.040	.005		
13	18-21		.038	.002		
14	21-24		.030	.006		
15	24-27		.036	.014		
16	27-30		.184	.011		
17	30-33		.054	.028		
18	33-36		.070	.020		
19	36-39		.092	.009		
20	39-42		.056	.005		
21	42-45		.116	.027		
22	45-48		.062	.017		
23	48-51		.118	.032		
24	51-54		.060	.015		
25	54-57		.080	.027		
26	57-60		.023	.033		
27	60-63		.003	.021		
WCID-5328-DDH-30-63-66			.001	.019		

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Certificate of Assay

Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Aug.20/81.
File No. 1-677

SAMPLE No.			Mo %	Cu %		
WCID-5329-DDH-30-66-69Metres			.056	.038		
30	69-72		.024	.025		
31	72-75		.038	.026		
32	75-78		.001	.024		
33	78-81		.047	.015		
34	81-84		.033	.054		
35	84-87		.020	.017		
36	87-90		.013	.047		
37	90-93		.001	.023		
38	93-96		.001	.030		
39	96-99		.001	.020		
40	99-102		.002	.033		
41	102-105		.001	.037		
42	105-108		.001	.047		
43	108-111		.001	.041		
44	111-114		.008	.065		
45	114-117		.014	.095		
46	117-120		.002	.052		
47	120-123		.003	.047		
48	123-126		.003	.054		
49	126-129		.001	.042		
50	129-132		.001	.039		
51	132-135		.038	.045		
52	135-138		.134	.018		
53	138-141		.059	.008		
54	141-144		.073	.012		
55	144-147		.109	.035		
56	147-150		.090	.040		
57	150-153		.017	.151		
WCID-5358-DDH-30-153-156			.044	.032		

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PROJECT No. Whiting Ck. 4942
DATE: Aug. 20/81
File No. 1-677

SAMPLE No.			Mo %	Cu %		
WCID-5359-DDH-	30-156-159	Metres	.029	.021		
60	159-162		.035	.018		
61	162-165		.020	.029		
62	165-168		.048	.024		
63	168-171		.067	.023		
64	171-174		.091	.033		
65	174-177		.047	.023		
66	177-180		.009	.007		
67	180-183		.036	.018		
68	183-186		.036	.054		
69	186-189		.016	.060		
70	189-192		.168	.061		
71	192-195		.061	.097		
72	195-198		.027	.056		
73	198-201		.036	.037		
74	201-204		.051	.034		
75	204-207		.097	.043		
76	207-210		.070	.035		
77	210-213		.049	.038		
78	213-216		.062	.029		
79	216-219		.036	.044		
80	219-222		.020	.053		
81	222-225		.031	.056		
82	225-228		.021	.070		
83	228-231		.051	.065		
84	231-234		.080	.063		
85	234-237		.039	.124		
86	237-240		.054	.111		
87	240-243		.003	.115		
WCID-5388-DDH-	30-243-246		.006	.080		

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To: Sask. Mining Dev.,

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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942

DATE: Aug. 20/81.

File No. 1-677

SAMPLE No.			Mo %	Cu %		
WCID-5389-DDH-	30-246-249	Metres	.009	.142		
90	249-252		.010	.112		
WCID-5391-DDH-	30-252-255		.003	.120		

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Certificate of Assay

To: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Crk. 4942
DATE: Aug. 24/81
File No. 1-697

SAMPLE No.		Cu %	Mo %		Metres	
WCID-5392		.054	.002	DDH 30		
93		.071	.008			
94		.064	.002			
95		.072	.004			
96		.092	.003		270	
97		.032	.003			
98		.018	.002			
99		.034	.004			
400		.031	.002			
01		.036	.004			
02		.018	.002			
03		.025	.002	End of DDH 30 288-291.08		
04		.008	.017	DDH 31	3.05-6.00	
05		.012	.018			
06		.005	.014			
07		.010	.010			
08		.020	.026			
09		.056	.009			
10		.011	.007			
11		.012	.008			
12		.019	.005		30	
13		.052	.007			
14		.029	.024			
15		.040	.002			
16		.056	.001			
17		.042	.001			
18		.026	.001			
19		.044	.001			
20		.061	.001			
WCID-5421		.025	.002			

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Certificate of Assay

TO: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. Whiting Crk. 4942
DATE: Aug./24/81
File No. 1-697

SAMPLE No.		Cu %	Mo %		Metres	
WCID-5422		.023	.001	DDH 31	60	
23		.033	.002			
24		.017	.001			
25		.026	.013			
26		.018	.014			
27		.023	.018			
28		.022	.012			
29		.015	.013			
30		.022	.005			
31		.053	.005			
32		.021	.105		90	
33		.037	.004			
34		.020	.019			
35		.048	.005			
36		.081	.004			
37		.045	.014			
38		.063	.024			
39		.102	.014			
40		.026	.013			
41		.027	.018			
42		.041	.002		120	
43		.033	.002			
44		.032	.004			
45		.024	.032			
46		.018	.016			
47		.020	.020			
48		.029	.005			
49		.052	.004			
50		.076	.007			
WCID-5451		.069	.036			

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PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

To: Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Crk. 4942
DATE: Aug. 24/81
File No. 1-697

SAMPLE No.			Cu %	Mo %		
WCID-5452 DDH 31	147-152	Metres	.033	.008		
53			.049	.004		
54			.030	.002		
55			.022	.001		
56			.035	.001		
57			.012	.001		
58			.015	.001		
59			.010	.001		
60			.017	.001		
61			.014	.001		
62			.014	.002		
63			.022	.002		
WCID-5464- DDH-31-183-186-Metres			.017	.001		
65	186-189		.016	.005		
66	189-192		.015	.001		
67	192-195		.012	.001		
68- DDH-31-195-197.2			.013	.002		
69- DDH-32-9.5-12			.005	.003		
70	12-15		.003	.008		
71	15-18		.004	.005		
72	18-21		.004	.007		
73	21-24		.005	.004		
74	24-27		.003	.004		
75	27-30		.004	.008		
76	30-33		.002	.010		
77	33-36		.005	.021		
78	33-39		.004	.047		
79	39-42		.024	.003		
80	42-45		.039	.001		
WCID-5481- DDH-32-45-48			.032	.004		

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Certificate of Assay

Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Crk. 4942
DATE: Aug. 24/81
File No. 1-697

SAMPLE No.			Cu %	Mo %		
WCID-5482-WCDH-32-48-51-Metres			.012	.004		
83	51-54		.008	.017		
84	54-57		.021	.009		
85	57-60		.025	.008		
WCID-5486-WCDH-32-60-63-			.034	.009		

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PROJECT No. Whiting Crk. 4942

DATE: Aug. 28/81.

File No. 1-715½

SAMPLE No.	Metres		Cu %	Mo %		
WCID-5487-DDH-32-63-66			.042	.012		
88	66-69		.022	.008		
89	69-72		.021	.021		
90	72-75		.049	.019		
91	75-78		.120	.005		
92	78-81		.132	.008		
93	81-84		.049	.006		
94	84-87		.045	.014		
WCID-5495-DDH-32-87-89.61			.056	.015		

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PROJECT No. Whiting Crk. 4942
DATE: Aug. 28/81.
File No. 1-762

SAMPLE No.	Metres		Cu %	Mo %		
WCID-5496-DDH-83-34.5-36			.072	.007		
97	36-39		.357	.011		
98	39-42		.227	.004		
99	42-45		.009	.001		
500	45-48		.071	.009		
01	48-51		.136	.010		
02	51-54		.170	.010		
03	54-57		.163	.022		
04	57-60		.112	.030		
05	60-63		.220	.010		
06	63-66		.159	.013		
07	66-69		.251	.018		
08	69-72		.233	.018		
09	72-75		.188	.012		
10	75-78		.150	.006		
11	78-81		.102	.008		
12	81-84		.198	.008		
13	84-87		.219	.012		
14	87-90		.122	.006		
15	90-93		.157	.008		
16	93-96		.141	.006		
17	96-99		.069	.002		
18	99-102		.101	.002		
WCID-5519-DDH-83-102-103.94			.264	.005		

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To: Sask. Mining Dev.,
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PROJECT No. 4942
DATE: Sept.21/81.
File No.

SAMPLE No.	Mo %	Cu %			Metres	
5520	.006	.018		DDH 34-	4.5-6	
21	.002	.023			6-9	
22	.004	.025			9-12	
23	.007	.035			12-15	
24	.005	.110			15-18	
25	.006	.142			18-21	
26	.006	.167			21-24	
27	.005	.212			24-27	
28	.006	.261			27-30	
29	.017	.252			30-33	
30	.012	.201			33-36	
31	.004	.238			36-39	
32	no sample					
33	.006	.299			39-42	
34	.003	.198			42-45	
35	.002	.233			45-48	
36	.002	.182			48-51	
37	.008	.204			51-54	
38	.003	.315			54-57	
39	.010	.130			57-60	
40	.005	.148			60-63	
41	.008	.162			63-66	
42	.004	.168			66-69	
43	.002	.103			69-72	
44	.002	.143			89-90	
45	.012	.141			75-78	
46	.004	.132			78-81	
47	.002	.152			81-84	
48	.003	.170			84-87	
5549	.004	.130		DDH 34-	90-93	

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To: Sask. Mining Dev.,
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PROJECT No. 4942
DATE: Sept. 21/81.
File No. 1-886

SAMPLE No.	Mo %	Cu %			Metres	
5550	.003	.087		DDH 34-	93-96	
51	.003	.164			96-99	
52	.026	.323			99-102	
53	.034	.289			102-105	
54	.042	.183			105-108	
55	.026	.050			108-111	
56	no sample					
57	.026	.098			114-117	
58	.024	.263			117-120	
59	.028	.248			120-123	
60	.042	.113			111-114	
61	.029	.240			123-126	
62	.024	.126			126-129	
63	.033	.091			129-132	
64	.027	.291			132-135	
65	.023	.060			135-138	
66	.020	.108			138-141	
67	.016	.127			141-144	
68	.024	.212			144-147	
69	.033	.130			147-150	
70	.025	.114			150-153	
71	.024	.090			153-156	
72	.012	.162			159-162	
73	no sample					
74	.012	.305			162-165	
75	.006	.302			165-168	
76	.010	.353			168-171	
77	.008	.230			171-172	
78	.024	.126			174-177	
5579	.013	.219		DDH 34-	177-180	

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Whiting Ck.
PROJECT No. 4942
DATE: Sept. 21/81.
File No. 1-886

SAMPLE No.	Mo %	Cu %			Metres	
5580	.014	.255		DDH 34-	180-183	
81	.010	.332			183-186	
82	.005	.120			186-189	
83	.003	.129			189-192	
84	.003	.142			192-195	
85	.002	.121			195-198	
86	.009	.180			198-201	
87	.006	.134			201-204	
88	.002	.125			204-207	
89	.002	.116			207-210	
90	.003	.101			210-213	
91	.002	.080			213-216	
92	.003	.088			216-219	
93	.002	.103			219-222	
94	.002	.122			222-225	
95	.002	.112			225-228	
96	.002	.111			228-231	
97	.003	.164			231-234	
98	.002	.142			234-237	
99	.001	.130			237-240	
5600	.002	.127			240-243	
01	.002	.107			243-246	
02	.001	.153			246-249	
5603	.002	.170			249-252	
No Tag	.005	.126		DDH 34-	72.5-75	

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To: Sask. Mining Dev.,
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Whiting Ck.
PROJECT No. 4942
DATE: Sept. 29/81.
File No. 1-929

SAMPLE No.	Metres	Mo %	Cu %
WC1D-5604-DDH-34-	252-255	.002	.167
05	255-258	.001	.142
06	258-261	.003	.277
07	261-264	.004	.278
08	264-267	.005	.277
09	267-270	.004	.169
10	270-273	.004	.122
11	273-276	.004	.127
12	276-279	.004	.176
13	279-282	.002	.176
14	282-285	.012	.264
15	285-288	.008	.208
16	288-291	.004	.135
17	291-294	.005	.146
18	294-297	.005	.113
19	297-300	.004	.120
20	300-303	.003	.091
21	303-306	.003	.071
22	306-309	.005	.086
23	309-312	.004	.095
24	312-315	.003	.179
25	315-318	.003	.096
26	318-321	.005	.111
27	321-324	.008	.106
WC1D-5628-DDH34-	324-325.22	.006	.084
WC1D-5629-DDH-35-	22-24	.026	.003
30	24-27	.013	.003
31	27-30	.007	.003
32	30-33	.002	.008
WC1D-5633-DDH-35-	33-36	.013	.006

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Whiting Ck.
PROJECT No. 4942
DATE: Sept. 29/81.
File No. 1-929

SAMPLE No.				Mo %	Cu %	
WC1D-5634-	DDH-35-3	6-39-Metres		.272	.001	
35	3	9-42		.418	.003	
36	4	2-45		.051	.024	
37	4	5-48		.091	.022	
38	4	8-51		.278	.002	
39	5	1-54		.364	.016	
40	5	4-57		.048	.030	
41	5	7-60		.002	.049	
42	6	0-63		.002	.066	
43	6	3-66		.003	.035	
44	6	6-69		.001	.029	
45	6	9-72		.001	.030	
46	7	2-75		.012	.061	
47	7	5-78		.032	.036	
48	7	8-81		.105	.014	
49	8	1-84		.039	.034	
50	8	4-87		.001	.031	
51	8	7-90		.002	.024	
52	9	0-93		.001	.015	
53	9	3-96		.013	.005	
54	9	6-99		.009	.003	
55	9	9-102		.009	.002	
56	1	02-105		.035	.002	
57	1	05-108		.041	.003	
58	1	08-111		.018	.004	
59	1	11-114		.039	.002	
60	1	14-117		.021	.002	
61	1	17-120		.011	.007	
62	1	20-123		.050	.001	
WC1D-5663-	DDH-35-1	23-126		.001	.022	

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Whiting Ck.
PROJECT No. 4942
DATE: Sept.29/81.
File No. 1-929

SAMPLE No.	Metres	Mo %	Cu %
WC1D-5664-DDH-35-126-129		.001	.022
65	129-132	.027	.003
66	132-135	.013	.003
67	135-138	.011	.013
68	138-141	.036	.024
69	141-144	.018	.016
70	144-147	.016	.032
71	147-150	.017	.013
72	150-153	.012	.051
73	153-156	.022	.031
74	156-159	.010	.038
75	159-162	.342	.080
76	162-165	.028	.013
77	165-168	.008	.044
78	168-171	.001	.059
79	171-174	.004	.059
80	174-177	.036	.023
81	177-180	.016	.021
82	180-183	.031	.009
WC1D-5683-DDH-35-183-185.02		.010	.004
WC1D-5684-DDH-36-9-12-M		.051	.001
85	12-15	.042	.001
86	15-18	.065	.001
87	18-21	.034	.012
88	21-24	.015	.065
89	24-27	.038	.030
90	27-30	.043	.040
91	30-33	.023	.040
92	33-36	.007	.052
WC1D-5693-DDH-36-36-39		.081	.054

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PROJECT No. 4942
DATE: Sept. 29/81.
File No. 1-929

SAMPLE No.		Metres		Mo %	Cu %	
WC1D-5694-DDH-36-39-42				.390	.032	
95		42-45		.008	.099	
96		45-48		.024	.027	
97		48-51		.004	.058	
98		51-54		.008	.070	
99		54-57		.006	.048	
5700		57-60		.018	.028	
01		60-63		.014	.026	
02		63-66		.027	.054	
03		66-69		.015	.051	
04		69-72		.005	.030	
05		72-75		.002	.041	
06		75-78		.002	.037	
07		78-81		.003	.033	
08		81-84		.002	.040	
09		84-87		.002	.025	
10		87-90		.002	.041	
11		90-93		.002	.024	
12		93-96		.004	.019	
WC1D-5713-DDH-36-96-99				.002	.014	

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To: Sask. Mining Dev.,
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Whiting Ck.
PROJECT No. 4942
DATE: Oct.6/81.
File No. 1-947

SAMPLE No.		Metres	Mo %	Cu %		
WC1D-5714-DDH-36-		99-102	.003	.035		
15		102-105	.002	.030		
16		105-108	.001	.050		
17		108-111	.001	.026		
18		111-114	.001	.064		
19		114-117	.001	.021		
20		117-120	.002	.017		
21		120-123	.001	.043		
22		123-126	.001	.060		
23		126-129	.001	.031		
24		129-132	.001	.025		
25		132-135	.001	.017		
26		135-138	.001	.017		
27		138-141	.001	.008		
28		141-144	.001	.009		
29		144-147	.001	.027		
30		147-150	.002	.020		
31		150-153	.001	.019		
32		153-158	.002	.059		
33		156-159	.001	.022		
34		159-162	.004	.037		
35		162-165	.001	.017		
36		165-168	.001	.018		
37		168-171	.001	.029		
38		171-174	.001	.027		
39		174-177	.001	.044		
40		177-180	.003	.134		
41		180-183	.002	.049		
42		183-186	.002	.189		
WC1D-5743-DDH-36-		186-189	.001	.143		

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Whiting Ck.
PROJECT No. 4942
DATE: Oct.6/81.
File No. 1-947

SAMPLE No.	Metres	Mo %	Cu %		
WC1D-5744-DDH-36-	189-192	.003	.112		
45	192-195	.001	.027		
46	195-198	.001	.055		
47	198-201	.001	.060		
48	201-204	.001	.069		
49	204-207	.001	.061		
50	207-210	.001	.005		
51	210-213	.002	.034		
52	213-216	.032	.020		
53	216-219	.027	.128		
54	219-222	.081	.028		
55	222-225	.012	.012		
56	225-228	.027	.029		
57	228-231	.014	.013		
58	231-234	.008	.033		
59	234-237	.019	.012		
60	237-240	.164	.012		
61	240-243	.008	.042		
62	243-246	.039	.015		
63	246-249	.008	.016		
64	249-252	.039	.026		
65	252-255	.100	.262		
66	255-258	.031	.105		
67	258-261	.012	.097		
68	261-264	.004	.155		
69	264-267	.011	.133		
70	267-270	.005	.054		
WC1D-5771-DDH-36-	270-271.28	.004	.063		
WC1D-5772-DDH-37-	3.66-6	.004	.099		
WC1D-5773-DDH-37-	6-9	.005	.478		

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PROJECT No. 4942
DATE: Oct.6/81.
File No. 1-947

SAMPLE No.	Metres		Mo %	Cu %		
WC1D-5774-DDH-37-	9-	12	.006	.202		
75	12	-15	.006	.197		
76	15	-18	.012	.403		
77	18	-21	.016	.388		
78	21	-24	.026	.442		
79	24	-27	.029	.193		
80	27	-30	.016	.142		
81	30	-33	.020	.075		
82	33	-36	.011	.046		
83	36	-39	.013	.123		
84	39	-42	.010	.174		
85	42	-45	.010	.257		
86	45	-48	.021	.498		
87	48	-51	.026	.620		
88	51	-54	.001	.143		
89	54	-57	.003	.191		
90	57	-60	.007	.206		
91	60	-63	.007	.202		
92	63	-66	.003	.180		
93	66	-69	.003	.196		
94	69	-72	.001	.027		
95	72	-75	.005	.132		
96	75	-78	.007	.218		
97	78	-81	.005	.149		
98	81	-84	.008	.170		
99	84	-87	.011	.173		
5800	87	-90	.012	.209		
01	90	-93	.019	.164		
02	93	-96	.014	.155		
WC1D-5803-DDH-37-	96	-99	.023	.190		

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To: Sask. Mining Dev.,
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Whiting Ck.
PROJECT No. 4942
DATE: Oct. 6/81.
File No. 1-947

SAMPLE No.	Metres	Mo %	Cu %		
WC1D-5804-DDH-37-	99-102	.017	.154		
05	102-105	.016	.151		
06	105-108	.008	.149		
07	108-111	.006	.145		
WC1D-5808-DDH-37-	111-111.86	.013	.157		
WC1D-5809-DDH-38-	9.5-12	.019	.003		
10	12-15	.025	.003		
11	15-18	.028	.003		
12	18-21	.044	.002		
13	21-24	.013	.001		
14	24-27	.204	.003		
15	27-30	.213	.004		
16	30-33	.174	.003		
17	33-36	.082	.002		
18	36-39	.112	.002		
19	39-42	.041	.001		
20	42-45	.100	.002		
21	45-48	.038	.002		
22	48-51	.030	.001		
23	51-54	.027	.001		
24	54-57	.075	.002		
25	57-60	.076	.002		
26	60-63	.068	.006		
27	63-66	.088	.004		
28	66-69	.089	.002		
29	69-72	.075	.003		
WC1D-5830-DDH-38-	72-75	.063	.002		

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Certificate of Assay

Sask. Mining Dev.,
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PROJECT No. Whiting Ck. 4942
DATE: Oct. 9/81
File No. 1-959

SAMPLE No.	Metres			Mo %	Cu %	
WCID-5831-DDH-38	75	-78		.047	.001	
32	78	-81		.028	.003	
33	81	-84		.007	.007	
34	84	-87		.032	.006	
35	87	-90		.012	.003	
36	90	-93		.020	.002	
37	93	-96		.084	.001	
38	96	-99		.026	.002	
39	99	-102		.008	.002	
40	102	-105		.012	.036	
41	105	-108		.019	.028	
42	108	-111		.011	.008	
43	111	-114		.035	.006	
44	114	-117		.022	.009	
45	117	-120		.024	.010	
46	120	-123		.062	.009	
47	123	-126		.044	.019	
48	126	-129		.041	.012	
49	129	-132		.002	.042	
50	132	-135		.032	.015	
51	135	-138		.016	.012	
52	138	-141		.008	.017	
53	141	-144		.019	.034	
54	144	-147		.020	.764	
55	147	-150		.009	.023	
56	150	-153		.004	.114	
57	153	-156		.001	.228	
58	156	-159		.001	.246	
59	159	-162		.001	.183	
WCID-5860-DDH-38	162	-165		.001	.048	

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Certificate of Assay

To Sask. Mining Dev.,
330-1130 W. Pender,
Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Oct. 9/81
File No. 1-959

SAMPLE No.	Metres			Mo %	Cu %	
WCID-5861-DD	H-38-165	-168		.001	.062	
62	168	-171		.001	.148	
63	171	-174		.001	.092	
64	174	-177		.002	.049	
65	177	-180		.035	.018	
66	180	-183		.074	.025	
67	183	-186		.021	.024	
68	186	-189		.010	.008	
WCID-5869-DD	H-38-189	-192		.017	.009	

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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Oct. 9/81
File No. 1-968

SAMPLE No.	Metres			Mo %	Cu %	
WCID-5870-DDH-38	192	-195		.093	.018	
71	195	-198		.010	.053	
72	198	-201		.012	.072	
73	201	-204		.009	.062	
74	204	-207		.025	.051	
75	207	-210		.006	.050	
76	210	-213		.004	.041	
77	213	-216		.058	.165	
78	216	-219		.001	.434	
79	219	-222		.001	.070	
80	222	-225		.001	.150	
81	225	-228		.002	.102	
82	228	-231		.001	.140	
83	231	-234		.001	.122	
84	234	-237		.001	.064	
85	237	-240		.001	.097	
86	240	-243		.001	.055	
87	243	-246		.001	.114	
88	246	-249		.001	.103	
89-DDH-38	249	-251.16		.001	.072	
90-DDH-39	9.75	-12		.001	.043	
91	12	-15		.001	.060	
92	15	-18		.001	.043	
93	18	-21		.002	.041	
94	21	-24		.001	.052	
95	24	-27		.001	.013	
96	27	-30		.008	.015	
97	30	-33		.036	.012	
WCID-5898-DDH-39	33	-36		.025	.006	

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330-1130 W. Pender,
Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Oct. 9/81
File No. 1-968

SAMPLE No.	Metres			Mo %	Cu %	
WCID-5899-DDH-39-36-		39		.036	.010	
5900	39-	42		.028	.015	
08	42-	45		.029	.013	
09	45-	48		.068	.012	
10	48-	51		.050	.010	
11	51-	54		.036	.007	
12	54-	57		.059	.013	
13	57-	60		.035	.007	
14	60-	63		.030	.014	
15	63-	66		.134	.014	
16	66-	69		.020	.009	
17	69-	72		.018	.026	
18	72-	75		.030	.023	
19	75-	78		.006	.015	
20	78-	81		.010	.010	
21	81-	84		.024	.002	
22	84-	87		.030	.002	
23	87-	90		.072	.005	
24	90-	93		.046	.016	
25	93-	96		.069	.017	
26	96-	99		.142	.018	
WCID-5927-DDH-39-99-		102		.095	.030	

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MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET, NORTH VANCOUVER, B.C. V 1T2
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Certificate of Assay

Whiting Ck.

TO: Sask. Mining Dev., PROJECT No. 4942

330-1130 W. Pender St., DATE: Oct.13/81.

Vancouver, B.C. File No. 1-989

SAMPLE No.		Metres		Mo %	Cu %	
WC1D-5928-	DDH-39-	102-105		.037	.044	
29		105-108		.046	.063	
30		108-111		.023	.087	
31		111-114		.011	.074	
32		114-117		.022	.039	
33		117-120		.010	.037	
34		120-123		.031	.016	
35		123-126		.015	.027	
36		126-129		.006	.115	
37		129-132		.013	.072	
38		132-135		.011	.068	
39		135-138		.009	.043	
40		138-141		.033	.053	
41		141-144		.029	.064	
WC1D-5942-	DDH-39-	144-147		.011	.078	
WC1D-5944-	DDH-40-	25.3-27		.001	.085	
WC1D-5943-	DDH-39-	147-149.81		.009	.057	
WC1D-5945-	DDH-40-	27-30		.001	.076	
46		30-33		.001	.047	
47		33-36		.001	.060	
48		36-39		.002	.051	
49		39-41		.002	.081	
50		42-45		.002	.036	
51				no sample		
52				no sample		
53				no sample		
54				no sample		
55				no sample		
56		45-47		.018	.051	
WC1D-5957-	DDH-40-	47-51		.018	.061	

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Certificate of Assay

TO: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

Whiting Ck.
PROJECT No. 4942
DATE: Oct.13/81.
File No. 1-989

SAMPLE No.		Metres		Mo %	Cu %	
WC1D-5958-DDH-40-51-54				.033	.045	
59		54-57		.009	.050	
60		57-60		.012	.054	
61		60-63		.021	.072	
62		63-66		.029	.085	
63		66-69		.011	.074	
64		69-72		.016	.130	
65		72-75		.028	.121	
66		75-78		.019	.059	
67		78-81		.055	.104	
68		81-84		.063	.081	
69		84-87		.015	.111	
70		87-90		.035	.053	
71		90-93		.025	.064	
72		93-96		.046	.052	
73		96-99		.087	.025	
74		99-102		.058	.018	
75		102-105		.179	.010	
76		105-108		.063	.015	
77		108-111		.036	.012	
78		111-114		.071	.010	
79		114-117		.193	.010	
80		117-120		.068	.020	
81		120-123		.038	.024	
82		123-126		.092	.024	
83		126-129		.191	.011	
84		129-132		.076	.007	
85		132-135		.021	.007	
86		135-138		.038	.007	
WC1D-5987-DDH-40-138-141				.027	.027	

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Vancouver, B.C.

Whiting Ck.
PROJECT No. 4942
DATE: Oct.13/81.
File No. 1-989

SAMPLE No.		Metres		Mo %	Cu %	
WC1D-5988-DDH-40-141-144				.022	.022	
89		144-147		.032	.032	
90		147-150		.044	.026	
91		150-153		.018	.067	
92		153-156		.167	.125	
93		156-159		.031	.041	
94		159-162		.052	.011	
95		162-165		.020	.029	
96		165-168		.009	.051	
WC1D-5997-DDH-40-168-171				.017	.029	

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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Oct. 23/81.
File No. 1-1027

SAMPLE No.	Metres		Mo %	Cu %		
5998-DDH-40	-171-174		.006	.055		
99	174-177		.003	.171		
6000	177-180		.003	.118		
01	180-183		.002	.137		
02	183-186		.002	.107		
03	186-189		.002	.078		
04	189-192		.002	.070		
05	192-195		.013	.011		
06	195-198		.015	.005		
07	198-201		.016	.006		
08	201-204		.017	.005		
09	204-207		.046	.006		
10	207-210		.064	.011		
11	210-213		.019	.008		
12	213-216		.015	.006		
13	216-219		.010	.022		
14	219-222		.036	.016		
15	222-225		.009	.009		
16	225-228		.016	.007		
17	228-231		.019	.033		
18	231-234		.045	.015		
19	234-237		.162	.019		
20	237-240		.019	.025		
21	240-243		.021	.016		
22	243-246		.028	.018		
23	246-249		.026	.013		
24	249-252		.028	.017		
25	252-255		.039	.010		
26	255-258		.060	.035		
6027-DDH-40	-258-261		.068	.005		

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Certificate of Assay

TO: Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Oct.23/81.
File No. 1-1027

SAMPLE No.	Metres		Mo %	Cu %		
6028-DDH-40	-261-264		.449	.004		
29	264-267		.025	.010		
30	267-270		.020	.016		
31	270-273		.054	.016		
32	273-276		.033	.012		
33	276-279		.041	.078		
34	279-282		.005	.022		
35	282-285		.008	.010		
36	285-288		.041	.007		
37	288-291		.008	.003		
38	291-294		.023	.013		
39	294-297		.015	.024		
40	297-300		.083	.038		
41	300-303		.050	.006		
42	303-306		.028	.010		
43	306-309		.021	.015		
44	309-312		.027	.014		
45	312-315		.026	.020		
46	315-318		.003	.053		
47	318-321		.001	.033		
48	321-324		.003	.022		
6049-DDH-40	-324-325	.53	.002	.025		

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TO: Sask. Mining Dev.,
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Vancouver, B.C.

PROJECT No. Whiting Ck. 4942
DATE: Oct.26/81.
File No. 1-1032

SAMPLE No.	Metres		Mo %	Cu %	
WC1D-6050-DDH-43-22.4-24			.008	.196	
51	24-27		.011	.387	
52	27-30		.007	.495	
53	30-33		.013	.305	
54	33-36		.013	.260	
55	36-39		.026	.221	
56	39-42		.019	.178	
57	42-45		.038	.248	
58	45-48		.020	.269	
59	48-51		.014	.338	
60	51-54		.009	.398	
61	54-57		.010	.320	
62	57-60		.002	.048	
63	60-63		.001	.003	
64	63-66		.001	.007	
65	66-69		.001	.003	
66	69-72		.009	.239	
67	72-75		.018	.363	
68	75-78		.017	.236	
69	78-81		.024	.545	
70	81-84		.013	.228	
71	84-87		.016	.306	
72	87-90		.012	.159	
73	90-93		.029	.194	
74	93-96		.010	.169	
75	96-99		.022	.192	
76	99-102		.010	.129	
77	102-105		.041	.182	
WC1D-6078-DDH-43-105-108			.013	.185	
WC1D-6079-	no sample				

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Whiting Ck.

To: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

PROJECT No. 4942
DATE: Oct.26/81.
File No. 1-1032

SAMPLE No.	Metres		Mo %	Cu %	
WC1D-6080-DDH-43-	108-111		.022	.101	
81	111-114		.019	.283	
82	114-117		.011	.236	
83	117-120		.010	.259	
84	120-123		.009	.222	
85	123-126		.016	.251	
86	126-129		.004	.171	
87	129-132		.008	.364	
88	132-135		.059	.350	
89	135-138		.022	.302	
90	138-141		.007	.184	
91	141-144		.006	.086	
92	144-147		.044	.219	
93	147-150		.027	.271	
94	150-153		no sample		
95	153-156		.019	.340	
96	156-159		.005	.642	
97	159-162		.012	.238	
98	162-165		no sample		
99	165-168		.015	.296	
6100	168-171		.017	.522	
01	171-174		.012	.273	
02	174-177		.013	.395	
03	177-180		.009	.237	
04	180-183		.012	.248	
05	183-186		.013	.290	
06	186-189		.020	.528	
07	189-192		.011	.398	
08	192-195		.008	.563	
WC1D-6109-DDH-43-	195-198		.026	.510	

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PHONE: (604) 980-5814 OR (604) 988-4524

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TO: Sask. Mining Dev.,
330-1130 W. Pender St.,
Vancouver, B.C.

Whiting Ck.
PROJECT No. 4942
DATE: Oct. 26/81.
File No. 1-1032

SAMPLE No.		Metres		Mo %	Cu %	
WC1D-6110-DDH-43-198-201				.004	.184	
11		201-204		.019	.212	
12		204-207		.016	.185	
13		207-210		.009	.152	
14		210-213		.009	.282	
15		213-216		.009	.352	
WC1D-6116-DDH-43-216-218.54				.009	.297	

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APPENDIX C

DRILL CORE GEOCHEMISTRY RESULTS

FOR Ag, Au, W, Pb, Zn

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck.

ATTENTION: R. Cann

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-468

DATE: July 25 1981.

Composites

Sample Number					Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm	Pb ppm	Zn ppm
5021,	5022,	5023,	5024,	5025			1.0					5	8	16	38
5026,	5027,	5028,	5029,	5030			1.6					10	3	13	34
5031,	5032,	5033,	5034,	5035			1.9					5	16	20	46
5036,	5037,	5038,	5039,	5040			1.2					10	12	12	34
5041,	5042						1.0					5	10	10	28

CERTIFIED BY

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck.

ATTENTION: R. Cann

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-499

DATE: July 2 1981.

Composites

Sample Number					Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm	Pb ppm	Zn ppm
5043,	5044,	5045,	5046,	5047			1.2					5	6	8	40
5048,	5049,	5050,	5051,	5052			1.6					5	8	9	35
5053,	5054,	5055,	5056,	5057			1.6					5	15	8	37
5058,	5059,	5060,	5061,	5062			1.2					10	5	8	38
5063,	5064,	5064,	5066,	5067			1.7					10	4	8	42
5068,	5069,	5070,	5071,	5072			1.3					5	12	7	[illegible]
5073,	5074,	5075,	5076,	5077			1.2					10	9	14	44
5078,	5079,	5080,	5081,	5082			1.0					5	4	52	104
5083,	5084,	5085,	5086,	5087			0.5					5	8	10	25
5088,	5089,	5090,	5091,	5092			0.6					10	10	5	19
5093,	5094,	5095,	5096,	5097			0.7					10	13	5	20
5098,	5099,	5100,	5102,	5103			1.3					5	10	29	36
5104,	5105,	5106,	5107,	5108			0.9					15	14	11	33
5109,	5110,	5111,	5112,	5113			1.2					5	10	8	28
5114,	5115,	5116,	5117,	5118			0.8					10	21	4	29
5119,	5120,	5121,	5122,	5123			0.6					5	30	7	24
5124,	5125,	5126,	5127,	5128			1.3					10	42	15	41
5129,	5130,	5131,	5132,	5133			1.2					5	6	17	38
5134,	5135,	5136,	5137,	5138			1.0					10	10	12	[illegible]

CERTIFIED BY [signature]

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-601

DATE: Aug. 6, 1981.

Composites

Sample. Number					Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm	Pb ppm	Zn ppm
5160,	5161,	5162,	5163,	5164			0.3					10	11	12	16
5165,	5166,	5167,	5168,	5169			1.1					5	10	15	31
5170,	5171,	5172,	5173,	5174			0.3					5	8	9	34
5175,	5176,	5177,	5178,	5179			0.6					5	8	9	32
5180,	5181,	5182,	5183,	5184			0.2					10	7	7	20
5185,	5186,	5187,	5188,	5189			0.5					5	11	10	[illegible]
5190,	5191,	5192,	5193,	5194			0.9					10	10	12	39
5195,	5196,	5197,	5198,	5199			0.2					5	4	14	11
5200,	5201,	5202,	5203,	5204			0.5					5	4	13	10
5205,	5206,	5207,	5208,	5209			0.7					10	3	17	11
5210,	5211						0.2					10	3	9	10

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PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No 1-614

DATE: Aug. 12 1981.

Composite

Sample Number	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm	Pb ppm	
5212,13,14,15,16	12			.8					5	15	6	
17,18,19,20,21	12			.7					5	7	6	
22,23,24,25,26	10			.6					5	4	4	
27,28,29,30,21	21			.8					5	3	9	
32,33,34,35,36	20			.5					5	2	8	
37,38,39,40,41	29			.5					5	4	8	
42,43,44,45,46	16			.6					5	2	6	
47,48,49,50,51	12			.7					5	3	8	
52,53,54,55,56	25			.8					10	2	9	
57,58,59,60,61	15			.6					5	3	9	
62,63,64,65,66	26			.6					10	4	8	
67,68,69,70,71	32			.7					5	3	11	
72,73,74,75,76	14			.6					5	2	10	
77,78,79,80,81	19			.7					5	2	8	
82,83,84,85,86	19			.6					5	3	9	
87,88,89,90,91	29			.8					10	8	9	
92,93,94,95,96	52			.7					10	6	10	
5297,98,99,5300,01	66			.8					5	5	43	
5302,03,04,05,06	41			.8					10	4	8	
5307	50			.7					5	3	4	

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 1-623

DATE: Aug. 12 1981.

Sample Number	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Zn ppm	Pb ppm	W ppm
5308, 5308, 5310, 5311, 5312			0.5					5	9	8	18
5313, 5314, 5315, 5316, 5317			0.5					10	6	6	22
5318, 5319, 5320, 5321, 5322			0.4					10	5	4	20
5323, 5324, 5325, 5326, 5327			7.3					5	32	36	25
5328			0.7					5	24	4	4

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 1-677

DATE: Aug.25 1981.

Composites

Sample Number	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Pb ppm	Zn ppm	W ppm
5139, 5140, 5141, 5142, 5143			0.5					10	18	33	6
5144, 5145, 5146, 5147, 5148			0.4					5	12	20	12
5149, 5150, 5151, 5152, 5153			0.3					5	10	18	7
5154, 5155, 5156, 5157, 5158			0.4					5	8	23	8
5159			0.1					5	7	18	6
5329, 5330, 5331, 5332, 5333			0.7					10	8	32	[illegible]
5334, 5335, 5336, 5337, 5338			0.6					5	7	34	[illegible]
5339, 5340, 5341, 5342, 5343			1.0					5	10	33	2
5344, 5345, 5346, 5347, 5348			1.0					10	12	34	2
5349, 5350, 5351, 5352, 5353			0.2					5	10	29	2
5354, 5355, 5356, 5357, 5358			0.4					15	12	32	2
5359, 5360, 5361, 5362, 5363			0.2					5	9	34	4
5364, 5365, 5366, 5367, 5368			1.5					5	33	36	3
5369, 5370, 5371, 5372, 5373			0.8					5	13	32	9
5374, 5375, 5376, 5377, 5378			0.7					10	9	29	3
5379, 5380, 5381, 5382, 5383			0.8					5	10	36	4
5384, 5385, 5386, 5387, 5388			1.2					35	11	42	2
5389, 5390, 5391			1.1					5	12	44	3

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COMPA Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

F No. 1-697

DATE: Aug. 26 1981.

Composites

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm
5392 to 5396	12	33			0.9					5	3
5397 to 5401	6	23			0.6					5	2
5402 to 5406	6	10			0.4					5	4
5407 to 5411	5	7			0.9					5	4
5412 to 5416	7	16			0.7					10	3
5417 to 5421	8	30			0.7					5	<2
5422 to 5426	46	81			0.7					5	4
5427 to 5431	10	21			1.0					5	6
5432 to 5436	18	32			1.4					10	7
5437 to 5441	14	14			1.0					5	7
5442 to 5446	20	19			0.6					<5	5
5447 to 5451	16	21			0.4					5	4
5452 to 5456	17	25			0.4					5	<2
5457 to 5461	9	36			0.3					5	<2
5462 to 5466	6	9			0.6					5	2
5467 to 5471	8	19			0.5					5	3
5472 to 5476	4	4			0.3					5	5
5477 to 5481	10	25			0.5					5	3
5482 to 5486	6	12			0.4					5	3

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 1-715

DATE: Aug. 28 1981.

Composites

Sample Number			Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Cu ppm	W ppm
5487 to 5491			10	56			0.8					<5	505	4
5492 to 5495			20	83			1.0					5	715	95

CERTIFIED BY

COMPAN[illegible]: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL [illegible]ALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FI[illegible] No. 1-762

DATE: Sept.2 1981.

Composites

Sample Number			Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Cu ppm	W ppm	
5496 to 5500			14	65			1.6					70	1270	2	
5501 to 5505			1100	188			4.8					30	1290	<2	
5506 to 5510			72	103			1.7					15	1650	<2	
5511 to 5515			20	46			0.9					5	1260	<2	
5516 to 5519			21	60			0.8					10	1210	2	

CERTIFIED BY [signature]

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 1-886

DATE: Sept. 24 1981.

Composites

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm	Cu ppm
5520 to 5524	19	63			1.3					5	2	410
5525 to 5529	11	31			1.2					25	<2	1850
5530 to 5534	10	27			1.2					10	<2	1950
5535 to 5539	14	34			1.3					5	<2	1950
5540 to 5544	14	49			1.2					5	<2	1200
5545 to 5549	14	48			1.3					15	<2	1400
5550 to 5554	10	27			1.2					5	3	1800
5555 to 5559	13	32			1.4					5	2	1500
5560 to 5564	10	12			1.3					10	4	1600
5565 to 5569	7	8			1.1					10	2	1100
5570 to 5574	12	23			1.3					20	3	1650
5575 to 5579	12	22			1.6					15	3	2400
5580 to 5584	10	20			1.3					10	2	1850
5585 to 5589	10	25			1.0					5	<2	1300
5590 to 5594	12	27			1.1					15	3	1000
5595 to 5599	11	26			1.4					5	4	1300
5600 to 5603+ No tag	12	29			1.2					5	6	1300

*These composites should have been requested for Cu assay.

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

FILE No. 1-929

DATE: Sept.30 1981.

Composites

Sample Number			Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Cu ppm	W ppm	
5604	to	5608	19	47			1.8					5	2450	<2	
5609	to	5613	16	32			1.3					5	1600	<2	
5614	to	5618	13	34			1.2					5	1700	2	
5619	to	5623	17	30			0.8					5	950	<2	
5624	to	5628	14	32			1.0					5	1200	<2	
5629	to	5633	13	6			0.8					5	41	<2	
5634	to	5638	11	5			0.6					5	89	3	
5639	to	5643	12	24			0.7					10	338	<2	
5644	to	5648	12	10			0.6					5	263	2	
5649	to	5653	13	29			0.7					5	193	<2	
5654	to	5658	10	8			0.6					10	25	<2	
5659	to	5663	13	35			0.7					5	50	<2	
5664	to	5668	13	56			0.8					5	113	<2	
5669	to	5673	28	60			0.7					5	210	2	
5674	to	5678	14	26			0.9					10	358	<2	
5679	to	5682	10	17			0.6					5	215	<2	
5684	to	5688	12	10			0.8					5	147	2	
5689	to	5693	14	24			1.2					5	380	<2	
5694	to	5698	14	32			0.9					10	590	2	
5699	to	5703	10	21			0.5					5	345	2	
5704	to	5708	16	44			0.8					10	329	<2	
5709	to	5713	18	57			1.0					5	214	<2	

*Some of these samples should have been requested for assay.

CERTIFIED BY

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 1-947

DATE: Oct. 6, 1981.

Composites

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm
5714 to 5718	14	40			1.2					5	3
5719 to 5723	10	27			0.9					10	2
5724 to 5728	16	53			1.0					5	2
5729 to 5733	12	40			1.0					5	2
5734 to 5738	12	39			0.7					5	<2
5739 to 5743	15	67			1.3					5	4
5744 to 5748	11	46			1.2					10	<2
5749 to 5753	10	46			0.9					5	3
5754 to 5758	9	12			1.0					5	2
5759 to 5763	11	18			1.0					10	3
5764 to 6758	17	24			1.2					5	5
5769 to 5771	10	40			1.2					10	7
5772 to 5776	18	58			4.1					5	3
5777 to 5781	13	156			2.7					10	2
5782 to 5786	17	82			2.5					5	3
5787 to 5791	19	136			2.2					15	<2
5792 to 5796	16	68			1.4					5	5
5797 to 5801	14	51			1.4					5	3
5802 to 5806	23	86			1.8					5	3
5807 to 5708	18	57			1.6					5	7
5809 to 5813	10	8			0.9					5	3
5814 to 5818	13	5			0.9					10	4
5819 to 5823	8	5			0.9					5	<2
5824 to 5828	15	6			1.1					5	9
5829 to 5830	15	6			1.4					5	14

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 1-959

DATE: Oct. 13 1981.

Composites

Sample Number		Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Cu ppm	W ppm
5831 to 5835		8	6			1.1					5	50	5
5836 to 5840		3	10			0.6					5	80	3
5841 to 5845		11	7			2.7					5	134	2
5846 to 5850		16	6			2.4					5	214	2
5851 to 5855		6	5			0.9					5	1690	3
5856 to 5860		12	25			0.9					5	1600	<2
5861 to 5865		6	39			0.7					5	840	2
5866 to 5869		3	6			0.3					5	178	7

*Some of these composites should have been requested for assay.

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980 5814

File No. 1-968

DATE: Oct.13 1981.

Composites

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Cu ppm	W ppm
5870 to 5873	11	35			0.8					5	570	19
5874 to 5878	14	71			1.0					5	1310	45
5879 to 5883	9	31			1.0					5	1120	8
5884 to 5888	7	19			0.8					5	815	5
5889	7	16			0.8					5	830	4
5890 to 5894	9	39			0.5					5	550	2
5895 to 5898	7	15			0.3					5	131	2
5899, 5900, 5808	9	20			0.4					5	146	3
5909 to 5913	5	4			0.4					5	104	2
5914 to 5918	11	19			0.9					5	191	13
5919 to 5923	5	4			0.3					5	72	2
5924 to 5927	7	21			0.7					5	202	4

*Some of these composites should have been requested for assay.

CERTIFIED BY

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. 1-989

DATE: Oct.16 1981.

Composites

Sample Number			Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm		
5928	to 5932		28	46			0.8					5	15		
5933	to 5937		21	23			1.0					20	17		
5938	to 5942		20	42			0.8					5	13		
5943			25	73			1.4					5	6		
5944	to 4948		20	30			0.9					5	10		
5949	to 5953		30	27			0.6					5	22		
5954	to 5958		28	63			1.3					5	24		
5959	to 5963		21	50			1.0					5	450		
5964	to 5968		13	43			0.8					5	12		
5969	to 5973		14	40			0.8					5	14		
5974	to 5978		4	8			0.2					5	5		
5979	to 5983		6	7			0.2					5	7		
5984	to 5988		4	8			0.2					5	23		
5989	to 5993		6	9			0.4					10	16		
5994	to 5997		26	36			0.6					5	8		

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. 1-102

DATE: Oct.27 1981.

Composites

Sample Number			Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm		
5998 to 6002			24	161			1.6					10	27		
6003 to 6007			8	16			0.7					5	16		
6008 to 6012			4	8			0.4					5	5		
6013 to 6017			9	12			0.7					15	22		
6018 to 6022			5	7			0.3					5	4		
6023 to 6027			8	13			0.4					10	7		
6028 to 6032			8	21			0.8					5	3		
6033 to 6037			7	17			0.5					5	4		
6038 to 6042			5	10			0.9					5	6		
6043 to 6047			11	31			1.1					5	12		
6048, 6049			12	32			1.0					5	9		

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 1-1032

DATE: Oct. 26, 1981.

Composites

Sample Number			Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	W ppm		
6050 to 6054			36	90			2.7					5	7		
6055 to 6059			55	152			1.5					5	4		
6060 to 6064			72	406			1.5					10	13		
6065 to 6069			80	268			1.7					5	9		
6070 to 6074			17	50			1.5					10	5		
6075 to 6078			9	32			1.0					5	4		
6080 to 6084			9	35			1.1					5	6		
6085 to 6089			10	38			1.5					10	6		
6090 to 6093			22	83			2.1					5	14		
6095, 96, 97, 99			17	76			1.6					5	35		
6100 to 6104			11	52			1.7					5	4		
6105 to 6109			24	102			1.6					5	13		
6110 to 6114			8	39			1.3					5	9		
6115, 6116			6	43			1.5					10	17		

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APPENDIX D

PERCUSSION DRILL LOGS

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6802

```
DRILLHOLE/TRAVERSE : WCPH023      COLLAR ELEVATION:     1045.00       AZIMUTH( DEG ) :    0.00      GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  130.00      NORTHING(- IF S):     -515.00       VERTICAL ANGLE :  -90.00      DATE (YY/MM/DD): 810722
CORE/HOLE DIAMETER :      IN      EASTING (- IF W):     1895.00       CO-ORD SYSTEM  :   MAP        PROJECT NUMBER :   4942

R HED                        WC PH 23, JULY 22, 1981.

  F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T IO STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK   FM    RT    TM QM2 TX TX S R S O S       T IO STK DIP KF MU CL EP HE XX PR MO SL
E  L                          QUAL   AGE EN- Q LC- 3     3  4 O N H /  M      2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                          DESIG      VIR   COL            R D P C   L       STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/ OVB     0.00   10.00  10.00             OVER                          P
L
R         0.00   10.00     NO SAMPLE

/ BRS    10.00   20.00  10.00             HORN FX         PP   1 2 1 2  P                 2L       1T       2L
L                                              5A                                                   1L

/        20.00   30.00  10.00             HORN            EQ   1        P                 2L       1T       1F 1T
L                                              5A                                                   1T
R        20.00   30.00     TRACE CP ?

/        30.00   40.00  10.00             HORN FX         PP   1 2 2 2  P                 2F       1T       2F
L                                              5A                                                   2L       1T
R        30.00   40.00     QZ-PY VEINS

/        40.00   50.00  10.00             HORN FX         PP   1 2 1 2  P                 2L       1T       18 1T
L                                              4A                                                   2L

/        50.00   60.00  10.00             HORN FX         PP   1 2 3 2  P                 2L       1T       1B
L                                              4A                                                   2F       1T

/        60.00   70.00  10.00             HORN FX         PP   1 2 = 2  P                 1F       2L       2B
L                                              4A                                                   2F       1T
R        60.00   70.00     QZ-EP VEINS WITH PY

/        70.00   80.00  10.00             HORN FX         PP   1 2 4 2  P                 2F       1L       2F
L                                              5A                                                   2F

/        80.00   90.00  10.00             HORN FX         PP   1 2 = 2  P                 2F       2T       2F
L                                              4A                                                   2F
```

KEY	FLG	FROM	TO	INT	RECOV / RQD	MD / AGE	%	ROCK / EV RQ	TM / LC	TM / TM	QM1 / QM2	TX / TX	TX / TX	F / S	C / R	% / S	M / O	TFDM / SML	RI	1 / 2	ID / ID	AZM / AZM	DIP / DIP	QZ / KF	BI / MU	CY / CL	CB / EP	MG / HE	GY / XX	PY / PR	CP / MO	GL / SL	YY	F	I	Z	I
R		80.00	90.00		QZ VEINS WITH PY																																
/		90.00	100.00	10.00				HORN	FX			PP		1	2	2	2		P					2F			2T			2B							
L									4A																		2F			1L							
/		100.00	110.00	10.00				HORN				EQ							P					2H			1L			2B							
L									7A																2L		2B										
/		110.00	120.00	10.00				HORN	FX			PP		1	2	2	2		P					2B			2L			2B							
L									7A																		2L										
/		120.00	130.00	10.00				HORN	FX			PP		1	2	2	2		P					2B			2L			2B							
L									6A																		2F										

A UMM				PPM CU	PPM MO
A LAB				MIN-EN	MIN-EN
A TYP				PH-CUT	PH-CUT
A MTH				PCL-AA	PCL-AA
A 014	10.00	20.00	2101	26	2
A 014	20.00	30.00	2102	224	2
A 014	30.00	40.00	2103	220	1
A 014	40.00	50.00	2104	105	3
A 014	50.00	60.00	2105	115	1
A 014	60.00	70.00	2106	130	1
A 014	70.00	80.00	2107	120	1
A 014	80.00	90.00	2108	118	4
A 014	90.00	100.00	2109	147	1
A 014	100.00	110.00	2110	242	6
A 014	110.00	120.00	2111	156	8
A 014	120.00	130.00	2112	82	2
R ASY	10.00	130.00	AVE. CU=140 PPM ; AVE. MO=2 PPM.		

A UMM			PPM PB	PPM ZN	PPM AG	PPB AU
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN
A TYP			COMPOS	COMPOS	COMPOS	COMPOS
A MTH			PCL-AA	PCL-AA	PCL-AA	AUR-AA
A 014	10.00	40.00	20	76	2.0	5
A 014	40.00	70.00	19	40	1.4	10
A 014	70.00	100.00	18	64	1.3	5
A 014	100.00	130.00	21	82	1.3	10

R SUM FX-PP HORNFELS OF VOLCANIC ORIGIN WITH IMPORTANT OF QZ-EP-

R SUM CA VEINING. THIS VEINING CONTAINS PYRITE AND MINOR PR AND

R SUM CALCITE.

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                                  G E O L O G   E D I T   L I S T I N G                      SYSTEMS ENGINEERING BY
                                                                                          INTERNATIONAL GEOSYSTEMS CORP.

                                        SASKATCHEWAN MINING DEV. CORP.
                                      WHITING CK PORPHYRY MO-CU DEPOSIT

                                            FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH024        COLLAR ELEVATION:      1069.00        AZIMUTH( DEG ) :    0.00        GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  130.00        NORTHING(- IF S):      -435.00        VERTICAL ANGLE :  -90.00        DATE (YY/MM/DD): 810700
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      1720.00        CO-ORD SYSTEM  :   MAP          PROJECT NUMBER :   4942

R HED                           WCPH024 FIRST GEOLOG BY B.KITE: JULY 22, 1981.

  F    - I N T E R V A L -    CORE  T- X       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =    .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                          ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                          QUAL   AGE EN- Q LC- 3      3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y G                          DESIG      VIR   COL            R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/ OVB    0.00    8.00    8.00           OVER                       P
L

/ BRS    8.00   10.00    2.00           OVER                       P
L
R        8.00   20.00       NO SAMPLE LOGGED

/ FRX   10.00   20.00   10.00           OVER                       P
L

/ FRX   20.00   30.00   10.00           HORN FX       PP    1 3 2 3      P                                      1L
L                                             3A                                            1T    2T
R       20.00   30.00       FX-PP HORNFELS; PYRITE, CALCITE AND EPIDOTE

/       30.00   40.00   10.00           HORN FX       PP    1 3 2 3      P                       2L 1T              1F 1T       9L
L                                             3A                                                  2L
R       30.00   40.00       SILICIC ALTER.

/       40.00   50.00   10.00           HORN FX       PP    1 2 1 2      P                       2L 1T 2T 2L        2F          9L
L                                             3A                0                                    2T    2T
/       50.00   60.00   10.00           HORN FX       PP    1 2 1 2      P                       2L 1T 2T 2L        2F          9L
L                                             4A                0                                    2T    2T        1T
R       50.00   60.00       PY-CA-QZ IN THE SAME VIENS, TRACE PYRRHOTITE

/       60.00   70.00   10.00           HORN          EQ    1            P                       2F 1L 00 1T        2F          9B
L                                             6A                                                     1T    2L
R       60.00   70.00       APHANITIC, SILICIFIED ?

/       70.00   80.00   10.00           HORN FX       PP    1 2 = 2      P                       2F 1T    1T        1B 1T
L                                             4A                0                                    1T    1F           2T
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KEY	FLG	FROM	TO	INT	RECOV / RQD	MD % / AGE	ROCK / EV RQ	TM / LC	TM / TM	QM1 / OM2	TX / TX	TX / TX	F / S	C / R	% / S	M / O	TFOM / SML	RI	1 / 2	ID / IO	AZM / AZM	DIP / DIP	QZ / KF	BI / MU	CY / CL	CB / EP	MG / HE	GY / XX	PY / PR	CP / MO	GL / SL	YY	F	I	Z	I
R		70.00	80.00		PY, QUARTZ VEINS, TRACE CHALCOPYRITE																															
/		80.00	90.00	10.00			HORN				EQ		1			1		P					2F			1T			1B				9F			
L								6A																												
/		90.00	100.00	10.00			HORN	FX			PP		1	2	=	2		P					2M	1T		1F			1B	1T						
L								6A																		2M										
/		100.00	110.00	10.00			HORN	FX			PP		1	3	3	3		P					2L	1T		1T			1L	1T						
L								4A								O										1B										
R		100.00	110.00		CHALCOPYRITE MAY BE TARNISHED PYRITE																															
/		110.00	120.00	10.00			HORN	FX			PP		1	2	1	2		P					1T	1T						1L						
L								6A																		2L										
/		120.00	130.00	10.00			HORN	FX			PP		1	2	1	2		P					2L	1T		2L			2L							
L								5A																		2L										

A UMM				PPM CU	PPM MO
A LAB				MIN-EN	MIN-EN
A TYP				PH-CUT	PH-CUT
A MTH				PCL-AA	PCL-AA
A 014	8.00	10.00	2113	74	2
A 014	10.00	20.00	2114	38	1
A 014	20.00	30.00	2115	26	1
A 014	30.00	40.00	2116	32	1
A 014	40.00	50.00	2117	52	1
A 014	50.00	60.00	2118	30	1
A 014	60.00	70.00	2119	28	2
A 014	70.00	80.00	2120	30	2
A 014	80.00	90.00	2121	40	1
A 014	90.00	100.00	2122	71	1
A 014	100.00	110.00	2123	20	1
A 014	110.00	120.00	2124	340	1
A 014	120.00	130.00	2125	122	1
R ASY	8.00	130.00	AVE. CU=68 PPM ; AVE. MO=1 PPM		

				PPM PB	PPM ZN	PPM AG	PPM AU
A UMM				PPM PB	PPM ZN	PPM AG	PPM AU
A LAB				MIN-EN	MIN-EN	MIN-EN	MIN-EN
A TYP				COMPOS	COMPOS	COMPOS	COMPOS
A MTH				PCL-AA	PCL-AA	PCL-AA	AQR-AA
A 014	8.00	30.00		23	113	1.1	5
A 014	30.00	60.00		13	73	.8	5
A 014	60.00	90.00		16	121	.9	10
A 014	90.00	120.00		17	148	1.3	20
R ASY	120.00	130.00	NO COMPOSITES .				

R SUM FX-PP HORNFELS (VOLCANIC) WITH VEINS AND DISSEMINATIONS OF

R SUM QZ-EP-CA AND PYRITE MAY SHOW SILICIC ALTERATION.

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                                            G E O L O G   E D I T   L I S T I N G                          SYSTEMS ENGINEERING BY
                                                                                                      INTERNATIONAL GEOSYSTEMS CORP.

                                                 SASKATCHEWAN MINING DEV. CORP.
                                               WHITING CK PORPHYRY CU-MO DEPOSIT

                                                     FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH025        COLLAR ELEVATION:      1077.00        AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  320.00        NORTHING(- IF S):      -330.00        VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810723
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      1740.00        CO-ORD SYSTEM  :    MAP         PROJECT NUMBER :   4942

R HED                           PH25 JULY 23, 1981.

   F    - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI    STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A     MI   1     AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM     RT    TM QM2 TX TX S R S O S         T ID STK DIP KF MU CL FP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3      3  4 O N H /  M        2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                         DESIG      VIR   COL             R D P C   L         STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2

/ OVB    0.00   10.00  10.00             OVER                         P
L
R        0.00   10.00     NO SAMPLE

/ BRS   10.00   20.00  10.00             VOLC FX        PP    1 3 4 3       P                 2L                      DL DT
L                                             4A                                                           2T         DT
R       10.00   20.00     PY,CP BEARING QUARTZ EPIDOTE VEINS

/       20.00   30.00  10.00             VOLC FX        PP    1 3 3 3       P                 2L 2T                   7F DN       LI
L                                             4A                                                                         DT

/       30.00   40.00  10.00             VOLC FX        PP    1 2 2 2       P                 2B       2L             2F
L                                             4A                                                       2B

/       40.00   50.00  10.00             VOLC           EQ    1 1           P                 VB       DT             7B
L                                             3A                                                       VB             DT
R       40.00   50.00     MAJORITY OF SAMPLE IS QZ-EP-PY VEIN WITH SOME CB

/       50.00   60.00  10.00             VOLC           EQ    1 1           P                 VB       VT             7B
L                                             4A                                                       VB             DT

/       60.00   70.00  10.00             VOLC           EQ    1 1           P                 VB       VT             VT
L                                             5A                                                       VB             DT

/       70.00   80.00  10.00             VOLC FX        PP    1 3 2 3       P                 VF                         7F       I
L                                             4A                                                       VT             CT

/       70.00   80.00  10.00           6 VOLC           EQ    1 1           R
L                                             7A
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       80.00   90.00  10.00             VOLC           EQ    1 1           P               VL       VT       7F
L                                             6A                                                     VF       DT

/       90.00  100.00  10.00             VOLC           EQ                  P               VL       VT       7F
L                                                                                                       VF       DT

/      100.00  110.00  10.00             VOLC FX        PP    1 2 4 2       P               VL       VT       7F VT
L                                             5A                                                     VL       DT

/      110.00  120.00  10.00             VOLC FX        PP    1 3 2 3       P               VL       VL       7L
L                                             4A                                                     VT       DT

/      120.00  130.00  10.00             VOLC FX        PP    1 3 = 3       P               VL       VL    VT 7L           LI
L                                             3A                                                                 DT

/      130.00  140.00  10.00             VOLC FX        PP    1 3 2 2       P               VL                VL VT
L                                             3A                                                     VL       DT

/      140.00  150.00  10.00             VOLC           EQ    1 1           P               VL       VF       VL
L                                             5A                                                     VF       DT

/      150.00  160.00  10.00             VOLC           EQ    1 1           P               VL       VF       VL
L                                             5A                                                     VF       DT

/      160.00  170.00  10.00             VOLC           EQ    1 1           P               VT       VT    VT VL
L                                             4A                                                                 DT

/      170.00  180.00  10.00             VOLC           EQ    1 1           P               VF       VT    VT 7L
L                                             4A                                                     VT

/      170.00  180.00  10.00           8 FELS QZ BI     EQ EQ 2 2           R
L                                             8A
R      170.00  180.00      FELSITE DYKE OR SILICIFICATION

/      180.00  190.00  10.00             VOLC                               P               VM VT    VT    VT 7B DT
L                                             5A                                                     VL       DT
R      180.00  190.00      5A TO 8A QZ BQ PY VEIN SIMILAR TO "FELSITE" IN LAST INTERVAL

/      190.00  200.00  10.00             VOLC           EQ    1 1           P                              VT 8B       LI
L                                             5A                                                     VT                TT

/      200.00  210.00  10.00             VOLC FX        PP    1 2 = 2       P               VM       VT    VT 8F
L                                             4A                                                     VT       QT

/      210.00  220.00  10.00             VOLC FX        PP    1 2 = 2       P               VF       VT       7F
L                                             6A                                                                 DT
R      210.00  220.00      PY DISSEMINATIONS IN VOLC AND QZ VEINS TRACE CP OR TARNISHED PY

/      220.00  230.00  10.00             VOLC           EQ    1 1           P               VB       VT       7F
L                                             6A                                                     VB       DT
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      220.00  230.00     QZ-EP VEIN PROMINENT WITH PY

/      230.00  240.00  10.00            VOLC FX        PP    1 2 2 2       P               VM       DT       VB VT
L                                            3A                                                              DT
R      230.00  240.00     CP, PY IN QZ VEINS

/      240.00  250.00  10.00            VOLC FX        PP    1 2 3 2       P               VB                BM       LI
L                                            3A                                                     VT                CT
R      240.00  250.00     QZ VEIN WITH HIGH PY CONTENT, TRACE CP OR TARNISHED PY

/      250.00  260.00  10.00            VOLC           EQ    1 1           P               VF       VT       7F
L                                            5A                                                     7F       DT

/      260.00  270.00  10.00            VOLC FX        PP    1 2 5 2       P               VB       VT       7B
L                                            7A                                                     VF       DT
R      260.00  270.00     LIGHT COLORED VOLC POSSIBLY SILICIFIED

/      270.00  280.00  10.00            VOLC FX        PP    1 3 3 3       P               VM       VT       7B DT    LI
L                                            6A                                                     VL       DT
R      270.00  280.00     CP IN SMALL GRAINS IN HEAVY FRACTION

/      280.00  290.00  10.00            VOLC           EQ    1 1           P               VB       VB       BM DT
L                                            6A                                                     VM

/      290.00  300.00  10.00            VOLC FX        PP    1 2 1 2       P               VF       VT       7F
L                                            4A                                                     VF
R      290.00  300.00     SILICIFICATION?  TRACE CP IN HEAVY FRACTION

/      300.00  310.00  10.00            VOLC           EQ    1 1           P               VF       VT       8F DT    LI
L                                            4A                                                VT   VL       DT       CT

/      310.00  320.00  10.00            VOLC           EQ    1 1           P               VF       VT       8F
L                                            5A                                                     VF
R      310.00  320.00     PY IN QZ-EP VEINS, TRACE CP?
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A	UMM				PPM CU	PPM MO
A	LAB				MIN-EN	MIN-EN
A	TYP				PH-CUT	PH-CUT
A	MTH				PCL-AA	PCL-AA
A	014	7.00	10.00	2126	38	1
A	014	10.00	20.00	2127	135	1
A	014	20.00	30.00	2128	120	2
A	014	30.00	40.00	2129	46	1
A	014	40.00	50.00	2130	1270	1
A	014	50.00	60.00	2131	235	2
A	014	60.00	70.00	2132	178	1
A	014	70.00	80.00	2133	190	1
A	014	80.00	90.00	2134	186	1
A	014	90.00	100.00	2135	156	2
A	014	100.00	110.00	2136	190	2
A	014	110.00	120.00	2137	48	4
A	014	120.00	130.00	2138	32	1
A	014	130.00	140.00	2139	46	2
A	014	140.00	150.00	2140	78	2
A	014	150.00	160.00	2141	106	1
A	014	160.00	170.00	2142	124	2
A	014	170.00	180.00	2143	124	2
A	014	180.00	190.00	2144	156	1
A	014	190.00	200.00	2145	142	1
A	014	200.00	210.00	2146	138	1
A	014	210.00	220.00	2147	118	1
A	014	220.00	230.00	2148	102	2
A	014	230.00	240.00	2149	118	2
A	014	240.00	250.00	2150	114	1
A	014	250.00	260.00	2151	100	1
A	014	260.00	270.00	2152	152	1
A	014	270.00	280.00	2153	102	1
A	014	280.00	290.00	2154	114	1
A	014	290.00	300.00	2155	164	1
A	014	300.00	310.00	2156	162	2
A	014	310.00	320.00	2157	146	2
R	ASY	7.00	320.00	AVE. CU= 192 PPM; AVE. MO= 2 PPM .		

A UMM			PPM PB	PPM ZN	PPM AG	PPB AU
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN
A TYP			COMPOS	COMPOS	COMPOS	COMPOS
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA
A 014	7.00	20.00	20	113	1.4	5
A 014	20.00	50.00	24	227	2.1	185
A 014	50.00	80.00	28	68	1.5	35
A 014	80.00	110.00	26	189	2.0	5
A 014	110.00	140.00	20	84	1.4	5
A 014	140.00	170.00	14	65	1.0	10
A 014	170.00	200.00	16	76	1.4	5
A 014	200.00	230.00	12	79	1.0	10
A 014	230.00	260.00	14	61	1.4	10
A 014	260.00	290.00	18	49	1.5	5
A 014	290.00	320.00	12	48	1.3	10

R SUM VOLC WITH QZ-EP VEINS. PY FOUND AS DISSEMINATIONS, IN VEINS

R SUM AND WITHIN THE THE QZ-EP VEINS. TRACE CP, SILICIFICATION

R SUM PRESENT ?

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                                        G E O L O G   E D I T   L I S T I N G                            SYSTEMS ENGINEERING BY
                                                                                                   INTERNATIONAL GEOSYSTEMS CORP.

                                              SASKATCHEWAN MINING DEV. CORP.
                                            WHITING CK MO-CU PORPHYRY DEPOSIT BC

                                                    FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH026        COLLAR ELEVATION:      1070.00         AZIMUTH( DEG ) :    0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  320.00        NORTHING(- IF S):      -340.00         VERTICAL ANGLE :  -90.00       DATE (YY/MM/DD): 810723
CORE/HOLE DIAMETER :      IN        EASTING (- IF W):      2055.00         CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :   4942

R HED                        PH 26 JUL 23 1981.

   F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    D I      TM TM MAT TX TX F C % M DEN  /RT T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM      RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3       3  4 O N H /  M       2   AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                         DESIG      VIR   COL            R O P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/ OVB     0.00    30.00  30.00              OVER                            P
L
R         0.00    30.00       NO SAMPLE

/ BRS    30.00    40.00  10.00              VOLC FX        PP    1 3 2 3        P                VL       VL         BL
L                                                4A                                                        VF

/ CNT    30.00    40.00  10.00            X GRDR QZ BI FX  EQ EQ 2 5 6 5        R
L                                                9A
R        30.00    40.00       TRACE CP, PR IN HEAVIES
R        30.00    40.00       CONTACT BETWEEN VOLC AND GRDR

/        40.00    50.00  10.00              GRDR QZ BI FX  EQ EQ 2 5 6 5        P                VL       DT         7B
L                                                9A                                                        VT         DT
R        40.00    50.00       TRACE CP IN HEAVIES

/        50.00    60.00  10.00              GRDR QZ BI FX  EQ EQ 2 5 6 5        P                                 VT DB
L                                                9A                                                        VT         DT
R        50.00    60.00       TRACE CP IN HEAVIES

/        60.00    70.00  10.00              GRDR QZ BI FX  EQ EQ 2 4 6 4        P                                    DF
L                                                9A                                                        DT         DT

/        70.00    80.00  10.00              GRDR QZ BI FX  EQ EQ 1 2 5 2        P                         DF
L                                                9A                                                        DT

/        80.00    90.00  10.00              GRDR QZ BI FX  EQ EQ 2 2            P                                    DB DT
L                                                9A                                                        DT         DT
R        80.00    90.00       TRACE CP IN HEAVIES?
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M TFOM  RI 1 IO AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QN2 TX TX S R S O SML      2 IO AZM DIP KF MU CL FP HE XX PR MO SL

/       90.00  100.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 3 2       P                                 DB DT
L                                             9A

/      100.00  110.00  10.00             GRDR QZ BI FX  EQ EQ 1 3 5 3       P                        DT       DB DT
L                                             9A

/      110.00  120.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 2       P                        00       DB DT
L                                             9A

/      120.00  130.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 4       P                                 DB DT
L                                             9A

/      130.00  140.00  10.00             GRDR QZ BI FX  EQ EQ 1 3 5 4       P                                 DF DT
L                                             9A                                               XT    DT       DT
R      130.00  140.00      CP AND PR TRACE IN HEAVIES

/      140.00  150.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 5       P                                 DF DT    LI
L                                                                                                                      CT

/      150.00  160.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 5       P                        DT    VT DF DT    00
L                                             9A

/      160.00  170.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 5       P                              00 DF DT    00
L                                             9A                                               00

/      170.00  180.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 6 5       P                        DT       DF DT
L                                             8A                                                              DT

/ DYK  170.00  180.00  10.00           / FELS                 1             R
L                                             7A
R      170.00  180.00      ONE FELSITE FRAGMENT:  NO MINERALIZATION

/      180.00  190.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 4       P                        DT       DF DT
L                                             9A

/      190.00  200.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 3       P                                 DF DT
L                                             9A                                                     DT       DT
R      190.00  200.00      VERY LITTLE COARSE SAMPLE

/      200.00  210.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 3       P                                 DF DT
L                                             9A
R      200.00  210.00      NO COARSE SAMPLE

/      210.00  220.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 3       P                                 DF DT
L
R      210.00  220.00      IN 230-240 SPACE

/      220.00  230.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 3       P                                 DF DT
L                                             9A                                               XT    DT       DT
R      220.00  230.00      IN 210-220 SPACE, NO COARSE SAMPLE
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/      230.00  240.00  10.00             GRDR QZ BI FX  EQ EQ 1 2 5 3      P                                 DF DT
L                                             9A
R      230.00  240.00      IN 220-230 SPACE

/      240.00  250.00  10.00             GRDR QZ BI FX                     P                                 DF DT
L                                             9A                                              XT    DT       DT
R      240.00  250.00      NO COARSE SAMPLE

/      250.00  260.00  10.00             GRDR QZ BI FX                     P
L                                             9A

/      260.00  270.00  10.00             GRDR QZ BI FX                     P
L                                             9A                                                    DT
R      260.00  270.00      NO COARSE SAMPLE:  PY IN HEAVIES

/      270.00  280.00  10.00             GRDR QZ BI FX                     P                  DM DT
L                                             9A                                              DN
R      270.00  280.00      NO COARSE SAMPLE

/      280.00  290.00  10.00             GRDR QZ BI FX                     P                  DM DT DT
L                                             9A                                                    DT
R      280.00  290.00      NO COARSE SAMPLE

/      290.00  300.00  10.00             GRDR QZ BI FX                     P                        DT       DF DT
L                                                                                                   DT       DN
R      290.00  300.00      NO COARSE SAMPLE

/      300.00  310.00  10.00             GRDR QZ BI FX                     P                        DT       DF DT
L
R      300.00  310.00      NO COARSE SAMPLE

/      310.00  320.00  10.00             GRDR QZ BI FX                     P                        DT       DF DT
L
R      310.00  320.00      NO COARSE SAMPLE
R      310.00  320.00
```

				PPM CU	PPM MO
A UMM				PPM CU	PPM MO
A LAB				MIN-EN	MIN-EN
A TYP				PH-CUT	PH-CUT
A MTH				PCL-AA	PCL-AA
A 014	30.00	40.00	2158	154	1
A 014	40.00	50.00	2159	136	14
A 014	50.00	60.00	2160	114	3
A 014	60.00	70.00	2161	138	33
A 014	70.00	80.00	2162	211	29
A 014	80.00	90.00	2163	210	7
A 014	90.00	100.00	2164	225	40
A 014	100.00	110.00	2165	202	9
A 014	110.00	120.00	2166	173	17
A 014	120.00	130.00	2167	128	30
A 014	130.00	140.00	2168	135	25
A 014	140.00	150.00	2169	144	33
A 014	150.00	160.00	2170	101	36
A 014	160.00	170.00	2171	118	21
A 014	170.00	180.00	2172	168	33
A 014	180.00	190.00	2173	130	26
A 014	190.00	200.00	2174	316	17
A 014	200.00	210.00	2175	192	7
A 014	210.00	220.00	2176	211	7
A 014	220.00	230.00	2177	240	19
A 014	230.00	240.00	2178	269	16
A 014	240.00	250.00	2179	309	32
A 014	250.00	260.00	2180	315	25
A 014	260.00	270.00	2181	262	12
A 014	270.00	280.00	2182	260	22
A 014	280.00	290.00	2183	377	30
A 014	290.00	300.00	2184	320	26
A 014	300.00	310.00	2185	292	31
A 014	310.00	320.00	2186	347	36
R ASY	30.00	320.00	AVE. CU=214 PPM ; AVE. MO=22 PPM		

A	UMM			PPM PB	PPM ZN	PPM AG	PPB AU
A	LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN
A	TYP			COMPOS	COMPOS	COMPOS	COMPOS
A	MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA
A	014	30.00	60.00	18	73	1.2	5
A	014	60.00	90.00	10	51	1.1	5
A	014	90.00	120.00	12	58	1.2	5
A	014	120.00	150.00	10	36	.8	5
A	014	150.00	180.00	22	66	1.0	5
A	014	180.00	210.00	16	51	.9	-5
A	014	210.00	240.00	24	92	1.0	5
A	014	240.00	270.00	21	67	1.0	5
A	014	270.00	300.00	260	535	3.0	10
A	014	300.00	320.00	200	198	1.6	5

R ASY 180.00 210.00 DETECTION LIMIT IS PRECEDED BY A MINUS SIGN.

R SUM VOLC TO 40FT THEN GRDR: QZ, BI, FELD, WITH DISSEMINATED PY,

R SUM TRACE CP AND PR

```
 I G C                                                                                   PAGE : 1  DATE :1981/11/..

                                  G E O L O G   E D I T   L I S T I N G                     SYSTEMS ENGINEERING BY
                                                                                         INTERNATIONAL GEOSYSTEMS CORP.

                                          SASKATCHEWAN MINING DEV. CORP.
                                        WHITING CK PORPHYRY MO-CU DEPOSIT

                                              FORMAT VERSION : 6B02

DRILLHOLE/TRAVERSE : WCPH027        COLLAR ELEVATION:      1100.00        AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  270.00        NORTHING(- IF S):      -350.00        VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810725
CORE/HOLE DIAMETER :      IN        EASTING (- IF W):      2460.00        CO-ORD SYSTEM  :    MAP         PROJECT NUMBER :   4942

R HED                           PH 27 JULY 23, 1981.

  F    - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MI=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T ( . )   D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                          ROCK   FM     RT     TM QM2 TX TX S R S O S          T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                          QUAL   AGE EN- Q LC- 3       3  4 O N H /  M         2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y G                          DESIG      VIR   COL              R D P C   L          STRUCTUR=2  A  A  A  A  A  A  A  A  A  A     2   2


/         0.00   18.00  18.00          OVER                       P
L
R         0.00   18.00      NO SAMPLE TAKEN

/ BRS    18.00   20.00   2.00          VOLC FX      PP    1 3 3 3     P                    VT                VT       8F
L                                           4A                  O                                                     DT TO

/        18.00   20.00   2.00        / GRDR QZ BI                     R                                      DL    DL
L                                           9A
R        18.00   20.00      THIS SAMPLE CONTAINS BOTH VOLC AND GRDR
R        18.00   20.00      IS THE GRDR A QZ VEIN?

/        20.00   30.00  10.00          VOLC         EQ    1           P                    VM VT          DT    VB       LI
L                                           5A                                                                  VT       CT
R        20.00   30.00      QZ VEIN HEAVILY MINERALIZED WITH PY

/        30.00   40.00  10.00          VOLC         EQ                P                    VF          VT       VF
L                                           6A                                                                  VT
R        30.00   40.00      POSSIBLY MG IN HEAVIES

/        40.00   50.00  10.00          VOLC         EQ    1           P                    VL          VT DT VF 7L
L                                           6A                                                                  VT

/        50.00   60.00  10.00          VOLC         EQ                P                    VL          VT DT    DF
L                                           6A                                                                  DT
R        50.00   60.00      MAY BE SOME GY VEINS

/        60.00   70.00  10.00          VOLC FX      PP    1 2 4 2     P                    VF          VT       DB
L                                           6A
```

```
K  F  F R O M - T O -  I N T RECOV MD % ROCK TM TM QM1 TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

R       60.00   70.00      QZ, PY, CB IN FRAGMENTS FROM VEINS

/       70.00   80.00  10.00            VOLC FX        PP    1 3 2 3       P               VF       TV       DB       LI
L                                            5A                                                              DT       CT
R       70.00   80.00      PY DISSEMINATED IN VOLC AND QZ VEIN FRAGMENTS
R       70.00   80.00      GY POSSIBLY PRESENT

/       80.00   90.00  10.00            VOLC           EQ    1 1           P               VL       VF    VT DF         6
L                                            4A                                               TV    VF       DT           F
R       80.00   90.00      PY DISSEMINATED IN QZ-EP AND CB VEINS
R       80.00   90.00      TRACE MG IN HEAVIES.  ARGILLIC ALTERATION?

/       90.00  100.00  10.00            VOLC           EQ    1 1           P               VL       VL       7F         6
L                                            6A                                                     VL       DT           F

/       90.00  100.00  10.00          / GRDR QZ BI F   X  GR     1 3 3 3   R
L                                            8A
R       90.00  100.00      VOLC IN CONTACT WITH GRDR PY IN GRDR, VOLC AND QZ VEINS
R       90.00  100.00      ALTERATION PRESENT? MAY BE ARGILLIC

/      100.00  110.00  10.00            GRDR QZ BI                         P               VB    VL VT       6B         6
L                                            8A                                               VT    DT                    F

/      110.00  120.00  10.00            GRDR QZ BI FX  GR    1 2 4 2       P                     DL             DL       6
L                                            8A                                               DT    VT       DT           T

/      120.00  130.00  10.00            GRDR QZ BI FX  GR    1 2 3 2       P                     DT 6T       DF         6
L                                            9A                                               DT    DT       DT           L
R      120.00  130.00      ARGILLIC ALTERATION CHARACTERIZED BY DISSEMINATED MU, CY

/      130.00  140.00  10.00            GRDR QZ BI     GR    1 2 1 2       P                     DT 7T       DL         6
L                                            8A                                               DT    7T                    L

/      140.00  150.00  10.00            GRDR QZ BI FX  GR    1 2 2 2       P                     MF 7T       DF         6
L                                            9A                                               DF    DT       DT           B

/      150.00  160.00  10.00            GRDR QZ BI     GR    1 2 5 2       P                     DL 7T       DF         6
L                                            7A                                               DL    DL       DT           L
R      150.00  160.00      GRDR IS FINER GRAINED AND DARKER THAN PREVIOUS INTERVALS

/      160.00  170.00  10.00            GRDR QZ BI           1 2 6 2       P                     DN 7T DT    DF         6
L                                            7A                                               DT    7T       DT           T
R      160.00  170.00      FINE GRAINED GRDR COULD IT BE A FELS DYKE?

/      170.00  180.00  10.00            VOLC FX BI     PP    1 3 4 3       P               6M    6T VT       6F DT      6
L                                            7A                                               6L    VT                    L
R      170.00  180.00      SECONDARY BI?

/      180.00  190.00  10.00            VOLC FX BI     PP    2 2 4 3       P               6M    6T VT       6F DT      6
L                                            7A                                                                           F

/      190.00  200.00  10.00            VOLC FX BI           2 2           P               VF    VT VT       6F         6
L                                            5A                                               VT                DT TV     L
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SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT
DRILLHOLE/TRAVERSE --- WCPH027 --- (CONTINUED)

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QMI TX TX F C X M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      190.00  200.00      MO IN QZ VEIN FRAGMENT

/      200.00  210.00  10.00             VOLC FX BI           2 2           P               VF    VT VT       6F            6
L                                             6A                                                        D  T     0  0

/      210.00  220.00  10.00             VOLC FX BI           2 2           P               VF    VT VT       6L
L                                             6A                                               VL                DT DN
R      210.00  220.00      MO DISSEMINATED WITH PY, MU (?) IN QZ VEIN.

/      220.00  230.00  10.00             VOLC FX BI           2 2           P               VB    6T VL       DF            6
L                                             6A                                               6L    VT          VN           L
R      220.00  230.00      BI SECONDARY?  TRACE MOLY IN HEAVIES?

/      230.00  240.00  10.00             VOLC FX BI     PP    1 2 1 2       P                              DT
L                                             5A                                                     VL          00

/      240.00  250.00  10.00             VOLC FX BI     PP    1 2 1 2       P               VB    VL VT DT    DB
L                                             6A                                               VL    VL       DT DT
R      240.00  250.00      MO ASSOCIATED WITH QZ-CB VEINS.  IT APPEARS AS DISSEMINATIONS IN
R      240.00  250.00      THE QZ AND CB.

/      250.00  260.00  10.00             VOLC           EQ    1 1           P               VF    VL VT DT    DF
L                                             5A                                               VL    DT       DT

/      260.00  270.00  10.00             VOLC       EQ  EQ 11 1 1           P               VF    VL VT DT    DF
L                                             5A                                               VL    DT       DT
R      260.00  270.00      MO TRACE?
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SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT
DRILLHOLE/TRAVERSE --- WCPH027 --- (CONTINUED)

						HASH
A UMM				PPM CU	PPM MO	HASH
A LAB				MIN-EN	MIN-EN	
A TYP				PH-CUT	PH-CUT	
A MTH				PCL-AA	PCL-AA	
A 014	18.00	20.00	287	116	2	118
A 014	20.00	30.00	2188	132	3	135
A 014	30.00	40.00	2189	120	2	122
A 014	40.00	50.00	2190	118	2	120
A 014	50.00	60.00	2191	48	3	51
A 014	60.00	70.00	2192	54	4	58
A 014	70.00	80.00	2193	50	2	52
A 014	80.00	90.00	2194	108	6	114
A 014	90.00	100.00	2195	66	3	69
A 014	100.00	110.00	2196	38	2	40
A 014	110.00	120.00	2197	46	4	50
A 014	120.00	130.00	2198	114	6	120
A 014	130.00	140.00	2199	62	2	64
A 014	140.00	150.00	2200	86	4	90
A 014	150.00	160.00	2201	62	3	65
A 014	160.00	170.00	2202	56	6	62
A 014	170.00	180.00	2203	42	4	46
A 014	180.00	190.00	2204	28	3	31
A 014	190.00	200.00	2205	16	4	20
A 014	200.00	210.00	2206	10	5	15
A 014	210.00	220.00	2207	46	4	50
A 014	220.00	230.00	2208	60	4	64
A 014	230.00	240.00	2209	42	2	44
A 014	240.00	250.00	2210	70	4	74
A 014	250.00	260.00	2211	90	1	91
A 014	260.00	270.00	2212	70	2	72
R ASY	18.00	270.00	AVE CU 64 PPM			
R ASY	18.00	270.00	AVE MO 3 PPM			

			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	18.00	40.00	11	76	1.0	10	98.0
A 014	40.00	70.00	20	71	1.3	5	97.3
A 014	70.00	100.00	19	47	1.4	5	72.4
A 014	100.00	130.00	8	35	.7	10	53.7
A 014	130.00	160.00	13	61	.9	10	84.9
A 014	160.00	190.00	18	83	1.1	5	107.1
A 014	190.00	220.00	20	51	1.1	5	77.1
A 014	220.00	250.00	14	61	1.1	5	81.1
A 014	250.00	270.00	13	65	1.1	10	89.1

R SUM VOLC POSSIBLY WITH ARGILLIC ALTERATION. ALTERATION MINERALS

R SUM ARE QZ, MU, CB, CY, PY, PR, MG, CP AND MO ARE PRESENT.

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                                        G E O L O G   E D I T   L I S T I N G                         SYSTEMS ENGINEERING BY
                                                                                                 INTERNATIONAL GEOSYSTEMS CORP.

                                              SASKATCHEWAN MINING DEV. CORP.
                                            WHITING CK PORPHYRY MO-CU DEPOSIT

                                                   FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH028        COLLAR ELEVATION:      1140.00        AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  330.00        NORTHING(- IF S):       -60.00        VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810726
CORE/HOLE DIAMETER :      IN        EASTING (- IF W):      1825.00        CO-ORD SYSTEM  :    MAP         PROJECT NUMBER :    4942

R HED                           PDH 28 JUL 26, 1981.

   F    - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   ,  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 OM1  1  2 F F C A    MI    1     AZM  RT OZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK   FM     RT    TM OM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                          QUAL   AGE EN- Q LC- 3       3  4 O M H /  M      2     AZM  RT H  H  H  H  H  H  H  H  H  H   1  1
Y  G                          DESIG      VIR   COL               R O P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2  2

/ OVB     0.00    7.00   7.00            OVER                                 P
L
R         0.00    7.00       NO SAMPLE TAKEN

/ BRS     7.00   10.00   3.00            VOLC         EQ     11               P                VF        DT        DL       LI
L                                             6A                                                         DT        DT       CT
R         7.00   10.00       APHANETIC CHERTY VOLCANIC ROCK

/        10.00   20.00  10.00            VOLC         EQ     11               P                                       DT    LI
L                                             5A                                                  VT                        CL
R        10.00   20.00       TRACE CP IN HEAVIES

/        20.00   30.00  10.00            VOLC            EQ     1 1           P                VL        VT        DL DT
L                                             6A                                                         VT        DT

/        30.00   40.00  10.00            VOLC            EQ     1 1           P                VT        VT        DL
L                                             7A

/        40.00   50.00  10.00            VOLC                                 P                VF        VT        7F DT
L                                             5A                                                         VT        DT
R        40.00   50.00       PY DISSEMINATED IN VOLC AND IN QZ VEINS
R        40.00   50.00       TRACE CP IN HEAVIES

/        50.00   60.00  10.00            VOLC            EQ     1 1           P                VF VT     VT        7F DT    LI
L                                             7A                                                  VT                        CT
R        50.00   60.00       SECONDARY BI WITHIN QZ VEINS.

/        60.00   70.00  10.00            VOLC            EQ     1 1           P                VL        VT        DF
L                                             8A                                                  VT               DT
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       70.00   80.00  10.00             VOLC FX        PP    1 2 3 2       P               VL VT    VL       6F DT    LI
L                                             7A                    C                          6T    VT       DT       CT

/       80.00   90.00  10.00             VOLC           EQ    1 1           P               VL       VL       DF DN    LI
L                                             6A                                               6T                DT    CT

/       90.00  100.00  10.00             VOLC           EQ                  P               VL       VL       DL DT    LI
L                                             7A                                               6T                DT    CT

/      100.00  110.00  10.00             VOLC           EQ    1 1           P               VL       VL       DL          6
L                                             5A                                                              DT             T
R      100.00  110.00      POSSIBLY ARGILLIC ALTERATION MU AND CY OBSERVED

/      110.00  120.00  10.00             VOLC           EQ    1 1           P               VT       VL       DL          6
L                                             6A

/      120.00  130.00  10.00             VOLC           EQ    1 1           P               VT       VL       DL
L

/      130.00  140.00  10.00             VOLC           EQ    1 1           P               VT       VL       DL DT    LI
L                                             7A                                                     VT       DT       CT

/      140.00  150.00  10.00             VOLC           EQ    1 1           P                        VL       VL       LI
L                                             7A                                               VT    VT       DT       CT
R      140.00  150.00      CHERTY APHANETIC VOLC

/      150.00  160.00  10.00             VOLC           EQ    1 1           P                        VL       VL       LI
L                                             6A

/      160.00  170.00  10.00             VOLC           EQ    1 1           P               VT       VL       DL       LI
L                                             7A                                               VT                      CT

/      170.00  180.00  10.00             VOLC           EQ    1 1           P               VF       VL       DL       LI
L                                             7A                                                                       CT

/      180.00  190.00  10.00             VOLC           EQ    1 1           P               VF       VL       DL DT    00
L                                             8A                                                                       CT

/      190.00  200.00  10.00             VOLC           EQ    1 1           P               VF       VF       DL DT
L                                             7A                                               UN    VT

/      200.00  210.00  10.00             VOLC           EQ    1 1           P               VF       VF       DL DT
L                                             4A                                               UN    VT

/      210.00  220.00  10.00             VOLC           EQ    1 1           P               VF       VF       DL DT
L                                             5A                                               UN    VT

/      220.00  230.00  10.00             VOLC           EQ    1 1           P               VT       VT       DF
L                                             4A                                                                 DT

/      220.00  230.00  10.00           / VOLC           EQ    1 1           R
L                                             7A
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                       R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R      220.00  230.00     CHERTY TEXTURED VOLC

/      230.00  240.00  10.00             VOLC           EQ    1 1           P               VL       VT       DF           LI
L                                             6A                                                              DT             CT
R      230.00  240.00     PY DISSEMINATED IN QZ VEINS AND VOLC.

/      240.00  250.00  10.00             VOLC           EQ    1 1           P               VB       VT       DF
L                                             7A                                               VT

/      240.00  250.00  10.00           / VOLC           EQ    1 1           R
L                                             4A

/      250.00  260.00  10.00             VOLC           EQ    1 1           P               VL       VT       DF           LI
L                                             6A                                               VT             DT             CT

/      260.00  270.00  10.00             VOLC           EQ    1 1           P               VL       VT       DL           LI
L                                             4A                                               VT             DT             CT

/      270.00  280.00  10.00             VOLC FX        PP    1 3 = 3       P               VB       VT       7F
L                                             5A                                               VT             DT
R      270.00  280.00     PY DISSEMINATED IN QZ VEIN

/      280.00  290.00  10.00             VOLC FX        EQ    1 1 = 3       P               VB       VT       7F
L                                             4A

/      290.00  300.00  10.00             VOLC           EQ    1 1           P               VM       VT       DF           LI
L                                             5A                                               VT             DT

/      300.00  310.00  10.00             VOLC           EQ    1 1           P               VF       VT       DF DT        LI
L                                             4A                                               VT             DT

/      310.00  320.00  10.00             VOLC           EQ    1 1           P               VL       VT       DF 00        LI
L                                             4A                                               VT    VT       DT

/      320.00  330.00  10.00             VOLC           EQ    1 1           P
L                                             5A                                                     00
```

				PPM CU	PPM MO	HASH
A UMM				PPM CU	PPM MO	HASH
A LAB				MIN-EN	MIN-EN	
A TYP				PH-CUT	PH-CUT	
A MTH				PCL-AA	PCL-AA	
A 014	7.00	10.00	2213	96	2	98
A 014	10.00	20.00	2214	118	8	126
A 014	20.00	30.00	2215	475	7	482
A 014	30.00	40.00	2216	60	6	66
A 014	40.00	50.00	2217	104	4	108
A 014	50.00	60.00	2218	166	1	167
A 014	60.00	70.00	2219	94	2	96
A 014	70.00	80.00	2220	180	4	184
A 014	80.00	90.00	2221	192	1	193
A 014	90.00	100.00	2222	102	2	104
A 014	100.00	110.00	2223	56	4	60
A 014	110.00	120.00	2224	52	2	54
A 014	120.00	130.00	2225	100	1	101
A 014	130.00	140.00	2226	132	10	
A 014	140.00	150.00	2227	116	6	
A 014	150.00	160.00	2228	77	2	
A 014	160.00	170.00	2229	55	4	
A 014	170.00	180.00	2230	52	6	
A 014	180.00	190.00	2231	123	7	
A 014	190.00	200.00	2232	94	5	
A 014	200.00	210.00	2233	104	4	
A 014	210.00	220.00	2234	67	3	
A 014	220.00	230.00	2235	70	6	
A 014	230.00	240.00	2236	60	6	
A 014	240.00	250.00	2237	48	8	
A 014	250.00	260.00	2238	40	10	
A 014	260.00	270.00	2239	47	4	
A 014	270.00	280.00	2240	43	4	
A 014	280.00	290.00	2241	56	2	58
A 014	290.00	300.00	2242	72	4	76
A 014	300.00	310.00	2243	66	5	71
A 014	310.00	320.00	2244	42	8	50
A 014	320.00	330.00	2245	74	6	80
R ASY	7.00	330.00	AVE CU 96 PPM			
R ASY	7.00	330.00	AVE MO 5 PPM			

			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	10.00	40.00	20	102	1.7	90	213.7
A 014	40.00	70.00	25	98	1.6	105	229.6
A 014	70.00	100.00	73	321	2.6	40	436.6
A 014	100.00	130.00	33	131	1.9	30	195.9
A 014	130.00	160.00	42	153	1.7	35	231.7
A 014	160.00	190.00	74	328	2.3	50	454.3
A 014	190.00	220.00	36	160	2.1	50	248.1
A 014	220.00	250.00	23	96	1.8	60	180.8
A 014	250.00	280.00	25	104	1.4	40	170.4
A 014	280.00	310.00	29	103	1.5	100	233.5
A 014	310.00	330.00	56	102	1.8	25	184.8

R SUM APHANETIC VOLC SEQUENCE. VOLC VARY FROM 7A TO 4A IN COLOR.

R SUM SOME VOLC ARE CHERTY AND SILICEOUS. PY OCCURS AS

R SUM DISSEMINATIONS AND IN QZ VEINS PO, TRACE CP FOUND IN HEAVIES

```
                                     G E O L O G   E D I T   L I S T I N G                              SYSTEMS ENGINEERING BY
                                                                                                     INTERNATIONAL GEOSYSTEMS CORP.

                                          SASKATCHEWAN MINING DEV. CORP.
                                       WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                                FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH029        COLLAR ELEVATION:      1130.00        AZIMUTH( DEG ) :    0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  330.00        NORTHING(- IF S):      -145.00        VERTICAL ANGLE :  -90.00       DATE (YY/MM/DD): 810727
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      2040.00        CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :    4942

R HED                     PDH 29, JULY 27, 1981/

   F   - I N T E R V A L -     CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A   MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK    FM     RT    TM QM2 TX TX S R S O S         T ID STK DIP KF MU CL EP HE XX PR MO SL
F  L                         QUAL    AGE EN- O LC- 3      3  4 O N H /  M        2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                         DESIG       VIR   COL             R D P C   L          STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2

/ BRS    0.00   10.00  10.00              VOLC FX        PP    1 3 = 3        P             VF VN             VT        LI
L                                              4A                    O                                                  CT

/       10.00   20.00  10.00              VOLC           EQ    1 1            P             VM OO             VL OT     LI
L                                              4A                                               VT            OT        CT
R       10.00   20.00       LIMONITE PATCHES ON QZ VEIN FRAGMENTS
R       10.00   20.00       PYRITE CUBES ALSO IN QZ VEIN FRAGMENTS

/       20.00   30.00  10.00              VOLC           EQ    1 1            P             VA OO             VL OT     LI
L                                              4A                                                             OO        CB

/       30.00   40.00  10.00              VOLC FX        PP    1 3 7 3        P             VM VT             VL OT     LI
L                                              6A                                                             OT

/       40.00   50.00  10.00              VOLC           EQ    1 1            P             VH                VL        LI
L                                              7A                                               VT                      CL

/       40.00   50.00  10.00            / VOLC FX        PP    1 3 7 3        R
L                                              4A
R       40.00   50.00       APHANETIC CHERTY VOLC

/       50.00   60.00  10.00              RHYD FX        PP    1 3 3 3        P             VL                VF        LI
L                                              8A                                               VT            OT        TL
R       50.00   60.00       PY CUBES IN QZ-LI VEIN

/       60.00   70.00  10.00              RHYD FX        PP    1 3 6 3        P             VL          OT    VF        LI
L                                              8A
R       60.00   70.00       MG TRACE IN HEAVIES

/       70.00   80.00  10.00              ANDS           EQ    1 1            P             VL          OT    DL        LI
L                                                                                                                       TT
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML        2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/        70.00   80.00  10.00           / RHYD FX        PP    1 3 6 3       R
L
R        70.00   80.00      PY DISSEMINATED IN BOTH ANDS AND RHYD
R        70.00   80.00      MG TRACE IN HEAVIES

/        80.00   90.00  10.00             RHYD           EQ    1 1           P               VL         DT     DL       LI
L                                             7A                                                                       TT

/        90.00  100.00  10.00             RHYD           EQ    1 1           P               VL      VT DT     DL       LI
L                                             7A

/       100.00  110.00  10.00             RHYD FX QZ     PP    1 4 6 4       P                          DT     6F       LI
L                                             8A                                                                       CT

/       110.00  120.00  10.00             RHYD FX        PP    1 4 4 4       P                                 DL       LI
L                                             7A                                                                       CT

/       120.00  130.00  10.00             RHYD           EQ    1 1           P               VL             VT DB DT    CI
L                                             7A                                                             VT
R       120.00  130.00      TRACE MOLY IN VEIN, AND CC

/       130.00  140.00  10.00             RHYD           EQ    1 1           P               VL                DB
L                                             7A                                               DT

/       140.00  150.00  10.00             RHYD           EQ    1 1           P               VL                DB       LI
L                                             8A                                               DT                      TT

/       150.00  160.00  10.00             RHYL FX QZ     EQ PP 1 2 4 2       P               VT         DT     DF       LI
L                                             8A                                               DN                      TT

/       160.00  170.00  10.00             RHYD           EQ    1 1           P               VT         DT     DF       LI
L                                             8A                                               DT                      CT

/       160.00  170.00  10.00           3 ANDS FX        PP    1 3 1 3       R
L                                             4A

/       170.00  180.00  10.00             RHYL           EQ    1 1           P               VN VT      DT     DF
L                                             8A                                               DT             DT

/       170.00  180.00  10.00           2 ANDS           EQ    1 1           R
L                                             4A
R       170.00  180.00      TRACE MG IN HEAVIES

/       180.00  190.00  10.00             RHYL           EQ    1 1           P               VN VT      DT     DA
L                                             8A                                               7T

/       180.00  190.00  10.00           3 ANDS FX        PP    1 3 3 3       R
L                                             4A

/       190.00  200.00  10.00             RHYL           EQ    1 1           P               VN VT      DT     DF
L                                             8A                                               DT
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KEY	F -L- G	FROM	TO	INT	RECOV ROD	MD AGE	% EV	ROCK RQ	TM LC	TM TM	QM1 QM2	TX TX	TX TX	F S	C R	% S	M O	TFDM SML	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ KF	BI MU	CY CL	CB EP	MG HE	GY XX	PY PR	CP MO	GL SL	YY	F	I	Z	I
/		190.00	200.00	10.00			5	ANDS	FX			PP		1	3	3	3		R																		
L									4A																												
/		200.00	210.00	10.00				RHYL				EQ		1	1				P					VN	VT			DT		DF							
L									8A																												
/		200.00	210.00	10.00			3	ANDS	FX			PP		1	2	1	2		R																		
L									4A																												
/		210.00	220.00	10.00				RHYL				EQ		1	1				P					VT						DF							
L									8A																DT												
/		210.00	220.00	10.00			4	ANDS	FX			PP		1	3	3	3		R																		
L									4A																												
/		220.00	230.00	10.00				RHYL				EQ		1	1				P					VT						DF	DT		LI				
L									8A																DT								CT				
/		220.00	230.00	10.00			4	ANDS				EQ		1	1				R																		
L									4A																												
/		230.00	240.00	10.00				RHYL											P					VT					VT	DF	DT						
L									8A																DT												
/		230.00	240.00	10.00			3	ANDS	FX			PP		1	3	3	3		R																		
L									4A																												
/		240.00	250.00	10.00				RHYL				EQ		1	1				P					VT	DT			DT		DF							
L									8A																DT												
/		240.00	250.00	10.00			5	ANDS											R																		
L									4A																												
/		250.00	260.00	10.00				RHYL				EQ		1	1				P					VL				DT		DF	DT		LI				
L									8A																DT								CT				
/		250.00	260.00	10.00			5	ANDS				EQ		1	1				R																		
L									4A																												
/		260.00	270.00	10.00				RHYL				EQ		1	1				P					VL	VT			DT		DF							
L									8A																DT		VT										
/		260.00	270.00	10.00			3	ANDS	FX			PP		1	3	1	3		R						00												
L									4A																00												
/		270.00	280.00	10.00				RHYL				EQ		1	1				P					VL	VT			DT	VT	DF			LI				
L									8A																DT		VT						CT				
/		270.00	280.00	10.00			4	ANDS				PP		1	2	=	2		R						00												
L									4A																00												

KEY	FROM	TO	INT	%	ROCK	TM / LC	TX / TX	F / S	C / R	% / S	M / O	RI	QZ / KF	BI / MU	CY / CL	CB / EP	MG / HE	GY / XX	PY / PR	CP / MO	GL / SL	YY
/	280.00	290.00	10.00		RHYL		EQ	1	1			P	VL	VT			DT		DL			
L						8A								DT		VT						
/	280.00	290.00	10.00	6	ANDS							R										
L						4A																
/	290.00	300.00	10.00		RHYL		EQ	1	1			P	VL	DT			DT		DL			
L						8A								DT								
/	290.00	300.00	10.00	3	ANDS	FX	PP	1	3	4	3	R		00								
L						4A								00								
/	300.00	310.00	10.00		RHYL		EQ	1	1			P	VL	DT			DT		DL			
L						8A								DT								
/	300.00	310.00	10.00	3	ANDS							R										
L																						
R	300.00	310.00	NO COARSE SAMPLE																			
/	310.00	320.00	10.00		RHYL		EQ	1	1			P	VL	DT			DT		DL			
L						8A																
/	310.00	320.00	10.00	3	ANDS	FX	PP	1	3	3	3	R		00				VT				LI
L						4A								00								CT
/	320.00	330.00	10.00		RHYL		EQ	1	1			P	VL	DT			DT		DL			
L						8A																
/	320.00	330.00	10.00	3	ANDS							R						VT				
L						4A										VT						
R	320.00	330.00	NO COARSE SAMPLE																			

A UMM A LAB A TYP A MTH				PPM CU MIN-EN PH-CUT PCL-AA	PPM MO MIN-EN PH-CUT PCL-AA	HASH
A 014	20.00	30.00	2246	28	6	34
A 014	30.00	40.00	2247	21	3	24
A 014	40.00	50.00	2248	30	2	32
A 014	50.00	60.00	2249	42	6	48
A 014	60.00	70.00	2250	44	6	50
A 014	70.00	80.00	2251	56	4	60
A 014	80.00	90.00	2252	51	2	53
A 014	90.00	100.00	2253	41	6	47
A 014	100.00	110.00	2254	58	2	60
A 014	110.00	120.00	2255	68	4	72
A 014	120.00	130.00	2256	54	2	56
A 014	130.00	140.00	2257	26	1	27
A 014	140.00	150.00	2258	24	1	25
A 014	150.00	160.00	2259	64	1	65
A 014	160.00	170.00	2260	55	1	56
A 014	170.00	180.00	2261	42	1	43
A 014	180.00	190.00	2262	60	1	61
A 014	190.00	200.00	2263	66	2	68
A 014	200.00	210.00	2264	45	2	47
A 014	210.00	220.00	2265	56	1	57
A 014	220.00	230.00	2266	44	1	45
A 014	230.00	240.00	2267	52	1	53
A 014	240.00	250.00	2268	77	1	78
A 014	250.00	260.00	2269	78	1	79
A 014	260.00	270.00	2270	77	1	78
A 014	270.00	280.00	2271	80	1	81
A 014	280.00	290.00	2272	83	2	85
A 014	290.00	300.00	2273	89	1	90

A UMM				PPM CU	PPM MO	HASH
A 014	300.00	310.00	2274	69	1	70
A 014	310.00	320.00	2275	76	2	78
A 014	320.00	330.00	2276	126	1	127
R ASY	20.00	330.00	AVE CU 57 PPM			
R ASY	20.00	330.00	AVE MO 2 PPM			

			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	30.00	60.00	34	113	2.0	5	154.0
A 014	60.00	90.00	18	87	1.4	5	111.4
A 014	90.00	120.00	96	286	1.9	10	393.9
A 014	120.00	150.00	225	662	2.5	5	894.5
A 014	150.00	180.00	61	215	1.4	10	287.4
A 014	180.00	210.00	38	148	1.0	5	192.0
A 014	210.00	240.00	27	124	.9	5	156.9
A 014	240.00	270.00	36	123	1.0	5	165.0
A 014	270.00	300.00	26	105	1.2	5	137.2
A 014	300.00	330.00	21	88	1.0	5	115.0

R SUM VOLC IS RHYL AND RHYD WITH INTERSPERSED ANDS UNITS.

R SUM THIS ANDS MAY ALSO BE CONTAMINATION OF SAMPLE.

R SUM TRACE MO AND CC PRESENT, MOST OF THE PY IS DISSEMINATED IN

R SUM THE RHYL, RHYD AND IN QZ VEINS, THE MU AND BI ARE FOUND IN

R SUM THE RHYL AND RHYD, NONE WAS SEEN IN THE ANDS.

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                                    G E O L O G   E D I T   L I S T I N G                    SYSTEMS ENGINEERING BY
                                                                                         INTERNATIONAL GEOSYSTEMS CORP.

                                       SASKATCHEWAN MINING DEV. CORP.
                                     WHITING CK PORPHYRY MO CU DEPOSIT

                                           FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH030        COLLAR ELEVATION:      1058.00        AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :    70.00       NORTHING(- IF S):      -460.00        VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810727
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      2140.00        CO-ORD SYSTEM  :    MAP         PROJECT NUMBER :    4942

R HED                           PDH 30, JULY 27, 1981.

   F    - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL FP HE XX PR MO SL
E  L                          QUAL   AGE EN- Q LC- 3      3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                          DESIG      VIR   COL             R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2


/ OVB     0.00    10.00   10.00             OVER                                P
L
R         0.00     0.00             NO BEDROCK WAS INTERSECTED IN PDH 30.
R         0.00    10.00         NO SAMPLE TAKEN

/ BRS    10.00    20.00   10.00             ANDS FX       PP    1 2 4 2         P                     VL       VT       DL        LI
L                                                4A                                                            DT       CT
R        10.00    20.00         PY IS DISSEMINATED IN QZ VEINS

/        20.00    30.00   10.00             ANDS FX       EQ    1 1 4 2         P                     VL       VT       DL        LI
L                                                4A

/        30.00    40.00   10.00             ANDS FX       PP    1 3 6 3         P                     VL       VT       D7 LD T   LI
L                                                4A                                                                        V T

/        40.00    50.00   10.00             ANDS FX       EQ    1 1 4 2         P                     VL       00       DL        LI
L                                                4A                                                                        0 0

/        50.00    60.00   10.00             ANDS FX       PP    1 3 4 3         P                     VL                 6 L       LI
L                                                4A                                                            VT         D T

/        60.00    70.00   10.00             ANDS FX       PP    1 3 4 3         P                     VL                 6 L       LI
L                                                4A                                                            VT         D T
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A UNM				PPM CU	PPM MO	HASH
A LAB				MIN-EN	MIN-EN	
A TYP				PH-CUT	PH-CUT	
A MTH				PCL-AA	PCL-AA	
A 014	10.00	20.00	2277	67	2	69
A 014	20.00	30.00	2278	200	14	214
A 014	30.00	40.00	2279	240	6	246
A 014	40.00	50.00	2280	200	10	210
A 014	50.00	60.00	2281	260	5	265
A 014	60.00	70.00	2282	260	12	272
R ASY	10.00	70.00	AVE CU 205 PPM			
R ASY	10.00	70.00	AVE MO 8 PPM			

			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	ADR-AA	
A 014	10.00	40.00	26	84	1.4	10	121.4
A 014	40.00	70.00	24	78	1.9	5	108.9

R SUM ANDS VOLC WITH DISSEMINATED PY, QZ VEINS WITH PY, PR, CP,

R SUM PRESENT AND ARE OFTEN TARNISHED WITH LIMONITE.

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                              G E O L O G   E D I T   L I S T I N G                          SYSTEMS ENGINEERING BY
                                                                                           INTERNATIONAL GEOSYSTEMS CORP.

                                  SASKATCHEWAN MINING DEV. CORP.
                                 WHITING CK PORPHYRY MO-CU DEPOSIT

                                        FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH031        COLLAR ELEVATION:      1058.00        AZIMUTH( DEG ) :    0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  270.00        NORTHING(- IF S):      -800.00        VERTICAL ANGLE :  -90.00       DATE (YY/MM/DD): 810728
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      2040.00        CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :   4942

R HED                         PDH 31, JULY 28, 1981.

   F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I       TH TH MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 OM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM      RT     TM OM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- O LC- 3        3  4 O N H /  M       2   AZM  RT H  H  H  H  H  H  H  H  H  H    1  1
Y  G                         DESIG      VIR   COL               R O P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2  2

/ OVB    0.00   10.00  10.00            OVER                               P
L
R        0.00   10.00       NO SAMPLE TAKEN

/ BRS   10.00   20.00  10.00            ANDS FX BI     PP EQ 1 3 4 3       P                VT                 VT
L                                             6A                   O                                 VT
R       10.00   20.00       NO HEAVY SAMPLE, TRACE PY IN QZ VEINS

/       20.00   30.00  10.00            VOLC FX BI     PP EQ 1 3 7 3       P                VT                 VT
L
R       20.00   30.00       NO HEAVY SAMPLE, SOME OVB PEBBLES PRESENT

/       30.00   40.00  10.00            ANDS FX BI     EQ EQ 1 1 4 3       P                VT                 VT       LI
L                                             4A                                                                        TT
R       30.00   40.00       VERY LITTLE SULPHIDE MINERALIZATION

/       40.00   50.00  10.00            ANDS           EQ    1 1           P                VF                 VN       LI
L                                             4A                                                     VF                 TT

/       50.00   60.00  10.00            ANDS           EQ    1 1           P                VF       VT        VN       LI
L                                             4A                                                     VF                 TT

/       60.00   70.00  10.00            ANDS           EQ    1 1           P                VF                 VT
L                                                                                                    VF

/       70.00   80.00  10.00            ANDS           EQ    1 1           P                VT                 6T
L                                             4A                                                     VT

/       80.00   90.00  10.00            ANDS           EQ    1 1           P                VT       VT        6T
L                                             4A                                                     VT
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                                                      SASKATCHEWAN MINING DEV. CORP.
G E O L O G                                        WHITING CK PORPHYRY MO-CU DEPOSIT                                          PAGE -  2
                                              DRILLHOLE/TRAVERSE ---  WCPH031 --- (CONTINUED)

K  F  F R O M - T O - I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S R S D SML       2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/       90.00  100.00  10.00            ANDS           EQ    1 1           P               VT                VT
L                                            4A                                                     VT

/      100.00  110.00  10.00            ANDS           EQ    1 1           P               VL       VT
L                                            4A                                                      V L

/      110.00  120.00  10.00            ANDS           EQ    1 1           P               VL       VT       6L
L                                            4A                                                      V L

/      110.00  120.00  10.00          3 VOLC           EQ    1 1           R
L                                            7A
R      110.00  120.00      PY DISSEMINATED IN QZ VEINS AND VOLC

/      120.00  130.00  10.00            ANDS           EQ    1 1           P               VB       VT       DT DT
L                                            4A                                                     VB

/      130.00  140.00  10.00            ANDS           EQ    1 1           P               VB       VT       DT 00
L                                            4A                                                     VB

/      140.00  150.00  10.00            ANDS           EQ    1 1           P               VB       VT       DT DT
L                                            4A                                                     VB

/      150.00  160.00  10.00            ANDS FX        PP    1 3 4 2       P               VB       VT       DT 6T
L                                            4A                                                     VB
R      150.00  160.00      PY IN QZ VEINS AND DISSEMINATED IN ANDS .

/      160.00  170.00  10.00            ANDS FX        PP    1 3 4 3       P               VB       VT       DT DT
L                                            4A

/      170.00  180.00  10.00            ANDS FX        PP    1 3 5 3       P               VB       VT       DT DT
L                                            4A

/      170.00  180.00  10.00          / VOLC           EQ    1 1           R
L                                            7A                                               DT

/      180.00  190.00  10.00            ANDS FX        PP    1 3 3 1       P               VL       VT       6L
L                                            4A                    0                                VL
R      180.00  190.00      NO COARSE SAMPLE PY IN QZ VEINS

/      190.00  200.00  10.00            ANDS FX        PP    1 3 3 1       P               VF       VT       6L
L                                            4A                                                     VF

/      200.00  210.00  10.00            ANDS FX        PP    1 3 5 3       P               VF       VT       6L
L                                            4A                                                     VF

/      210.00  220.00  10.00            ANDS FX        PP    1 2 4 2       P               VF       VT       6L
L                                            4A                                                     VF

/      210.00  220.00  10.00          / VOLC           EQ    1 1           R                                 DT
L                                            7A
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```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CR MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML       2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/      220.00  230.00  10.00             ANDS FX        PP    1 3 3 3       P               VF       VT       6L
L                                             4A                                                     VF

/      220.00  230.00  10.00           / VOLC           EQ    1 1           R                                 DT
L                                             7A

/      230.00  240.00  10.00             ANDS FX        PP    1 3 5 3       P               VF       VT       6T
L                                             4A                                                     VF

/      240.00  250.00  10.00             ANDS FX        PP    1 3 6 3       P               VF       VT       6L
L                                             4A                                                     VF

/      240.00  250.00  10.00           / VOLC FX BI        EQ E Q 2 2       R
L                                             6A

/      250.00  260.00  10.00             ANDS FX        PP    1 3 5 3       P               VF       VT       6T
L                                             4A                                                     VF
R      250.00  260.00      PY IN QZ VEINS AND ANDS.

/      260.00  270.00  10.00             ANDS FX        PP    1 3 5 3       P               VF       VT       6T
L                                             4A
```

A UMM A LAB A MTH				PPM CU MIN-EN PCL-AA	PPM MO MIN-EN PCL-AA	HASH
A 014	10.00	20.00	2283	83	1	84
A 014	20.00	30.00	2284	117	2	119
A 014	30.00	40.00	2285	300	1	301
A 014	40.00	50.00	2286	340	1	341
A 014	50.00	60.00	2287	160	1	161
A 014	60.00	70.00	2288	134	1	135
A 014	70.00	80.00	2289	82	2	84
A 014	80.00	90.00	2290	117	1	118
A 014	90.00	100.00	2291	73	1	74
A 014	100.00	110.00	2292	98	1	99
A 014	110.00	120.00	2293	184	1	185
A 014	120.00	130.00	2294	178	1	179
A 014	130.00	140.00	2295	70	2	72
A 014	140.00	150.00	2290	76	1	77
A 014	150.00	160.00	2297	62	2	64
A 014	160.00	170.00	2298	89	1	90
A 014	170.00	180.00	2299	75	2	77
A 014	180.00	190.00	2300	118	1	119
A 014	190.00	200.00	2301	69	2	71
A 014	200.00	210.00	2302	69	1	70
A 014	210.00	220.00	2303	68	3	71
A 014	220.00	230.00	2304	54	2	56
A 014	230.00	240.00	2305	46	1	47
A 014	240.00	250.00	2306	43	1	44
A 014	250.00	260.00	2307	36	1	37
A 014	260.00	270.00	2308	30	2	32
R ASY	10.00	270.00	AVE CU 107 PPM			
R ASY	10.00	270.00	AVE MO 1 PPM			

			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	10.00	40.00	19	201	1.6	5	226.6
A 014	40.00	70.00	17	158	1.7	5	181.7
A 014	70.00	100.00	27	182	2.1	5	216.1
A 014	100.00	130.00	34	263	2.0	55	354.0
A 014	130.00	160.00	28	146	1.8	15	190.8
A 014	160.00	190.00	36	132	1.8	5	174.8
A 014	190.00	220.00	31	126	2.0	15	174.0
A 014	220.00	250.00	32	154	1.6	10	197.6
A 014	250.00	270.00	26	146	1.5	5	178.5

R SUM ANDS WITH QZ-EP AND CB VEINS. PY NOT AS ABUNDANT AS IN

R SUM PREVIOUS HOLES. PY DISSEMINATED IN THE QZ-EP VEINS BUT VERY

R SUM LITTLE OCCURS IN THE ANDS.

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                                                   G E O L O G   E D I T   L I S T I N G                 SYSTEMS ENGINEERING BY
                                                                                                       INTERNATIONAL GEOSYSTEMS CORP.

                                                      SASKATCHEWAN MINING DEV. CORP.
                                                     WHITING CK PORPHYRY MO CU DEPOSIT

                                                          FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : NCPH032        COLLAR ELEVATION:         0.00         AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  150.00        NORTHING(- IF S):         0.00         VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810729
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):         0.00         CO-ORD SYSTEM  :    MAP         PROJECT NUMBER :    4942

R HED                            PDH 32, JULY 29, 1981.

   F   - I N T E R V A L -    CORE  T- X       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   ,  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MI=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                          ROCK   FM     RT   TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                          QUAL   AGE EN- Q LC- 3      3  4 O N H /  M      2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                          DESIG      VIR   COL            R D P C   L         STRUCTUR-2  A  A  A  A  A  A  A  A  A  A     2   2


/ OVB     0.00   10.00  10.00                 OVER                                 P
L
R         0.00   10.00       NO SAMPLE TAKEN

/ BRS    10.00   20.00  10.00                 ANDS FX         PP     1 3 3 3       P               VT          DT    VL
L                                                  4A                      0
R        10.00   20.00       VERY LITTLE HEAVY SAMPLE MG FOUND IN HEAVIES.

/        20.00   30.00  10.00                 ANDS FX         PP     1 4 2 4       P               VT          VT    VL DN
L                                                  4A                      0
R        20.00   30.00       MG IN QZ VEINS, VERY LITTLE HEAVY SAMPLE
R        20.00   30.00       PY IN QZ VEINS

/        30.00   40.00  10.00                 ANDS FX         PP     1 4 2 4       P               VT          DT    DT
L                                                  4A                      0

/        30.00   40.00  10.00               / VOLC            EQ     1 1           R                           6L    DT
L                                                  6A
R        30.00   40.00       NO HEAVIES

/        40.00   50.00  10.00                 ANDS FX         PP     1 4 3 4       P               VT       VT DT    6T
L                                                  4A                      0                                VT
R        40.00   50.00       PY, MG IN HEAVIES VERY LITTLE HEAVY SAMPLE

/        50.00   60.00  10.00                 ANDS FX         PP     1 4 3 4       P               VL          VT
L                                                  4A                      0                                VT
R        50.00   60.00       NO HEAVY SAMPLE; MG IN QZ VEIN FRAGMENTS

/        60.00   70.00  10.00                 ANDS FX         PP     1 4 3 4       P               VL       VT VT             LI
L                                                  4A                      0                                00                TT
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K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM OM1 TX TX F C % M TFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                          R Q D  AGE EV RO LC TM OM2 TX TX S R S O SML      2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       60.00   70.00     VERY LITTLE HEAVY SAMPLE

/       70.00   80.00  10.00             ANDS FX        PP    1 4 2 4       P               VL          VT            00
L                                             4A                  O                            VT
R       70.00   80.00     NO HEAVY SAMPLE QZ-MG VEIN FRAGMENTS COMPRISE 30% OF SAMPLE.

/       80.00   90.00  10.00             HORN FX        EQ    1 1 3 4       P               VF          VL    DT      LI
L                                             7A
R       80.00   90.00     PY MG IN QZ VEINS; HORN IS A VOLCANIC OF ANDS COMPOSITION.

/       90.00  100.00  10.00             ANDS           EQ    1 1           P               VF       VT DL    6L       L I
L                                             4A

/       90.00  100.00  10.00           3 GRDR BI CY     GR    1 3 4 3       R
L                                             6A
R       90.00  100.00     MG, PY IN QZ VEINS
R       90.00  100.00     ALTERED SOMETHING

/      100.00  110.00  10.00             ANDS FX        PP    1 3 3 3       P               VF       VT DL    6L       L I
L                                             4A                                               VT                      C   T

/      100.00  110.00  10.00           3 GRDR BI CY     EQ    4 4 5 4       R
L                                                                 C
R      100.00  110.00     NO HEAVY SAMPLE
R      100.00  110.00     SAME INTERVAL AS AT END OF LAST PAGE
R      100.00  110.00     BI ROCK SAME AS IN INTERVAL 90 TO 100.

/      110.00  120.00  10.00             VOLC           EQ    1 1           P               VL          6L    6L DT   LI
L                                             7A                                               VT                     TT
R      110.00  120.00     CHERTY, APHANETIC TEXTURE, MG, PY, TRACE CPY IN HEAVIES AND IN
R      110.00  120.00     QZ VEINS.

/      120.00  130.00  10.00             ANDS FX        PP    1 2 3 2       P               VT          6L    6L      LI
L                                             4A                                               VT                     TT

/      120.00  130.00  10.00           5 VOLC           EQ    1 1           R
L                                             7A
R      120.00  130.00     MINERALIZATION IN VOLC, QZ VEINS ONLY.

/      130.00  140.00  10.00             ANDS FX        PP    1 2 3 2       P               VL    DT    6L              LI
L                                             4A                                                                      TT
R      130.00  140.00     PY, MG IN QZ VEINS AND IN ANDS

/      140.00  150.00  10.00             ANDS FX        PP    1 2 3 2       P               VL    DT    6L              LI
L                                             4A
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A	UMM				PPM CU	PPM MO	HASH
A	LAB				MIN-EN	MIN-EN	
A	TYP				PM-CUT	PM-CUT	
A	MTH				PCL-AA	PCL-AA	
A	014	10.00	20.00	2309	59	2	61
A	014	20.00	30.00	2310	30	1	31
A	014	30.00	40.00	2311	28	1	29
A	014	40.00	50.00	2312	17	2	19
A	014	50.00	60.00	2313	19	2	21
A	014	60.00	70.00	2314	14	1	15
A	014	70.00	80.00	2315	16	1	17
A	014	80.00	90.00	2316	30	2	32
A	014	90.00	100.00	2317	62	1	63
A	014	100.00	110.00	2318	62	3	65
A	014	110.00	120.00	2319	23	2	25
A	014	120.00	130.00	2320	15	2	17
A	014	130.00	140.00	2321	30	1	31
A	014	140.00	150.00	2322	16	1	17
R	ASY	10.00	150.00	AVE CU 30 PPM			
R	ASY	10.00	150.00	AVE MO 2 PPM			

			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	10.00	40.00	13	221	1.7	10	245.7
A 014	40.00	70.00	24	149	1.2	10	184.2
A 014	70.00	100.00	246	1060	2.6	20	1328.6
A 014	100.00	130.00	96	520	2.0	5	623.0
A 014	130.00	150.00	135	1040	2.8	30	1207.8

R SUM ANDS VOLCANIC WITH VERY LITTLE MINERALIZATION PY, MG OCCUR

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                               G E O L O G   E D I T   L I S T I N G                         SYSTEMS ENGINEERING BY
                                                                                        INTERNATIONAL GEOSYSTEMS CORP.

                                          SASKATCHEWAN MINING DEV. CORP.
                                        WHITING CK PORPHYRY MO-CU DEPOSIT

                                              FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH033        COLLAR ELEVATION:      1170.00      AZIMUTH( DEG ) :    0.00      GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  110.00        NORTHING(- IF S):      -135.00      VERTICAL ANGLE :  -90.00      DATE (YY/MM/DD): 810729
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      1680.00      CO-ORD SYSTEM  :   MAP        PROJECT NUMBER :   4942

R HED                        PDH 33, JULY 29, 1981.

  F   - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY   O I      TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                         ROCK   FM    RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                         QUAL   AGE EN- Q LC- 3     3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1  1
Y  G                         DESIG      VIR   COL          R O P C   L          STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2  2


/ OVB    0.00   10.00  10.00            OVER                    P
L
R        0.00   10.00      NO SAMPLE TAKEN

/ BRS   10.00   20.00  10.00            ANDS FX      PP    1 4 4 4        P                 VT VT    VT DT    DT
L                                            4A                  O
R       10.00   20.00      NO HEAVY SAMPLE

/       20.00   30.00  10.00            ANDS FX      EQ    1 1 4 4        P                 VT VT    VT DT    DT
L                                            4A
R       20.00   30.00      NO HEAVY SAMPLE

/       30.00   40.00  10.00            ANDS FX      EQ    1 1 4 4        P                 VT VT    VT DT    DT
L                                            4A

/       40.00   50.00  10.00            ANDS FX      EQ    1 1 4 4        P                 VT VT    VT DT    DT
L                                            4A

/       50.00   60.00  10.00            ANDS         EQ    1 1            P                 VT       VT 6T    6T
L                                            6A

/       60.00   70.00  10.00            ANDS         EQ    1 1            P                 VF       VT 6T    6T          LI
L                                            4A                                                      VT                   CT

/       70.00   80.00  10.00            ANDS         EQ    1 1            P                 VT    DT VT 6T    6T
L                                            6A

/       80.00   90.00  10.00            ANDS         EQ    1 1            P                 VT       VT 6T    6T          OO
L                                            5A                                                      VT                   CT
```

```
K  F   F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R Q D  AGE EV RQ LC TM QM2 TX TX S R S O SML         2 ID AZM DIP KF MU CL EP HE XX PR MO SL

/        90.00  100.00  10.00              ANDS          EQ    1 1           P                 VT       VT 6T    6D N
L                                               4A
R        90.00  100.00     NO HEAVY SAMPLE

/       100.00  110.00  10.00              ANDS          EQ    1 1           P                 VT       VT 6T    6T
L                                               4A
```

A UMM				PPM CU	PPM MO	HASH
A LAB				MIN-EN	MIN-EN	
A TYP				PM-CUT	PM-CUT	
A MTH				PCL-AA	PCL-AA	
A 014	10.00	20.00	2323	76	2	78
A 014	20.00	30.00	2324	34	1	35
A 014	30.00	40.00	2325	26	1	27
A 014	40.00	50.00	2326	18	1	19
A 014	50.00	60.00	2327	16	2	18
A 014	60.00	70.00	2328	15	1	16
A 014	70.00	80.00	2329	18	1	19
A 014	80.00	90.00	2330	30	1	31
A 014	90.00	100.00	2332	29	2	31
A 014	100.00	110.00	2333	26	1	27
R ASY	10.00	110.00	AVE CU 29 PPM			
R ASY	10.00	110.00	AVE MO 1 PPM			

A UNM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	20.00	50.00	18	106	1.0	5	130.0
A 014	50.00	80.00	13	100	.8	5	118.8
A 014	80.00	110.00	12	115	1.0	5	133.0

R SUM ANDS WITH VERY LITTLE MINERALIZATION.

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                                  G E O L O G   E D I T   L I S T I N G                        SYSTEMS ENGINEERING BY
                                                                                           INTERNATIONAL GEOSYSTEMS CORP.

                                         SASKATCHEWAN MINING DEV. CORP.
                                       WHITING CK PORPHYRY MO-CU DEPOSIT

                                              FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH034        COLLAR ELEVATION:      1096.00        AZIMUTH( DEG ) :     0.00       GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :    60.00       NORTHING(- IF S):      -315.00        VERTICAL ANGLE :   -90.00       DATE (YY/MM/DD): 810729
CORE/HOLE DIAMETER :       IN       EASTING (- IF W):      2175.00        CO-ORD SYSTEM  :     MAP        PROJECT NUMBER :   4942

R HED                    PDH 34, JULY 29, 1981.

R HED                    PDH 34 DID NOT INTERSECT BEDROCK

   F   - I N T E R V A L -    CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MT=METRIC FT=FOOTRIC)  ERY    O I      TM TM MAT TX TX F C % M DEN   /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T ( . )   D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CR MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FM      RT    TM QM2 TX TX S R S O S         T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                        QUAL   AGE EN- Q LC- 3       3  4 O N H /  M        2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                        DESIG      VIR   COL              R D P C   L         STRUCTUR-2 A  A  A  A  A  A  A  A  A  A    2   2

/ OVB     0.00    20.00   20.00           OVER                                  P
R         0.00    20.00      NO SAMPLE TAKEN

/ OVB    20.00    30.00   10.00           OVER                                  P
L

/ OVB    30.00    40.00   10.00           OVER                                  P
L

/ BRS    40.00    50.00   10.00           ANDS           EQ    1 1              P                         DT    DN
L                                              5A
R        40.00    50.00      OVER HALF THIS SAMPLE IS OVER
R        40.00    50.00      MG, PY IN HEAVIES.

/        50.00    60.00   10.00           ANDS           EQ    1 1              P                         DT    DN
L                                              4A
R        50.00    60.00      MG, PY IN HEAVIES

R SUM                    A VERY SHORT HOLE: SAMPLES VERY CONTAMINATED WITH OVER
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GEOLOG EDIT LISTING

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6802

```
DRILLHOLE/TRAVERSE : WCPH035        COLLAR ELEVATION:    1005.00     AZIMUTH( DEG ) :    0.00     GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  120.00        NORTHING(- IF S):    -840.00     VERTICAL ANGLE :  -90.00     DATE (YY/MM/DD): 810730
CORE/HOLE DIAMETER :      IN        EASTING (- IF W):    1620.00     CO-ORD SYSTEM  :   MAP       PROJECT NUMBER :   4942

R HED                       WCPH035 COMMENCED DRILLING ON 30 JUL., COMPLETED ON 30 JULY.

  F   - I N T E R V A L -   CORE  T- %      TYPI- QAL  TEX-  GRAIN TOTAL PGI    STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =   .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
F  A  (MI=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI    1    AZM  RT QZ BI CY CB MG GY PY CP GL YY   F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FM      RT     TM QM2 TX TX S R S O S         T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                        QUAL   AGE EN- Q LC- 3      3  4 O N H /  M          2   AZM  RT H  H  H  H  H  H  H  H  H  H    1'  1
Y  G                        DESIG      VIR   COL             R D P C   L         STRUCTUR-2  A  A  A  A  A  A  A  A  A  A     2   2

R        0.00  120.00      NO BEDROCK WAS INTERSECTED IN PDH 35.
R       50.00  120.00      7 OVER SAMPLES WERE COLLECTED FOR ASSAY.
```

A UMM				PPM CU	PPM MO
A LAB				MIN-EN	MIN-EN
A TYP				PH-CUT	PH-CUT
A MTH				PCL-AA	PCL-AA
A 014	60.00	70.00	2338	23	2
A 014	70.00	80.00	2339	18	1
A 014	80.00	90.00	2340	21	1
A 014	90.00	100.00	2341	24	1
A 014	100.00	110.00	2342	19	1
A 014	110.00	120.00	2343	23	1
R ASY	60.00	120.00	AVE. CU 21 PPM ; AVE. MO 1 PPM .		

A UMM				PPM PB	PPM ZN	PPM AG	PPB AU	
A LAB				MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP				COMPOS	COMPOS	COMPOS	COMPOS	
A MTH				PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	80.00	110.00		20	81	.7	15	116.7
R ASY	60.00	80.00	NO COMPOSITES					
R ASY	110.00	120.00	NO COMPOSITES					

G E O L O G   E D I T   L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT

FORMAT VERSION : 6802

```
DRILLHOLE/TRAVERSE : WCPH036      COLLAR ELEVATION:     992.00      AZIMUTH( DEG ) :    0.00      GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  120.00      NORTHING(- IF S):    -830.00      VERTICAL ANGLE :  -90.00      DATE (YY/MM/DD): 810802
CORE/HOLE DIAMETER :      IN      EASTING (- IF W):    1723.00      CO-ORD SYSTEM  :   MAP        PROJECT NUMBER :   4942

R HED                  WCPH036 COMMENCED ON 2 AUG. 1981, COMPLETED ON 2 AUG.

  F   - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGT   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =   . DEC.PLACE)RECOV-  M M ROCK FYING MIN THRES CHARACS FRAC                  H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (M1=METRIC FT=FOOTRIC)  ERY    O T       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T ( . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K  F                        ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL FP HE XX PR MO SL
E  L                        QUAL   AGE EN- Q LC- 3      3  4 D N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y  G                        DESIG      VIR   COL             R D P C   L        STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2

R        0.00  120.00      NO BEDROCK WAS INTERSECTED IN PDH 36, NO SAMPLE WAS COLLECTED
R        0.00  120.00      FOR ANALYSIS.
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                                       G E O L O G   E D I T   L I S T I N G                                   SYSTEMS ENGINEERING BY
                                                                                                           INTERNATIONAL GEOSYSTEMS CORP.

                                            SASKATCHEWAN MINING DEV. CORP.
                                          WHITING CK PORPHYRY MO-CU DEPOSIT BC

                                                   FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH037         COLLAR ELEVATION:      1009.00         AZIMUTH( DEG ) :    0.00       GEOLOGGED BY : RTK +
TOTAL DEPTH/LENGTH :  290.00         NORTHING(- IF S):      -815.00         VERTICAL ANGLE :  -90.00       DATE (YY/MM/DD): 810805
CORE/HOLE DIAMETER :      IN         EASTING (- IF W):      1240.00         CO-ORD SYSTEM  :   MAP         PROJECT NUMBER :    4942

R HED                          PDH 37, AUG. 05, 1981.

  F    - I N T E R V A L -    CORE  T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGI   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K  L (UNITS =    . DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                   H  H  H  H  H ANY H  H  H ANY  ALT ORE
E  A  (MI=METRIC FT=FOOTRIC)  ERY    O I       TM TM MAT TX TX F C X M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y  G  F R O M - T O -  I N T (  . )  D X TYPE  1  2 QM1  1  2 F F C A    MI   1     AZM  RT QZ BI CY CB MG GY PY CP GL YY   F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
K  F                          ROCK   FM     RT     TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E  L                          QUAL   AGE EN- U LC- 3       3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H    1   1
Y  G                          DESIG      VIR   COL             R D P C    L          STRUCTUR-2  A  A  A  A  A  A  A  A  A  A    2   2

/ OVB     0.00   50.00  50.00              OVER                            P
L
R         0.00   50.00      NO SAMPLE TAKEN

/ BRS    50.00   60.00  10.00             ANDS BI FX QZ  PP    1 3 3 5      P                   VT        VT VL     DL
L                                              4G
R        50.00   60.00      OVER CONTAMINATION PRESENT
R        50.00   60.00      MG DISSEMINATED IN QZ VEINS

/        60.00   70.00  10.00             ANDS BI FX QZ  PP    1 3 3 5      P                   VT        VT VL     DL
L                                              4G

/        70.00   80.00  10.00             ANDS BI FX QZ  PP    1 3 3 5      P                   VT        VT 00     DL
L                                              4G
R        70.00   80.00      NO HEAVY SAMPLE

/        80.00   90.00  10.00             ANDS BI FX QZ  PP    1 3 3 5      P                   VT        VT VL     DL
L                                              4G
R        80.00   90.00      NO HEAVY SAMPLE

/        90.00  100.00  10.00             ANDS BI FX     PP EQ 1 3 7 5      P                   VL        7T 7T     7L
L                                              4G
R        90.00  100.00      PY IN QZDI AND DISSEMINATED IN QZ VEINS

/       100.00  110.00  10.00             ANDS BI FX     PP EQ 1 3 3 4      P                   VL        7T 7T     7L
L                                              4G
R       100.00  110.00      SAMPLE IS GLUED IN 110 TO 120 FT INTERVAL SPACE
R       100.00  110.00      NO HEAVY SAMPLE

/       110.00  120.00  10.00             ANDS BI FX     EQ EQ 1 1 7 5      P                   VL        7T 7T     7L
L                                              3G
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SASKATCHEWAN MINING DEV. CORP.
WHITING CK PORPHYRY MO-CU DEPOSIT BC
DRILLHOLE/TRAVERSE --- WCPH037 --- (CONTINUED)

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM OM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY   F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --   - - - -
Y  G                         R O D  AGE EV RQ LC TM OM2 TX TX S R S O SML        2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/      110.00  120.00  10.00           2 ANDS BI FX     PP    1 2 3 4       R               VT
L                                             4G
R      110.00  120.00      SAMPLE IS GLUED IN 100 TO 110 FT INTERVAL SPACE
R      110.00  120.00      APHANETIC VOLC OF ANDS COMP

/      120.00  130.00  10.00             ANDS BI FX QZ  PP EQ 1 3 4 5       P               VL       VT DT    8L
L                                             4G

/      120.00  130.00  10.00           3 BASL           EQ    1 1           R
L                                             2A

/      130.00  140.00  10.00             ANDS           EQ    1 1           P               VL       VT       7L       LI
L                                             3A                                                                       TT

/      130.00  140.00  10.00           5 ANDS BI FX     PP    1 3 2 4       R
L                                             4G                    0
R      130.00  140.00      APHANETIC ANDS
R      130.00  140.00      INTERVAL CONTAINS THE B< PORPHYRITIC ANDS AND A DARKER APHANETIC
R      130.00  140.00      ANDS.

/      140.00  150.00  10.00             ANDS           EQ    1 1           P               VL       VT 7T    7T
L                                             4A
R      140.00  150.00      PY IN ANDS AND IN THE QZ VEINS

/      150.00  160.00  10.00             ANDS BI FX     PP    1 3 3 4       P               VL       VT 7T    7L
L                                             4G                    0

/      150.00  160.00  10.00           7 ANDS           EQ    1 1           R
L                                             3A
R      150.00  160.00      PY IN ANDS, VEINS AND DISSEMINATED IN QZ VEINS.

/      160.00  170.00  10.00             ANDS BI FX     PP    1 3 3 5       P               VT       VT       DL
L                                             4G                    0

/      160.00  170.00  10.00           5 ANDS           EQ    1 1           R                                 6L
L                                             4A

/      170.00  180.00  10.00             ANDS BI FX     PP PP 1 3 4 5       P               VF       VF       7F
L                                             5G                    0

/      170.00  180.00  10.00           3 ANDS           EQ    1 1           R
L                                             4A
R      170.00  180.00      PY IN ANDS AND QZ VEINS

/      180.00  190.00  10.00             ANDS           EQ    1 1           P               VF       VF       7L
L                                             4A

/      180.00  190.00  10.00           7 ANDS BI FX     PP    1 3 3 4       R
L                                             6G

/      190.00  200.00  10.00             ANDS           EQ    1 1           P               VM       VF       6F
L                                             3A
```

K	F	F R O M	- T O -	I N T	RECOV	MD %	ROCK	FM	TM	QM1	TX	TX	F	C	%	M	TFOM	RI	1	ID	AZM	DIP	QZ	BI	CY	CB	MG	GY	PY	CP	GL	YY	F I Z T
E	-L-																																
Y	G				R Q D	AGE	EV RQ	LC	TM	QM2	TX	TX	S	R	S	O	SML		2	ID	AZM	DIP	KF	MU	CL	EP	HE	XX	PR	MO	SL		
R		190.00	200.00		PY DISSEMINATED IN QZ VEINS.																												
/		200.00	210.00	10.00			ANDS				EQ		1	1				P															
L								4A																									
/		210.00	220.00	10.00			ANDS				EQ		1	1				P					VB			VF			6F				
L								4A																									
/		210.00	220.00	10.00		3	ANDS	BI	FX		PP		1	2	3	3		R															
L								4G																									
R		210.00	220.00		PY IN QZ VEINS AND IN ANDS																												
/		220.00	230.00	10.00			ANDS				EQ		1	1				P					VB			VF			8F				
L								4A																									
/		230.00	240.00	10.00			ANDS				EQ		1	1				P					VB			VF			6F				
L								3A																									
/		230.00	240.00	10.00		3	ANDS	BI	FX		PP		1	3	3	4		R															
L								4G																									
R		230.00	240.00		MG IN HEAVY SAMPLE TRACE CP IN HEAVIES ALSO																												
/		240.00	250.00	10.00			ANDS				EQ		1	1				P					VB			VF			6F			LI	
L								3A																								CT	
R		240.00	250.00		PY IN QZ VEINS																												
/		250.00	260.00	10.00			ANDS				EQ		1	1				P					VB			VL			6F				
L								5A																									
/		250.00	260.00	10.00		3	ANDS	BI	FX		PP		1	3	3	5		R															
L								4G																									
R		250.00	260.00		PY IN QZ VEINS																												
/		260.00	270.00	10.00			ANDS				EQ		1	1				P					VB			VL			6F				
L								5A																									
/		270.00	280.00	10.00			ANDS				EQ		1	1				P					VB			VL			6F				
L								5A																									
R		270.00	280.00		MG IN HEAVIES																												
/		280.00	290.00	10.00			ANDS				EQ		1	1				P					VL			VL			6F				
L								5A																									
/		280.00	290.00	10.00		2	ANDS	BI	FX		PP		1	3	3	4		R															
L								4G																									

A UMM A LAB A TYP A MTH				PPM MIN- PH-C PCL-	CUPPM ENMIN- UTPH-C AAPCL-	MO EN UT AA	HASH
A 014	50.00	60.00	2344	45	1		46
A 014	60.00	70.00	2345	55	2		57
A 014	70.00	80.00	2346	42	1		43
A 014	80.00	90.00	2347	40	1		41
A 014	90.00	100.00	2348	35	1		36
A 014	100.00	110.00	2349	43	1		44
A 014	110.00	120.00	2350	35	1		36
A 014	120.00	130.00	2351	40	1		41
A 014	130.00	140.00	2352	26	1		27
A 014	140.00	150.00	2353	42	1		43
A 014	150.00	160.00	2354	35	2		37
A 014	160.00	170.00	2355	50	2		52
A 014	170.00	180.00	2356	230	1		231
A 014	180.00	190.00	2357	1410	1		1411
A 014	190.00	200.00	2358	270	1		271
A 014	200.00	210.00	2359	123	1		124
A 014	210.00	220.00	2360	92	1		93
A 014	220.00	230.00	2361	77	1		78
A 014	230.00	240.00	2362	51	1		52
A 014	240.00	250.00	2363	68	1		69
A 014	250.00	260.00	2364	57	2		59
A 014	260.00	270.00	2365	62	1		63
A 014	270.00	280.00	2366	50	1		51
A 014	280.00	290.00	2395	74	2		
R ASY	50.00	280.00	AVE. CU=129 PPM ; AVE. MO=1 PPM .				

A UMM			PPM PB	PPM ZN	PPM AG	PPB AU	HASH
A LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN	
A TYP			COMPOS	COMPOS	COMPOS	COMPOS	
A MTH			PCL-AA	PCL-AA	PCL-AA	AQR-AA	
A 014	50.00	70.00	33	120	.9	20	173.9
A 014	70.00	100.00	36	72	.8	5	113.8
A 014	100.00	130.00	21	149	.9	10	180.9
A 014	130.00	160.00	17	141	.8	25	183.8
A 014	160.00	190.00	36	201	3.2	55	205.2
A 014	190.00	220.00	24	182	1.8	60	267.8
A 014	220.00	250.00	23	168	1.3	15	207.3
A 014	250.00	280.00	24	186	1.4	15	226.4

R SUM VERY LITTLE SULPHIDE MINERALIZATION. IT IS PREDOMINANTLY PY

R SUM WHICH IS DISSEMINATED IN VOLC, DISSEMINATED IN THE QZ VEINS AND

R SUM OCCURS RARELY AS MONOMINERALIC PY VEINS. MG IS PRESENT IN QZ

R SUM VEINS, AS IS CB. VOLC ROCKS ARE AN APHANETIC ANDS AND A HB

R SUM PORPHYRITIC ANDS FLOW.

```
                                              G E O L O G   E D I T   L I S T I N G                                    SYSTEMS ENGINEERING BY
                                                                                                                INTERNATIONAL GEOSYSTEMS CORP.

                                                      SASKATCHEWAN MINING DEV. CORP.
                                                      WHITING CK PORPHYRY MO-CU DEPOSIT

                                                          FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE : WCPH038        COLLAR ELEVATION:      1140.00        AZIMUTH( DEG ) :     0.00        GEOLOGGED BY : BTK +
TOTAL DEPTH/LENGTH :  290.00        NORTHING(- IF S):      -285.00        VERTICAL ANGLE :   -90.00        DATE (YY/MM/DD): 810805
CORE/HOLE DIAMETER :      IN        EASTING (- IF W):      1890.00        CO-ORD SYSTEM  :    MAP          PROJECT NUMBER :   4942

R HED                          PDH 38, AUG 5, 1981.

  F    - I N T E R V A L -    CORE   T- %       TYPI- QAL  TEX-  GRAIN TOTAL PGT   STRUCTUR-1 ALTERATION MINS  ORE-TYPE MINS SUMMARY
K L (UNITS =    .  DEC.PLACE)RECOV-  M M ROCK FYING MIN TURES CHARACS FRAC                    H  H  H  H  H ANY H  H  H ANY  ALT ORE
E A  (MT=METRIC FT=FOOTRIC)  ERY     O I       TM TM MAT TX TX F C % M DEN  /RI T ID STK DIP  A  A  A  A  A MIN A  A  A MIN - - - -
Y G  F R O M - T O -  I N T (  . )   D X TYPE  1  2 QM1  1  2 F F C A    MI   1    AZM  RT QZ BI CY CB MG GY PY CP GL YY  F I Z I
- --- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
K F                           ROCK   FM     RT    TM QM2 TX TX S R S O S        T ID STK DIP KF MU CL EP HE XX PR MO SL
E L                           QUAL   AGE EN- 4 LC- 3      3  4 O N H /  M       2    AZM  RT H  H  H  H  H  H  H  H  H  H   1   1
Y G                           DESIG      VTR . COL             R D P C   L        STRUCTUR-2 A  A  A  A  A  A  A  A  A  A     2   2


/ OVB     0.00   18.00  18.00            OVER                                   P
L
R         0.00   18.00      NO SAMPLE TAKEN

/ BRS    18.00   20.00   2.00            ANDS FX      PP    13 4 4              P                                          DT
I                                             4A
R        18.00   20.00      OVER CONTAMINATION

/        20.00   30.00  10.00            GRDR BI QZ     GR     1 2 4 2          P              VF         VT    DB       LI
L                                             7A                                                                DL       TA
R        20.00   30.00      GOSSANED FRAGMENTS.  POSSIBLY OVER CONTAMINATION
R        20.00   30.00      VERY FINE GRAINED GRDR PHASE.  PO IN HEAVIES.

/        30.00   40.00  10.00            GRDR BI QZ     GR     1 2 4 2          P              VF         VT    DB       LI
L                                             7A                                                                   VT
R        30.00   40.00      MO IN QZ VEIN, TINY MO DISSEMINATIONS IN GRDR

/        40.00   50.00  10.00            GRDR BI QZ     GR     1 2 4 2          P              VF         VT    DB       LI
L                                             7A
R        40.00   50.00      MO IN QZ VEIN. PY IN VEIOS
R        40.00   50.00      MO DISSEMINATIONS IN GRDR?
R        40.00   50.00      TRACE CP IN HEAVIES

/        50.00   60.00  10.00            GRDR QZ BI     GR                      P              VB               7B       LI
L                                             8                                                                 7T
R        50.00   60.00      PY IN VEINS AND IN QZ-PY VEINS

/        60.00   70.00  10.00            GRDR QZ BI     GR                      P              VF               7F
L                                             8                                                                 VT
```

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M IFOM  RI 1 ID AZM DIP QZ BI CY CB MG GY PY CP GL YY  F I Z I
F -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R Q D  AGE EV RQ LC TM OM2 TX TX S R S O SML     2 ID AZM DIP KF MU CL EP HE XX PR MO SL

R       60.00   70.00      TRACE DISSEMINATED MG IN GRDR

/       70.00   80.00  10.00          GRDR QZ BI     GR                 P              VF                  7F
L                                          7                                                               00

/       80.00   90.00  10.00          GRDR QZ BI     GR                 P              VL        VT        7L
L                                          8                                                               VT
R       80.00   90.00      TRACE MG DISSEMINATED IN GRDR
R       80.00   90.00      MG IN HEAVIES

/       90.00  100.00  10.00          GRDR QZ BI FX  GR                 P              VF        00        7F
L                                          8                                                               VT
R       90.00  100.00      CP TRACE IN HEAVIES, TRACE MG IN HEAVIES
R       90.00  100.00      PY IN QZ VEINS AND IN GRDR

/      100.00  110.00  10.00          GRDR QZ BI FX  GR                 P              VF        00        7F
L                                          8
R      100.00  110.00      TRACE MG DISSEMINATED IN GRDR

/      110.00  120.00  10.00          GRDR QZ BI                        P              VF        VT DL     7F
L                                          7
R      110.00  120.00      PY IN QZ VEINS AND GRDR

/      120.00  130.00  10.00          GRDR QZ BI     GR                 P              VF        VT DL     7F
L                                          8

/      120.00  130.00  10.00        6 ANDS FX        PP    1 2 2 3      R
L                                          6A
R      120.00  130.00      ANDS AND GRDR

/      130.00  140.00  10.00          ANDS FX BI     PP    1 2 3 3      P              VF        VT DL     7F
L                                          7A

/      130.00  140.00  10.00        2 GRDR QZ BI     GR                 R
L                                          8
R      130.00  140.00      PY IN QZ VEINS AND GRDR NONE IN THE ANDS

/      140.00  150.00  10.00          ANDS           FQ    1 1          P              VB        VT        VF
L                                          8A
R      140.00  150.00      PY IN QZ VEINS

/      150.00  160.00  10.00          ANDS           FQ    1 1          P              VB        00 VL     VF
L                                          8A                                                    VT
R      150.00  160.00      PY AND MG IN QZ VEINS, ONLY TRACE AMOUNTS OF PY IN ANDS

/      160.00  170.00  10.00          ANDS           FQ    1 1          P              VF                  7F
L                                          8A                                                    VT

/      160.00  170.00  10.00        2 GRDR QZ BI     GR                 R
L                                          7
R      160.00  170.00      PY IN QZ VEINS AND DISSEMINATED IN ANDS
```

```
K  F  F R O M - T O -  I N T RECOV  MO % ROCK TM TM QM1 TX TX F C % M TFDM  RI 1 ID AZM DIP QZ BT CY CB MG GY PY CP GL YY  F I Z I
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                         R O D  AGE EV RQ LC TM QM2 TX 1X S R S O SML      2 ID AZM DIP KF MU CL FP HE XX PR MO SL

/      170.00  180.00  10.00             ANDS           FQ    1 1           P               VF          VT    7F
L                                             8A
R      170.00  180.00      PY, MG IN QZ VEINS

/      180.00  190.00  10.00             ANDS           FQ    1 1           P               VF                7F
L                                             6A
R      180.00  190.00      TRACE CP IN QZ VEINS
R      180.00  190.00      PY, MG IN QZ VEINS

/      190.00  200.00  10.00             ANDS                               P               VF       VT DT    7F DT
L                                             7A                                                  VT

/      190.00  200.00  10.00           2 GRDR QZ BI     GR                  R
L                                             8
R      190.00  200.00      PY IN QZ VEINS AND DISSEMINATED IN ANDS, GRDR

/      200.00  210.00  10.00             GRDR QZ BI     GR                  P               VF       VT 00    7F 00
L                                             8

/      200.00  210.00  10.00           3 ANDS           FQ                  R
L                                             8A
R      200.00  210.00      PY IN QZ VEINS AND DISSEMINATED IN GRDR

/      210.00  220.00  10.00             GRDR QZ BI     GR                  P               VF                7L
L                                             8

/      210.00  220.00  10.00           3 ANDS           FQ    1 1           R
L                                             8A
R      210.00  220.00      PY IN GRDR AND QZ VEINS TRACE CP IN HEAVIES

/      220.00  230.00  10.00             GRDR QZ BI     GR                  P               VF                7L
L                                             8                                                    V T

/      220.00  230.00  10.00           1 ANDS           FQ      1 1         R
L                                             6A
R      220.00  230.00      PY IN GRDR AND QZ VEINS

/      230.00  240.00  10.00             GRDR QZ BI     GR                  P               VF       VT DT    7L
L                                             7
R      230.00  240.00      PY IN QZ VEINS AND GRDR

/      240.00  250.00  10.00             GRDR QZ BI     GR                  P               VF                7L
L                                             8
R      240.00  250.00      ANDS FRAGMENTS DUE TO SAMPLE CONTAMINATION

/      250.00  260.00  10.00             GRDR QZ BI     GR                  P               VF                7L
L                                             8                                                      VT

/      250.00  260.00  10.00           2 ANDS           FQ                  R
L                                             7A
```

K E Y	F -L- G	F R O M	- T O -	I N T	RECOV R Q D	MD AGE	% EV	ROCK RQ	TM LC	TH TM	QM1 QM2	TX TX	TX TX	F S	C R	% S	M O	TFOM SML	RT	1 2	ID ID	AZM AZM	DIP DIP	QZ KF	BI MU	CY CL	CB FP	MG HE	GY XX	PY PR	CP MO	GL SL	YY	F	I	Z	I
R		250.00	260.00		CP IN HEAVIES?																																
/		260.00	270.00	10.00				GRDR	QZ	BI		GR							P					VL				DT		7L							
L									8																												
/		270.00	280.00	10.00				GRDR	QZ	BI		GR							P					VL				DT		7L							
L									8															VT		VT											
/		280.00	290.00	10.00				GRDR	QZ	BI		GR							P					VL				DT		7L							
L									8															VT		VT											

A UNM				PPM CU	PPM MO
A LAB				MIN-EN	MIN-EN
A MTH				PH-CUT	PH-CUT
A TYP				PCL-AA	PCL-AA
A 014	18.00	20.00	2367	38	1
A 014	20.00	30.00	2368	167	9
A 014	30.00	40.00	2369	154	7
A 014	40.00	50.00	2370	105	87
A 014	50.00	60.00	2371	215	24
A 014	60.00	70.00	2372	145	6
A 014	70.00	80.00	2373	126	4
A 014	80.00	90.00	2374	96	18
A 014	90.00	100.00	2375	370	6
A 014	100.00	110.00	2376	377	4
A 014	110.00	120.00	2377	303	3
A 014	120.00	130.00	2378	169	19
A 014	130.00	140.00	2379	152	6
A 014	140.00	150.00	2380	191	8
A 014	150.00	160.00	2381	184	5
A 014	160.00	170.00	2382	172	1
A 014	170.00	180.00	2383	171	2
A 014	180.00	190.00	2384	178	3
A 014	190.00	200.00	2385	162	2
A 014	200.00	210.00	2386	123	18
A 014	210.00	220.00	2387	127	4
A 014	220.00	230.00	2388	150	1
A 014	230.00	240.00	2389	157	1
A 014	240.00	250.00	2390	143	2
A 014	250.00	260.00	2391	164	1
A 014	260.00	270.00	2392	178	1
A 014	270.00	280.00	2393	212	11
A 014	280.00	290.00	2394	239	5
R ASY	18.00	290.00	AVE. CU=177 PPM ; AVE. MO=11 PPM		

				PPM PB	PPM ZN	PPM AG	PPB AU
A	UMM			PPM PB	PPM ZN	PPM AG	PPB AU
A	LAB			MIN-EN	MIN-EN	MIN-EN	MIN-EN
A	TYP			COMPOS	COMPOS	COMPOS	COMPOS
A	MTH			PCL-AA	PCL-AA	PCL-AA	PCL-AA
A	014	18.00	40.00	12	53	.8	20
A	014	40.00	70.00	18	39	.6	5
A	014	70.00	100.00	11	40	1.0	5
A	014	100.00	130.00	11	49	1.1	10
A	014	130.00	160.00	20	58	1.4	15
A	014	160.00	190.00	16	63	.9	15
A	014	190.00	200.00	14	43	.9	10
A	014	220.00	250.00	13	40	.9	15
A	014	250.00	280.00	16	37	1.0	15

R ASY 280.00 290.00 NO COMPOSITES FOR 280 TO 290 M.

R SUM THIS DRILLHOLE WAS COLLARED ON OR NEAR THE HAZELTON

R SUM VOLCANIC-GRANODIORITE CONTACT. GRDR OCCURS FROM THE START OF

R SUM THE HOLE TO ABOUT 120 FEET WHERE IT IS INTERSECTED BY HORNFELSED

R SUM ANDS. THE ANDS CONTINUES TO ABOUT 240 FEET. GRDR IS FOUND AGAIN

R SUM FROM 240 FEET TO THE END OF THE HOLE.

APPENDIX E

PERCUSSION CHIP GEOCHEMISTRY RESULTS

FOR Cu, Mo

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

AUG 27 1981

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 1-677

DATE: Aug. 21 1981.

Sample Number	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm
WC1D-2101-PDH23-10-20 Feet									2	26
02 20-30									2	224
03 30-40									1	220
04 40-50									3	105
05 50-60									1	115
06 60-70									1	130
07 70-80									1	120
08 80-90									4	118
09 90-100									1	147
10 100-110									6	242
11 110-120									8	156
WC1D-2112-PDH23-120-130									2	82
WC1D2113--PDH24-8-10 Feet									2	74
14 10-20									2	38
15 20-30									1	26
16 30-40									1	32
17 40-50									1	52
18 50-60									1	30
19 60-70									2	28
20 70-80									2	30
21 80-90									1	46
22 90-100									1	71
23 100-110									1	20
24 110-120									1	340
WC1D-2125-PDH24-120-130									1	122
WC1D-2126-PDH25-7-10 Feet									1	38
27 10-20									1	135
28 20-30									2	120
29 30-40									1	46
WC1D-2130-PDH25-40-50									1	1270

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. 1-677

DATE: Aug.25 1981.

Sample Number	~~Mo~~ ~~ppm~~	~~Sr~~ ~~ppm~~	~~Pb~~ ~~ppm~~	~~Zn~~ ~~ppm~~	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm
WC1D21	31-P	DH25-	50-60	FEET									2	235
	32		60-70										1	178
	33		70-80										1	190
	34		80-90										1	186
	35		90-10	0									2	156
	36		100-1	10									2	190
	37	1	10-12	0									4	48
	38		120-1	30									1	32
	39		130-1	40									2	46
	40		140-1	50									2	78
	41		150-1	60									1	106
	42		160-1	70									2	124
	43		170-1	80									2	124
	44		180-1	90									1	156
	45		190-2	00									1	142
	46		200-2	10									1	138
	47		210-2	20									1	118
	48		220-2	30									2	102
	49		230-2	40									2	118
	50		240-2	50									1	114
	51		250-2	60									1	100
	52		260-2	70									1	152
	53		270-2	80									1	102
	54		280-2	90									1	114
	55		290-3	00									1	164
	56		300-3	10									2	162
WC1D21	57-P	DH25-	310-3	20									2	146
WC1D21	58-P	DH26-	30-40	FEET									1	154
	59		40-50										14	136
WC1D-2	160-	PDH26	-50-60										3	114

CERTIFIED BY [signature]

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. 1-67

DATE: Aug.2

1981.

Sample Number	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm
WC1D-2161-PDH-26-60-70 FEET									33	138
62 70-80									29	211
63 80-90									7	210
64 90-100									40	225
65 100-110									9	202
66 110-120									17	173
67 120-130									30	128
68 130-140									25	135
69 140-150									33	144
70 150-160									36	101
71 160-170									21	118
72 170-180									33	168
73 180-190									26	130
74 190-200									17	316
75 200-210									7	192
76 210-220									7	231
77 220-230									19	340
78 230-240									16	269
79 240-250									32	309
80 250-260									25	315
81 260-270									12	262
82 270-280									22	260
83 280-290									30	377
84 290-300									26	320
85 300-310									31	292
WC1D-2186-PDH-26-310-320									36	347

CERTIFIED BY [illegible]

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 1-60

DATE: Aug. 6 1981.

Sample Number	NK ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm		Feet
WC1D21	87	116											2	PDH 27	18-20F
	88	132											3	"	
	89	120											2	"	
	90	118											2	"	
	91	48											3	"	
	92	54											4	"	60-70
	93	50											2	"	
	94	108											6	"	
	95	66											3	"	
	96	38											2	"	
	97	46											4	"	110-120
	98	114											6	"	
	99	62											2	"	
WC1D22	00	86											4	"	
	01	62											3	"	
	02	56											6	"	160-170
	03	42											4	"	
	04	28											3	"	
	05	16											4	"	
	06	10											5	"	
	07	46											4	"	210-220
	08	60											4	"	
	09	42											2	"	
	10	70											4	"	
	11	90											1	"	
	12	70											2	PDH 27	260-270
	13	96											2	PDH 28	7-10
	14	118											8	"	
	15	475											7	"	
WC1D22	16	60											6		

COMPAN[illegible]: Sask. Mining Dev.

PROJE[illegible] [illegible]o.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN[illegible] Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

F[illegible] [illegible]o. 1-60

[illegible]ATE: Aug. 6 1981.

Sample. Number	~~Mo ppm~~	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm		Feet
WC1D22	17	104											4	PDH 28	40-50
	18	166											1	"	
	19	94											2	"	
	20	180											4	"	
	21	192											1	"	
	22	102											2	"	
	23	56											4	"	
	24	52											2	"	
WC1D22	25	100											1	PDH 28	120-13

CERTIFIED BY [illegible]

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

No. 1-61

DATE: Aug. 1 1981.

Sample Number	Mo ppm	Cu ppm
WC1D-2226-PDH-28-130-140 FEET	10	132
27 140-150	6	116
28 150-160	2	77
29 160-170	4	55
30 170-180	6	52
31 180-190	7	123
32 190-200	5	94
33 200-210	4	104
34 210-220	3	67
35 220-230	6	70
36 230-240	6	60
37 240-250	8	48
38 250-260	10	40
39 260-270	4	47
40 270-280	4	43
41 280-290	2	56
42 290-300	4	72
43 300-310	5	66
44-310-320	8	42
45-PDH-28-320-330	6	74
46-PDH-29-20-30 FEET	6	28
47 30-40	3	21
48 40-50	2	30
49 50-60	6	42
50 60-70	6	44
51 70-80	4	56
52 80-90	2	51
53 90-100	6	41
54 100-110	2	58
WC1D-2255-PDH-29-110-120	4	68

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-61

DATE: Aug.1 1981.

Sample Number	~~Mo~~ ppm	~~Cu~~ ppm	~~Pb~~ ppm	~~Zn~~ ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm
WC1D-2	256-	PDH-2	9-120	-130	FEET								2	54
	57		130	-140									1	26
	58		140	-150									1	24
	59		150	-160									1	64
	60		160	-170									1	55
	61		170	-180									1	42
	62		180	-190									1	60
	63		190	-200									2	66
	64		200	-210									2	45
	65		210	-220									1	56
	66		220	-230									1	44
	67		230	-240									1	52
	68		240	-250									1	77
	69		250	-260									1	78
	70		260	-270									1	77
	71		270	-280									1	80
	72		280	-290									2	83
	73		290	-300									1	89
	74		300	-310									1	69
	75		310	-320									2	76
	76-	PDH-2	9-320	-330									1	126
	77-	PDH-3	0-10-	20	FEET								2	67
	78		20-	30									14	200
	79		30-	40									6	240
	80		40-	50									10	200
	81		50-	60									5	260
	82-	PDH-3	0-60-	70									12	260
	83-	PDH-3	1-10-	20									1	83
	84		20-	30									2	117
WC1D-2	285-	PDH-3	1-30-	40									1	300

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-6

DATE: Aug. 1981.

Sample Number	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm
WC1D-2286-PDH-31-40-50 FEET									1	340
87 50-60									1	160
88 60-70									1	134
89 70-80									2	82
90 80-90									1	117
91 90-100									1	73
92 100-110									1	98
93 110-120									1	184
94 120-130									1	178
95 130-140									2	70
96 140-150									1	76
97 150-160									2	62
98 160-170									1	89
99 170-180									2	75
2300 180-190									1	118
01 190-200									2	69
02 200-210									1	69
03 210-220									3	68
04 220-230									2	54
05 230-240									1	46
06 240-250									1	43
07 250-260									1	36
WC1D-2308-PDH-31-260-270									2	30

CERTIFIED BY:

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-62

DATE: Aug. 1 1981

Sample Number	Mo ppm	Cu ppm
WC1D-2309-PDH-32-10-20 FEET	2	59
10 20-30	1	30
11 30-40	1	28
12 40-50	2	17
13 50-60	2	19
14 60-70	1	14
15 70-80	1	16
16 80-90	2	30
17 90-100	1	62
18 100-110	3	62
19 110-120	2	23
20 120-130	2	15
21 130-140	1	30
22-PDH-32-140-150	1	16
23-PDH-33-10-20	2	76
24 20-30	1	34
25 30-40	1	26
26 40-50	1	18
27 50-60	2	16
28 60-70	1	15
29 70-80	1	18
30 80-90	1	30
32 90-100	2	29
WC1D-2333-PDH-33-100-110	1	26

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. 1-67

DATE: Aug. 2 1981.

Sample Number	Interval	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm
WC1D-2338-PDH-3	5-60-70 FEET			.						2	23
39	70-80			.						1	18
40	80-90			.						1	21
41	90-100			.						1	24
42	100-110			.						1	19
WC1D-2343-PDH-3	50110-120			.						1	23
WC1D-2344-PDH-3	7-50-60			.						1	45
45	60-70			.						2	55
46	70-80			.						1	42
47	80-90			.						1	40
48	90-100			.						1	35
49	100-110			.						1	43
50	110-120			.						1	35
51	120-130			.						1	40
52	130-140			.						1	26
53	140-150			.						1	42
54	150-160			.						2	37
55	160-170			.						2	50
56	170-180			.						1	230
57	180-190			.						1	1410
58	190-200			.						1	270
59	200-210			.						1	123
60	210-220			.						1	92
61	220-230			.						1	77
62	230-240			.						1	51
63	240-250			.						1	68
64	250-260			.						2	57
65	260-270			.						1	62
WC1D-2366-PDH-3	7-270-280			.						1	50
WC1D-2367-PDH-3	8-18-20			.						1	38

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

FILE No. 1-677

DATE: Aug.25 1981.

Sample. Number	~~Mo ppm~~	~~Cu ppm~~	~~Pb ppm~~	~~Zn ppm~~	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Mo ppm	Cu ppm	
WC1D-2	368-	PDH-3	8-20-	30 FEET			.						9	167	
	69		30-	40			.						7	154	
	70		40-	50			.						87	105	
	71		50-	60			.						24	215	
	72		60-	70			.						6	145	
WC1D-2	373-	PDH-3	8-70-	80			.						4	126	
	74						.						no sample		
	75		90-	100			.						6	370	
	76		100	-110			.						4	377	
	77		110	-120			.						3	303	
	78		120	-130			.						19	169	
	79		130	-140			.						6	152	
	80		140	-150			.						8	191	
	81		150	-160			.						5	184	
	82		160	-170			.						1	172	
	83		170	-180			.						2	171	
	84		180	-190			.						3	178	
	85		190	-200			.						2	162	
	86		200	-210			.						18	123	
	87		210	-220			.						4	127	
	88		220	-230			.						1	150	
	89		230	-240			.						1	157	
	90		240	-250			.						2	143	
	91		250	-260			.						1	164	
	92		260	-270			.						1	175	
	93		270	-280			.						11	212	
WC1D-2	394-	PDH-3	8-280	-290			.						5	239	
WC1D-2	395-	PDH-3	7-280	-290			.						2	74	
Possib	ly 2	374-N	o tag	or m	arking	outs	ide.	the b	ag.				18	96	

APPENDIX F

PERCUSSION CHIP GEOCHEMISTRY RESULTS

FOR Ag, Au, Pb, Zn

COMPANY: Sask. Mining Dev.

PROJECT: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

FILE No. 1-677

DATE: Aug. 2 1981.

Composite

6 Sample. Number 81–86	10 Mo ppm 90	15 Cu ppm 95	20 Pb ppm 100	25 Zn ppm 105	30 Ni ppm 110	35 Co ppm 115	40 Ag ppm 120	45 Fe ppm 125	50 Hg ppb 130	55 As ppm 135	60 Mn ppm 140	65 Au ppb 145	70 150	75 155	80 160
2101,	2102,	2103	20	76			2.0					5			
2104,	2105,	2106	19	60			1.4					10			
2107,	2108,	2109	18	64			1.3					5			
2110,	2111,	2112	21	82			1.3					10			
2113,	2114,	2115	23	113			1.1					5			
2116,	2117,	2118	13	73			0.8					5			
2119,	2120,	2121	16	121			0.9					10			
2122,	2123,	2124	17	148			1.3					20			
2125,	2126,	2127	20	113			1.4					5			
2128,	2129,	2130	24	227			2.1					185			
2131,	2132,	2133	28	68			1.5					35			
2134,	2135,	2136	26	139			2.0					5			
2137,	2138,	2139	20	84			1.4					5			
2140,	2141,	2142	14	65			1.0					10			
2143,	2144,	2145	16	76			1.4					5			
2146,	2147,	2148	12	79			1.0					10			
2149,	2150,	2151	14	61			1.1					10			
2152,	2153,	2154	18	49			1.5					5			
2155,	2156,	2157	12	48			1.3					10			
2158,	2159,	2160	18	73			1.2					5			
2161,	2162,	2163	10	51			1.1					5			
2164,	2165,	2166	12	58			1.2					5			
2167,	2168,	2169	10	36			0.8					5			
2170,	2171,	2172	22	66			1.0					5			
2173,	2174,	2175	16	51			0.9					<5			
2176,	2177,	2178	24	92			1.0					5			
2179,	2180,	2181	21	67			1.0					5			
2182,	2183,	2184	260	535			3.0					10			
2185,	2186		200	198			1.6					5			

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COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980 5814

File No. 1-60

DATE: Aug. 6 1981.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
2187,	2188,	2189	11	76			1.0					10		WCLD	
2190,	2191,	2192	20	71			1.3					5		"	
2193,	2194,	2195	19	47			1.4					5		"	
2196,	2197,	2198	8	35			0.7					10		"	
2199,	2200,	2201	13	61			0.9					10		"	
2202,	2203,	2204	18	83			1.1					5		"	
2205,	2206,	2207	20	51			1.1					5		"	
2208,	2209,	2210	14	61			1.1					5		"	
2211,	2212,	2213	13	65			1.1					10		"	
2214,	2215,	2216	20	102			1.7					90		"	
2217,	2218,	2219	25	98			1.6					105		"	
2220-	2221,	2222	73	321			2.6					40		"	
2223,	2224,	2225	33	131			1.9					30		"	

COMPANY: Sask. Mining Dev.

PROJECT No.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN[illegible] Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

File No. 1-614

DATE: Aug. 1 1981.

Sample Number	[illegible] ppm	[illegible] ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
2226, 2	227,	2228	42	153			1.7					35			
2229, 2	230,	2231	74	328			2.3					50			
2232, 2	233,	2234	36	160			2.1					50			
2235, 2	236,	2237	23	96			1.8					60			
2238, 2	239,	2240	25	104			1.4					40			
2241, 2	242,	2243	29	103			1.5					100			
2244, 2	245,	2246	56	102			1.8					25			
2247, 2	248,	2249	34	113			2.0					5			
2250, 2	251,	2252	18	87			1.4					5			
2253, 2	254,	2255	96	286			1.9					10			
2256, 2	257,	2258	225	662			2.5					5			
2259, 2	260,	2261	61	215			1.4					10			
2262, 2	263,	2264	38	148			1.0					5			
2265, 2	266,	2267	27	124			0.9					5			
2268, 2	269,	2270	36	123			1.0					5			
2271, 2	272,	2273	26	105			1.2					5			
2274, 2	275,	2276	21	88			1.0					5			
2277, 2	278,	2279	26	84			1.4					10			
2280, 2	281,	2282	24	78			1.9					5			
2283, 2	284,	2285	19	201			1.6					5			
2286, 2	287,	2288	17	158			1.7					5			
2289, 2	290,	2291	27	182			2.1					5			
2292, 2	293,	2294	34	263			2.0					55			
2295, 2	296,	2297	28	146			1.8					15			
2298, 2	299,	2300	36	132			1.8					5			
2301, 2	302,	2303	31	126			2.0					15			
2304, 2	305,	2306	32	154			1.6					10			
2307, 2	308,		26	146			1.5					5			

CERTIFIED BY [signature]

COMPA Sask. Mining Dev.

PROJEC o.: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

No. 1-62

DATE: Aug.1

1981.

Composite

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
2309, 2310, 2311			13	221			1.7					10
2312, 2313, 2314			24	149			1.2					10
2315, 2316, 2317			246	1060			2.6					20
2318, 2319, 2320			96	520			2.0					5
2321, 2322, 2323			135	1040			2.8					30
2324, 2325, 2326			18	106			1.0					5
2327, 2328, 2329			13	100			0.8					5
2330, 2332, 2333			12	115			1.0					5

CERTIFIED BY

COMPANY: Sask. Mining Dev.

PROJECT: Whiting Ck. 4942

ATTENTION:

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

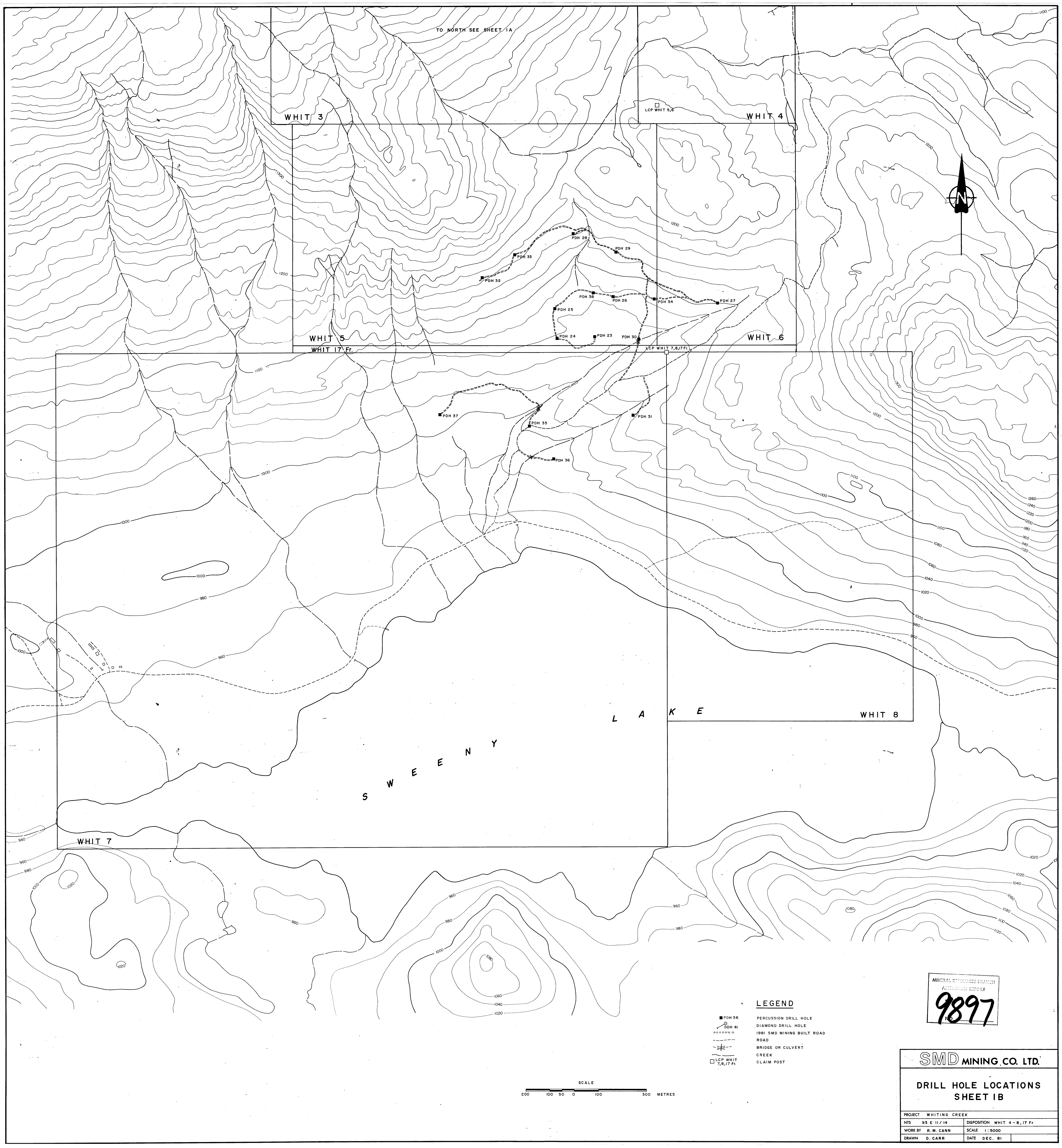
File No. 1-67

DATE: Aug. 2 1981.

Composite

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	
2337, 2338, 2339	22	93			1.4					15	(2337 missing)
2340, 2341, 2342	20	81			0.7					5	
2343, 2344, 2345	33	120			0.9					20	
2346, 2347, 2348	36	72			0.8					5	
2349, 2350, 2351	21	149			0.9					10	
2352, 2353, 2354	17	141			0.8					25	
2355, 2356, 2357	36	201			3.2					55	
2358, 2359, 2360	24	182			1.8					60	
2361, 2362, 2363	23	168			1.3					15	
2364, 2365, 2366	24	186			1.4					15	
2367, 2368, 2369	12	53			0.8					20	
2370, 2371, 2372	8	39			0.6					5	
2373, 2374, 2375	11	40			1.0					5	(2374 missing)
2376, 2377, 2378	11	49			1.1					10	
2379, 2380, 2381	20	58			1.4					15	
2382, 2383, 2384	16	63			0.9					15	
2385, 2386, 2387	14	43			0.9					10	
2388, 2389, 2390	13	40			0.9					15	
2391, 2392, 2393	16	37			1.0					15	
2394, 2395	19	70			1.2					20	
2374 (Maybe)	14	45			1.0					25	

CERTIFIED BY



LEGEND

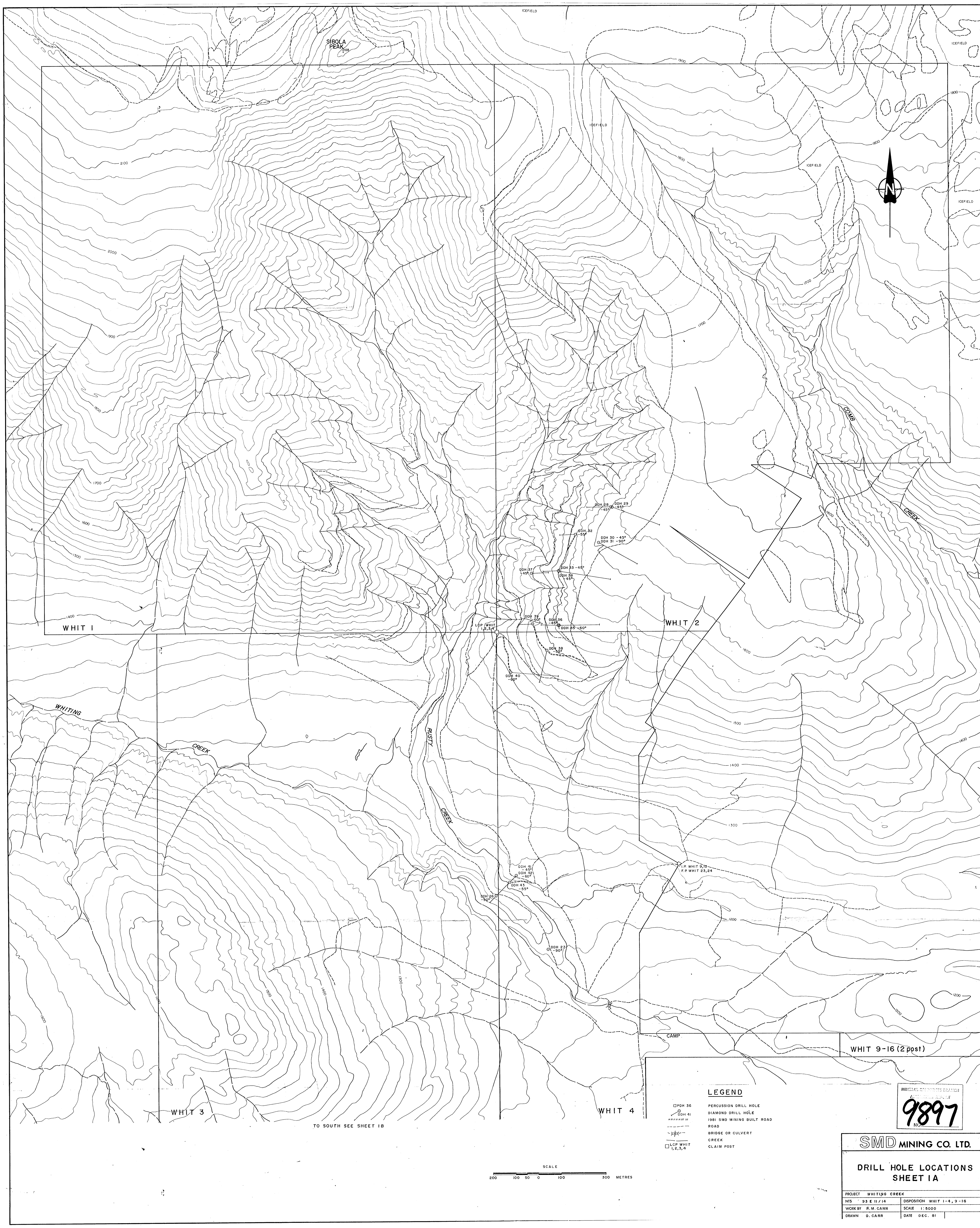
PDH 36	PERCUSSION DRILL HOLE
DDH 41	DIAMOND DRILL HOLE
	1981 SMD MINING BUILT ROAD
	ROAD
	BRIDGE OR CULVERT
	CREEK
LCP WHIT 7,8,17 Fr.	CLAIM POST

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9897

SMD MINING CO. LTD.

DRILL HOLE LOCATIONS
SHEET 1B

PROJECT WHITING CREEK	
NTS 93 E 11/14	DISPOSITION WHIT 4 - 8, 17 Fr
WORK BY R. M. CANN	SCALE 1:5000
DRAWN D. CARR	DATE DEC. 81



SIBOLA PEAK
ICEFIELD
WHIT 1
WHIT 2
WHIT 3
WHIT 4
WHIT 9-16 (2 post)
WHITING CREEK
RUSTY CREEK
COMB CREEK
CAMP
TO SOUTH SEE SHEET 1B
SCALE
200 100 50 0 100 300 METRES
LEGEND
PDH 36 PERCUSSION DRILL HOLE
DDH 41 DIAMOND DRILL HOLE
1981 SMD MINING BUILT ROAD
ROAD
BRIDGE OR CULVERT
CREEK
LCP WHIT 1,2,3,4 CLAIM POST
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9897
SMD MINING CO. LTD.
DRILL HOLE LOCATIONS
SHEET 1A
PROJECT WHITING CREEK
NTS 93 E 11/14
DISPOSITION WHIT 1-4, 9-16
WORK BY R.M. CANN
SCALE 1:5000
DRAWN D. CARR
DATE DEC. 81