'78-#252-#

DIAMOND DRILL LOGS
DRIFTPILE PROPERTY
LIARD MINING DISTRICT
94K/4

R.C. Carne October 11, 1978

6989
PART II

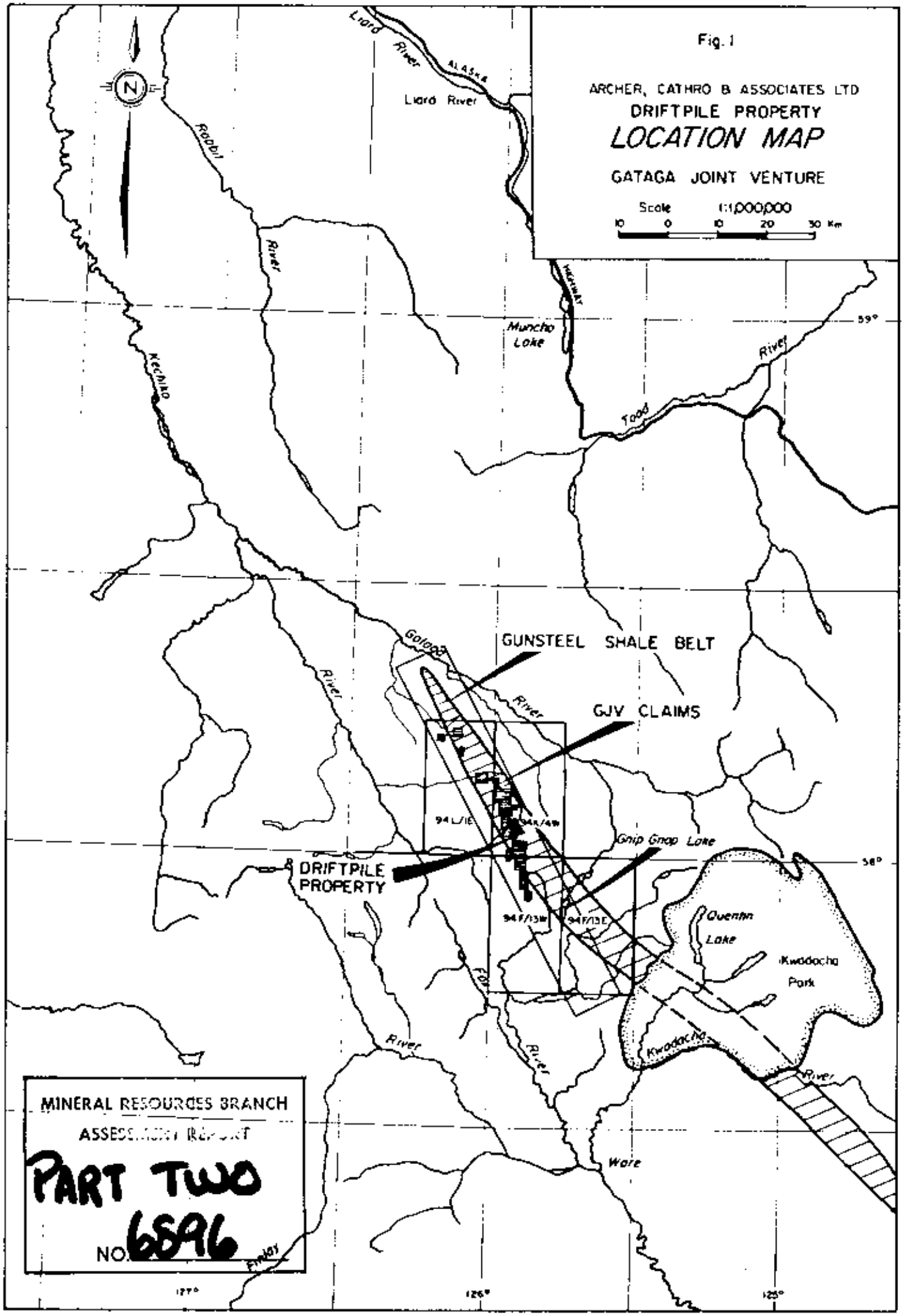
Fig. 1
ARCHER, CATHRO & ASSOCIATES LTD
DRIFTPILE PROPERTY
LOCATION MAP
GATAGA JOINT VENTURE
Scale 1:1,000,000
10 0 10 20 30 Km
N
Liard River
ALASKA
Liard River
Rabbit
River
Muncho Lake
HIGHWAY
Kechika
River
Toad
59°
GUNSTEEL SHALE BELT
Gataga
River
GJV CLAIMS
94 L/1E
94K/4W
Gnip Gnap Lake
58°
DRIFTPILE PROPERTY
94F/13W
94F/13E
Quentin Lake
Kwadacha Park
Fox
River
Kwadacha
River
Wolf
River
Finlay
127°
126°
125°
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
PART TWO
NO. 6896

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. 20+00S, 1+80W DIP -52° AZIM. 055° ELEV. ____ SIZE NQ STARTED JULY 8/78 COMPLETED JULY 21/78 LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE CA Bedding W/E	CORE ANGLE CA Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
	DEPTH 450'																							
	0																							
			OVB CASING																					
	20.0																							
			V.CHERTY BLK ARGL	~4CM BEDS BARITIC(?) SHALE		E/85	/28			X	L									<0.01	0.65	60	<0.5	
	25.0																							
			SOS	~4 MM SLIP (W. SIDE UP) ON CW TR		E/75				X	L									<0.01	1.22	50	<0.5	
	30																							
			SOS	V. STRONGLY DEV'D SLIP CLW		E/70	/30			X	L									<0.01	0.56	65	0.5	
	35																							
			SOS, THIN, SCATTERED V.CARB SHALE INTERVALS	BARITIC(?) BEDS NOW MORE FREQ.		55/S	/27			X	2-3									<0.01	1.02	65	0.5	
	43																							
			LOW-MOD. SIL BLK SHALE (4-6cm)	PYRITIC (DISS) RAD. CHERTS ARGL (2-8cm)		85/SE	/35			X	L									0.01	0.30	55	0.5	
	50																							
			SOS	FRAGMENTS ROTATED ALONG CLW TR ↓↓		50/NE	/38																	
	55																							
			SOS, SHALE BEDS 8-12cm	CHERTY ARGL BEDS (2-4cm)		35/SW	/40							X	TR									
														THIN (0.5-1cm) AT 59.0										
	60																							
			SOS	NO BARITE		50/SW	/35																	
	66.3																							
			MOD SIL, V.CARB PYRITIC BLK SHALE	THIN (1-2cm) RAD. CHERTY ARGL		40/SW	/35	BED THIN AT 67.1		X	L													
	70.4																							
			MOD. SIL, DK. GREY SHALE MASSIVE	GOOD CLW. QZ-CA VEINLETS			/25																	
	73.0																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (°) Bedding W E	CORE ANGLE (°) Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
TUFF(?)			MOD. SIL. V.CARB BLK SHALE 10-20CM	RAD. CHERTY ARGL ~4 CM. BRN-GY, SOFT(ACH) TUFF(?) BED AT 71.0		60/W	\40	X LAM AT 77.8		X	L																		
78.0			SOS	CHERTY BEDS MINNER (6 ICM)		45/SW	\32			X	L																		
84.0			SOS, SLIGHTLY CALC			45/W	\36	X	L	X	L																		
86.0			V.CARB. NON-SIL BLK SHALE	STRONGLY DEF'D AROUND CO_3												NOD	60												
101.5			V.CALC, V.CARB SHALE			55/W										NOD SCATTERED SMALL													
104.0			DOMINATELY CO_3 NOD & QZ-CA VEINS	CALC, V.CARB BLK SHAL	10											NOD V. LARGE													
108.2			V.CARB, LOW-MOD SIL BLK SHALE	QZ-CA VEINS			\35									SCATTERED SMALL													
110.7			DOMINATELY LRGE CO_3 NOD	CALC., V.CARB MOD. S.L. BLK SHALE	20											NOD V. LARGE													
114.0			MOD-V.SIL, V. SLIGHTLY CALC SHALE	IRREG QZ-CA MASSES CONT. ABOUT ROUGHLY EUHEDRAL (~1MM) PYROBITUMEN MASSES			\28	X TO ICM	L	X	L																		
135.0			V.CARB., NON-SIL BLK SHALE	1-2CM BEDS RAD. CHERTY ARGL CO_3 NOD AT 136.0		25/(VERY)	\25			X SOME NODULES	M					NOD													
140.0			SOS	CO_3 NOD AT 144.0		35/(VERY)	\32																						
146.0			SOS	CHERTY ARGL BEDS MORE FREQ.	30	35/	\35																						
156.0																													

→ CO_3 NOD

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3^- Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			SOS	Py & CO_3 AT 160.0, 159.2, 162.5	35/W	36	X				NOD						
							OF CO_3 .5-2CM				& Py		0.05	0.24	65	1.0	
	163.0																
			SOS	Py & CO_3 THROUGHOUT	35/W	36	X				NOD						
							COARSE				SMALL 1-2.5CM		0.04	0.57	50	1.0	
	166.0																
			MOD. SIL., V. CARB BLK SHALE NON-PYRITIC	STRONGLY SHEARED		SHEAR TR E 55					NOD M						
											2-6CM		0.05 / 0.10	0.61 / 0.17	60 / 65	1.0 / 2.0	
	173.5																
			V. GRAPHITIC, BRECCIATED BLK SHALE FAULT ZONE ?	QZ-CA VEINS & BRECCIA MATRIX													
													0.06	0.11	25	<0.5	
	175.6																
			MOD-V. SIL. BLK SHALE	MINOR (<1CM) RADIOLARIAN CHERTY ARGL BEDS	55/E	48		X M									
													0.13	0.36	70	<0.5	
	180.0																
			SOS		25/W	35		X M-H			NOD						
											FEW 1-4 CM		0.16	0.59	90	2.0	
	185.0																
			SOS STRONG SOFT/ SED DEF'N	LRGE CO_3 NOD AT 189.0	35/NW	32	X				NOD						
											LARGE		0.05	0.20	70	2.5	
	190.0																
			SOS V. CONTORTED (SOFT/SED ?)	QZ-CO_3 ARound PYROPHYLLITE (SEE 114-135)			X				NOD						
											LAGE		0.11	0.22	90	3.0	
	195.0																
			SOS	CHERTY ARGL BEDS NOW ~3CM THICK	80/E	30	X										
													0.23	0.49	65	2.5	
	200.0																
			SOS	STRONG SHEAR (W. SIDE UP) & ROTATION ALONG IT	45/E (FLAT)	40	X										
	205.0																
			SOS		39/W	20	X										
	207.8																
			MOD-LOW SIL., BLK SHALE	DISTINCTIVE ELLIPSOIDAL BLEBS FLATTENED ALONG BDG	45/SW	22		X									
								SEE NOTE									
	211.6																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. _____ DIP. _____ AZIM. _____ ELEV. _____ SIZE _____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE (°) Bedding W E	CORE ANGLE (°) Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	% Zn	% Cu ppm	% Ag ppm	% Ba
			SHEARED & GRAPHITIC	QZ-CA VEINS IN SHEARS & BRXY MATRIX													
	214.0		U. SIL, MASS. BLK ARGL	STRONG QZ-CA VEINING MOD BRXY'D WEAK SHEARING		SHEAR E ~R ~40											
	218.0		SOS	NOW SOME CO_3 NOD & PY LAM	05/W (FLAT)	35	X L				NOD						
	219.0		SOS		10/W	28			X	X							
									2 MM	SMALL							
	226.0		SOS	30 CM QZ-CA VEIN AT 229.0	25/W	30											
	230.0		U. SIL, DK. GREY ARGL		16/W		X		X	X	NOD 5						
							2 MM BA		INCL $PbCO_3$		2-4 CM						
	237.3		MOD SIL, U. CARB BLK SHALE			25					NOD						
											2-8 CM						
	246.0		SOS	W. SIDE UP ALONG CLN ~R	50 E (FLAT)	38					NOD						
											2-8 CM						
	253.0		ARN SIL, U. CARB BLK SHALE MASSIVE			30		X									
								IRREG MASSES SCATTERED									
	260.0		SOS		30/W		X				NOD						
							LAM. IN SECT.				269.5 TO 269.8						
	271.0				25/W		40				20	MOD-U. SIL NON-PY BLK SHALE 40					
MIN'D	272.0						CSE & FINE				1-2 CM CO_3 NOD		1.12 / 0.61	6.24 / 2.22	40 / 40	17.5 / 4.0	0.13 / 0.11
	274.0						80				10	2-3 CM BEDS, PYLD SS 10 BLK ARGL					
MIN'D				TIGHTLY FOLDED							LARGE		0.10	3.10	25	1.5	0.32
	276.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D				½-1 CM THICK BLK ARGL NR TOP & BOTTOM	35/W		40				NOD 20 .5-1 CM	V. FINELY LAM, PYRITIC (DISS) CHERTY ARGL 40	COMP 0.29	COMP 3.15	COMP 25	COMP 1.0	COMP 0.57
	276.8																
MIN'D			V. CONTORTED	BLK PY (DISS) ARGL BEDS AT 277.6 (2CM), 277.9 (3CM), 279.6 (1.2CM)	18/W		20 3-4 MM				NOD 60 TO 2CM	CHERTY ARGL (DISS PY) 20	COMP 0.29	COMP 3.15	COMP 25	COMP 1.0	COMP 0.57
	282.0																
MIN'D				BLK ARGL BEDS AT 283.0 (2.3CM) 286.0 (2 CM) 286.7 (2 CM)	22/W		50 TO 3CM				NOD 35 <1CM	CHERTY ARGL LAM 15	0.31	3.26	20	1.5	0.08
	288.01		MASSIVE, MOD SIL, V. CARB, VEINING BLK ARGL		25/W			X <1% FINE					COMP 0.12	COMP 1.41	COMP 20	COMP 1.0	COMP 0.07
	289.3																
MIN'D				289.8 - 2CM MOD SIL, V. CARB BLK ARGL	26/W		25 2-3 MM				NOD 60 TO 3CM AVG 0.5	CHERTY ARGL LAM 15	COMP 0.12	COMP 1.41	COMP 20	COMP 1.0	COMP 0.07
	291.1		V. CARB, LOW SIL BLK ARGL					L FINE									
	291.4																
MIN'D					27/W		80 0.6 CM THIN DIS				NOD 20 TO 1.2CM						
	291.9																
			LOW-MOD SIL, V. CARB BLK ARGL MASSIVE			35	X "FUZZY" NR TOP				NOD 4CM DEC DIS						
	297.1																
MIN'D				V. CONTORTED	40/W		30 V. FINELY LAM				NOD 30 0.6-2CM	BLK. PY (LAM) V. SIL BLK SHALE 40	COMP 0.16	COMP 2.39	COMP 30	COMP 1.0	COMP 0.09
	300.8																
MIN'D				12CM CO_3 BED(?) AT 302.9	31/W		60 FINELY LAM				40 <0.1 TO ~1CM DIS		COMP 0.16	COMP 2.39	COMP 30	COMP 1.0	COMP 0.09
	303.6		V. CARB, LOW SIL MASSIVE, NON-PY BLK ARGL				60										
	304.9																
MIN'D					17/W		60 THIN TO ~1CM				NOD 40 <1CM BEDS(?)		COMP 1.30	COMP 1.76	COMP 20	COMP 1.0	COMP CCK
	305.8																

COMP = COMPOSITE ANALYSES

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE (CA) Bedding W E	CORE ANGLE (CA) Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D							5 INTERNOD COARSE				NOD 80	INTERNOD SILICEOUS ARGL 15	COMP 1.30	COMP 1.76	COMP 20	COMP 1.0	COMP 0.06
	307.2		BANDED PY & CO_3 SECTIONS 3-5 CM THICK	CHERT ARGLAT 310.9, 311.4, 311.9, 312.4, 313.1, 314.0, 314.6, 316.6 (1-25 CM)	21 W		40 LAM				NOD 40 <1 CM - 5 CM	LOW-MOD SI BLK CARB ARGL BDG (1-2.5 CM) 20	0.11 COMP 0.34	1.44 COMP 1.68	25 COMP 30	1.0 COMP 1.0	0.08 COMP 0.07
MIN'D	319.4		U. SIL., BLK ARGL		18 W		X	X H			NOD LRGE		COMP 0.34	COMP 1.68	COMP 30	COMP 1.0	COMP 0.07
	319.6		FINELY BEDDED, V. CARB, LOW SI BLK ARGL				X FINELY LAM						COMP 0.34	COMP 1.68	COMP 30	COMP 1.0	COMP 0.07
MIN'D	319.8				08 W		40 FINELY LAM				NOD 5 SMALL	MOD SI ARGL LAM. 50	COMP 0.10	COMP 1.13	COMP 30	COMP 1.0	COMP 0.08
MIN'D	320.5						15 MINOR LAM INTERPIT				65 V. LRGE	INTERNOD BLK PYRITIC ARGL 20	COMP 0.10	COMP 1.13	COMP 30	COMP 1.0	COMP 0.08
	322.0		MOD. SIL. BLK ARGL	SOFT SED DEFORMATION			X 3 MM "FUZZY"						COMP 0.10	COMP 1.13	COMP 30	COMP 1.0	COMP 0.08
MIN'D	322.3				12 W		20 LAM				80 V. PYRITIC (INTERSTIT)		COMP 0.10	COMP 1.13	COMP 30	COMP 1.0	COMP 0.08
	324.5		MOD-V. SIL, V. CARB WELL BEDDED BLK SHALE	THIN, COARSE SILTSTONE BEDS (2-4 CM) SOFT SED INC AT TOP	25 W												
	330.6		THINLY LAM, SILTY BLK SHALE, V. FISSILE GOOD PARTING IN BDG		40 E	30	X THIN ENTRY 1.5 CM										
	335.0		SOS	SILICEOUS INTERBEDS W QZ-CA BLBS	10 W	25											
	340.0		SOS, BDG PARTING V. SIMILAR CLV. LESS DISTINCT		20 W	35											
	345.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W	CORE ANGLE Bedding E	CORE ANGLE Structure W	CORE ANGLE Structure E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			SOS		20/W				TO 5 MM																					
	360.0																													
			SOS	V. GOOD PARTING ON BDG PL	28/W				EVERY 4-6 MM																					
	355.0																													
			SOS		38/W		35		EVERY 2-4 MM																					
	360.0																													
			SOS		15/W		40																							
	367.0																													
			MOD-V. SIL. MASSIVE BLK ARGL								X	L																		
	370.0																													
			SOS	BADLY BROKEN UPPT ~20% REC BRECCIATED							X	L																		
	375.0																													
			SOS	FAULT? AS ABOVE GRAPHITIC							X	L																		
	380.0																													
			MOD SIL., V. CARB BLK SHALE, NON-PYRITIC	BADLY BROKEN ~20% REC																										
	385.0																													
			SOS SILICA CNT INC GRAD.	~20% REC																										
	390.0																													
			MOD-V. SIL. BLK SHALE	~50% REC MASS PY BED AT (2.5CM) 395.0	28/W		35		BED	X																				
	395.0																													
			SOS	SIMILAR PY BED AT 397.0					BED	X																				
	400.0																													
			SILICEOUS BLK SHALE AS ABOVE		5/W		40		LAM. TO 2 MM OCCASIONAL																					
	405.0																													

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-01

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			MUD.SIL. BLK SHALE POOR PARTING ON BDG.			12/W	37	LAM EVERY 1-2 MM																					
	410.0		SOS			33/SW	25	LAM																					
	415.0		SOS			15/W	35	LAM NOW V. THIN																					
	420		SOS			18/W	35	LAM THICKER AT BASE																					
	424.6		SOS BRXY AT 430 CEMENTED W/ QZ-CA	CALC. SECTIONS AT 427.4 & 425.4 (SPM), PYRITE				LAM																					
	430.0		NON-PYRITIC, SLIGHTLY GRITTY BLK SHALE	BEDDING & VARIABLE BUT NOT BRECCIATED		25/W																							
	435.0		SOS, NOW MUD TO V. SIL.	SCATTERED PY LAM		18/W	35	LAM COARSE 2MM																					
	440.0		SOS.			TIGHT FOLDS		LAM THIN SCATTERED																					
	445.0		SOS FAULT AT 450?	V. POOR REC BRECCIATED QZ-CA MATRIX				THIN SCATTERED																					
	450.0																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-02

COORD. 16+00S, 0+90W DIP -55° AZIM. 055° ELEV. ____ SIZE BQ STARTED July 22/78 COMPLETED July 23/78 LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
	DEPTH 18'																												
	0																												
O.O. O.O			OVB (CASING)																										
	20.0		LOW-MOD SILICEOUS V.CARB, BLK SHALE			90 / SE	45	X EVERY 3-4MM THIN																					
	25.0		LOW-MOD SILICEOUS V.CARB, BLK SHALE			90 / SE	43	X THIN, EVERY 3-4 MM																					
FAULT ZONE	27.0		QZ-CO_3 VEINS & BRECCIA MATRIX CORE BROKEN, NOT SHEARED																										
	29.1		LOW-MOD SIL., V.CARB BLK SHALE			38 / SW	59	X THIN, CONT. EVERY 3-4 MM																					
POKER CHIPS	35.0		SOS			40 / SW	53	X DISCONT., 2-3MM APART																					
	43.0		SOS, Py LAM NOW BLEBBY AT BASE			45 / W	48	X																					
SHEAR ZONE	48.0		V. SHEARED SHALE AS ABOVE NEAR TOP, AS BELOW @ BASE; HW/FW CONT AT 52.5	QZ-CA VEINLETS ALONG SHEAR PL; AS BRECCIA MATRIX			55 / SHEAR PL																						
	79.6		MOD-V.SIL, V. CARB. BLK SHAL SLIGHTLY GRITTY			30 / W	50	X 4MM OCCAS. BEDS		X SCATTERED BLEBS																			
	85.0		V. SILICEOUS BLK ARGL 12MM V.CALC SHALE BED @ 85.8	RADIOLARIAN CHERTY ARGL BEDS EVERY 4-5 CM, PYRITIC		30 / W		X 2-4MM BEDS, SCATTERED																					
	90.0		SOS			23 / SW	55	X SOS																					
	95.0																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-02

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			SOS	RADIOLARIAN CHERTY ARGL NOW DOMINANT EVERY 0.5-1.0CM		23/W	48/	X THIN, SCATTERED																					
	98.8		UNIFORM MOD. TO V. SIL., SLIGHTLY GRITTY BLK SHAL	THIN & SCATTERED RADIOLARIAN CHERT BEDS		38/W	53/	X 1-3MM FREQ.		X SMALL COMMON																			
	105.0		SOS	SOS		45/W	45/	SOS		SOS																			
SHR	107.6		LOW-MOD SIL THIN BEDDED BLK SHALE			53/W		X THIN, EVERY 1-2 MM																					
SHR	111.8		MASSIVE, BLK, V. SILICEOUS ARGL INC. IN SILICA D/S	LARGE CO_3 NOD (5-10 CM) BLEBBY BARITE @ 113.6		30/W				X NOD ↑ TO BARITE				X 2-4CM BED		NOD LARGE 5-10CM													
	113.6		MOD. SILICEOUS, V. CARB, MASSIVE BLK. ARGL	BLEBBY BARITE @ 116.2		30/W	55/							X THIN BED															
MIN'D	117.0			BARITE BEDS SOFT SED CONTORTED		35/W	50/	X 10 TT SL @ 117.2				X	15			NOD 5 61.5 CM		BLK CHERTY ARGL BEDS	70	X 0.1		X 0.19		36	X	0.1	X	X COMP 2.22	
	119.0		V. PYRITIC, MASSIVE CHERTY BLK ARGL PS & D/S TO MASSIVE @ BASE			47/W	58/			X	VH									X 0.02		X 0.01		22	X	0.4	X	X COMP 2.22	
	120.4		BLK, MOD SIL, V. CARB ARGL	QZ-CA TENSION GASHES ⊥ BDG		45/W														X COMP 0.03		X COMP 0.03		COMP 28	X	COMP 0.1		X COMP 2.22	
	121.0		V. SILICEOUS BLK ARGL	BLEBBY BARITE @ 121.3		38/W				X IN MID-SECTION	H			X HORIZON						X COMP 0.03		X COMP 0.03		COMP 28	X	COMP 0.1	X	X COMP 2.22	
MIN'D	123.5					34/W		X 15 MINOR SL				X	5			NOD 20 2-6 CM		BLK. V. SIL ARGL BEDS	60	X 0.04		X 0.35		36		0.8	X	X COMP 2.22	
	126.0		MOD-V SIL. MASSIVE BLK ARGL			30/W	42/	X THIN, EVERY 5-6CM												X 0.06				18	X	0.2	X	X COMP 2.22	
	129.2																												

COMP = COMPOSITE ANALYSIS

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-02

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3^- Type Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz Ag	ppm	% Ba	ppm
MIN'D				4CM BED SL-GL AT 120.8; LOW-MOD INTERST SL IN PY		25/W		X	35							NOD 1-2 CM	50	MOD-V. SIL BLK ARGL BEDS & LAM	15	X 0.28		X 1.54		X 20		X 0.1		X 9.50	
	132.0																												
			V. SIL, MASSIVE BLK ARGL	FAIR SL IN PY		10/W		X ZONE 132.5-132.8												X 0.15		X 206		X 18		X 0.1		X COMP 9.50	
	133.2																												
MIN'D			INTERBEDDED CHERTY BLK ARGL →	6-10CM ZONES OF CO_3-PY-BA		5/W		X 2-4 MM	35			X BR. BASE	5			NOD	60			X 0.03		X 0.92		X 16		X 0.1		X COMP 9.50	
	136.0																												
MIN'D				MINOR $BaCO_3$ IN BARITE FAIR SL LAMIN BARITE		5/W		X 1-2 MM BIN BED & BASE	30			X	50			NOD	10	SCATTERED CHERTY ARGL 2-4 CM BEDS	10	X AVG 0.04		X AVG 1.47		X AVG 29		X AVG 0.1		X COMP 9.50	
	139.0																												
			MASSIVE CHERTY BLK ARGL				35/			X	F									X 0.05		X 0.05		X 14		X 0.1		X COMP 9.50	
	140.5																												
MIN'D				MINOR $BaCO_3$ IN BARITE		15/W		X COARSE (1-2CM) THIN	20			X	40			NOD 1-6CM	20	DARK GY BARITIC(?) CHERTY ARGL (2-5 CM)	20	X AVG 0.03		X AVG 1.23		X AVG 15		X AVG 0.1		X COMP 9.50	
	144.0																												
MIN'D				GOOD GL-SL LAM 145.8		20/W		X COARSE	20			X	40			NOD	20	DARK GREY BARITIC(?) CHERTY ARGL (2-4 CM)	20	X 0.10		X 2.09		X 14		X 0.6		X COMP 9.50	
	146.0																												
MIN'D				GOOD SL-GL 146.6-146.8		18/W	35/	X 1-2 MM	30			X	20			NOD	30	DARK GREY BARITIC(?) CHERTY ARGL (2-4 CM)	20	X AVG 0.30		X AVG 2.77		X AVG 18		X AVG 0.4		X COMP 1.73	
	150.0																												
MIN'D				150.0-150.4 BLK, MOD. SIL MASSIVE ARGL				X	40							NOD	60			X 0.32		X 1.04		X 34		X 0.6		COMP 1.73	
	151.2																												
			MASSIVE, LOW-MOD. SIL, U. CARB BLK ARGL																	X 0.12		X 0.08		X 12		X 1.0		COMP 1.73	
	152.6																												
MIN'D						15/W		X	20			X	10			NOD	30	PYRITIC(?) CHERTY BLK. ARGL BEDS	40	X 0.23		X 5.22		X 20		X 0.2		COMP 1.73	
	154.0																												
MIN'D						02/W		X	30							NOD	40	CHERTY BLK ARGL BEDS	30	X 0.22		X 2.61		X 20		X 0.8		
	156.0																												

AVG = AVERAGE OF TWO ASSAY INTERVALS; COMP = COMPOSITE ANALYSIS

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-02

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3^- Type Size	CO_3^- %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
MIN'D						05/W		X	50							NOD	30	CHERTY, PYRITIC (LAM) BLK ARGL BEDS	20	X	0.42	X	1.56		18	X	0.4	X	COMP 1.73
	158.0																												
MIN'D						05/W		X	50							NOD	35	CHERTY, PYRITIC (DISSEM) DK.GY (Ba?) ARGL TO	35	X	0.08	X	1.49		16	X	0.6	X	COMP 1.73
	160.0																												
MIN'D						21/W		X	50							NOD	30	CHERTY, PYRITIC (LAM) BLK ARGL BEDS	20	X	AVG 0.12	X	AVG 1.56		AVG 15	X	AVG 1.8	X	COMP 1.73
	162.7																												
			MOD-V.SIL, V. FISSILE V.CARB. BLK ARGL			23/W	35	X																					
								THIN ~1MM APART																					
	167.0																												
			SOS, SOFT-SED FOLD @ 167.2			16/SW	36	X																					
								THIN ~3-4MM APART																					
	174.0																												
			SOS, WITH → STRONG SOFT SED. FOLDING	V.SIL. TO CHERTY, RAD. ARGL BEDS TO 1CM		90/E		X																					
								SOS																					
	175.5																												
			MOD. SIL. BLK ARGL V. CONTORTED (SOFT-SED)			E/80	40	X																					
								THIN ~2-3MM APART																					
	180.0																												
			SOS CONTORTED					X																					
								SOS																					
	185.5																												
			LOW-MOD. SIL, V. CARB BLK ARGL			32/W	53	X																					
								THIN ~1-2MM APART																					
	190																												
			SOS			30/W	48	X																					
								SOS																					
	195																												
			SOS			26/W	42	X																					
								SOS																					
END	198																												

AVG = AVERAGE OF TWO ASSAY INTERVALS

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD 16-00S, 0+70W DIP -90° AZIM. — ELEV. ____ SIZE BQ STARTED JULY 20/78 COMPLETED JULY 26/78 LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
	DEPTH 321'																												
	0																												
			DVB CASING																										
	20																												
			MOD VERY SIL., THRMC BLK SHAL			42/W		X																					
								SHALE BLEBS - 2-4mm AP.																					
	25																												
			SOS PY DEC. D/S.			46/W		X																					
								SOS 4-5 MM APART																					
	30																												
			LOW-MOD. SIL SOS PY DEC. D/S			45/W	VERT	X																					
								5-8 MM APART																					
	35																												
			SOS			52/W		X																					
								SCATTERED																					
	40																												
			SOS FOLD NEAR BASE			60/W		X																					
								THIN, 2-3 MM APART																					
	48																												
			SOS, NOW MOD SIL, U. CARB BLK SHALE			35/W		X																					
								THIN, 2-3 MM APART																					
	56																												
			SOS			40/W	VERT	X																					
								THIN, 3-8 MM APART																					
	60																												
			SOS, MINOR SHEARING, FOLD NEAR BASE			45/W		X																					
								THIN, 2-3 MM APART																					
	65																												
			SOS			W/25		X																					
								BLEBS 7-10 MM APART																					
	70																												
			SOS, SLIP ON W. SIDE 10 MM UP			10/W		X																					
								SOS, DEC D/S																					
	75																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Blob. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			LOW SILICEOUS, V. CARB BLK SHALE			5/W		X DISCONT. 1-2CM APART																					
	80.0																												
			SOS, CONTORTED NR TOP			40/W		X SOS																					
	82.3																												
			LOW-MOD SIL. V. CARB BLK SHALE			30/W		X THIN, EVERY 2-3 MM																					
	85.0																												
"POKER-CHIP"?			SOS, CONTORTED NR TBASE			45/W		X DISCONT. EVERY 2-4 CM																					
	88.0																												
			SOS, V. CONTORTED				65 S S S SHEAR TR	X V. THIN EVERY 2-3 MM																					
	91.0																												
			SOS, VERY SHEARED, BRECCIATED					X SOS																					
	95.0																												
			SOS, HIGHLY SHEARED					X SOS																					
	99.3																												
			SOS, MOD. SHEARED				75 S S S SHEAR TR	X SOS																					
	104.5																												
			EXTREMELY SHEARED SOS																										
	109.0																												
			EXTREMELY SHEARED MOD. SIL. BLK ARGL	CHERTY BLK ARGL INTERBEDS.			70 S S SHEAR TR																						
	120.0																												
			MASSIVE QZ CA VEIN																										
	124.0																												
			V. SIL, V. CARB. BLK ARGL, PYRITIC V. CONTORTED	RAD. CHERTY ARGL INTERBEDS.				X COARSE 2-5 MM THICK																					
	130.0																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. ____ DIP. ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS %	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Blab. % Size	CO_3^- Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			SOS, AS ABOVE			40 S SSHEAR S IR	X COARSE 2-4 MM THICK										
	135.0		V. SILICEOUS BLK. ARGL W SCATTERED CO_3 NOD	CHERTY ARGL DK GREY, RAD. INTERBEDS							NOD SCATTERED LARGE						
	140.0		MASSIVE, V. CARB, MOD SIL. BLK ARGL		63/W		X SCATTERED 2-8 MM THICK										
	147.5		V. SILICEOUS BLK. ARGL CONTORTED	DK. GREY RAD. CHERTY ARGL INTERBEDS													
SHEAR ZONE	149.0		MASSIVE QZ-CA VEINS, BRKY MATRIX VEINLETS			65 S SSHEAR S IR											
	156.5		MOD SIL., NON-PY, SLIGHTLY GRITTY BLK. ARGL	OCCASIONAL RAD. CHERTY ARGL INTERBEDS PYRITIC			X COARSE 2-6 MM THICK										
	162.0		V. SIL. BLK SHAL	BLEBBY BARITE HORIZONS MINOR CO_3 NOD IN BARITE	55/W		X THIN			X 10-15 CM THICK	NOD IN BARITE						
	165.1		MOD SHEARED MOD SIL., V. CARB BLK ARGL NON-PYRITIC														
	171.0		MOD SIL. V. CARB. BLK. ARGL		60/W		X THICK W BARITE			X 3-5 CM THICK BEDS	NOD LARGE SCATTERED						
	175.0		V. CARB, NON-SIL, NON-PY, MASSIVE BLK ARGL														
	176.6		CARB., NON-SIL, V. SLIGHTLY GRITTY BLK ARGL	PY-CO_3 SEDIMARIAN NOD. AT 185'D	45/W												
	187.0		MASSIVE, BLK, VFG, V. CARB NON-SIL, NON-PY, ARGL		40/W												
	194.8																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			MASSIVE, BLK, V. CARB, NON-SIL, NON-PY, SLIGHTLY GRITTY ARGL																										
	201.9		MASSIVE, BLK, V. CARB, NON-SIL, NON-PY, VFG ARGL																										
	202.0		MASSIVE, DK. GREY TO BLK, NON-PY, SLIGHTLY GRITTY ARGL																										
	207.5																												
MIN'D				INTERSTITIAL SL. IN CO3 NOD 10 CM CHERTY, PY. ARGL AT BASE		58/W			30							NOD RELICT BDG.	40	BARREN, V. CARB, ARGL BEDS 3-4CM THICK	30	X 0.17		X 164		X 30		X 1.6		X COMP 5.78	
	210.0																												
MIN'D						65/W			25				5			NOD RELICT BDG	30	MOD-LOW SIL PYRITIC (FINE LAM) BLK ARGL BEDS	40	X AVG 0.15		X AVG 1.45		X AVG 21		X AVG 1.3		X COMP 5.78	
	214.0											BASAL 20CM ONLY																	
MIN'D						60/W			15				10			NOD RELICT BDG	20	PYRITIC (LAM & DISSEM) CHERTY ARGL BEDS TO 6 CM	55	X AVG 0.04		X AVG 1.17		X AVG 18		X AVG 0.7		X COMP 5.78	
	218.0											THIN																	
MIN'D						77/W			15				10			NOD	20	SOS	55	X 0.03		X 0.90		X 20		X 0.1		X COMP 5.78	
	219.3											THIN																	
			MOD. SIL., V. CARB MASSIVE BLK ARGL																	X 0.04		X 0.26		X 12		X 0.1		X COMP 5.78	
	221.9																												
MIN'D				5CM. PYRITIC CHERTY ARGL BED AT BASE		60/W			40				10				40	INTERLAM. CHERTY ARGL	10	X 0.05		X 0.89		X 26		X 0.4		X COMP 5.78	
	223.0											LAMINAE				RELICT BDG													
MIN'D									40				20				40			X 0.05		X 1.00		X 16		X 0.6		X COMP 5.78	
												LAMINAE																	
	225.0		BADLY BROKEN & SHEARED CORE				W S S SHEAR R		30				10				30	INTERLAM CHERTY ARGL.	30	X 0.03		X 0.98		X 20		X 0.2		X COMP 5.78	
MIN'D												LAMINAE																	
	227.0																												
MIN'D						24/W			20				5				20	V. SILICEOUS PYRITIC (DISS), V. CARB BLK ARGL	55	X 0.03		X 1.49		X 26		X 0.1		X COMP 7.98	
												LAMINAE																	
	228.0																												

COMP = COMPOSITE ANALYSES. ; AVG = AVERAGE OF TWO ANALYSES

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3^- Type Size	%	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
			MOD. SIL, U. CARB BLK., MASSIVE, ARGL							X										0.04	0.03	12	0.1	COMP 7.98
	230.9																							
MIN'D						23/			45				50					THIN, SCATTERED CHERTY BLK ARGL LAM	5	0.03	0.71	22	0.6	COMP 7.98
								~4 MM				THIN BDD INCL BaCO3												
	232.0																							
MIN'D						35/W			15				40			NOD	15	CHERTY PYRITIC LAM (DISSEM) BLK ARGL	30	0.03	1.22	24	0.4	COMP 7.98
								THIN BEDS				THIN BDD INCL BaCO3												
	234.0																							
MIN'D						40/W			15				30			NOD	50	BLK. CHERTY ARGL LAM, PYRITIC LAMS DISSEM, 2-4 CM BEDS	5	0.04	1.39	18	0.2	COMP 7.98
								LAM				LAM. INCL BaCO3				RELICT BDG								
	236.0																							
MIN'D						45/W			35				5			NOD	30	THIN (4 CM) CHERTY, PYRITIC LAM BLK ARGL BEDS	30	0.05	1.79	25	2.5	COMP 7.98
								LAM.				THIN BDD INCL BaCO3				RELICT BDG								
	238.0																							
MIN'D				SHEARED AT BASE		50/W			25				30			NOD	40	4 CM THICK CHERTY BLK PYRITIC (DISS) ARGL BEDS	5	0.05	1.02	25	1.5	COMP 7.98
								LAM				THIN BEDS INCL BaCO3				RELICT BDG								
	240.0		MOD. SILICEOUS, MOD. CARB, LOW-S BLK ARGL	BADLY SHEARED, NOT BROKEN			40 S 5 S 1/3 WEAR B													COMP 0.17	COMP 0.89	COMP 20	COMP 2.5	COMP 7.98
	241.6																							
MIN'D				SHEARED		55/W			65							NOD	30	CHERTY BLK ARGL LAM	5	COMP 0.17	COMP 0.89	COMP 20	COMP 2.5	COMP 7.98
	242.0																							
MIN'D				SHEARED AT TOP		60/W			40							NOD	30	CHERTY BLK ARGL THIN BEDS	30	0.39	1.43	25	2.0	COMP 7.98
	244.0																							
MIN'D						40/W		FINELY LAM	40							NOD	50	THIN, BLK SCATTERED CHERTY ARGL BEDS	10	0.20	1.96	40	3.0	COMP 7.98
	246.5		NON-SIL, U. CARB, MASSIVE BLK ARGL							LAM														
	252.5																							
MIN'D			SOS, 8 CM BED MIN.N AT 252.8						50							NOD	40	CHERTY BLK ARGL LAM	10	0.10	0.64	30	2.0	COMP 0.25
	253.5																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Blob. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
			SOS, AS ABOVE																	COMP 0.21	COMP 1.59	COMP 35	COMP 3.0	
	254.3																							
MIN'D						40/W		2-4MM	50							NOD RELICT BDG	40	THIN BEDDED CHERTY ARGL	10	COMP 0.21	COMP 1.59	COMP 35	COMP 3.0	
	256.0																							
MIN'D						35/W			25							NOD	40	CHERTY PYR (LAM) BLK ARGL BEDS TO 5CM	35	0.16	1.51	25	1.0	
	258.0																							
MIN'D								FINELY LAM	25							NOD SMALL TO LARGE	70	THIN CHERTY BLK ARGL BEDS	5	0.95	1.09	20	2.0	
	260.0																							
MIN'D						45/W		FINELY LAM	50							NOD	20	CHERTY BLK ARGL BEDS (2-3CM) & LAM	30	0.26	1.39	25	2.0	COMP 0.25
	262.0																							
MIN'D									30							NOD	30	CHERTY BLK ARGL THIN BEDS, PYRITIC (LAM)	40	0.59	1.30	25	2.0	COMP 0.25
	264.0																							
MIN'D						60/W			50							NOD	40	THIN BEDS CHERTY BLK ARGL	10	0.22	1.15	30	2.5	COMP 0.11
	266.0																							
MIN'D						55/W		FINELY LAM	50							NOD RELICT BDG	45	THIN LAM CHERTY BLK ARGL	5	0.24	3.15	20	2.0	COMP 0.11
	268.0																							
MIN'D			LOWER HALF BADLY BROKEN			50/W		FINELY LAM	30							NOD LRGE 4-6CM	35	CHERTY BLK ARGL THIN BEDS & LAM	35	0.16	1.08	25	2.0	COMP 0.11
	272.0																							
MIN'D			BADLY BROKEN & SHEARED						10							NOD	60	CHERTY BLK ARGL THIN BEDS	30	0.10	2.05	25	2.0	COMP 0.11
	274.0																							
MIN'D						30/W		THIN BEDDED	30							NOD	40	CHERTY BLK ARGL THIN BEDS	30	0.12	1.26	20	2.0	COMP 0.11
	276.0																							
MIN'D						20/W		FINELY LAM	45							NOD	30	FINELY LAM PYRITIC (LAM) CHERTY BLK ARGL.	25	0.17	0.53	30	1.0	0.11
	277.5																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	% ppm Zn	ppm Cu	ppm Ag	% Ba
			MOD-LOW SIL, U.CARB, BLK ARGL	THIN FLT GOUGE & BRKY ZONE 278.3-279.0						LOW FINELY DISSEM														
MIN'D	282.4					35/W			20							NOD LRGE RELICT BDG	50	CHERTY, ARGL, PYRITE (LAM)	30	0.09	0.82	30	1.0	COMP 0.08
MIN'D	284.0			THIN BRKY ZONE 284.8-285.2		40/W			20							NOD	45	CHERTY BLK ARGL, PYRITIC (LAM)	35	0.22	0.69	20	1.5	COMP 0.08
MIN'D	286.0					50/W			30							NOD LRGE RELICT BED.	60	BLK, PYRITIC (LAM) CHERTY ARGL	10	0.30	0.85	20	2.0	COMP 0.08
MIN'D	288.0					48/W			60							NOD SMALL (<2CM)	30	BLK, PYRITIC (LAM) CHERTY ARGL	10	0.69	1.73	20	1.5	COMP 0.08
MIN'D	290.0					55/W		THIN BDD (2-4 MM)	50							NOD MED. (2-4CM)	10	BLK, PYRITIC (LAM) CHERTY, ARGL	40	0.12	1.59	20	3.0	COMP 0.08
MIN'D	292.0								40							NOD (2-4 CM)	30	BLK, PYRITIC (LAM) CHERTY ARGL	30	0.16	1.15	25	1.0	COMP 0.08
MIN'D	294.0							FINELY LAM	70							NOD 4-5 CM	30			0.17	0.82	20	3.0	COMP 0.08
MIN'D	295.0					60/W			30							4-6 CM	50	BLK, PYRITIC (LAM) CHERTY ARGL	20	0.95	0.52	30	4.0	COMP 0.08
	298.5		U. SILICEOUS, V.CARB BLK SHALE			64/W		EVERY 2-4 MM																
	303.5		MOD-V. SILICEOUS SLIGHTLY GRITTY BLK SHALE			52/W		X		LOW														
	310.2		LOW-MOD. SIL. V.CARB, BLK SHALE	OCCASIONAL 4-6 CM, RAD. CHERTY ARGL BEDS.		55/W	83/	EVERY 6-10 MM																
	314.0																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-03

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			LOW-MOD SILICEOUS, J. CARB BLK SHALE	HIGHLY SHEARED AT BASE			78 S S SHEAR 15	EVERY 6-10 MM																					
END																													

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-04

COORD. 4+77S, 0+00W DIP -50° AZIM. 055° ELEV. ____ SIZE BQ STARTED July 27/78 COMPLETED Aug. 1/78 LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (°) Bedding W–E	CORE ANGLE (°) Structure W–E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3^- Type Size	CO_3^- %	OTHER Description	%	ANALYSES % Pb	ppm Zn	ppm Cu	ppm Ag	% Ba
	DEPTH 225'																							
	0																							
			DOB CASING																					
	20.0																							
			LOW. SIL., MOD. SILTY BLK SHALE			35/W	55	X DISCONT. EVERY 2-3 MM																
	25.5		80% QZ-CA VEIN 20% BRECCIATED ABOVE UNIT	65% REC.																				
MIN'D	30.0					25/W		X BEDS OF BARITE					40					PYRITIC (DISS. ALONG BDG) CHERTY BLK ARGL c 2-3CM	60	0.04	0.58	25	1.0	COMP 9.64
MIN'D	33.5			BRECCIA (FAULT) ZONE 36.0-36.5		26/W	40	X INTERBEDS WITH BARITE				2-3CM OF PY	10					PYRITIC (DIS) CHERTY BLK ARGL	90	AVG 0.01	AVG 0.07	AVG 25	AVG 2.0	COMP 9.64
MIN'D	37.0							X INTERBEDS WITH BARITE					50			MOD IN BARITE	TR.	PYRITIC (DIS) CHERTY BLK ARGL	50	AVG 0.05	AVG 0.37	AVG 25	AVG 1.5	COMP 9.64
	41.1		MOD. SIL., U. CARB MASSIVE ARGL				50																	
	46.0		MOD-U. SIL., MASSIVE BLK ARGL				40			X	2-3													
	46.8		MOD. SIL., U. CARB MASSIVE ARGL							X SCATTERED LOTS														
MIN'D	53.8					33/W		X INTERBEDS OF BA				OF PY & $BaCO_3$	60			MOD	10	PYRITIC (DISS) DK. GREY CHERTY ARGL	30	AVG 0.07	AVG 1.72	AVG 27	AVG 2.0	COMP 10.4
MIN'D	59.0			12cm BED CHERTY ARGL AT 64.6		34/W	40	X INTERBEDS OF BA				OF PY & $BaCO_3$	60			MOD	10	PYRITIC (DIS) DK. GREY CHERTY ARGL INTERBEDS	30	AVG 0.14	AVG 2.85	AVG 20	AVG 2.0	COMP 10.4
	65.0																							

COMP = COMPOSITE ANALYSES AVG = AVERAGE OF TWO ANALYSES

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-04

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D				CHERTY ARGL BEDS AT 65.6 (8 CM), 68.5 (3 CM)		20/W	35	1-3 MM	60							NOD	40			AVG 0.04	AVG 0.84	AVG 20	AVG 1.7	COMP 3.77
	70.5		MOD SIL., V. CARB BLK MASSIVE ARGL			20/W														COMP 0.35	COMP 2.86	COMP 20	COMP 2.0	COMP 3.77
MIN'D	70.9							FINELY LAM	50							NOD	50			COMP 0.35	COMP 2.86	COMP 20	COMP 2.0	COMP 3.77
MIN'D	77.0					18/W		FINELY LAM	50							NOD	40	BLACK PYRITIC (DISS) CHERTY ARGL	10	AVG 0.19	AVG 2.30	AVG 20	AVG 2.5	COMP 3.77
MIN'D	85.5					10/W			70							NOD	50			0.10	1.41	20	3.5	COMP 3.77
MIN'D	88.0					75/W			70							NOD	30			0.58	2.32	15	2.5	COMP 0.15
	92.6		PYRITIC (DISS.) CHERTY ARGL			35/W				X										0.27	1.92	20	3.0	COMP 0.15
MIN'D	93.0			5 CM BED CHERTY ARGL AT 105.0					40							NOD 1-3.5 CM	60			COMP 0.43	COMP 1.67	COMP 17	COMP 2.8	COMP 0.15
MIN'D	105.0			4 CM MASS FINELY LAMPY AT BASE		25/W			40							NOD	60			COMP 0.43	COMP 1.67	COMP 17	COMP 2.8	COMP 0.15
MIN'D	106.5									10 INTERSTICE						NOD	90			COMP 1.66	COMP 1.99	COMP 15	COMP 2.0	COMP 0.15
MIN'D	108.0					45/W			50							NOD	50			COMP 1.66	COMP 1.99	COMP 15	COMP 2.0	COMP 0.15
	111.0		BLACK, MOD TO V. SIL ARGL	STRONG QZ-CA VEINING		30/W														0.37	1.34	25	3.0	COMP 0.15
	113.0																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-04

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D				8CM V. SIL. ARGL AT 113.4 6CM MASS PY AT BASE		20/W		FINELY LAM	45							BED MASSIVE	55			AVG 0.19	AVG 1.87	AVG 20	AVG 2.7	COMP 0.13
	119.6																							
MIN'D				21 CM MASS FINELY LAM BL ABOVE 5CM CHERTY ARGL AT BASE		30/W		FINELY LAM	50							NOD	50			AVG 0.61	AVG 5.41	AVG 18	AVG 1.2	COMP 0.13
	131.0																							
MIN'D				STRONG SOFT/SED DEFORM'N				FINELY LAM	60							NOD	40			AVG 0.61	AVG 5.41	AVG 18	AVG 1.2	COMP 0.13
	132.0		MOD. SIL. BLK ARGL							X	L									COMP 0.16	COMP 1.74	COMP 30	COMP 3.5	COMP 0.13
	133.5																							
MIN'D				CONTORTED BEDDING		40/W			40							NOD	60			COMP 0.16	COMP 1.74	COMP 30	COMP 3.5	COMP 0.13
	135.5																							
			MOD. SIL., LOW DISSEM PY BLK ARGL.	LAM PY 2-3 MM	30	50/W														COMP 0.14	COMP 2.87	COMP 40	COMP 3.0	COMP 0.13
	136.5																							
MIN'D						40/W			40							NOD	60			COMP 0.19	COMP 2.87	COMP 40	COMP 5.0	COMP 0.13
	138.0		MASS, LOW-MOD SIL BLK ARGL	BADLY BROKEN (BRECCIATED AT 148, FAULT		62/W				X	L													
	148.0																							
MIN'D				MASS 3.5CM PY BED AT TOP BRECCIATED		35/W			60							NOD	40			0.32	1.22	45	2.5	
	151.0		LOW SIL, V. CARB MASS. BLK ARGL			VERT (E)	35	X 2-3 MM								NOD SCATTERED								
	155.0																							
MIN'D				10 CM MASS PY AT TOP		20/W	25		10				60			NOD	20	MOD. SIL. PYRITIC (DISS) ARGL LAM	10	0.56	3.47	35	3.5	
												INCL BaCO3 PY LAM												
	159.0																							
MIN'D				4CM MASS PY AT 164.0		25/W			10				20			NOD	60	MOD. SIL. PYRITIC (DISS) ARGL LAM	10	AVG 0.56	AVG 1.26	AVG 23	AVG 2.0	
												INCL BaCO3												
	168.0																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-04

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES Pb	Zn	Cu	Ag	Ba
MIN'D						25/W		LAM	30							NOD	65	PYRITIC (DISS) CHERTS ARGL	5	COMP 0.63	COMP 0.96	COMP 27	COMP 2.0	
	173.0																							
MIN'D				BADLY BROKEN CORE 60% REC					10								30	MOD. SIL., V. CARB ARGL	60	COMP 0.63	COMP 0.96	COMP 27	COMP 2.0	
	176.0		MASSIVE, MOD. SIL, V. CARB BLK ARGL			75/W	34			X	L													
	177.5																							
MIN'D	182.0			BRECCIATED V. POOR REC FLT @ 182.0					20							NOD	20	CHERTS (BLK, Py (DISS) ARGL	60	0.45 0.16	0.63 0.94	20 35	3.5 2.0	
MIN'D	185.0																							
				SHEARED BUT NOT BROKEN					40								60			0.12	0.47	25	2.5	
	186.8		MOD. SIL, MASSIVE BLK, V. CARB ARGL			75/W				X	L													
	190.5		BROKEN, BRX'D QZ-CA MATRIX FRAGS. BLK ARGL	50% REC.,																				
	196.5		V. CARB LOW-MOD SIL, NON-PYRITIC MASS. BLK ARGL	RADIOLARIAN CHERTY ARGL (10 CM) AT 199.6		05/W	30																	
	200.0		SHEARED, BRX'D QZ-CA BRXY MATRIX	20-30% REC.																				
	203.6		MASS. BLK NON-SIL, V. CARB PYRITIC ARGL	VFG CALC SHALE AT 210.8 (5 CM)		30/SW	45			X	L													
	211.0		NON-SIL, V. CARB SHALE			25/SW	38	X																
	212.5		MASS. MOD SIL. V. CARB BLK SHALE				35	X	TR															
	217.0							SCATTERED																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-04

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			LOW-MOD. SIL. BLK SHALE			30/W	25	X																					
								OVER 3-4 MM																					
	225.0																												
	END																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. A+77.5, 0+00W DIP -50° AZIM. 055° ELEV. ____ SIZE BQ STARTED ____ COMPLETED ____ LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS %	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness %	PYRITE Diss. Size %	BARITE Bed. Thickness %	BARITE Bleb. Size %	CO_3 Type Size %	OTHER Description %	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% ppm Ba
	DEPTH 321'																
	0		OVB CASING														
	20		NON-SIL, V.CARB BLK. SHALE	SHEARED & CONTORTED		80	X EVERY 1-2 MM										
	26.2		MOD-V. SIL. BLK SHALE	BLEBBY BARITE & PYRITE LAM. TO 5 MM. THICK	45/W	80	X			X INCL. $BaCO_3$							
	36.0		MOD. SIL., NON-PYRITIC, MASS. BLK ARGL	BLEBBY BARITE 38.0-38.4 & 40.2-40.4	45/W	75				X	MOD X 5-10 CM						
	40.6		MOD. SIL., V.CARB MASS. BLK ARGL		E/35			X INC. TO MASSIVE AT BASE									
	45.0		V.SIL. BLK SHALE CHERTY AT BASE		090	80				X INCL. $BaCO_3$							
	52.5		SED. BRECCIA W FRAGS OF ABOVE	CEMENTED W BLK, VFG, V.SIL. ARGL													
	57.0		MOD. SIL., V.CARB MASSIVE BLK ARGL			78		X SCATTERED SOME NOD									
MIND	62.0		MASSIVE QZ-CA VEIN / BLK ARGL	63.0-63.5 BEDDED PY-GL SL W CO_3 NOD													
	69.2		MOD. SIL., V.CARB MASSIVE BLK ARGL			75	X BREAKOUT										
MIN'D	70.5				35/W		60 SOME SL LAM				NOD 40 GOOD INTENSITY SL.		0.06	1.32	45	2.0	
	73.6																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3^- Type % Size	OTHER % Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
			MOD. SIL., V. CARB MASSIVE BLK ARGL.		35/W			X MINOR BLEBS									
MIN'D	77.4				55/W		30 V. THIN		60 MINOR Ba(O, SLIGHT) LAM			INTERBEDDED CHERTY BLK ARGL (U.F. DISSEM PY) 10	0.09	1.04	25	1.5	
MIN'D	82.6						40 MINOR SL		20 MINOR SL		NOD 10	SIL. ARGL INTERBEDS 10	AVG 0.12	AVG 1.55	AVG 25	AVG 2.3	
MIN'D	86.0		DARK CORE	BARITE HAS INCLUSIONS OF ACICULAR XTALS	52/W		40 MINOR SL		40 MINOR SL			PYRITE (DISSEM) CHERTY ARGL 20	COMP 0.06	COMP 1.32	COMP 20	COMP 3.0	
	87.8		V. SIL, V. CARB BLK, MASSIVE ARGL					L					COMP 0.06	COMP 1.32	COMP 20	COMP 3.0	
MIN'D	88.6		STRONG CLV REMOB	4 CM BED CHERTY, PYRITIC ARGL AT BASE	53/W		55				NOD 50	PYRITE BLK, SIL, SHALE 5	COMP 0.06	COMP 1.32	COMP 20	COMP 3.0	
MIN'D	89.7			4 CM BED CHERTY ARGL AT BASE	45/W		30		40 MOD SL LAM		NOD 30		COMP 0.04	COMP 2.02	COMP 20	COMP 2.5	
MIN'D	91.5				45/W	85	20 MINOR SL		60 MOD SL LAM			PYRITIC (LAM) CHERTY ARGL BEDS TO 2 CM 20	COMP 0.04	COMP 2.02	COMP 20	COMP 2.5	
	94.5		BLACK, CHERTY ARGL MASSIVE		50/W			X 2-5					COMP 0.11	COMP 1.04	COMP 20	COMP 2.0	
MIN'D	96.1				46/W		30 GOOD SL		55 MOD SL LAM		NOD 5	CHERTY BLK PYRITIC (LAM) ARGL BEDS 1-5 CM 10	COMP 0.11	COMP 1.04	COMP 20	COMP 2.0	
MIN'D	99.0			STRONG S/S BRECCIATION, FRAGMENTAL TEXTURE	45/W		20		10		NOD 60	CHERTY PYRITIC (LAM) ARGL BEDS 10	0.14	1.64	20	2.5	
MIN'D	101.2				40/W		30 SOME SL LAM		50 GOOD SL LAM		NOD 10	CHERTY, PYRITIC (LAM) ARGL BEDS. 10	0.06	1.95	20	2.0	
	103.8																

AVG = AVERAGE OF TWO ANALYSES, COMP = COMPOSITE ANALYSIS

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ANALYSES % Zn	ANALYSES % Cu	ANALYSES % Ag	ANALYSES % Ba
MIN'D				5CM. CHERTY ARGL BED AT TOP 6CM BED AT BASE 4CM MASS SULPHIDE		30/W			30							NOD	60	CHERTY ARGL	10	0.54	3.78	20	3.0	
	108.6																							
MIN'D				CHERTY ARGL AT 108.6 (4CM) 109.7 (3CM) AT BASE (15CM)		35/W			35				5			NOD	60			COMP 0.18	COMP 2.87	COMP 25	COMP 3.5	
MIN'D																								
	111.0																							
MIN'D						25/W			70							NOD	10	PYRITIC (LAM) (0.5-3CM) CHERTY ARGL	20	COMP 0.18	COMP 2.87	COMP 25	COMP 3.5	
	112.8																							
MIN'D				2CM CHERTY ARGL AT 114.0, 3CM AT 115.2		10/W		FINELY LAM	60							NOD	20	CHERTY ARGL	10	COMP 0.70	COMP 3.01	COMP 3.01	COMP 3.01	
	115.0																							
			V. SIL., V. CARB MASSIVE BLK ARGL																	COMP 0.70	COMP 3.01	COMP 3.01	COMP 3.01	
	116.1																							
MIN'D			1.6CM CHERTY ARGL AT 117.0	116.1-116.4 MASSIVE SL, FAIR GL		20/W			60				10			NOD	30			COMP 0.70	COMP 3.01	COMP 3.01	COMP 3.01	
	117.5																							
MIN'D						10/W			40							NOD	20	PYRITIC (LAM) CHERTY ARGL BEDS 1-4 CM THICK	40	COMP 0.25	COMP 1.68	COMP 25	COMP 5.0	
	119.8																							
MIN'D				STRONG SOFT SED DEF'N		40/W			30							NOD	30	CHERTY ARGL IN TWO BEDS AT 120.2 (2.7CM) 123.0 (10 CM)	40	COMP 0.25	COMP 1.68	COMP 25	COMP 5.0	
	124.0																							
MIN'D						25/W			30							NOD	30	1-4CM SCATTERED CHERTY ARGL PYRITIC (LAM)	40	0.08	1.74	30	3.0	
	127.2																							
MIN'D				5CM PYRITIC (DISSEM) CHERTY ARGL AT 131.2		33/W			20				50			NOD	10	INTERBEDDED PYRITIC (LAM) CHERTY ARGL	20	0.35	2.70	20	3.0	
	131.6											INCL $BaCO_3$												
MIN'D				4CM MASS SL AT 131.7		35/W			50				10			NOD	20	INTERBEDDED CHERTY ARGL BEDS TO 2CM	20	COMP 0.79	COMP 5.31	COMP 25	COMP 1.5	
												INCL $BaCO_3$												
	133.5									X														
			MOD. SIL., MASS BLK ARGL							CHERT										COMP 0.79	COMP 5.31	COMP 25	COMP 1.5	
	134.8																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D			MASSIVE SL-GL PY (70-20-10) IN CO_3 & CHERTY ARGL S/S BRXN																	COMP 0.35	COMP 2.25	COMP 20	COMP 3.0	COMP 3.66
	136.6								60				10			NOD	20	CHERTY, BLK PYRITIC LAM AT BASE	10					
MIN'D				4CM MASS. FINELY LAM PY AT BASE		20/W		FAIR SL MINOR GL				NCL $BaCO_3$								COMP 0.35	COMP 2.25	COMP 20	COMP 3.0	COMP 3.66
	139.0		MOD. SIL., BLK MASSIVE ARGL							X	F													
																				COMP 0.35	COMP 2.25	COMP 20	COMP 3.0	COMP 3.66
	139.9								60							NOD	30	6CM BEDS PYRITIC LAM CHERTY ARGL						
MIN'D						10/W		FAIR SL												0.10	2.96	15	2.5	COMP 3.66
	142.6								40				20			NOD	30	6CM BEDS PYRITIC LAM CHERTY ARGL	10					
MIN'D						10/W		LOW SL				NCL $BaCO_3$				SOME GL				0.18	3.58	15	3.5	COMP 3.66
	149.0		MOD. SIL., V. CARB PYRITIC MASSIVE BLK ARGL							X	L													
																				COMP 0.27	COMP 1.79	COMP 15	COMP 3.5	COMP 3.66
	149.7								50							NOD	50							
MIN'D						20/W		V. MINOR SL LAM												COMP 0.27	COMP 1.79	COMP 15	COMP 3.5	COMP 3.66
	150.9		BRECCIATED & SHEARED						50							NOD	50							
MIN'D																				COMP 0.27	COMP 1.79	COMP 15	COMP 3.5	COMP 3.66
	152.1								40							NOD	60							
MIN'D						25/W		MINOR SL								LARGE				0.42	1.63	15	3.5	COMP 0.26
	156.3		MOD SIL., V. CARB MASS BLK ARGL.	2CM V.F. LAM SL-ARGL @ BASE						X														
										CLOTS										0.39	0.87	30	3.0	COMP 0.26
	158.0								20							NOD	40	V. SIL, V. CARB PYRITIC LAM BLK ARGL	40					
MIN'D				3CM CHERTY ARGL AT 160.0		43/W		MINOR SL								70 5CM				0.18	2.39	20	4.0	COMP 0.26
	163.5		V. CARB MOD. SIL., BLK ARGL							X														
																				COMP 0.17	COMP 1.68	COMP 30	COMP 2.5	COMP 0.26
	164.1																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D			SHEARED BUT NOT BRECCIATED			35/W		V. FINE	30							NOD V. LARGE	30	MOD SIL., V. CARB BLK ARGL (-50%)	40	COMP 0.17	COMP 1.68	COMP 30	COMP 2.5	COMP 0.26
	167.5		NON-SIL WELL BEDDED BLK SHALE	3 MM SL(?) LAMINAE		70/W														0.06	0.10	30	3.0	COMP 0.26
MIN'D	171.5					40/W			40							NOD 4-8CM (MED)	40	SEVERAL DIST 1.5-7 CM CHERTY PYRITIC (LAM) ARGL BEDS	20	COMP 0.23	COMP 0.79	COMP 25	COMP 3.0	COMP 0.26
	173.7		NON-SIL., V. CARB, MASSIVE BLK ARGL							X CLOTS										COMP 0.23	COMP 0.79	COMP 25	COMP 3.0	COMP 0.26
MIN'D	174.2					25/W		FINELY LAM	20							NOD 1-2 CM	40	0.4-1.0 CM CHERTY PYRITIC (LAM) ARGL BEDS	40	COMP 0.22	COMP 1.20	COMP 25	COMP 3.0	COMP 0.26
	176.4		MOD. SIL., V. CARB MASSIVE BLK ARGL				60			X CLOTS										COMP 0.22	COMP 1.20	COMP 25	COMP 3.0	COMP 0.26
MIN'D	177.5					35/W		FINELY LAM	30							NOD 4-6CM	60	CHERTY PYRITIC (LAM) BLK ARGL	10	0.21	0.90	30	1.5	
	181.2		BLK CHERTY ARGL, MAY CONTAIN SL			35/W		X TO 1.5 MM EVERY 1-2 MM												COMP 0.87	COMP 0.89	COMP 30	COMP 1.5	
	182.3		ALT'G BLK CHERTY ARGL & COARSE PY LAM	LARGE CO_3 NOD AT TOP		50/W														COMP 0.87	COMP 0.89	COMP 30	COMP 1.5	
	182.7		MOD SIL., V. CARB MASSIVE BLK ARGL	4 CM V. CARB		60/W														0.37	1.04	30	1.5	
MIN'D	183.7			4 CM. V. CARB MOD SIL. ARGL BED AT BASE		70/W		1-1.5 CM	40							NOD <1.5 CM (SMALL)	20	PYRITIC (DISSEM) CHERTY ARGL 1-1.5 CM	40	1.31	5.14	35	1.5	
	187.5			4 CM CHERTY PYRITIC (DIK) ARGL BED AT BASE		50/W		MINOR SL-GL	20							NOD 2-5 CM	60	SCATTERED <1.5 CM CHERTY ARGL LAM	10	AVG 0.77	AVG 1.57	AVG 20	AVG 2.0	
	197.2																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % / Thickness	PYRITE Diss. % / Size	BARITE Bed. % / Thickness	BARITE Bleb. % / Size	CO_3 Type % / Size	OTHER % / Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D					60/W		25 / 2-4CM				NOD 50 / ~2 CM	2-4CM 25 BEDS CHERTY PYRITE (LAM) BARITE	0.23	0.77	25	1.0	
	200.1		MOD. SIL., NON-PYRITIC, BLK, V. CARB ARGL										0.06	0.26	30	1.0	
MIN'D	202.6				45/W		20				NOD 40 / 2-6CM	PYRITE (LAM) 40 CHERTY ARGL	COMP 0.54	COMP 1.49	COMP 30	COMP 2.0	
	204.0		PYRITIC, CHERTY BLK ARGL	SLIGHTLY SHEARED			X						COMP 0.54	COMP 1.49	COMP 30	COMP 2.0	
MIN'D HIGH GRADE	206.5			4 CM CHERTY PYRITIC (DISSEM) ARGL BED AT BASE	45/W		80 / MASS PY-GL-SL 70-20-25				NOD 20 / ~1.2 CM		COMP 0.54	COMP 1.49	COMP 30	COMP 2.0	
MIN'D	208.2						60 / MASS FAIR SL				NOD 40 / 4-5 CM		0.61	4.57	40	3.0	
	209.6		MOD-V.SIL, NON-PYRITIC, MAROON BLK ARGL			BS											
MIN'D	213.9						20 / CHE. 3MM FINE - <1MM				NOD 20 / 2-4CM GOOD SL	V. PYRITIC (LAM) 60 CHERTY BLK ARGL	0.59	0.96	40	1.5	COMP 0.11
MIN'D	217.8			4CM CHERTY ARGL BED AT BASE	50/W		90 / MASS SOME SL				NOD 10 / <1CM REXT		COMP 0.37	COMP 3.56	COMP 25	COMP 1.5	COMP 0.11
MIN'D	220.0				60/W		40 / POORLY LAM				40 / <1CM REXT	PYRITIC (LAM) 20 CHERTY BLK ARGL	COMP 0.37	COMP 3.36	COMP 25	COMP 1.5	COMP 0.11
	221.1		MASS., MOD-V.SIL. BLK ARGL		65/W		X / OCC. CHE BLEBS LAM										
MIN'D	227.4		80% CO_3 NO 4-6CM 20% FINELY LAM PY (GRADING D/S)	→ 100% MASS PY W FAIR SL	45/W								COMP 0.09	COMP 1.86	COMP 30	COMP 3.0	COMP 0.06
	228.6																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-05

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	$CO_3^=$ Type Size	%	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D				V. STRONG SOFT SED (?) DEFORMATION					10				60			NOD INCL $BaCO_3$ 1-1.5 CM	30			COMP 0.09	COMP 1.86	COMP 30	COMP 3.0	COMP 0.06
	229.8																							
MIN'D						50/W			30							NOD 2-3 CM	50	V. PYRITIC (LAM) CHERTY ARGL	20	COMP 0.09	COMP 1.86	COMP 30	COMP 3.0	COMP 0.06
	232.8																							
MIN'D				60CM PY (LAM) CHERTY ARGL BED AT BASE		50/W		MASSIVE POPPED LAM	90							NOD <0.5 CM (INTERST)	10		10	AVG 0.15	AVG 2.81	AVG 35	AVG 3.3	0.08
	237.1																							
			CHERTY ARGL BEDS			60/W		X		X														
	241.5																							
			V. SIL., BLK. ARGL	SCATTERED 0.8 CM TO 1.8 CM PYRITIC RAD. CHERTY ARGL BEDS		50/W				X LOW														
	256.0																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD 4+00S, 3+00E DIP -45° AZIM. 055° ELEV. ____ SIZE BQ STARTED July 31/78 COMPLETED Aug. 3/78 LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS %	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba
	0		OVB CASING														
MIND	20		BADLY BROKEN CORE.				L; FEW THIN Py BEDS		L; THIN		NOD H		1.00	0.28	25	3.0	COMP 0.20
MIND	24.5		SOS		26/W		SOS		SOS		SOS		0.48	0.65	20	2.0	COMP 0.20
	28		BLK, MASSIVE, NON-SIL., V. CARB ARGL														
MIND	29		SOS.				SOS		SOS		SOS		0.23	1.09	20	3.0	COMP 0.43
MIND	33.5						20; FAIR LAM SL		70; INCL $BaCO_3$		NOD 10; GOOD SL		0.57	1.50	20	3.0	COMP 0.43
	39.1		WELL BEDDED (GOOD PARTING) CHERTY BLK ARGL			30	M						0.27	1.06	30	5.0	COMP 0.43
MIND	41.6				20/W		30		40; GOOD SL LAM		NOD 30		COMP 0.32	COMP 2.53	COMP 25	COMP 4.0	COMP 0.43
	43.5		CHERTY BLK ARGL				L						COMP 0.32	COMP 2.53	COMP 25	COMP 4.0	COMP 0.43
MIND	43.9				35/W		40; GOOD SL LAM				NOD 50	BLK, CHERTY 10; PYRITIC DISSEM. THIN ARGL LAM	AVG 0.23	AVG 1.57	AVG 30	AVG 3.5	COMP 0.43
	49.6		CHERTY, BLK ARGL					M					0.02	0.08	20	2.5	COMP 0.45
	51.9																

COMP = COMPOSITE ANALYSIS ; AVG = AVERAGE OF TWO ANALYSES

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (H) Bedding W/E	CORE ANGLE (H) Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba
MIN'D								INCL INTERLAM	20							NOD 3-4 CM	60	INTERLAM CHERTY BLK ARGL	20	0.50	1.48	20	3.0	COMP 0.43
	52.2		BLACK, CHERTY ARGL					X																
MIN'D	55.8							INCL INTERST	10							NOD 3-4 CM	70	INTERLAM PYRITIC (LAM) CHERTY ARGL	20	0.47	1.04	20	4.0	COMP 0.20
MIN'D	59.0					65/W			20							NOD GOOD SL GL	60	INTERLAM PYRITIC (LAM) CHERTY ARGL	20	0.16	1.23	20	3.5	COMP 0.20
MIN'D	62.0					20/W	40/L		40							NOD 0.5-2CM	40	INTERLAM PYRITIC (LAM) CHERTY ARGL	20	0.25	1.09	25	4.5	COMP 0.20
MIND	67.0		BADLY BROKEN, CONTORTED & SHEARED	PYRITE, CHERTY PYRITIC ARGL (DISSEM)																0.10	1.39	20	4.0	COMP 0.75
MIN'D	68.2					40/W			35			INCL $BaCO_3$		60				THIN CHERTY ARGL LAM	5	0.19	2.70	20	3.0	COMP 0.75
	73.0		NON-PYRITIC, CHERTY BLK ARGL				35/L													0.08	0.22	30	2.5	COMP 0.75
MIN'D	73.5			MASS GL 74.1-75.4		16/W			20			INCL $BaCO_3$		70		NOD	10	SILICEOUS ARGL 74.7-74.9 75.7-75.9		1.30	9.93	25	3.0	COMP 0.75
	76.7		MASSIVE, CHERTY BLK ARGL			10/W	43/L			X FINE										0.04	0.08	20	3.0	COMP 0.29
MIN'D	80.9			BLK CHERTY ARGL 81.2-81.4, 84.5-84.6		00	41/L		20					10		NOD FAIR LAM GL & SL	60	2CM CHERT BLK ARGL BEDS SCATTERED		COMP 0.54	COMP 1.37	COMP 20	COMP 3.5	COMP 0.29
MIN'D	84.0			6CM U. PYRITIC (DISSEM) CHERTY ARGL BED AT BASE		30/		LOW-FRIR LAM GL & SL	30							NOD	60	SCATTERED PYRITIC (LAM) CHERTY ARGL BEDS	10	COMP 0.54	COMP 1.37	COMP 20	COMP 3.5	COMP 0.29
	86.6																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE (CM) Bedding W–E	CORE ANGLE (CM) Structure W–E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D					28/W		30		40		NOD 10	CHERTY PYRITIC (DISSEM) BEDS 20	0.41	0.68	20	1.5	COMP 0.29
	86.7								INCL BaCO3 FAIR LAM GL & SL								
MIN'D					30/W		20		30		NOD 20	CHERTY ARGL BEDS LAM & DISS. PY 30	COMP 0.28	COMP 0.98	COMP 20	COMP 2.0	COMP 0.29
							LOW SL LAM		INCL BaCO3 LOW SL								
	91.0		SL., V.CARB, BLK ARGL, MASSIVE					L					COMP 0.28	COMP 0.98	COMP 20	COMP 2.0	COMP 0.29
MIN'D	91.8			2 CM SL LAM AT 93.8	30/W	42	30				NOD 10 GOOD SL LAM	PYRITIC (LAM) CHERTY BLK ARGL 60	COMP 0.14	COMP 1.37	COMP 25	COMP 2.5	COMP 0.29
	93.9		MOD. SIL, V.CARB BLK ARGL					L					COMP 0.14	COMP 1.37	COMP 25	COMP 2.5	COMP 0.29
MIN'D	94.6			HIGH GRADE SL & GL LAM			30		60		NOD 10		COMP 0.14	COMP 1.37	COMP 25	COMP 2.5	COMP 0.29
									INCL BaCO3								
MIN'D	95.8				35/W		40		10		NOD 20 TO 3CM	PYRITIC (LAM & DISSEM) CHERTY ARGL 30	COMP 0.25	COMP 1.15	COMP 26	COMP 0.1	COMP 0.29
							MASSIVE SOME SL LAM		INCL BaCO3								
MIN'D	98.6			4 CM CHERTY PYRITIC (LAM) ARGL BED AT BASE	25/W		40		50		NOD 10 2-3 CM		COMP 0.25	COMP 1.15	COMP 26	COMP 0.1	COMP 0.29
									FAIR SL LAM								
MIN'D	101.2						20		10		NOD 30 2-3 CM.	SCATTERED 1-2 CM U. PY (LAM & DISSEM) CHERTY ARGL BEDS 40	COMP 0.08	COMP 1.51	COMP 20	COMP 0.1	COMP 0.29
									INCL BaCO3								
	103.2		MOD. SIL, V. CARB BLK, MASSIVE ARGL		25/W			L					COMP 0.08	COMP 1.51	COMP 20	COMP 0.1	COMP 0.29
MIN'D	104.3				02/W		35		15		NOD 20	PYRITIC (LAM & DISSEM) CHERTY BLK ARGL 30	COMP 0.13	COMP 0.89	COMP 24	COMP 0.1	COMP 0.29
									INCL BaCO3								
	105.6		U. SIL, V. CARB BLK ARGL					M					COMP 0.13	COMP 0.89	COMP 24	COMP 0.1	COMP 0.29
	106.2																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (CA) Bedding W/E	CORE ANGLE (CA) Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3^- Type Size	CO_3^- %	OTHER Description	%	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba
MIN'D						04/W			30				20			NOD < 3 CM	20	BLK CHERTY PYRITIC (LAM & DISSEM) ARGL	20	COMP 0.13	COMP 0.89	COMP 24	COMP 0.1	COMP 0.29
	107.0											WELL BAND, GOOD SL LAM												
MIN'D				9 CM BLK PYRITIC (DISSEM) CHERTY ARGL BEDS AT BASE		02/W			20				10			NOD 3-4 CM	40	CHERTY BLK PYRITIC (LAM) ARGL BEDS TO 2CM	50	0.37	0.90	16	0.1	COMP 0.29
												1CM AT 108.2												
	111.1																							
MIN'D				4CM MASS PY AT 115.5 CONTAINS GOOD LAM SL		10/W			10							NOD	40	CHERTY BLK PYRITIC (DISS) ARGL BEDS	50	1.31	0.92	22	0.1	
	117.5																							
			MOD. SIL., U.CARB., BLK ARGL			04/W			L		L									COMP 0.30	COMP 0.72	COMP 20	COMP 0.1	
	118.2																							
MIN'D				5CM MASS PY BED AT 119.0 LOW DISS. SL		08/W			20							NOD 2-3 CM	30	CHERTY BLK PYRITIC (LAM) ARGL	50	COMP 0.30	COMP 0.72	COMP 20	COMP 0.1	
	121.2																							
			SHEARED, MOD SIL, BLK ARGL	QZ-CA BRX MATRIX & VEINS.			~38 SHEAR ~				M									COMP 0.39	COMP 0.72	COMP 16	COMP 0.1	
	121.9								10				TR			NOD 1-3 CM	30	CHERTY BLK PYRITIC (LAM) ARGL	60	COMP 0.39	COMP 0.72	COMP 16	COMP 0.1	
MIN'D						08/W		V. MINOR SL LAM				2CM BED AT 122.2												
	124.0																							
MIN'D						15/W			10							NOD 1-3CM REACT BDG	30	CHERTY BLK PYRITIC (DISS) ARGL	60	0.41	0.63	18	0.1	
	128.4																							
			MOD. SIL., U. CARB NON-PYRITIC BLK. SHALE. GOOD BDG FISSILITY			18/W														COMP 0.59	COMP 0.52	COMP 20	COMP 0.1	
	130.0																							
MIN'D				6CM PYRITIC (LAM) CHERTY ARGL BED AT BASE		07/W			10							NOD 2-4 CM	60	CHERTY BLK ARGL LAM AND THIN BEDS	30	COMP 0.59	COMP 0.52	COMP 20	COMP 0.1	
	132.7																							
MIN'D						00	~35		10							NOD 2-4CM	50	CHERTY BLK ARGL LAM	40	0.40	0.84	16	0.1	COMP 0.13
	139.0																							
MIN'D				CONTORTED & BRECCIATED (DIAGENETIC?)		03			5							BED GOOD SL GL	95			0.65	0.68	16	0.1	COMP 0.13
	140.2																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba
MIN'D				RADIAL DK BRN XTALS IN CO_3 2MM	08/W		5				VEG 80; ⊡ SL CLOTS	CHERTY BLK ARGL LAM 15	COMP 0.23	COMP 0.71	COMP 30	COMP 0.1	COMP 0.13
	142.0		V. PYRITIC, V. THINBEDDED CHERTY ARGL	MASS PY AT 142.7, PY DEC D/S	14/W			40					COMP 0.23	COMP 0.71	COMP 30	COMP 0.1	COMP 0.13
MIN'D	144.8			PY CONTORTED	07/W		30 MASSIVE				NODS 70 10-15 CM		0.10	0.32	28	0.1	COMP 0.13
	148.0		V. SILICEOUS, MASSIVE, BLK ARGL			25		L CLOTS & DISSEM									
	152.0		MASSIVE QZ-CA VEIN	BRKY FRAGS WALL ROCKS SHEARED MARGIN		55, 40 SHEAR'S											
	153.2		MOD. SIL., V. CARB. NON-PYRITIC, MASSIVE BLK ARGL			30											
	155.6		MOD-V. SIL., V. CARB BLK. SHAL		18/W		X EVERY 2-3MM TO 1-2MM D/S										
	159.0		SOS		12/W	23	X EVERY 3-4MM										
	165.0		SOS SILICA GRAD. INC D/S		04/W	30	X 1 TO 2CM										
	170.0		MOD. SIL., GOOD PARTING ON BDG PL		45/W		X WIDESPRD										
	180.0		MOD. SIL., MASSIVE NON-PYRITIC		60/W	30											
	190.0		LOW-MOD. SIL, V. SLIGHTLY GRITTY BLK SHAL	THIN SHEAR & BRKY ZONE AT BASE			X EVERY 6-8MM										
	198.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			U.SIL. TO CHERTY THIN BDD BLK SHALE	SILICA CNT DEC. RAPIDLY D/S		30/W	20	X		X	L																		
								BLRY 6-10CM																					
	210		MOD. SIL., V.CARB BLK SHALE			40/NW	22	X																					
								EVERY 8-15MM																					
	218.5		MOD SIL, V.CARB, SLIGHTLY GRITTY BLK. SHALE			13/W	14	X																					
								EVERY 2-4 MM																					
	235		V.CARB, L. SIL., SLIGHTLY GRITTY BLK SHALE	SILICA CNT INC GRAD. D/S PY-CO, BED AT 233.6 (4CM)		18/NW	15	X																					
								SCATTERED WIDELY																					
	245		V.SIL., V.CARB BLK SHALE	CALCARGL 253.6-254.0 DK GH LAM 255.3-[illegible] CALCARGL 255.4-[illegible] THIN (5-8CM) RAMED RAD. CHERTY BEDS		20/W	20	X																					
								SCATTERED																					
	260		CHERTY, MASSIVE BLK ARGL			20/W		X		X																			
								SCATTERED		THROUGHOUT																			
	270		SOS	SOME BRECCIATION, SHEARING																									
	280		SOS, MOD. BRECCIATION, SHEARING	STRONG LAM PYRITE AT 281.8 (6CM)				X																					
	295		SOS, FAULT ZONE	STRONG BRECCIATION & SHEARING																									
	318		LOW-MOD. SIL., V.CARB BLK SHALE					X																					
								EVERY 1-3 MM																					
	325		NON SIL., V.CARB, SLIGHTLY GRITTY BLK. SHALE	COARSE VTAL PY BED 1CM THICK AT 229.6		25/NW	28	X																					
								EVERY 4-6MM																					
	330		SOS			15/NW	35	X																					
								EVERY 3-4MM																					
	340																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-06

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (CA) Bedding W–E	CORE ANGLE (CA) Structure W–E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3^- Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			SOS, MOD SIL U.CARB BLK SHALE, SLIGHTLY GRITTY	GEN LISN BED AT 340.6 CHERTY 343.9-344.6		UB/NW		X DISCONT EVERY 1-3MM										
	350		MOD. SIL., V.CARB SLIGHTLY GRITTY BLK. SHALE	CHERTY 357.2-359.0 CONTAINS 4CM BED W XTALS BARITE?		28/W	43	X DISCONT EVERY 2-3 MM										
	360.0		MOD.SIL, U CARB SLIGHTLY GRITTY BLK SHALE			28/W	35	X DISCONT EVERY 2-4MM										
	370.0		SOS	12 CM CARSE XTAL PY 375.0 1CM PY 379.8 CHERTY 375.0-375.4		10/W	35	X EVERY 1-2 MM										
	380.0		SOS	THIN BRKY ZONE 385.0-386.6 0.6CM CRSE PY BED AT 388.6		20/W	22	X EVERY 1-3 MM										
	390.0		SOS	CHERTY BED W BARITE XTALS(?) AT 390.4 (6CM) LISN 398.0-398.6		35/W	28	X EVERY 3-4 MM										
	400.0		SOS	BADLY SHEARED 408-410		78/E	20	X EVERY 1-2MM										
	410.0		SLIGHTLY CALC BLK SHALE, V.CARB	LISN BED 415.0-415.0 SLIGHTLY SHEARED		30/W	22		X PY-CO_3 NOD (<1CM)			NOD SEE PY						
	420.0		SOS	MOD. SHEARED.			20											
	433.0		MOD. SIL., V.CARB BLK SHALE	CALCAREOUS BEDS AT 435.6 (4CM) 439.2 (3CM)		23/W		X EVERY 1-2 MM										
	441.0		SLIGHTLY CALC BLK SHALE V.CARB SECTION REPEATED BY FAULT?	6 CM LISN BED AT BASE					X PY-CO_3 NOD (<1CM)			NOD SEE PY						
	448		V.CARB, MOD.SIL BLK SHALE	LISN BEDS AT 456.3 (12CM) 458.9 (6CM) V.CONTORTED				X EVERY 1-2 MM										
	465																	

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-07

COORD. 41+60N, 18+40E DIP -53° AZIM. 095° ELEV. ____ SIZE BQ STARTED AUG. 6/78 COMPLETED AUG 7/78 LOGGED BY F. CARNE

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS %	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
	DEPTH 361'																
	0																
			OUTS CASING														
	28.0		INTERBEDDED PY, NON-SIL, GRITTY BLK SHALE, NOD BARITE, BEDDED	BARITE, CO_3 HORIZONS (REFER TO FIELD LOG FOR DETAIL)	39/W		X BEDDED		X BEDS	X	NOD X						
	30.0		SOS		35/W		X BEDDED		X BEDS	X	NOD X						
	38.0		SOS		40/W		X BEDDED		X BEDS	X	NOD X						
	40.0		SOS		46/W		X BEDS		X BEDS	X	NOD X						
	45.0		SOS		35/SW		X BEDS		X BEDS	X	NOD X						
	50.0		SOS		32/SW		X BEDS		X BEDS	X	NOD X						
	55.0		SOS		25/SW		X BEDS		X BEDS	X	NOD X						
	60.0		SOS	FOLD NOSE AT 60.0'	20/S	61	X BEDS		X BEDS	X	NOD X						
	65.0		SOS		48/SE		X BEDS		X BEDS	X	NOD X						
	70.0		SOS	BARITE BEDS THIN DRAMATICALLY	15/W	60	X BEDS		X BEDS LAM	X	NOD X						
	75.0																

BARITE CO_3 BEDS BARITE BEDS BLACK SHALE GRITTY BLK SHALE

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-07

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			RHYTHMICALLY BANDED BLK & DK GY SHALE & SHALE MAYBE BARITIC (? SIDE PY)	BEDDING THICKNESS VARIES FROM 0.2 CM - 8 CM		24/W	62	X THIN (? BARITIC)		X VERY FINE		X THIN BARITIC (?) W PY																	
	80.0		SOS			47/W	68	X THIN		X V. FINE		X ?																	
	85.0		SOS			20/W	63	X THIN		X		X ?																	
	90.0		SOS	CO_3 BEDS AT 90.8 (10 CM) 92.5 (6 CM)		10/W	58	X THIN		X		X ?				BED													
	95.0		SOS	CO_3 BEDS AT 95.9 (12 CM) 99.6 (1.5 CM)		35/W		X THIN		X		X ?				BED													
	100.0		SOS SED BRECC & UNCONF AT 105.8'	MINOR UNCONF. AT 102.8 CO_3 BED AT 101.8 (11 CM)		37/W		X THIN		X		X ?				BED													
	105.8		SOS	PY & BARITE BEDS (<1 CM) ~EVERY 0.5 FT		49/W	55	X <1 CM		X		X W PYRITE																	
	110.0		SOS NOW THIN BARITE BEDS	CO_3 HORIZON AT 112.1 (8 CM)		51/W		X THIN		X		X THIN BEDS				BED													
	115.0		SOS	SLUMP(?) FOLD AT 115.6 CO_3 HORIZON AT 119.1 (6 CM)		48/W		X THIN		X		X THIN BEDS				BED													
	120.0		SOS	CO_3 HORIZON AT 123.2 (7 CM)		36/NW	53	X W BARITE EVERY 0.5-1.5'		X		X 2-3 CM BEDS W PY				BED													
	125.0		SOS	CO_3 HORIZON AT 129.8 (8 CM) BARITE BEDS THIN & DIE OUT D/S		38/W	49	X		X		X THIN				BED													
	130.0		SOS	CLU NOW THE DOMINANT PARTING PL.		46/W	46	X		X																			
	135.0																												

GREY, BARITIC (?) SHALE

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-07

COORD. _____ DIP _____ AZIM. _____ ELEV. _____ SIZE _____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE Lam. %	PYRITE Diss. Size	PYRITE Diss. %	BARITE Bed. Thickness	BARITE Bed. %	BARITE Bleb. Size	BARITE Bleb. %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			SOS INTERBED GREY, BARITIC(?) (BLK SHALE.	CO_3 BEDS AT 136.8 (7 CM) 137.7 (5 CM)	32/W	44	X THIN		X IN GREY SHALE						BED													
	140.0		SOS	CO_3 BEDS AT 140.0 (11 CM)	20/W	50	X		X "						BED													
	145.0		SOS	BARITE BED AT 146.8 (1 CM)	38/W	52	X		X "		X 1CM																	
	150.0		SOS	CO_3 BED AT 153.0 (7 CM)	33/W	52	X		X "						BED													
	155.0		SOS, CORE BRECCIATED, CONTOR BDS, STRONG SHEAR CW	CO_3 BED AT 160 (12 CM)	18/W	46	X		X "						BED													
	160.0		SOS, STRONG SHEARING	CO_3 BEDS AT 162 (6 CM) 163.6 (8 CM)		FAULT?	X		X "						BED													
	165.0		ALT'D GRITTY, NON-SIL, BLK SHAL & PYRITIC (DIK) CHERTS BLK ARGL	NO CO_3 NO BARITE CONTORTED BDS BDS 2CM-10 CM	38/W	54			X IN CHERT ARGL																			
	170.0		SOS, NON MOD-SIL TO U. CHERTY INTERVALS		E/70	55			X "																			
	175.0		SOS		VERT (C)	55			X "																			
	180.0		SOS, FREQ. SILTY INTERVALS INC	CO_3 HORIZONS INC RAPIDLY, BEDS AT 182.0 (10CM) 184.6 (7CM)	E/70	50			X "						BED													
	185.0		SO	CO_3 BEDS AT 186.0 (10CM) 187.0 (5CM)	40/W	48			X "						BED													
	190.0		SOS THIN "GRADED" BARITE BEDS INTERVAL DESERVAL BEDS/FT (LOW FREQ)	CO_3 BEDS AT 190.1 (6 CM) 191.4 19 CM) 194.8 (7 CM)	25/W	55			X "		X THIN, GRADED				BED													
	195.0																											

CHERTS BLK ARGL

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-07

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
			SOS, ~3 mm displacement on clu R. (W. side down) clu ~6 mm apart	CO_3 at 195.4 (40 cm), 196.9 (70 cm), 197.6 (6 cm), 198.1 (3 cm)		DIP > THAN MEASURED	↓↑			X		X				BED								
										IN CHERT ARGL		THIN, "GRADED"												
	200.0		BLEBBY BARITE, GRITTY BLK SHALE & CO_3 BEDS	SEE FIELD LOG FOR DETAILS		40/W	63			X		X		X		BED								
										BLEBBY		GALENA BLEBS												
	207.0		MASSIVE, U. CARB, NON-SIL, SLIGHTLY GRITTY BLK SHALE				53																	
	209.5		DK GREY, CHERTY ARGL, CONTAINS BLEBBY BARITE, BEDDED BARITE,	SEE FIELD LOG FOR DETAILS		35/W		X		X		X		X		NOD								
								THIN TO MASS																
"STUK?"	213.6		BRKY, ANGULAR CLASTS BLK SHALE, NOT SHEARED, RIMS OF CLASTS SILICIFIED (BLEACHED)	PY & QZ VEINS QZ-BARITE BRKY MATRIX, SMALL PY SLIVERS																				
	215.8		MASS PY, BEDDED, BLEBBY BARITE, CO_3 BEDS IN BLK SHALE	SEE FIELD LOG FOR DETAILS		35/W	60	X				X		X		BED								
								MASS TO THIN				1-4 CM												
	224.0		MASSIVE, BLK U. CARB., NON-SIL ARGL			50/W				X	M													
										FINE														
	225.4		ALT'G DK GY, CHERTY ARGL & BLK, MOD. SIL SHALE	CO_3 BEDS, BLEBBY BARITE SEE FIELD LOG FOR DETAILS		37/W	65	X						X		BED								
								THIN TO MASS (2 CM)						0.5-4 CM "BEDS"										
	230.4		U. SHEARED TO CHERTY, MASSIVE, FINELY BLK SHALE			10/W		X		X	M													
								SCATTERED																
MIN'D	235.3			ALMOST MASS PY AT BASE		20/W			20							NOD	80							
								FINELY LAM								RELICT BDG				COMP 1.91	COMP 1.20	COMP 20	COMP 4.0	
MIN'D	238.4					22/W			15							NOD	10	INTERLAM U. SIL BLK SHALE	75					
																SMALL				COMP 1.91	COMP 1.20	COMP 20	COMP 4.0	
MIN'D	238.9					23/W			60							NOD	40							
								MASS AT BASE								MASS AT TOP				COMP 1.91	COMP 1.20	COMP 20	COMP 4.0	
	241.2																							

▬ ▬ CO_3 NODULES COMP = COMPOSITE ANALYSIS

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-07

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. % / Thickness	PYRITE Diss. % / Size	BARITE Bad. % / Thickness	BARITE Bleb. % / Size	CO_3 Type % / Size	OTHER % / Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D			MASS BARITE (SEE FIELD LOG FOR DETAILS)		28/W				X MASS				20.6	1.18	10	0.5	
	245.0																
MIN'D			MASS BARITE (SEE FIELD LOG FOR DETAILS		23/W				X MASS		NOD MINOR AT BASE		14.9	6.72	5	1.0	
	247.6																
MIN'D					19/W		90 FINELY LAM				NOD 10 2-4 MM		3.25	5.64	10	2.5	
	250.0																
MIN'D				257.8-253.0 U.CARB, NON-SIL. BLK PY(LAM) SHALE	20/W		60 FINELY LAM				NOD 40 2-4 MM INC D/S		4.57	3.58	10	2.5	
MIN'D																	
	255.0																
MIN'D					20/W		80 FINELY LAM				NOD 20 0.3-1CM		2.79	3.65	15	2.0	
	258.0		BLK., U.CARB, NON-SIL., BLK SHALE				X NEAR TOP	X U.LOW FINE					COMP 4.20	COMP 2.96	COMP 15	COMP 2.5	
	258.6																
MIN'D					23/W		60				NOD 40 0.5-1.5CM BEDS 0.3-0.5CM		COMP 4.20	COMP 2.96	COMP 15	COMP 2.5	
	261.7																
MIN'D					26/W		50 FINELY LAM				BEDS 40 4-8 MM <0.6CM NOD	THIN BLK ARGL LAM 10 INTERLAM W/ PY LAM	0.58	1.32	25	3.0	
	265.0																
MIN'D					18/W		40 FINE				NOD 30 <2CM & THIN LAM 2-8 MM	CHERTY BLK U.PY.(LAM) ARGL (INC D/S) 30	0.58	1.30	30	4.0	
	270																
MIN'D					29/W		30				NOD 40 <2CM	CHERTY BLK PYRITIC (LAM) ARGL THIN BEDS 30	0.38	1.94	30	<0.5	
	273.0		U.SOFT, U.CARB WELL BEDDED BLK SHALE		20/W			X FINE					COMP 0.14	COMP 0.37	COMP 30	COMP <0.5	
	274.1																
MIN'D					15/W		30 2-3CM BEDS				10 <0.4CM	MOD SIL, V.CARB, DK GREY ARGL PY (LAM, DISS) 60	COMP 0.14	COMP 0.37	COMP 30	COMP <0.5	
	274.8																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-07

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS %	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba	ANALYSES ppm
			MASSIVE, V CARB, NON-SIL. BLK. SHALE		25/W	40							COMP 0.14	COMP 0.37	COMP 30	COMP <0.5		
	275.5		ALT'G BLEBBY BARITE, CO_3 NOD, PY (V CARB, PY (LAM) BLK SHALE	SHALE BEDS 0.4CM-1.5CM	25/W		X COARSE 1.5-3MM			X 0.6-1.6CM "BEDS"	NOD 1-2CM RELIT BDG		0.16	1.33	35	<0.5		
	280.0		SOS	BLEBBY BARITE INC. IN THICKNESS & FREQ DIS	27/W		X "			X "	NOD "		0.20	1.04	40	<0.5		
	285.0		SOS	BLEBBY BARITE DEC IN THICKNESS & FREQ DIS	30/W		X "			X	NOD "		0.10	0.57	30	<0.5		
	290.0		SOS	BLEBBY BARITE INTERVALS THIN & INFREQUENT	25/W		X "			X	NOD "		0.03	0.38	30	<0.5		
	300.0		SOS		20/W		X "			X DEC DIS	NOD "							
	310.0		SOS	LARGE SEPTARIAN CO_3 NOD AT 310.1, 313.4, 315.1, 317.9, 319.4	25/W		X DEC. DIS			X DEC DIS	NOD SMALL							
	320.0		INTERBEDDED NOD, TO O. SIL. BLK SHALE (NON SIL. V. CARB. QUI SHALE, SCATTERED 3-5CM CHERTY BAND	SCATTERED CO_3 LENSES & SEPTARIAN NOD	30/W						LEN SCATTERED							
	330.0		SOS, BEDDING THICKNESS VARIES 1.5CM - 10CM	SEPTARIAN NODULE (CO_3) AT 331.0	36/W		X THIN				SEP							
	340.0		SOS, THIN BLEBBY BARITE 349.4, 349.7 349.9	SEPTARIAN NOD (CO_3) AT 345.7, 348.7, 349.8	28/W					X 1.5-2CM "BEDS"	SEP 10-15 CM							
	350.0		SOS, THIN BLEBBY BARITE 350.0, 353.3, 353.4	SEPTARIAN NOD (CO_3) AT 351.6, 352.6, 357.5	26/W					X 1.5-2CM "BEDS"	SEP							
	361.0																	

CO_3 SEPTARIAN NODULES

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. ALIGN 18 MOC DIP -90° AZIM. — ELEV. ____ SIZE BQ STARTED AUG. 8/78 COMPLETED AUG. 11/78 LOGGED BY R. CARNE

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (°) Bedding W E	CORE ANGLE (°) Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % Pb	ppm Zn	% Cu	ppm Ag	oz. ppm Ba	% ppm
			CASING OVB																
	22.0		ALT'G DK GREY MOD'LY SIL, SLIGHTLY GRITTY SHALE &	BLK MOD SIL BLK SHALE SEE FIELD LOG FOR DETAILS.		60/w		BED PY-CO_3		BED COALESCING BLEBS.	NOD	NOD SMALL							
	30.0		SOS.	SLIGHTLY GRITTY, BLK, NON-PY U.CARB, SOFT ARG ARG. 31.6 - 32.5		6/w		"		" DOC. SLIG	" HTLY D/S	"							
	40.0		SOS	SEE FIELD LOG FOR DETAILS		67/w		"			BLEB	"							
	55.0		SOS	"		50/w		"			BLEB THIN & SCATTERED	"							
	60.0		SOS	"		40/w	88/w 11/	"			BLEB THIN & SCATTERED	NOD SMALL							
	70.0		FINELY INTERBED PYRITIC, SILTY DK GY SHALE & GRITTY BLK SHALE	(0.5 - 2.0 CM BEDS) NO BARITE		73/w		BED PY-CO_3				NOD SMALL							
	75.0		SOS	CO_3 NOD AT 79.6		88/w		LAM MINOR				NOD MINOR							
	80.0		SOS MOD SHEARING 80.0 - 81.8	CO_3 NOD AT 80.6, 82.5		70/w		LAM MINOR				NOD MINOR							
	85.0			CO_3 NOD OR BED 12 CM THICK & 7, 3, 6 CM AT 88.9		76/w		LAM MINOR				BED MINOR							
	90.0		SOS.	CYCLIC UPWARD "FINING" OF GREY TUFFACEOUS HORIZONS, CYCLES 4-8 CM		76/w	85/w	LAM MINOR											
	95.0		SOS.	CO_3 HORIZON AT 96.7 (UCM), 99.2 (LCM) SOFT SED SLUMP		60/w	86/w					BED							
	99.9																		

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			SOS, DRILLING DOWN DIP		26 SE	85/W											
	105.0		SOS, DRILLING DOWN DIP		VERT (SE)												
	110.0		SOS, DRILLING DOWN DIP	GOOD SL IN QZ-CO_3 SCATTERED VEINLETS	VERT (SE)	8/W											
	115.0		SOS MINOR SL W 3CM PY AT 118.4.	CO_3 NOD OR BED AT 117.3	60 SE	86/W	BED				NOD 6CM						
	120.0		SOS	SLIP DISP. ON CW 3MM W. SIDE UP	60 SE	80/W		X TUFF(?) HORIZONS									
	130.0		SOS.	CO_3 NOD AT 130.9 (3CM), 133.3 (8CM) 132.6 (12CM)	47 SE			X "			NOD LRGE						
	140.0		SOS PHOTO AT 141' TYPICAL	CO_3 NOD AT 141.0 (4CM) 147.6 (5CM)	64 SE	FOLD		X "			NOD LRGE						
	153.0		SOS DRILLING DOWN DIP	PROB SOFT/SED FOLD	VERT (SE)			X "									
	157.0		SOS PHOTO AT 157' SL IN VEINLETS	TAN SL IN QZ-CA VEINLETS NOT RELATED TO CW ∴ STWK ?	85/NW			X "									
	160.0		SOS PHOTO AT 163 TIGHT FOLDS	TIGHT SOFT/SED FOLDS ?		CW		X "									
	165.0		SOS.	MINOR SHEARING 168-169.9 QZ-CA STRINGERS CONTAIN NO SL	58/W			X "									
	170.0		SOS THICK BEDS WITH THINS WITH DEEP READ		68/W	83/W		X "									
	180.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			SOS,	PYRITIC, SLIGHTLY CALC, TUFFACEOUS(?) BEDS NOW ~EVERY 10-15CM	64/W			X "TUFF" BEDS									
	187.0		SOS	SLUMP FOLD(?)				X "									
	190.5		SOS	CO_3 BED 191.0-192.9 LAM PY (2MM) THROUGHOUT	64/W		X 2MM CO_3	X "									
	200.0		MOD SIL., GRITTY UFG. SLSW BEDS (2-8 CM) INTERCALD	WITH MOD SOFT, SLIGHTLY GRITTY BLK SHALE	58/W												
	210.0		SOS	BDG FLAKES GRADE TO BASE	65/W 26/W												
	217.0		SOS, BDG THICKNESS DEC TO 0.5-1CM	BDG. & INC	45/W		BED 1.2CM AT 221.3										
	230.0		SOS, FEW THIN TUFF(?) INTERVALS	NOW RAD. CHERTY ARGL INTERVALS, CALC BED AT 238.2 CO_3 AT 239.8				X TUFF(?)			BED						
	240.0		SOS	CO_3 BED AT 240.3 (6CM) 243.7 (12CM)	58/W			X "			BED						
	250.0		SOS	CO_3 NOD AT 255.1 (3CM), 255.6 (5CM) 256.0 (10CM)	55/W	72/W	LAM 1% CO_3	X "			NOD RELICT BDG.						
	260.0		SOS	BADLY BROKEN CORE 262.6-264.0 BRECCIATED, CONTORTED	55/W ~~~ 70/W	SHEAR 80/W		X "									
	273.0		SOS	SHEARED & BROKEN CORE CONTORTED & FOLDED BDG				X "									
	283.0		ALT GRITTY & UFG NON-SIL BLK SHALE	PYRITIC(DISS) THEFT(?) BEDS LIGHTLY CALC (AVE 15 MM), SCATTERED	60/W	78/W		X "									
	288.6																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. _____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED _____ COMPLETED _____ LOGGED BY _____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3^- Type Size	CO_3^- %	OTHER Description	%	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			TUFF(?) ALTG W NON-SIL DK. SHALE	INTERBEDDED CHERTY ARGL INTERVALS	55/W	75/W			X IN "TUFF"														
	294.4		MASSIVE BLK V.CARB, NON-SIL SHALE	"TUFF" (CALC) HORIZON AT 296.1 12 CM CO_3 BED AT BASE	50/W	85/W			MOD IN "FUZZY" W SHALE						BED 12 CM								
	297.9		V. SIL (SLIGHTLY GRITTY PYRITIC (LAM) SHALE	"TUFF" (2-4 MM) CO_3 BEDS AT 298.3 (6 CM) 301.9 (4 CM)	60/W		X								BED								
2 MIN'D ?	303.1		MASS. CO_3-PY BRXY (1.0 FT) 60% CO_3 40% PY	TOTALLY RXT				40								60							
	304.1		"TUFF" CO_3, SHAL BRXY	SHEARED & ROTATED FRAGS.																			
	305.6		INTERBEDDED, NON-SIL, GREY SILTY SHALE & V. CARB (SOFT, PYRITIC (LAM) BLK SHALE	MOD. SHEARED BDS THICKNESS 0.2-0.8 CM	50/W		X																
	308.0		BLK, MODN. SIL. BLK. SHALE & CHERTY BLK ARGL	MOD. SHEARED 10 CM CO_3 AT 314.6 2 CM CO_3 AT 313.1	52/W	65/W																	
	316.0		INTERBEDDED, SOFT, V. CARB BLK SHAL (LAM-PY), THIN "TUFF" HORIZONS AND	PYRITIC (DIS) CHERTY BLK ARGL	44/W		X		X														
	322.8		INTERBEDDED SOFT BLK SHALE & TUFF BEDS W CHERTY BLK. ARGL	CO_3 BEDS INC TO BASE (60%).			LAM DISCRET								BED								
	327.7		18% V. SIL. BLK SHALE 40% CHERTY BLK ARGL.		49/W	46/W	LAM W BARITE	2					X.	40									
	330.2		10% SOFT BLK SHALE 65% CHERTY BLK ARGL				THICK LAM	10					X MINOR		NOD	15							
	336.2		10% SOFT BLK SHALE 15% CHERTY BLK & 10% TUFF" ARGL	U. STRONG S/S DEF	43/W						BED W $BaCO_3$	15	BLEB W $BaCO_3$	40	NOD	10							
	339.6																						

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (°) Bedding W–E	CORE ANGLE (°) Structure W–E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3^- Type Size	CO_3^- %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			MASSIVE, MOD-SL PYRITIC (LOW DISS) SLIGHTLY GRITTY BLK SHALE	2 CM SECTION LAM PY AT BASE 0.5-1.0 CM CALC PY CONC				X		X + CONC.	L																		
	345.2		SOS.	NO PY CONCRETIONS.				X		X	L																		
	349.4		65% SLIGHTLY GRITTY, SOFT BLK SHALE	20% CHERTY BLK ARGL		28/W			5						15	NOD	5												
	354.0		MASSIVE BLK, SOFT PYRITIC (NR TOP) SHALE							X																			
	356.0		60% CHERTY BLK ARGL	15% SOOTY BLK SHALE		43/W									20	NOD	5												
														W/ $BaCO_3$		W/ Barite.													
	361.5		CHERTY, PYRITIC ARGL			45/W		X						X		NOD													
														SCATTERED		MINOR BA													
	366.0		SOS	SOFT, PYRITIC (DISS) BLK SHALE 369.5-372 W CO_3 SEPT. NOD		50/W		X		X				X		SEP													
														SCATTERED															
	372.0		SOS	375.1-377.4 SOOTY BLK SHAL CO_3 BED 379.6-380.0		45/W								X		BED													
														SCATTERED															
	380.0		SOS			53/W								X															
														MINOR															
	385.5		MASSIVE PYRITIC, (DISS), LOW-MSL.	CO_3 NOD AT 388.8 (4 CM) AND 390.0		58/W				X						NOD													
										FINE						<4 CM													
	394.0		SOS	CO_3 NOD AT 395.9		48/W				X						NOD													
										FINE						2 CM													
	401.3		CHERTY ARGL	SEE FIELD LOG FOR DETAIL		30/W								X															
														MINOR - STRIP APPARENT															
	409.4																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. ____ DIP ____ AZIM ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (CA) Bedding W–E	CORE ANGLE (CA) Structure W–E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES Pb (ppm)	ANALYSES Zn (%)	ANALYSES Cu (ppm)	ANALYSES Ag (ppm)	ANALYSES Ba (%)
			V. SILICEOUS, BLK ARGL, PYRITIC, SILICA CNT VARIES			38/W				X	M													
	412.5		SHEARED BLK SHALE	QZ-CA VEINS ALONG SHEAR ℄ FAULT GOUGE 413-414			55 S W / S SHEAR ℄																	
MIN'D	414.1								30							NOD	70							
								INC TO BASE								RELICT BDG				0.33	0.28	30	<0.5	
MIN'D	420.2					55/W			50							BED	45	INTERLAM CHERTY ARGL (INC TOPS)	5					
								2MM-1.5 CM								RELICT BDG 5-4 CM				2.89	3.62	25	<0.5	
MIN'D	427.0					60/W			35							NOD	65							
								LAM								INC D/S				3.31	2.82	15	<0.5	
MIN'D	432.0			GOOD SL TO PY 433.6-434.1		55/W			55							NOD	45							
																DEC D/S				COMP 5.17	COMP 2.82	COMP 15	COMP <0.5	
MIN'D	435.0					68/W			55							NOD	45							
								0.5 CM								0.5 CM				COMP 5.17	COMP 2.82	COMP 15	COMP <0.5	
MIN'D	437.0					60/W			55							NOD	45							
								0.5 CM								0.5 CM				4.64	3.12	15	<0.5	
MIN'D	442.0					55/W			45							NOD	55							
																0.3-0.8 CM				4.96	2.84	20	<0.5	
MIN'D	444.3			TRACE SL-GL 444.3-445.1		52/W			40							NOD	50	MOD. SIL. BLK SHALE	10					
																RELICT BDG 6-9 MM								
MIN'D	447.1					45/W			20							NOD	40	LAM (PERIN) BLK SHALE	40					
																RELICT BDG 1-2 CM								
MIN'D	450.0			MINOR SL-GL IN FK IN CO_3		45/W			20							NOD	30	THIN SHALE BEDS EVERY 4-5 CM	50					
	455.0																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-08

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
MIN'D						53/W			20							NOD	30	THIN SHALE BEDS EVERY 4-5 CM	50					
	460.0																							
MIN'D						52/W			15							NOD TR SL-GL	20	THIN BLK SHALE BEDS	55					
	465.0																							
MIN'D						56/W			15							NOD TR SL	20	THIN BLK SHALE BEDS	55					
	470.0																							
MIN'D						55/W			15							NOD	20	THIN BLK SHALE BEDS	55					
	475.0																							
MIN'D				INTENSE SHEARING		55/W			15							NOD	20	THIN BLK SHALE BEDS	55					
	476.0																							
MIN'D ?				CO_3 THICKER BUT LESS FREQUENT		53/W			15							NOD	20	THIN BLK SHALE BEDS	55					
	480.0																							
MIN'D ?						60/W			15							NOD	20	THIN BLK SHALE BEDS	55					
	485.0																							
MIN'D ?						58/W			15							NOD	20	THIN BLK SHALE BEDS	55					
	487.5																							
MIN'D ?				BLEBBY BARITE 487.6, 488.4, 489.1, 490.8, 492-493.		58/W			15					X 1-2 CM BEDS	15	NOD	20		40					
	493.2																							
			SOFT, V. CARB. MASS. BLK. ARGL PYRITIC NR TOP							X														
	495.3																							
			MOD-V. SL. BLK, PYRITIC (LAM) BLK ARGL					X							20		15							
														498.6-500.0										
	500.0																							
	END																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD ____ DIP ____ AZIM ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type	CO_3 %	CO_3 Size	OTHER Description	%	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba
			CASING PEBBLES ARGN QZTE, BARITE (MASS PY																						
	53.0																								
MIN'D						38/W			50							NOD	40		THIN, MOD. SIL BLK SHALE BEDS	10					
								FINELY LAM								RELICT BDG					0.27	2.18	25	1.0	
	55.0																								
MIN'D						40/W			50							NOD	40		THIN, MOD. SIL. SHALE BEDS.	10					
																RELICT BDG					0.25	2.36	20	<0.5	
	60.0																								
MIN'D						20/W	45/W		45							NOD	45		THIN, MOD. SIL. SHALE BEDS.	10					
																					0.39	2.87	25	1.0	
	65.0																								
MIN'D						05/W			50							NOD	40		THIN BLK SHALE BEDS.	10					
																					0.17	1.91	20	0.5	
	70.0																								
MIN'D						28/W			45							NOD	60		THIN BLK SHALE BEDS.	5					
																					COMP 0.47	COMP 1.77	COMP 30	COMP <0.5	
	73.8																								
MIN'D				INCL. BLK SHALE BRECCIA CLASTS												NOD	100								
																GOOD GL					COMP 0.47	COMP 1.77	COMP 30	COMP <0.5	
	74.5																								
MIN'D						15/W	50/W		35							NOD	40		DSS. PYRITE BLK ARGL INTERBEDS 0.1-0.3 FT	2					
								FINELY LAM													0.30	1.88	25	<0.5	
	79.0																								
MIN'D									50							NOD	40		CHERTY ARGL INTERBEDS	10					
								FINELY LAM													0.38	3.47	20	0.5	
	85.0										30					NOD	70								
MIN'D				85.0-85.4 CARB. MOD SIL., NON-PY BLK ARGL						INTERSTITIAL											COMP 0.97	COMP 4.79	COMP 20	COMP <0.5	
	86.8																								
MIN'D				GOOD GL 89.6-90.3		45/W	58/W		40							NOD	60								
																					COMP 0.97	COMP 4.79	COMP 20	COMP <0.5	
	90.3																								
MIN'D						43/W	66/W		40							NOD	60								
																LARGE					0.35	4.04	20	0.5	
	95.0																								

MIN'D = COMPOSITE. DAIGHRES

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. Thickness	%	PYRITE Diss. Size	%	BARITE Bed. Thickness	%	BARITE Bleb. Size	%	CO_3 Type Size	%	OTHER Description	%	ANALYSES Pb %	Zn %	Cu ppm	Ag ppm	Ba %
MIN'D				MASS CO_3 96-96.3 MOD SIL, NOD PY BLK ARGL 96.4-96.6		35/W			50							NOD SMALL <1CM	50			0.69	3.15	20	1.0	
	96.6																							
MIN'D						33/W	66/W	V. FINELY LAM	50							NOD VERY SMALL CO. GRN	50			0.78	3.47	25	0.5	
	102.2		LOW-MOD SIL. BLK ARGL																					
MIN'D	106.0		MASS. PY GOOD SL FAIR GL	THIN, NON-SIL BLK SHALE AT 107.3					100											2.28	7.68	25	<0.5	
MIN'D	107.5			V. CONTORTED				INTERLAM AND INTERST.	50							NOD	70			1.66	5.40	15	<0.5	
	110.8		MOD.-V. SIL., BLK VFG ARGL, NON-PY SLCA CNT DEC SLIGHTLY DIS	MASS, VFG RE-NT CO_3 BED 112.6-113.5		08/W	35/W									BED								
	115.0		V. SIL., PYRITIC MASSIVE, BLK ARGL	FAIR-MOD CLV			45/W			X SMALL CUBES														
	120.6		MOD-V. SIL (VARIES) BLK, PYRITIC ARGL				43/W			X														
MIN'D	127.0					05/W	46/	FINELY LAM	60								40			0.46	3.05	20	<0.5	
MIN'D	131.0			131.9-132.1 LOW SIL, V. CARB BLK ARGL		03/W		FINELY LAM	60								40			0.76	2.74	15	<0.5	
MIN'D	135.0			GRADES TO MASS PY AT BASE (136.6-137.0)		15/W	48/	FINELY LAM TO MASS.	60									THIN, NON-SIL BLK ARGL	40	1.89	6.41	25	1.0	
MIN'D	137.0									X INTERST.						MASS	100							
	137.7																							

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

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VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	CO_3 Type % Size	OTHER % Description	ANALYSES % ppm Pb	% ppm Zn	% ppm Cu	oz. ppm Ag	% ppm Ba
			LOW-MOD SIL (INC D/S) PYRITIC BLK ARGL		10/W	36	X NR BASE	X NR TOP									
	142.0		MOD-V. SIL BLK SHALE	BEST PARTING ON BDG	15/W	40	X EVERY 2-3 CM										
	147.0		SOS	BEST PARTING ON CLV	10/W	40	X EVERY 2-3 CM										
	152.0		SOS, UNIFORMLY V. SILICEOUS		18/NW	38	X										
	157.0		SOS	CHERTY ARGL 159.0-160.1	25/W	38	X										
	164.2		SOS	164.6-165.0 BLK VFG CO3 BED W DISS LAM PY REPEATED 166.1-166.7	75/W 58/E	40/W P/A CONFORMS.	X				BED						
	167.5		SOS, MOD. SIL.	CHERTY INTERVALS	18/W	28/W	X										
	170.0		SOS	STRONG SOFT/BED(?) DEFORM^N AT 172.8	05/W	21/W	X EVERY 4-6 MM										
	175.0		SOS	SILICA CNT VARIABLE	08/W	23/W	X EVERY 1-3 MM										
	180.0		SOS, UNIFORM MOD SIL		18/W	20/W	X EVERY 1-3 MM										
	185.0		SOS, CHERTY FOR MUCH OF INTERVAL	6CM PYRITIC (DISS) CO_3 BED AT 188.5	00/W	18/W	X EVERY 1-1.5 CM				BED						
	190.0		SOS, MOD. SIL.	4CM PYRITIC (DISS) CO_3 BED AT 192.6	08/W	20/W	EVERY 4-8 MM				BED						
	195.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY % INTERBEDS	CORE ANGLE (°) Bedding W/E	CORE ANGLE (°) Structure W/E	PYRITE Lam. Thickness %	PYRITE Diss. Size %	BARITE Bed. Thickness %	BARITE Bleb. Size %	CO_3^- Type Size %	OTHER Description %	ANALYSES % Pb ppm	% Zn ppm	% Cu ppm	oz. Ag ppm	% Ba ppm
			SOS	CHERTY INTERVALS	14/W		X INFREQ.										
	200.0		SOS		18/W		X INFREQ										
	205.0		SOS	NO PYRITE													
	210.0		SOS	BRECCIA ZONE AT TOP NOT SHEARED	34/E	16/W	X SCATTERED										
	215.0		MOD-V.SIL. BLK V.CARB SHALE 12CM CO_2 BED AT 219.5	SCATTERED QZ-CA VEINLETS OF MINOR PY-GL	34/E	21/	X EVERY 0.6-1CM				BED 12 CM						
	222.0		SOS	TIGHTLY FOLDED (INCL. CLW?) LIGHTLY SHEARED			X										
	232.0		NON-SIL, V.CARB BLK SHALE		22/W	28/	X EVERY 6-15 MM										
	237.0		CHERTY BLK SHALE	25% CORE REC NO GOUGE OR BRECCIA	15/W		X	X									
	245.0		NON-SIL, V.CARB BLK SHALE	GOOD PARTING ON BDG	16/W	32/W	X EVERY 1-4 MM										
	250.0		SOFT, NON-SIL. BLK SHALE	40% REC	18/W		X										
	255.0		SOS	30-40% REC NO GOUGE MOD BRECCIA QZ-CA MATRIX	11/W		X EVERY 2-6 MM										
	260.0		SOS	50% REC MASSIVE QZ-CA VEINS			X										
	266.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W/E	CORE ANGLE Structure W/E	PYRITE Lam. / Thickness	%	PYRITE Diss. / Size	%	BARITE Bed. / Thickness	%	BARITE Bleb. / Size	%	CO_3^- Type / Size	%	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			GOUGE, BRECCIA QZ-CA VEINS																										
	274.0		MOD-V.SIL, VFG MASSIVE BLK ARGL	80% CORE REC 4CM CO_3 BED AT 274.4		26 NW	40 W	X								BED 4CM													
								PRESENT IN GROUPS 4-8 LAM																					
	276.0		MOD-V.SIL, VFG V.CARB MASSIVE BLK ARGL	6CM CO_3 (DISS PY) BED AT 276.2 80% REC		25 NW	40 W	X								BED 6													
								AS ABOVE																					
	283.0		SOS, VERY UNIFORM			30 NW	40 W	X																					
								AS ABOVE																					
	288.0		SOS			32 W	36 W	BED																					
								20CM AT 292.8																					
	293.0		SOS				32 W	BED																					
								20CM AT 295.0																					
	300.0		SOS, VERY UNIFORM			30 W	32 W	X																					
								SCATTERED "FUZZY" LAM																					
	310.0		SOS, MOD-V.SIL			28 W	28 W	X																					
								AS ABOVE																					
	316.2		V. CARB, NON-SIL, NON-PYRITIC BLK ARGL	CO_3 BEDS AT 316.4 (4 CM) 317.0 (8 CM) 320.0 (40 CM) 321.2 (12 CM)		24 W	28 W	X								BED													
								MINOR IN CO_3 BEDS																					
	322.0		MOD.SIL, V.CARB MASSIVE BLK ARGL FAINTLY LAM. APPEARANCE	GOOD PARTING ON CN (PINSTRIPE WK UNIT ?)		35 NW	25 W																						
	330.0		SOS	CHERTY INTERVALS		25 W	28																						
	338.0		SOS	GOUGE ZONE 338.0 - 338.2		40 NW	15 W	X																					
								V. FINE																					
	343.0																												

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD. ____ DIP ____ AZIM ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Inter-section	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W–E	CORE ANGLE Structure W–E	PYRITE Lam. % Thickness	PYRITE Diss. % Size	BARITE Bed. % Thickness	BARITE Bleb. % Size	$CO_3^=$ Type % Size	OTHER % Description	ANALYSES % Pb	ppm Zn	% Cu	ppm Ag	oz. Ba	ppm
			SOS			35/SW	20/W	X FAINT											
	348.0		SOS, LOW-V.SIL.	PYLAM DISTINCT 349-351' TIGHT FOLDS 349-350		✳ 34/W	15/W	X DISTINCT											
	360.0		SOS, AS ABOVE "TUFF"-BANDED SHALE, AS BELOW	INTERNAL BRECCIATED & SHEARED															
	369.0		MOD-V.SIL. BLK SHALE	GREY, SILTY "TUFF" BEDS W DISS. PY.		04/W	30/W		X IN "TUFF"										
	372.0		MOD-V.SIL., MASS BLK ARGL			10/W	35/W	X SCATTERED COARSE GRAINED	NID TO BARITE 6.3MM										
	380.0		SOS	SCATTERED "TUFF" BEDS		↕ ↕ 30/W	34/W		X IN "TUFF"										
	390.0		SOS	SCATTERED "TUFF" BEDS SOFT/SED BRECCIA AT 395.0		↕ E 40	28/W		X IN "TUFF"		X SCATTERED NEAR BASE								
	400.0			TIGHT FOLDS 401.5-403.0 SHEARED 405.8-407.0		✳ ↕ ↕ 39/W	28/W	X LAM AT 402.0	X IN "TUFF"		X								
	407.0		GRITTY, MOD. SIL. BLK SHALE (2-4 CM)	CHERTY, BLK, PYRITIC (DKS) ARGL		39/W	30/W	X	X		X	BED 2-4CM							
	415.0		SOS			↕ 45 E 65	45/W	X	X		X	BED 2-4CM							
	420.0		SOS	CONTORTED BDG 420.6-421.0		~~~ 10/W	22/W	X	X		X	BED							
	425.0		SOS	CONTORTED BDG 428-430.6		↕ 24/W	24/W	X	X		X	BED							
	430.6																		

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS %	CORE ANGLE (°) Bedding W–E	CORE ANGLE (°) Structure W–E	PYRITE Lam. % / Thickness	PYRITE Diss. % / Size	BARITE Bed. % / Thickness	BARITE Bleb. % / Size	$CO_3^=$ Type % / Size	OTHER % / Description	ANALYSES % Pb	% Zn	ppm Cu	ppm Ag	% Ba
			GRITTY MOD. SIL SHALE (2-4 CM)	CHERTY, BLK PYRITIC (DISS) ARGL INTERBEDS	✱ / 12/W	30/W	X / THIN BEDS	X / IN CHERTY ARGL		X	BED / 2-4 CM						
	435.0		SOS		✱ / 60/NW	30/W	X / "	X / "		X / THIN & SCATTERED	BED / "						
	440.0		SOS.	TUFF "THIN BEDS	55/W / 20/W	26/W	X / MORE COMMON	X / IN ARGL & "TUFF"		X / THINNY SCATTERED	BEDS / MORE COMMON						
	445.0		SOS	TUFF "BEDS MORE FREQ	17/W	23/W	X / "	X / "		X / DEC	BED / SAME						
	450.0		SOS	"TUFF" NOW 50% NO BARITE	35/W		X / MINOR	X / "			BED 30						
	455.0		SOS, AS ABOVE INTERVAL		15/W		X / INC	X / "		X / 2CM AT 459.0	BED 30						
	460.0		SOS, AS ABOVE	CHERTY ARGL ~20% "TUFF" ~30%	20/W		X 20				BED 30						
MIN'D	463.5				20/W		LAM 40 / W SL				NOD 60 / NEARLY BEDS 1-2 CM		0.35	2.43	55	2.0	
MIN'D	468.0			GOOD SL LAM 471-472	20/W		LAM 45 / W SL				NOD 50 / <1CM	THIN PYRITIC LAM 5 / BLACK CHERTY ARGL	0.31	4.11	45	1.0	
MIN'D	473.0			STRONG SOFT/BED(?) FOLDING 475-475	25/W		LAM 50 / GOOD SL				BED 50 / <1CM		0.10	2.87	25	<0.5	
MIN'D	478.0				15/W		BED 55 / <1CM				BED 40 / ≤3CM	SPOTTY ≤2 CM 5 / BLK. NON SIL ARGL BEDS	0.20	6.41	20	<0.5	
MIN'D	483.0			STRONG SOFT/BED(?) DEFORM "486.0-488.0	28/W		BED 55 / ≤1.5CM W SL				NOD 35 / 1.5-3CM	INTERLAM (10%) BLK PYRITIC (LAM) ARGL 10	0.15	3.47	20	<0.5	
	488.0																

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD.____ DIP____ AZIM.____ ELEV.____ SIZE____ STARTED____ COMPLETED____ LOGGED BY____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE (°) Bedding W E	CORE ANGLE (°) Structure W E	PYRITE Lam. % / Thickness	PYRITE Diss. % / Size	BARITE Bed. % / Thickness	BARITE Bleb. % / Size	CO_3^- Type % / Size	OTHER Description %	ANALYSES % Pb	ANALYSES % Zn	ANALYSES ppm Cu	ANALYSES ppm Ag	ANALYSES % Ba
MIN'D				STRONG SOFT/SED (?) DEF'N 488-490		28/W		BED 55 / ≤1.5CM				NOD 35 / 1.5-3CM SPOTTY	INTERLAM (W PY) PYRITIC LAM ARGL 10	0.10	1.97	20	1.0	
	493.0																	
MIN'D				STRONG SOFT/SED (?) FOLDING 495-498		25/W	40/W	BED 55 / ≤1.5CM				NOD 55 / 1.5-3CM	INTERLAM (W PY) PYRITIC LAM ARGL 10	0.16	1.46	25	1.0	
	498.0																	
MIN'D						52/W	32/W	LAM 45				NOD 50 / ≤1.5 CM	LAM & SCATTERED BEDS CHERTY BLK ARGL 5	0.07	1.83	25	1.0	
	503.0																	
MIN'D						50/W	35/W	LAM 45 / SOME BEDS				NOD 50 / ≤1.5 CM	LAM & SCATTERED BEDS CHERTY BLK ARGL 5	0.06	1.55	20	<0.5	
	508.0																	
MIN'D			STRONG SOFT/SED FOLDING 508.5-510.0	SL > PY 510.0-512.1		15/W		LAM 35 / (THIN) BEDS		BED / MINOR 512-513		NOD 60	INTERLAM CHERTY ARGL 5	0.13	3.72	25	1.0	
	513.0																	
MIN'D						05/W		LAM 45			BED / ≤1CM NR TOP	NOD 40 / REWORKED 0.5-2CM	INTERLAM CHERTY ARGL 5	0.15	2.70	20	<0.5	
	518.0																	
MIN'D						10/W		LAM 40				NOD 55 / ≤2CM	SCATTERED INTERLAM CHERTY ARGL 5	0.35	3.21	25	<0.5	
	523.0																	
MIN'D			MOD SOFT/SED DEF'N	MASSIVE BARITE 523.4-531.0		15/W		LAM 20		BED 50 / MASSIVE NO THIN BEDDED		BED 20 / SCATTERED <1CM	INTERBEDS OF CHERTY BLK ARGL 10	0.01	0.15	25	<0.5	
	528.0																	
MIN'D						15/W		LAM 20		BED 30 / DEC D/S		NOD 30 / INC D/S	INTERBEDDED CHERTY BLK ARGL 20	<0.01	0.02	40	<0.5	
	531.0																	
			INTERBEDDED CHERTY BLK ARGL (SCATTERED THIN "TUFF" BEDS	SILICA CAP DEC RAPIDLY D/S		05 W / ≤70	25/W		X / W CO_3 NOD			NOD / W PY						
	535.0																	
			LOW-MOD SIL, MASSIVE NON-PY BLK ARGL	GOOD CLW		30/W	25/W		X / W CO_3 NOD			NOD / W PY SCATTERED						
	540.0																	
			SOS	CO_3 BED 543.0-543.3					X / "			X / "						
	545.0																	

GJV-DRIFTPILE CREEK PROJECT: LOG DDH 78-09

COORD. ____ DIP ____ AZIM. ____ ELEV. ____ SIZE ____ STARTED ____ COMPLETED ____ LOGGED BY ____

VISUAL LOG	FOOTAGE Intersection	FOOTAGE True Depth	PRIMARY LITHOLOGY	SECONDARY INTERBEDS	%	CORE ANGLE Bedding W E	CORE ANGLE Structure W E	PYRITE Lam. Thickness	PYRITE %	PYRITE Diss. Size	PYRITE %	BARITE Bed. Thickness	BARITE %	BARITE Bleb. Size	BARITE %	CO_3 Type Size	CO_3 %	OTHER Description	%	ANALYSES % Pb	ppm	% Zn	ppm	% Cu	ppm	oz. Ag	ppm	% Ba	ppm
			LOW - SLIGHTLY SIL, WEAKLY PYRITIC, MASSIVE BLK ARGL	WELL DEV CLV						X NOD W/ CO_3						NOD W/ PYR ≤ 3 MM													
	558																												
	END																												

ARCHER, CATHRO
AND ASSOCIATES LTD.
CONSULTING GEOLOGICAL ENGINEERS

BOX 4127, WHITEHORSE, Y.T. Y1A 3S9 667-4415 STANDARD BUILDING, VANCOUVER, B.C. 688-2568

1016 STANDARD BUILDING
510 WEST HASTINGS STREET
VANCOUVER, B.C.
V6B 1L8

October 11, 1978.

STATEMENT OF QUALIFICATIONS

I, Robert C. Carne, residing at 5665 Toronto Road, Vancouver, British Columbia, state that:

1. I have graduated from the University of British Columbia with a B.Sc. degree in Geological Sciences in 1974.

2. I have been employed by Archer, Cathro & Associates Ltd. as a geologist since 1977 and that I have been engaged in mineral exploration in British Columbia, Yukon Territory and Northwest Territories since 1970.

3. I am a member of the Geological Association of Canada.

4. I am a member of the Geological Society of America.

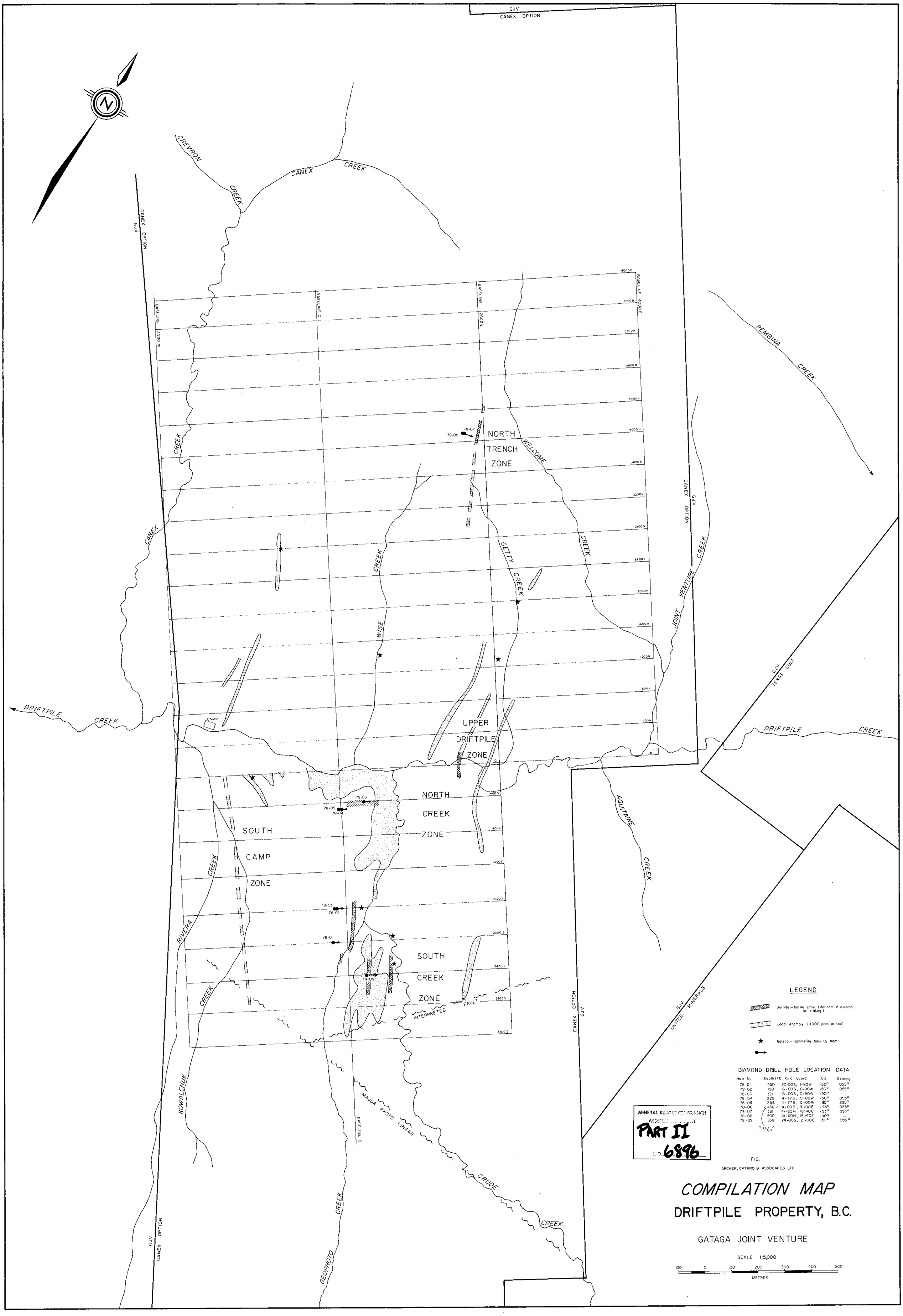
5. I am a member of the Society of Economic Paleontologists and Mineralogists.

6. I personally supervised the exploration program at the Driftpile property during 1978 and logged all drill core.

Respectfully submitted,

RCC:jm

Robert C. Carne, B.Sc.


GJV
CANEX OPTION
CHEVRON CREEK
CANEX CREEK
CANEX OPTION GJV
BASELINE 2000 W
BASELINE 0
BASELINE 2000 E
BASELINE 4000 E
PEMBINA CREEK
NORTH TRENCH ZONE
WELCOME CREEK
GETTY CREEK
WISE CREEK
JOINT VENTURE CREEK
CANEX OPTION GJV
GJV TEXAS GULF
DRIFTPILE CREEK
CAMP
UPPER DRIFTPILE ZONE
NORTH CREEK ZONE
SOUTH CAMP ZONE
RIVERA CREEK
SOUTH CREEK ZONE
INTERPRETED FAULT
AQUITAINE CREEK
GJV UNITED MINERALS
KOWALCHUK CREEK
MAJOR PHOTO LINEAR
GEOPHOTO CREEK
CRUDE CREEK
GJV CANEX OPTION
78-01
78-02
78-03
78-04
78-05
78-06
78-07
78-08
78-09
LEGEND
Sulfide – barite zone (defined in outcrop or drilling)
Lead anomaly (1000 ppm in soil)
Galena – sphalerite bearing float
DIAMOND DRILL HOLE LOCATION DATA
Hole No | Depth (Ft) | Grid Coord | Dip | Bearing
78-01 | 450 | 20·00S, 1·80W | -52° | 055°
78-02 | 198 | 16·00S, 0·90W | -55° | 055°
78-03 | 321 | 16·00S, 0·90W | -90° | . . .
78-04 | 225 | 4·77S, 0·00W | -50° | 055°
78-05 | 256 | 4·77S, 0·00W | -85° | 235°
78-06 | 456 | 4·00S, 3·00E | -45° | 055°
78-07 | 361 | 41·60N, 18·40E | -53° | 095°
78-08 | 500 | 41·60N, 18·40E | -90° | —
78-09 | 558 | 24·00S, 2·00E | -51° | 055°
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6896
PART II
FIG.
ARCHER, CATHRO & ASSOCIATES LTD
COMPILATION MAP
DRIFTPILE PROPERTY, B.C.
GATAGA JOINT VENTURE
SCALE 1:5,000
100 0 100 200 300 400 500
METRES