

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 : 6R02

DRILLHOLE/TRVERSE 80CH013	COLLAR ELEVATION 1302.00	AZIMUTH(LEG 1) 215.00	GEOLOGGED BY : WDE +
TOTAL DEPTH/LENGTH 159.72	NORTHING(- IF S) 3382.00	VERTICAL ANGLE -50.00	DATE DY/MON/YR 09/JUL/80
CORE/HOLE DIAMETER B	EASTING (- IF W) 44.50	CO-ORD SYSTEM GRD	PROJECT NUMBER WJV

F . . I N T E R V A L . .	CORE	MF %	TYP-	TEX-	GRAIN	FRACS	..STRUCTURES...	ALY/N	ASSEM.+	MINERALIZATION.	AT	OI
K L ( M T . 2 )	RECOV	OI M ROCK	MINS	QAL	TURES	-- M	S	T D	B	HA HA HA HA HA HA HA HA	LN	RN
E A	-MISS	DE I	TM TH	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.1	IR X TYPE	1 2	1 TX TX	X	I	K	P P. 1	QZ CL CB C2 AB XX HX PY UR YY BM	ZONE	
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	ROC DE P		QAL TX TX	SR SO	SML %	P	B .P B	FL BA C1 C3 MU HA H: CP		HA HW	HOW	
	R.G.D.	U- EN R	COLOR	MIN	MINOR	ON H/	T00 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	7.47	7.47	OVER		P2 D+ P4	D= D+	MA 54
L						P4 P3	MG D+	A2

R	0.00	7.47		WEATHERED BEDROCK PITTED AND STAINED WITH FE AND CU SECONDARY
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R	0.00	7.47		MINERALS. SMALL FRAG CONTAINS 5% CU WITH MG. MA AND AZ ABUNDANT
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R	0.00	7.47		POSSIBLY SUPERGENE OR AFTER CP ON FRACTURES. FRAGMENTS DESTROYED
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R	0.00	7.47		BY ALTERATION.
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/	7.47	7.86	.39	BRPE AB CB 7R4 BR RP 06 26 3	P2 P= P3 P1 P3	D+ D=	JA 45
L				HB1 3G 8T4 35 CC 3	P2 P1	MG D)	GO

R	7.47	7.86		CB AND AB ALTERATION OBSCURES FRAGMENTS.
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/	7.86	14.02	6.16	BROS MG PY RP 13	81 83 D+	D3 D2	MA 65
L				HB4 9TCP 31	P1 P2	H< 7+	A2

R	7.86	14.02		CP OCCURS IN A VARIETY OF WAYS INCLUDING CB VEINS. IN MG AND
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R	7.86	14.02		WITH PY. ACCOMPANYING THE OXIDES AND SULPHIDES IS A PERVASIVE CB-
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R	7.86	14.02		Q2 ALTERATION. MINOR AB OCCURS NEAR THE BOTTOM OF THE INTERVAL.
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R	7.86	14.02		MA, A2, AND L1 ARE RESTRICTED TO FRACTURES. MG OCCURS AS 2-10MM
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R	7.86	14.02		EUHEDRAL CRYSTALS WHILE PY AND CP ARE FINER GRAINED.
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R TAG	12.50	14.02		54514 69060
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/	14.02	18.29	4.27	BRPE AB MG RP 2 FL 15 P2 P2 P= P3 D1 D1	MA 66
L				HB2 7RPV 2	<) P2 H< D+ A2

K	FLG	F.R.O.M	:	T.O.D	I.N.T	RECOV	MF	X	ROCK	TH	TH	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.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

[illegible]

/	60.66	61.57	.91		BRPQ	AB	BR3	BR	RP	07	37	14		P2	<+	P2	P1	P4	D)	D)	56
L				HB2		BT	771			22	FC	23				<)	P1	P1	H<		

## DRILLHOLE/TRVERSE --- 80CH013 --- (CONTINUED)

K	FLG	F.R.O.M	T.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.Q.D		R.U	DE	PV	COLOR	QM2	TX	TX	SR	S0	SML	2	ID	P	AZM	B	PL	2	FL	BA	C1	C3	MU	HA	H:	CP	HA	12	12
R		60.66	73.15																																
R		60.66	73.15																																
R		60.66	73.15																																
R		60.66	73.15																																
/	FLT	61.57	63.09	1.52			X	BRPQ	AB		8R3	BR	RP	07	37	1X		FZ					35		P2	<+	P2	P1	P4		D)	D)		56	
L						HB2			BT		7T1	FZ		22	FC	23											<)	P1	P1		H<				
/		63.09	68.58	5.49				BRPQ	AB		8R3	BR	RP	07	37	14											P2	<+	P2	P1	P4		D)	D)	56
L						HB2			BT		7T1			22	FC	23												<)	P1	P1		H<			
/	FLT	68.58	70.10	1.52			X	BRPQ	AB		8R3	FZ	RP	07	37	1X		FZ					35		P2	<+	P2	P1	P4		D)	D)		56	
L						HB2			BT		7T1			22	FC	23												<)	P1	P1		H<			
R		68.58	70.10																																
/		70.10	73.15	3.05				BRPQ	AB		8R3	BR	RP	07	37	14											P2	<+	P2	P1	P4		D)	D)	56
L						HB2			BT		7T1			22	FC	23												<)	P1	P1		H<			
/		73.15	74.07	.92				BROX	MG	QZ	8R*	BR	RP	06	16	4											P3	>)	P3			D3	D+	57	
L						HB4			8ACB					34	CO	23												V=	P2		H<				
R		73.15	74.07																																
/		74.07	80.31	6.24				BRPE	CB	CL	8A4	BR	GN	06	66	24		FL					40		P2	8=	P3				D)		64		
L						HB2			BT					42	FC	3												V*	P3	P4					
R		74.07	102.72																																
/	FLT	80.31	80.77	.46			X	BRPE	CB	CL	8A4	BR	GN	06	66	24		F/					45		P2	8=	P3				D)		64		
/		80.77	82.60	1.83			X	BRPE	CB	CL	8A4	BR	GN	06	66	24		FL					40		P2	8=	P3		D1		D1	D)		64	
L						HB2			BTMG					42	FC	3												V*	P3	P3		MG			
R		80.77	82.60																																
/		82.60	84.43	1.83				BRPE	CB	CL	8A4	BR	GN	06	66	24		FL					40		P2	8=	P3				D)		64		
L						HB2			BT					42	FC	3												V*	P3	P4					
/	FLT	84.43	85.34	.91			X	BRPE	CB	CL	8A4	BR	GN	06	66	24		F/					40		P2	8=	P3				D)		64		
L						HB2			BT					42	FC	3												V*	P3	P4					
/		85.34	87.48	2.14			X	BRPE	CB	CL	8A4	BR	GN	06	66	24		FL					40		P2	8=	P3				D)		64		
L						HB2			BT					42	FC	3												V*	P3	P4		6+			
/		87.48	89.31	1.83			X	BRPE	CB	CL	8A4	BR	GN	06	66	24		FL					40		P2	8=	P3				D1	D=		64	
L						HB2			BT					42	FC	3												V*	P3	P4		MG			

## DRILLHOLE/TRVERSE --- 80CH013 --- (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	Q2	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	
/	L	89.31	90.74	1.43				BRPE	CB	CL	BA4	BR	GN	06	66	24		FL				40	P2	8=	P3					D)			64		
					HB2			8T						42	FC	3											V*	P3	P4						
/	L	90.74	90.89	.15		X		BRPE	CB	CL	BA4	BR	GN	06	66	24		FL				40	P2	8=	P3					D)			64		
					HB2			8T						42	FC	3											V*	P3	P4						
/	L	90.89	93.57	2.68				BRPE	CB	CL	BA4	BR	GN	06	66	24		FL				40	P2	8=	P3					D)			64		
					HB2			8T						42	FC	3											V*	P3	P4						
/	FLT	93.57	101.80	8.23		X		BRPE	CB	CL	BA4	BR	GN	06	66	45		F2				70	P2	8=	P3					7+			64		
	L				HB2			8T						42	FC	3												P=	P2	P3					
R		93.57	102.72																																
R		93.57	102.72																																
/	FLT	101.80	102.72	.92		X		BRPE	CB	CL	BA4	BR	GN	06	66	8X		FL				45	P2	8=	P3					7+			64		
	L				HB2			8T						42	FC	8												P=	P2	P3					
R		102.72	108.81																																
R		102.72	108.81																																
/	FLT	102.72	104.55	1.83		X		BRPQ	Q2	CB	8T9	BR		07	37	24		F2				70	P4	<=	P2	P1					D=			65	
	L				HB2			8TPY						22	FC	3												V(		P1	P3	D)			
R		102.72	104.55																																
/	FLT	104.55	108.81	4.26				BRPQ	Q2	CB	8T9	BR		07	37	3X		F2				70	P4	<=	P2	P1					D=			65	
	L				HB2			8TPY						22	FC	X												V(		P1	P3	D.			
/	FLT	108.81	130.15	21.34				BRPQ	HE	MU	8R6	F2	BR	07	27	1X		F2				40	P5							CY	D1		LI	33	
	L				HB2			6RQ2						22	FC	X2														P4	TA	HE	D.		
R		108.81	134.11																																
R		108.81	134.11																																
/	FLT	130.15	134.11	3.96		X		BRPQ	HE	MU	8R6	F2	BR	13	27	1X		F2				40	P5							CY	D1		LI	33	
	L				HB2			6RQ2						31	FC	X2		FL				40								P4	TA	HE	D.		
R		130.15	134.11																																
/	L	134.11	139.29	5.18				PLIT	Q2	PY				2			FL					30	P6									6+		95	
					HS0			CP						21																P4		6)			
		134.11	139.29																																
		134.11	139.29																																

ROCK IS SO INTENSELY BLEACHED THAT IT IS DIFFICULT TO DETERMINE  
EXTENT OF BRECCIATION. ROCK IS EITHER HIGHLY BLEACHED ARGILLITE

K	FLG	F.R.O.M	:	T..O	I.N.T	RECOV	MF	%	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
0	---	-----	.	----	----	----	--	---	----	---	---	---	---	---	---	---	---	---	/	---	/	//	-	---	---	---	---	---	---	---	---	---	---	---	---	---
						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	

A 001	0.00	0.00	0.00
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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	ZI
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						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	

A MIN	0.00	0.00	0.00		PPM U	PPM CU	PPM CO	PPM AG	PPB AU	PPM MO		CPS
A LAB	0.00	0.00	0.00		CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX		SCNTRX
A TYP	0.00	0.00	0.00		1H-COR	1H-COR	1H-COR	1H-COR	1H-COR	1H-COR		IN BAG
A 001	7.47	7.86	.39	100.0	J17288	89.0	5200	184	0.6	110	38	120
R TAG	7.47	7.86					54514	69060				
A 001	7.86	9.45	1.59	100.0	J17289	82.0	14400	560	0.6	110	38	140
R TAG	7.86	9.45					54514	69060				
A 001	9.45	10.97	1.52	100.0	J17290	13.0	10000	245	0.6	110	38	120
R TAG	9.45	10.97					54514	69060				
A 001	10.97	12.50	1.53	100.0	J17291	19.5	8700	340	0.6	110	38	120
R TAG	10.97	12.50					54514	69060				
A 001	12.50	14.02	1.52	100.0	J17292	18.0	10400	190	0.6	110	38	120
R TAG	12.50	14.02					54514	69060				
A 001	14.02	15.54	1.52	100.0	J17293	10.0	1100	198	0.6	110	38	120
R TGG	14.02	15.54					54669					
A 001	15.54	17.07	1.53	100.0	J17294	9.5	755	280	0.6	110	38	120
R TGG	15.54	17.07					54669					
A 001	17.07	18.29	1.22	100.0	J17295	4.5	330	92	0.6	110	38	120
R TGG	17.07	18.29					54669					
A 001	85.34	87.48	2.14	71.0	J17296	12.0	4800	130	0.1	50	31	120
R TAG	85.34	87.48					54670	69151				
A 001	93.57	95.10	1.53	80.0	J17297	7.5	130	72	0.1	7	5	130
R TGG	93.57	95.10					54669					
A 001	102.72	104.55	1.83	67.0	J17298	6.0	3500	58	0.1	18	36	120
R TGG	102.72	104.55					54669					
A 001	116.13	117.96	1.83	67.0	J17299	7.0	34	2	0.1	4	12	120
R TGG	116.13	117.96					54669					

## DRILLHOLE/TRAVERSE --- 80CH013 --- (CONTINUED)

[illegible]