MULTIPLE ACCESS COMPUTER GROUP / INTERNATIONAL GEOSYSTEMS CORPORATION 20/12/80.

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

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DRILLHOLE/TRAVERSE 80CH007       COLLAR ELEVATION     1144.00       AZIMUTH(LEG 1)    95.00       GEOLOGGED BY : WDE +
TOTAL DEPTH/LENGTH    84.43      NORTHING(- IF S)     3660.50       VERTICAL ANGLE   -50.00       DATE DY/MON/YR 15/JUN/80
CORE/HOLE DIAMETER        B      EASTING (- IF W)      -46.50       CO-ORD SYSTEM       GRD       PROJECT NUMBER     WJV

   F  . . I N T E R V A L . . CORE   MF %        TYPI-      TEX-   GRAIN  FRACS ..STRUCTURES...  ALT/N ASSEM.+ MINERALIZATION. AI  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 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..O   I.N.T  +PC.1  IR X TYPE  I  2  1   TX TX     X      I    K     P P. 1  QZ CL CB C2 AB XX HX PY UR YY BM ZONE
- --- ----.-- ----.-- ----.-- --.--  -- - ----  -- -- --- -- -- -- --  --- - -- / --- / // -  -- -- -- -- -- -- -- -- -- -- -- --
                                     ROC DE P         QAL TX TX SR SO  SML X     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/  TOO M ID L AZM O  L D                                  I   I
                                     NIT PV OV        2          RD PC  PDW 2     G     T  G 2                                  2   2

/        0.00    5.49    5.49             OVER

/        5.49    9.63    4.14            BRCP MG     8T5 BR RP 07 78  34      FL          65   P1 <) P6 P5       D= D-        83
L                                    HB2      7G     8A4 FL    23 FC  3                             V( <+ P1 P2       H<

R        5.49   27.19                          MINOR PY REPLACING EUHEDRAL MG. MOST MG XTALS RIMMED WITH HE.

R        5.49   27.19                          DO MOST COMMON CARBONATE.

/        9.63   10.67    1.04          X BRCP MG     8T5 BR RP 07 78  34      FL          65   P1 D= P6 P5       D) D-        83

R        9.63   10.67                          CL REPLACING MG.

/       10.67   12.74    2.07            BRCP MG     8T5 BR RP 07 78  34      FL          65   P1 <) P6 P5       D= D-        83
L                                    HB2      7G     8A4 FL    23 FC  3                             V( <+ P1 P2       H<

/ FLT   12.74   16.46    3.72          X BRCP MG     8T5 BR RP 07 78  5X      FZ          75   P1 <2 P5 P4       D+ 00        83
L                                    HB2      7G     8A4 FL    23 FC  82                            V( <+ P= P2       H=

R       12.74   16.46                          APPEARS TO BE 4 SERIES OF 10 TO 60CM FAULTS. SLICKENSIDES COMMON

R       12.74   16.46                          ROCKS IN FAULT ZONES PERVASIVELY CHLORITIZED.

/       16.46   21.98    5.52          X BRCP MG     7T5 BR RP 06 77  33      FL          70   P2 <) P5 P4       D= V-        84
L                                    HB2      7G     7A2 FL    33 FC  1                             V( <+ P= P2       H<

R       16.46   27.19                          IN ADDITION TO CARBONATE AND PELITE FRAGMENTS THIS INTERVAL ALSO

R       16.46   27.19                          CONTAINS APPROXIMATELY 10% QUARTZITE FRAGMENTS. CARBONATE

R       16.46   27.19                          REPLACEMENT RANGING FROM CARBONATIZATION OF FRAGMENTS TO LOCAL
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DRILLHOLE/TRAVERSE --- 80CH007 --- (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	SO	SML	2	ID	P	AZM	B	PL	2	FL	BA	C1	C3	MU	HA	H:	CP		HA	12	12
R		16.46	27.19																																
L						HB2			7G		7A2	FL		33	FC	1								V(	<+	P=	P2		H<						
/	FLT	21.98	22.04	.06			X	BRCL									X	F/		40														
/		22.04	26.61	4.57			X	BRCP	MG		7T5	BR	RP	06	77	33		FL		70				P2	<)	P5	P4		D=	V-			84	
L						HB2			7G		7A2	FL		33	FC	1								V(	<+	P=	P2		H<						
R		26.52	26.52																																
/		26.61	27.19	.58			X	BRCP	MG		8A4	BR	RP	06	77	33		FL		35				P2	<)	P5	P4		D=	<-			94	
L						HB2			7G		7R2	FL		33	FC	1								V(	<+	P=	P2		H<						
R		26.61	27.19																																
/		27.19	28.04	.85				BRCB	MG	CB	8T4	BR	RP	07	58	23		CN		T 00				P2	8=	P5	P1		D=				84	
L						HB2			8T		8A4			23	FC	2								6+	<=	P4	P2		H<						
R		27.19	28.04																																
R		27.19	28.04																																
R		27.19	28.04																																
/		28.04	30.02	1.98				BRPQ			8T2	BR	RP	18	58	23								P4	P=	63			D+				85	
L						HB2					8A4			22	FC	2								V+	V1	P2	P2		H<						
R		28.04	34.93																																
/	FLT	30.02	30.33	.31			X	BRCL									XX	F/		20														
L						HB3										55																			
/		30.33	34.14	3.81				BRPQ			8T2	BR	RP	18	58	23								P4	P=	63			D+				85	
L						HB2					8A4			22	FC	2								V+	V1	P2	P2		H<						
/		34.14	34.44	.30			X	BRPQ			8T2	BR	RP	18	58	23		FL		10				P4	P=	63			D+				85	
L						HB2					8A4			22	FC	2								V+	V1	P2	P2		H<						
/		34.44	34.93	.49				BRPQ			8T2	BR	RP	18	58	23								P4	P=	63			D+				85	
L						HB2					8A4			22	FC	2								V+	V1	P2	P2		H<						
/		34.93	34.99	.06				BROX	MG	BA	8T2	BR	RP	06	47	34		FL		00				P3	6=	P3	P1		D2	D)			54	
L						HB4			6G		8A3			25	FO	3		CN		B 10				61	<+	P2	P1		H<	D(					
R		34.93	44.87																																
/		34.99	37.03	2.04			X	BROX	MG	BA	8T2	BR	RP	06	47	34		FL		00				P3	6=	P3	P1		D2	D)			54	
L						HB4			6G		8A3			25	FO	3		CN		B 10				61	<+	P2	P1		H<	7+					
R		34.99	37.03																																

R 16.46 27.19 RECRYSTALIZATION IS WIDESPREAD. DOLONITE MOST COMMON.

R 26.52 26.52 A 4MM CARBONATE VEIN CONTAINS 40% PY.

R 26.61 27.19 MG DEPLETED, FOLIATION ANGLE CHANGES.

R 27.19 28.04 8MM OF MASSIVE MG AT CONTACT, SHARP BUT NO GOUGE. MG EUHEDRAL

R 27.19 28.04 GRAINS TO 4MM AND IRREGULAR BLEBS TO 10MM. CL REPLACING MG?

R 27.19 28.04 CB ALTERATION PERVASIVE.

R 28.04 34.93 MG OCCURS AS VERY FINE GRAINS IN META-PELITE FRAGMENTS

R 34.93 44.87 BA IN LATE VEINS. CB-CL ALTERATION MAKES MANY FRAGS HARD TO SEE.

R 34.99 37.03 CP DISSEMINATED IN MATRIX, REPLACING MG XTALS, AND IN BA VEINS.

DRILLHOLE/TRAVERSE --- 80CH007 --- (CONTINUED)

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
*	---	----.--		----.--	----.--	--.--	--	-	----	--	--	---	--	--	--	--	---	-	--	/	---	/	//	-	--	--	--	--	--	--	--	--	--	--	--
						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		34.99		37.03						HIGHEST GRADE SECTION 35.8M TO 36.4M ONLY 0.1M RECOVERED. EST 5%																											
R		34.99		37.03						CU. MOST RADIOACTIVE SECTION CONTAINS 10% PY.																											
/		37.03		41.33	4.30				BROX	MG	BA	8T2	BR	RP	06	47	34		FL				00		P3	6=	P3	P1			D2	D)		54	
L							HB4			6G		8A3			25	FO	3		CN		B	10			61	<+	P2	P1			H<	D(			
/		41.33		44.50	3.17			X	BROX	MG	BA	8T2	BR	RP	06	47	34		FL				00		P3	6=	P3	P1			D=	D)		54	
L							HB4			6G		8A3			25	FO	3		CN		B	10			V+	<+	P2	P1			H<	D(			
/		44.50		44.87	.37				BROX	MG	BA	8T2	BR	RP	06	47	34		FL				00		P3	6=	P3	P1			D2	D)		54	
L							HB4			6G		8A3			25	FO	3		CN		B	10			61	<+	P2	P1			H<	D(			
/		44.87		53.34	8.47				BRPC	CB	CL	7A7	BR	RP	18	48	13								P3	71	3	P1			D+			65	
L							HB2			7A		8T1			22	FC	21								V-	<+	P2	P2			H<				
R		44.87		53.34						EUHEDRAL MG ALMOST COMPLETELY REPLACED BY CB AND CL. CB USUALLY																											
R		44.87		53.34						FORMS CORE. CB ALSO ALTERING FRAGMENTS.																											
/		53.34		53.95	.61				BRSO	CP	PY	8T4	BR		06	46	24		FL				30		P+	P2	P3	P1			D1	D2		24	
L							HB4			5GHE					44	CO	3								6=	<=	P2	P=			H>	D1			
R		53.34		53.95						FRAGMENTS REPLACED BY PY, CP, CL, AND CB.																											
/		53.95		55.63	1.68				BRCL	CL	CB	6G4	BR	RP	07	38	13								P1	P4	P3	P1			D)	D)		24	
L							HB3			4G		8T2			33	CC	3								V+	V+	P1	P2			H=				
R		53.95		55.63						CL ALTERATION OBSCURES BRECCIA FRAGMENTS.																											
/		55.63		57.06	1.43				BRCB	CB		7T9	BR	RP	18	88	12								P3	<>	P6	P5			D(	D(		84	
L							HB2			5G					22	CC	2										P=	P+	P1			H>				
R		55.63		57.06						HOMOLITHIC MAY BE VERY LARGE FRAGMENT CRACKLED.																											
R		57.06		62.67						EUHEDRAL CB CRYSTALS COMMON. CB ALTERATION ALSO SIGNIFICANT.																											
/		57.06		59.53	2.47			X	BRCL	CL	CB	7T4	BR		05	26	23								P2	P2	P2	P1			D2	D)		34	
L							HB3			5G					45	CO	2								V+	V+	P1	P1			H<				
R		57.06		59.53						EUHEDRAL MG CRYSTALS.																											
/		59.53		62.67	3.14				BRCL	CL	CB	7T4	BR		05	26	23								P2	P+	P2	P1			D=	D)		24	
L							HB3			5G					45	CO	2								V+	V+	P1	P1			H>				
/		62.67		65.23	2.56				BRCP	CB		7T3	BR	RP	07	27	12								P2	P=	P6	P2			D1	D+		54	
L							HB1			3A		8A2			26	CO	11										<+	P3	P1			HE				
R		62.67		71.32						CL AND CB ALTERATION VERY INTENSE.																											
/		65.23		67.48	2.25			X	BRCP	CL	CB	7T3	BR	RP	08	38	12		FL				40		P2	P2	P4	P2			D1	D+		34	
L							HB1			4G		7A2			13	FC	11										<+	P1	P1			HE				

DRILLHOLE/TRAVERSE --- 80CH007 --- (CONTINUED)

K	FLG	F.R.O.M	T..O	I.N.T	RECOV	MF	%	ROCK	TM	TM	QM1	TX	TX	-+	%M	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
/		67.48	68.58	1.10			X	BROX	CL	HE	7T3	BR	FL	05	26	23		FL				40		P2	P2	P2	P=			D3	D)			14	
L						HB4			2G		8A1			65	FO	11		CN			B	40				<+	P1			HE					
R		67.48	68.58						POSSIBLY A VERY WELL HEALED FAULT ZONE.																												
/		68.58	70.44	1.86			X	BRCP	CB		7T3	BR	RP	07	27	12								P2	P2	P5	P2			D+	D)			44	
L						HB1			4G		8A2			26	CO	11										<+	P2	P1		HE					
/		70.44	71.32	.88			X	BROX	CL	HE	7T3	BR	FL	05	26	13		FL				25		P1	P=	P4	P2			D4	D)			14	
L						HB4			2G		8A1			54	FO	12		CN			Y	25				<+	P2	P=		HE					
/		71.32	75.90	4.58				BRCP	CL	CB	7T7	BR		18	39	13								P3	P+	P5	P4			D1	D)			34	
L						HB2			7G		7A1			13	FC	21										V)	<+	P1	P1	HE					
R		71.32	75.90						SOME VERY LARGE FRAGMENTS ARE ONLY FRACTURED.																												
/		75.90	84.43	8.53				BRPE	AB	CB	6G4	BR		18	39	13								P2	P+	P2	P1	P4		D+	D)			35	
L						HB2			6G		7R4			13	FC	22										V-	<)	P=	P=	HE					
R		75.90	84.43						ALBITIZATION OF FRAGMENTS INCREASES WITH DEPTH. AB VS. CB MAY BE																												
R		75.90	84.43						RELATED TO ORIGINAL COMPOSITION OF FRAGMENTS. GHOSTS OF ORIGINAL																												
R		75.90	84.43						BEDDING STILL VISIBLE.																												

						PPM U	PPM CU	PPM CO	PPM AG	PPB AU	PPM MO	CPS	
A	MIN	0.00	0.00	0.00									
A	LAB	0.00	0.00	0.00		CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	CHEMEX	SCNTRX	
A	TYP	0.00	0.00	0.00		IH-COR	IH-COR	IH-COR	IH-COR	IH-COR	IH-COR	IN BAG	
A	001	34.90	37.03	2.13	57.0 J17211	250.0	4800	355	0.2	12	13	160	
R	TAG	34.90	37.03				53847	68686					5565
A	001	53.34	54.86	1.52	80.0 J17212	126.0	16600	350	0.8	150	69	170	
R	TAG	53.34	54.86				53847	68686					17246
A	001	73.88	75.29	1.41	100.0 J17213	85.0	142	128	0.1	6	8	150	
R	TGG	73.88	75.29				53847	68686					505

/ END