

G E O L O G

F O R M A T -- I

E D I T L I S T I N G

ARCHER CATHRO AND ASSOCIATES LTD.

WERNECKE JOINT VENTURE IGOR PROP

FORMAT VERSION : 6B02

DRILLHOLE/TRVERSE 80CH016	COLLAR ELEVATION 1124.00	AZIMUTH(LEG 1) 180.00	GEOLOGGED BY : WDE +
TOTAL DEPTH/LENGTH 91.14	NORTHING(- IF S) 3713.00	VERTICAL ANGLE -50.00	DATE DY/MON/YR 14/JUL/80
CORE/HOLE DIAMETER 8	EASTING (- IF W) -52.00	CO-ORD SYSTEM GRD	PROJECT NUMBER WJV

F . . I N T E R V A L . .	CORE	MF X	TYP1-	TEX-	GRAIN	FRACS	..STRUCTURES...	ALT/N ASSEM.+ MINERALIZATION.	AI	OI
K L (M T . 2)	RECOV	OI M ROCK	MINS	OAL TURES	-+ M	S	T D B	HA HA HA HA HA HA HA HA	LN	RN
E A	-MISS	DE I	TM TM MIN	MAJOR	FC CA	DEN M	ID T AZM O I D		TT	ET
Y G F.R.O.M : T..0 I.N.T	+PC.I	IR X TYPE	I 2 I	TX TX	X	I	K P P. 1	Q2 CL CB C2 AB XX HX PY UR YY BM	ZONE	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	ROC DE P		OAL TX TX	SR SO	SML X	P	B .P 8	FL BA C1 C3 MU HA H: CP	HA HW	HOW
	R.Q.D.	U- EN R	COLOR	MIN MINOR	ON H7	100 M	ID L AZM O L D		1	1
	NIT PV OV		2		RD PC	PDW 2	G T G 2		2	2

/	0.00	5.18	5.18	OVER		XX		P2	P2		P4	MA 13
---	------	------	------	------	--	----	--	----	----	--	----	-------

/	5.18	10.82	5.64	BRPQ CB	8A6 BR FL 08 38	24	FL	75	P2 <+ P3 P1		D) 8)	74
---	------	-------	------	---------	-----------------	----	----	----	-------------	--	-------	----

L				HB2	8T	8T2	13 FC 31		V. V+ P2 P4		MG	
---	--	--	--	-----	----	-----	----------	--	-------------	--	----	--

R	5.18	20.97		MG CRYSTALS DISSEMINATED IN CB MATRIX 1MM IN DIAMETER								
---	------	-------	--	---	--	--	--	--	--	--	--	--

/	10.82	11.13	.31	X BRPQ CB	8A6 BR FL 06 76	22	CN	T 70	P2 P1 P2 P2		D) 8)	54
---	-------	-------	-----	-----------	-----------------	----	----	------	-------------	--	-------	----

L				HB2	8T	8T2	43 CC 11	CN	B 70	V. V+ P2 P4	MG	
---	--	--	--	-----	----	-----	----------	----	------	-------------	----	--

R	10.82	11.13		PROBABLY A WELL-HEALED FAULT.								
---	-------	-------	--	-------------------------------	--	--	--	--	--	--	--	--

/	11.13	14.63	3.50	BRPQ CB	8A6 BR FL 08 38	24	FL	75	P2 <+ P3 P1		D) 8)	74
---	-------	-------	------	---------	-----------------	----	----	----	-------------	--	-------	----

L				HB2	8T	8T2	13 FC 31		V. V+ P2 P4		MG	
---	--	--	--	-----	----	-----	----------	--	-------------	--	----	--

/	14.63	20.97	6.34	X BRPQ CB	8A6 BR FL 07 37	12	FL	65	P3 <+ P3 P1		D+ 8)	74
---	-------	-------	------	-----------	-----------------	----	----	----	-------------	--	-------	----

L				HB2	8T	8T2	13 FC 21		V. V+ P2 P3		MG	
---	--	--	--	-----	----	-----	----------	--	-------------	--	----	--

/	20.97	21.09	.12	HB BRPQ CB CL 8T4 BR	06 67 23				P2 <1 P4 P2		D+ D)	44
---	-------	-------	-----	----------------------	----------	--	--	--	-------------	--	-------	----

L				4G 7A2	23 CC 2				7(V+ P2 P3		HC	
---	--	--	--	--------	---------	--	--	--	-------------	--	----	--

R	20.97	26.03		CL AND CB ALTERATION ADJACENT TO A NARROW BROX DYKE.								
---	-------	-------	--	--	--	--	--	--	--	--	--	--

/	21.09	22.37	1.28	HB BRPQ CB CL 8T4 BR	06 67 23				P2 <1 P4 P2		D+ D)	44
---	-------	-------	------	----------------------	----------	--	--	--	-------------	--	-------	----

L				4G 7A2	23 CC 2				7(V+ P2 P3		HC	
---	--	--	--	--------	---------	--	--	--	-------------	--	----	--

/	21.09	22.37	1.28	HB 1 BRPQ CB CL 8T4 BR	06 67 25				P2 <1 P4 P2 P2		00 61	44
---	-------	-------	------	------------------------	----------	--	--	--	----------------	--	-------	----

L				4G 7A2	23 CC 4				7(V+ P2 P1		HC 6+	
---	--	--	--	--------	---------	--	--	--	-------------	--	-------	--

R	21.09	22.37		LOCALLY MASSIVE PY IN MATRIX OR LATE FRACTURES.								
---	-------	-------	--	---	--	--	--	--	--	--	--	--

R TGG	21.09	22.37		54669								
-------	-------	-------	--	-------	--	--	--	--	--	--	--	--

DRILLHOLE/TRVERSE --- 80CH016 --- (CONTINUED)

K	FLG	F.R.O.M	T.O.O	I.N.T	RECOV	MF	X	ROCK	TM	TM	QM1	TX	TX	-+	XM	FRX	1	ID	S	AZM	T	DP	B	QZ	CL	CB	C2	AB	XX	HX	PY	UR	YY	BM	ZI
					R.O.O	R.U	DE	PV	COLOR	QM2	TX	TX	SR	SO	SML	2	ID	P	AZM	B	PL	2	FL	BA	C1	C3	MU	HA	H:	CP		HA	12	12	
/	L	22.37	23.96	1.59		HB		BRPQ	CB	CL	8T4	BR		06	67	23								P2	<1	P4	P2			D+	D)		44		
								4G	7A2				23	CC	2									7(	V+	P2	P3			HC				
/	L	23.96	24.51	.55		HB	X	BROX	CB	HX	8T4	BR		06	67	21		CN				30	V+	<+	P6	P2			D3	D+		54			
						HB4			8T	7A2			23	CC	1		CN					30		7(	V=	P5	P3			HC				
R		23.96	24.51						2 PHASES: A NARROW, FINE-GRAINED ZONE ON TOP WITH A THICKER,																										
R		23.96	24.51						COARSER PHASE BELOW. MINERALOGICALLY SIMILAR. HX IN 1-2MM MG																										
R		23.96	24.51						CRYSTALS.																										
/	L	24.51	26.03	1.52		HB		BRPQ	CB	CL	8T4	BR		06	67	23							P2	<1	P4	P2			D+	D)		44			
								4G	7A2				23	CC	2									7(	V+	P2	P3			HC				
/	L	26.03	32.31	6.28				BRPQ	CB		8A4	BR	FL	07	27	23								P3	<+	P2	P=			D=		44			
						HB1			8T	7A3			22	FC	2									V)	P+	P1	P4			MG	V.				
R		26.03	33.22						MG OCCURS AS EUHEDRAL CRYSTALS IN 0.5 TO 10CM WIDE PODS, SHEETS																										
R		26.03	33.22						AND VEINS WHICH BOTH PARALLEL AND CUT FOLIATION. SOME MG ALTERED																										
R		26.03	33.22						TO CL. FOLIATION WEAK AND ERRATIC. CB CRYSTALS RIMMED WITH CL																										
R		26.03	33.22						COMMON.																										
/	FLT	32.31	33.22	.91			X	BRPQ	CL		8A4	BR	F/	07	27	2X		F/				20	P3	<+	P2	P=			D=		13				
						HB1			2G	7A3			22	FC	37									V)	P+	P1	P4			MG	V.				
R		32.31	33.22						SOME GOUGE																										
/	L	33.22	39.32	6.10				BRPQ	HX	CB		FL		12		FL						30		<1	P5			D3		24					
								9TBA					2		CN							B	40		61	V=	P4		H>						
R		33.22	39.62						PROBABLY A DYKE. FRAGMENTS VERY RARE GRADES LOCALLY TO BRCL,																										
R		33.22	39.62						BRCB, AND BRBA.																										
/	L	39.32	39.62	.30			X	BRSU	PY	CP		RP		1									71	P5				72		CC	64				
						HB4			8TCB					1										7=	P5			71							
R		39.32	39.62						MINOR VERY SOFT BLACK MINERAL CC?																										
/	L	39.62	46.09	6.47				BRPQ	CB	BA	8A5	BR		07	27	12		FL				30	P2	<=	P3	P+			D=	D.	34				
						HB1			8T	7G2			23	FC	1										<.	V1	P2	P4		HE	V(
R		39.62	46.09						FOLIATION WEAK. MG DISSEMINATED BUT PATCHY. LOCALLY BROX																										
/	L	46.09	55.78	9.69				BRPQ	CB		9A6	BR		07	47	2								P3	7)	P3	P1			D+		84			
						HB1			9T	8A3			22	FC	21										V+	P2	P4		HE	V(

DRILLHOLE/TRVERSE --- 80CH016 --- (CONTINUED)

K	FLG	F.R.O.M	T..0	I.N.T	RECOV	MF	X	ROCK	TM	TM	QM1	TX	TX	-+	XM	FRX	1	ID	S	AZM	T	DP	B	QZ	CL	CB	C2	AB	XX	HX	PY	UR	YY	BM	Z1
					R.Q.D	R.U	DE	PV	COLOR	QM2	TX	TX	SR	SO	SML	2	ID	P	AZM	B	PL	2	FL	BA	C1	C3	MU	HA	H:	CP		HA	12	12	

R		46.09	55.78																																
/		55.78	57.91	2.13					BRPQ CB	8A6 BR FL	06 66	2	FL		45	P1 <+ P4													D+ D1				54		
L						HB1		BT			43 FC	21															V= P3 P4		HE V.						
/	VEN	57.91	58.22	.31					X BROS CB MG			3																P5		D3 61		64			
L						HB4		9TPY				3															V) V2 P3		MG 6+						
R		57.91	58.22																																
R	TGG	57.91	59.53																																
/		58.22	59.34	1.12					BRPQ CB	8A6 BR FL	06 66	2	FL		45	P1 <+ P4														D+ D1			54		
L						HB1		BT			43 FC	21																V= P3 P4		HE V.					
/	VEN	59.34	62.18	2.84					X BROS			1																	<+ BT		D1 61		64		
L						HB4						1																<) V1 P6 V+		MG 7+					
R		59.34	62.18																																
R	TAG	59.53	62.18																																
/		62.18	64.01	1.83					BRPQ CB	8A6 BR FL	06 66	2	FL		45	P1 <+ P4															D+ D1		54		
L						HB1		BT			43 FC	21																	V= P3 P4		HE V.				
/		64.01	67.67	3.66					BRPQ	8A4 BR	07 37	2	FL		35	P2 <) P2 P1														D+ D1		84			
L						HB1		9T	6A2		22 FC	2																	<) P1 P5		H>				
R		64.01	91.14																																
/		67.67	70.71	3.04					X BRPQ	8A4 BR	07 37	3	00		00	P2 <) P2 P1														D+ D1		64			
L						HB1		9T	6A2		22 FC	3																	<) P1 P5		H>				
/	VEN	70.71	71.23	.52					X BROX MG CB			1	CN		T 10														P2		P8 V)		16		
L						HB4		BT				1	CN		B 20														V+ V+ P2		MG				
R		70.71	71.23																																
/		71.23	74.83	3.60					X BRPQ	8A4 BR	07 37	3	00		00	P2 <) P2 P1															D+ D1		64		
L						HB1		9T	6A2		22 FC	3																	<) P1 P5		H>				
/	VEN	74.83	75.50	.67					X BRSO PY MG			2	CN		T 45															<= P6		D= <3		44	
L						HB4		BT	8TCB			2	CN		B 50															P6		MG <)			
R		74.83	75.50																																
R		74.83	75.50																																
/		75.50	77.11	1.61					X BRPQ	8A4 BR	07 37	3	00		00	P2 <) P2 P1															D+ D1		64		
L						HB1		9T	6A2		22 FC	3																	<) P1 P5		H>				

ROCKS ADJACENT TO BRSO DYKE ARE MORE FRACTURED AND CONTAIN MORE

CL THAN SURROUNDING BRPQ.

A 001	21.09	22.37	1.28	500.0	J17429	7.5	2600	400	120
A 001	57.91	59.53	1.62	0.0	J17430	23.0	710	330	120
A 001	59.53	62.18	2.65	0.0	J17431	3.5	4900	310	120

DRILLHOLE/TRVERSE --- 80CH016 --- (CONTINUED)

A MIN	86.87	90.53	3.66	TOT AA	AA	AA	BGSISL
A LAB	86.87	90.53	3.66	CHEMEX	CHEMEX	CHEMEX	SCNTRX
A TYP	86.87	90.53	3.66	1H-COR	1H-COR	1H-COR	IN BAG
A 001	82.30	85.40	3.10	884.0	J17432	5.5 5800	320 120
/ END							