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MINING RECORDER
MAYO, Y.T.
I.A. & N.D.

1995 ASSESSMENT ON DIAMOND DRILLING ON THE ANTHEA 1-66 MINERAL CLAIMS

093439

Located near Kiwi Lake

Yukon Territory, Canada

Mayo Mining District

NTS 106E/2

65° 12' North Latitude

134° 37' West Longitude

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
OCT 10 1995
WHITEHORSE
YUKON TERRITORY

-prepared for-

MAYO MINING RECORDER

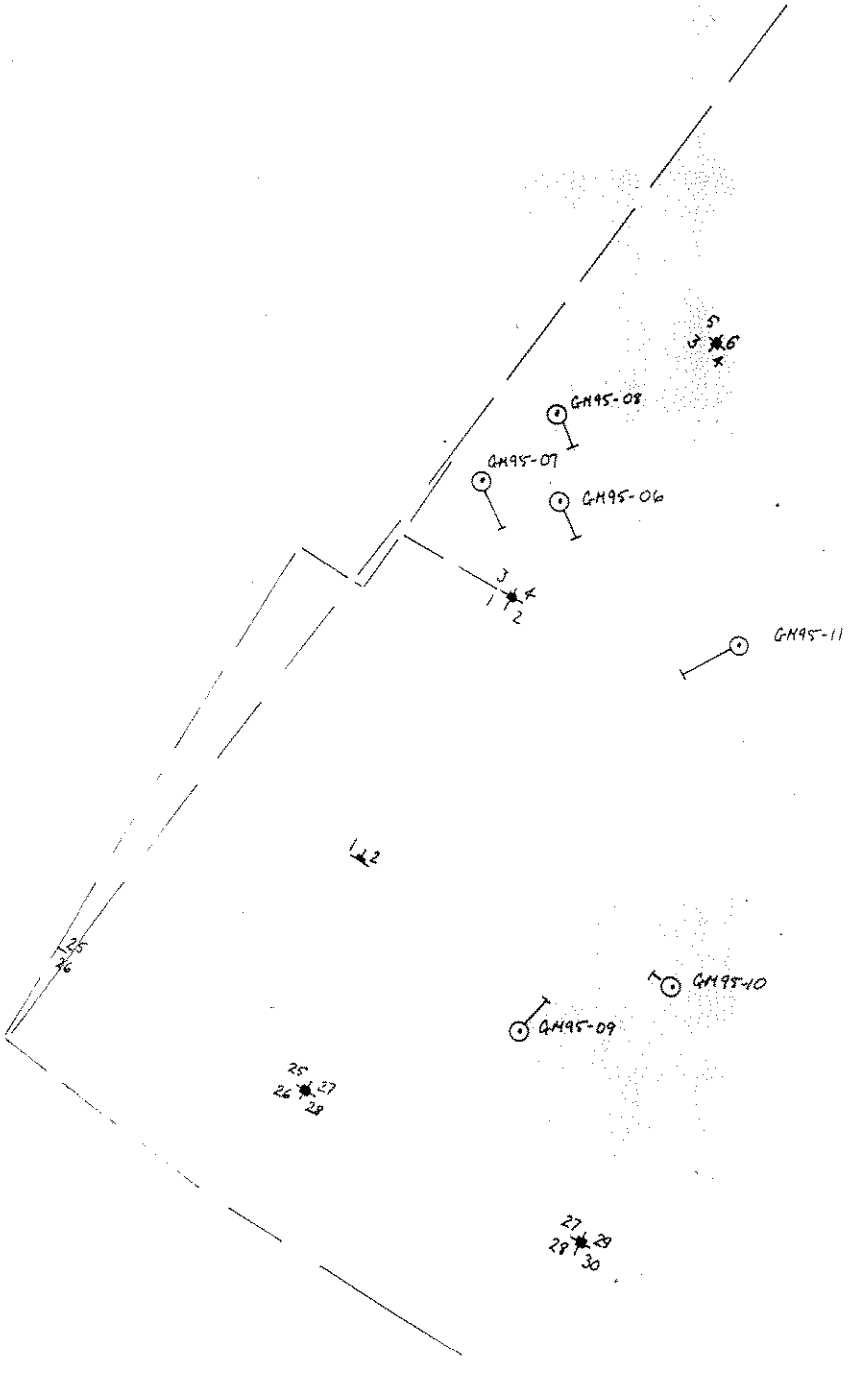
Mayo, Yukon

-prepared by-

PAMICON DEVELOPMENTS LTD.

DATES OF WORK PERFORMED: May 1 to August 20, 1995

DATE OF REPORT: August 1995



GREMLIN PROPERTY – ANTHEA 2, 3, 27

1995 DRILL-HOLE COLLARS

1:10 000

GROUP II GM95-10

NTS 106 E 2

AUGUST 1995 ASSESSMENT FILING.

ALL CORE IS STORED ON THE SLAB MINERAL CLAIMS AT THE COPPER POINT BASE CAMP

NJ

PAMICON DEVELOPMENTS LIMITED

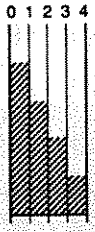
DRILL LOG

PROJECT: FJV - GREMLIN	GROUND ELEV.: 870 m
HOLE NO.: GM95-06	BEARING: 160 Az
LOCATION: UTM: 7 230 038 mN; 517 548 mE Claim: Anthea 3	DIP: -70
	TOTAL LENGTH: 135.1 m
LOGGED BY: J Dickie	HORIZONTAL PROJECT: 46.20m
DATE: June 25, 1995	VERTICAL PROJECT: 127.95 m
CONTRACTOR: FALCON DRILLING	
CORE SIZE: NTW	
DATE STARTED: June 24, 1995	
DATE COMPLETED: June 25, 1995	
DIP TESTS: Sperry Sun @ 428' BS 168 DIP -74	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

100 m step-out from GM94-02/03

0 - 6.7 m Casing
6.7 - 26.8 Bl. sh.
26.8 - 34.7 AB alteration
34.7 - 37.7 Bl. sh. + Q2 - Ak
37.7 - 38.2 Bl. sh.
38.2 - 38.5 AB
38.5 - 44.0 Bhm
44.0 - 44.5 sh (grey)
44.5 - 59.6 Bl. sh.
59.6 - 65.4 Bhm + AB - CL ± Q2 ± PY
65.4 - DLSLST
- 135.1 (EOH)

M minor tight folds
/ bedding rel. to core axis
Z foliation " "
/ fracture " "
// vein " "

LEGEND Lithologies.

sh - Shale
DLSLST - Dolomitic siltstone
Bht - heterolithic breccia
Bhm - homolithic breccia

Alteration.

AK - ankerite
SD - siderite
CL - chlorite
CA - calcite
Q2 - quartz
BI - biotite
FL - fluorite
AB - albite

Sulphide/Oxide Minerals

MC - malachite
JA - jarosite
GE - goethite
MG - magnetite
PY - pyrite
cpy - chalcopyrite
CO - cobaltite
DO - dolomite
Aspy - arsenopyrite.

PAGE 1 OF 6 | PROJECT: GREMLIN | HOLE NO. GM95-06

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				0 - 6.7m Cased
5				
	100			6.7 - 26.8 Black lam. sh.; QZ-PY stringers → Jarosite
	79			S_0 ~ 20° (to core axis)
				stringers ~ 12° and up-to 90° to S_0
10	120		S_0	
	%			12.0 - 12.2m.
	100		$S_0 \parallel S_1$	QZ-CL-PY ± AK stringers
				S_1 (cleavage) ∥ stringers.
15				S_0 ∡ 45°
	96			12.8 - 18.2m
	98			crackled sed's.; QZ-AK-CL-PY stringers.
	99			S_0 ~ 12° ~ S_1
20				19.0 - 20.0m
	95			QZ stringers @ 85°
				QZ-CL-PY stringers @ 12-15°
	98			21.2m py blebs + stringers.
25				23.5 - 23.9 QZ-AB-CL Brecciated QZ veinlet
				approx. ∥ S_0
	112			24.5 - 25.5 QZ-CL-PY veinlets @ 12°
	95		30	26.8 - 34.7m QZ-AB alt'n. zone.
				AK-QZ veins @ 45°
30				K-alt'n. assoc. w QZ (?) overprint of Na (?)
	97			QZ-K-PY ± CPY @ 50°; CL rims on frag's +
				veinlets
				▱ replaced rombs of (?) calcite (?)
	104			34.7 - 37.7
35	94			
	101			37.7 - 38.2 Black sh.; CL w/in ± QZ (sil.)
				38.2 - 38.46 AB alt'n.
	99			38.46 - 44.0 Bhm.; fragmental albitized sh frag'd. clasts ≤ 6cm.
40				
	101			shear fabric ∥ QZ + PY ± CPY @ 30°
				MG dissem. 7-10%; QZ-AK ± SD
				44.0 - 44.77 Sh. - closely spaced horiz. stringers QZ + PY.
	100			44.0 - 44.2 veinlets @ 85° JA rpl. PY
45				vein QZ-AB-MG; red. hem. surrounds py-cpy blebs

ALTERATION: SD A | AK B | CL C | CA D | AB E

FRACTURE INTENSITY

% VEIN QTZ.

PAGE 2 OF 6 | PROJECT: GREMLIN | HOLE NO. GM95-06

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Scint. cps.	Mag. Susc.
										200
no apparent min.; poss Tr py		6.7	8.7	2.0m	03451	259	<5	29		
abt & jas.										
		8.7	10.7	2.0m	03452	83	<5	15		V
Trace to <1% py in Qz stringers.		10.7	12.7	2.0m	03453	77	<5	14		2000
Qz-Cc stringers offset by minor frac's.		12.7	14.7	2.0m	03454	140	<5	63		2000-4000
Py-Qz-Cc stringers ± AsPy(?) <1% cpy.										↓
Rare violet PY-Qz + Jas.										3000
Py stringers & blebs on fracture-fill		14.7	16.7	2.0m	03455	129	<5	33		200
										∅
		16.7	18.7	2.0m	03456	80	<5	42		↓
										∅
Py stringers 2-4 mm; follows S_0		18.7	20.7	2.0m	03457	54	<5	51		
Poss Tr Aspy?										
21.2m py follows frac's as blebs/veinlets.		20.7	22.7	2.0m	03458	106	<5	14		300
										∅
Blebs of cpy assoc. w. mag.-(brn violet)		22.7	24.7	2.0m	03459	90	<5	13		
min py stringers.										
Py as blebs/dissem's in Qz stringers		24.7	26.2	1.5m	03460	92	<5	25		Y
Tr Py ± cpy (Tr)?										Tr
26.0m cpy (Tr - 1%) in Qz-Ab veinlets/brx. →		26.2	27.7	1.5m	03461	2490	<5	51		
26.6m Qz-Py (Py - 80%) vein.										
py stringers in Qz;		27.7	29.2	1.5	03462	1050	<5	27		
Tr dissem. cpy; Tr - 0.5% cpy										
in frac's. ~30°; in spec (Tr)		29.2	30.7	1.5	03463	965	<5	24		
5-7% py ± Tr cpy up to		30.7	32.2	1.5	03464	335	<5	51		
2-3% cpy in stringers.		32.2	33.7	1.5	03465	808	<5	37		
		33.7	35.2	1.5	03466	278	<5	35		
		35.2	36.7	1.5	03467	777	<5	60		
1-3% cpy veinlets/blebs in Qz; 1% py										
cpy dom. in select. frac's		36.7	38.2	1.5	03468	1285	<5	18		
		38.2	39.7	1.5	03469	9630	90	48		
1-3% cpy as stringers (60° to core axis)		39.7	41.2	1.5	03470	>10000	135	57		
4-6% as dissem. and blebs										
over ~10% cpy		41.2	42.7	1.5	03471	>10000	64	30		
MC (1-2), Magnet. 7-10% dissem. rimming clasts.		42.7	44.2	1.5	03472	>10000	145	471		
Cpy bleb @ 44.0m. (base of Bhm.)		44.2	45.7	1.5	03473	3900	30	396		
(10-12%)										

MADE IN VANCOUVER, CANADA

PAGE 3 OF 6 | PROJECT: GREMLIN | HOLE NO. GM95-6

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION SD A	AK B	CL C	CA D	AB E	FRACTURE INTENSITY	% VEIN QTZ.
50	96			45.0 - 59.6 Black sh.; stringers ± QZ ± AB → frag. texture. boudins in stringers @ ~85 - 90°							
			6° veinlet QZ-AB-PY-CL	subvert. fracture/offset veinlets/stringers. Biot: (2)							
			Broad fold hinge intersected.	Jan-all" ± PY; stringers @ 45°, 60°, 90°							
	102		25° Poss. QX. plm. clvge!	48.m. PY at 60° Boudined QZ-AB-PY-Hem.(red)							
				49.1 m - 48 m. bedding ∥ core axis							
55	98		vein. AB ± QZ	80° fract. offset by 45° veinlets.							
				50.5 - 51.76 AK-QZ-CL vein @ 90°							
				52.5 - 52.9 Fragmented sh; pseudo-"crackle" bhm.							
	101		vein AB ± QZ	defined by veinlet/fract" @ 80° every .5-2 cm.							
			minor fold hinge	bedding ∥ core axis							
	96		-85°	S0 ≈ 0°							
60			{fractured margin}	veins ⊥ S0; minor S0 ∥ veinlets folded ~							
				60.15 - 61.78 m AB-SD-CL ± QZ (± py + cpy)							
	100		T85 AK-CL T10	JA + GE.							
			(poss. Aspy?)	61.79 - 63.08 Fragmental grey sh. (Bhm)							
65			45° fract. ± AK.	veinlets of Ab-CL ± QZ ± PY.							
	100		minor Z-folds	- Breccia of mixed black sh. and							
			S0 ≈ 75°	pale grey dolomitic siltite.							
	102		NC on fracture planes ± AK	matrix of AK - PY ± AB + CL PY → Ja							
70			30°	64.08 - 64.38 AK-SD ± QZ vein.							
				65.2 - 65.4 AK-QZ vein							
	98		65.4 - 72.15	Dol. Siltstone ∥ AK-PY veinlets @ 45°							sil.
				5" vein (20cm) @ 66.15 m							
			70.06 graphite	AK breccia-fill @ 66.90 m.							
	99		32°	AK-QZ breccia/veining @ 69.81							
75				vert. CL-AB veinlets.							
	100		AK-QZ ± PY.	Black shale zones graphite.							
				69.5 - 70.98 : AK vein @ 30° + PY + GE							
			72.15 - 83.0	Interbedded Dol. Siltstone with shale ∥ to SH.							
			20°	- subvertical fracture ⊥ AB ± CL ± PY							
	94			- PY veinlets ∥ S0							
80			broad folds	76.0 - 76.30 folded ⊥ AK-QZ-PY vein (CL+JA+Hem) stringers + veinlets & boudins							
	104		40° AP clvge ⊥ core	76.3 - cracked (sub ∥) vein - dol siltstone.							
				AK veinlets; mc on fractures.							
				78. - 79. m folded + sl. crackled. subvert AK veinlets.							
85	95			83.0 - 81.5 Grey-black sh with dol slt. - PY ∥ S0							
				thick dol. siltst" ⊥ black sh beds.							
				84.5 Start Dol. Slt. + minor shale. Tr MG ⊥ veinlets.							
	81			90.8 - 90.9 minor vein / brecciated.							
90											

PAGE 4 OF 6 | PROJECT: GREMLIN | HOLE NO. GM95-06

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Rad. CPS.	Suscep.
PY stringers ± QZ ± AB.		45.7	47.2	1.5m.	03474	2050	10	307		1×20
1-2% PY										
individual PY stringers 1-2 mm.		47.2	48.7	1.5	03475	267	<5	175		
PY decreases & TR in stringers.		48.7	50.2	1.5	03476	314	<5	273		10×40
mostly PY ; TR CPY.		50.2	51.7	1.5	03477	150	<5	599		↓
		51.7	53.2	1.5	03478	384	<5	290		1×20
slight ↑ py stringers + minor blebs										
with fine veinlets		53.2	54.7	1.5	03479	364	<5	78		↓
		54.7	56.2	1.5	03480	167	<5	51		
		56.2	57.7	1.5	03481	208	<5	34		
		57.7	59.2	1.5	03482	168	<5	23		
PY stringers ± TR CPY.		59.2	60.1	0.90	03483	126	<5	63		10×40
PY 1-2%;		60.1	61.82	1.81	03484	299	<5	211		↓
Poss. ASPY veinlets.		61.82	63.18	1.36	03485	296	<5	365		
- cpy blebs in breccia matrix.		63.18	65.40	2.22	03486	270	<5	8		1×20
TR PY through breccia as										10×40
clast rims + stringers. cpy.		65.40	66.90	1.5	03487	490	<5	4		
[Cen. cpy as blebs in QZ-AK-cc veinlets		66.90	68.40	1.5	03488	341	<5	3		
as diffuse blebs along ± contacts]		68.40	69.75	1.35	03489	220	<5	4		
stringers ⊥ AB to core axis = blebs of cpy.										
		69.75	71.25	1.50	03490	197	<5	4		
CPY as blebs in vertical AB-CL veinlets.		71.25	72.75	1.50	03491	226	<5	8		
		72.75	74.25	1.50	03492	152	<5	9		
		74.25	76.00	1.75	03493	315	<5	15		
		76.00	76.30	0.30	03494	286	<5	17		
		76.30	78.0	1.70	03495	337	<5	11		
										↓
		78.0	79.0	1.0	03496	174	<5	30		90×10
		79.0	80.45	1.45	03497	208	<5	12		
PY stringers ⊥ S_0 (along A-P cleavage)		80.45	81.9	1.45	03498	196	<5	9		
and		81.9	82.92	1.02	03499	196	<5	9		
PY veinlets ∥ S_0 ≐ 65°		NEWMONT STD.		MS1-75	03500	91	90	7		
		82.92	85.07	2.15	03501	495	<5	20		
		85.07	86.57	1.5	03502	1030	<5	13		
		86.57	88.07	1.5	03503	483	<5	7		
		88.07	89.57	1.5	03504	617	<5	7		↓
PY veinlets ∥ S_0		89.57	90.9	1.3	03505	480	<5	4		4×10

MADE IN VANCOUVER, CANADA

PAGE 5 OF 6 | PROJECT: FJV - GREMLIN | HOLE NO. GM95-6

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION SD A	AK B	CL C	CA D	AB E	FRACTURE INTENSITY	% VEIN QTZ.
95	98			90.9 - 93.0	90.9 - 93.0 Dol. SHst. / Bl. sh. interbeds. AB veinlets ⊥ core.						
	101			93.0 -	Dol. SHst. minor folds AP dvge. gen ⊥ core.						
				AP-dvge.	93.0 - 93.1 sh. - clast breccia / AK-CL-CPY-PY±QZ						
					94 - 94.1 brecciated dol. sHst.; vnlt. AB-PY stringers.						
					95 - 96.7 m. AK+CL veinlets ± BT (?) boudins in veins.						
	95				95.22 m Poss. v. minor infaulted block of bl. sh. + GOE ± JA.						
100				Intra-clastic breccia vein?	95.3 m AK veinlets ± DY 1-2%						
	113				96.9 m sheared bl. sh / veinlets → AK-QZ porphyroblasts						
					97.5 m hem. alt'd + py @ contact bl. sh / slt. dol ?						
	96			97.7 start	AK-QZ veins pebbly siltstone - rnd. clasts ∥ SØ						
105					98. start AK-QZ vein ~∥ SØ ; SØ ~ 90°						
					- ⟨AK-vein highly folded⟩ vein ⊥ dol sHst.						
	70				- porphyroblasts in bl. sh. (poss. chloritoid?)						
					- concentric zoned QZ-AK vein. boudins						
110				103.9 - 110.3	SD - AK - QZ vein; hem. enhanced pores;						
	98			± AB stringers	poss. clear fabric ∥ veinlets of AK near base.						
					111.9 - 112.4 m AK - SD vein; AK in margin.						
	104										
115	103			110.3 - 116.9	Grey dol. sHst. veined by AB - boudins chloritoid ? closest to vein.						
	98			116.9 - 118.6	Bhnc. shale drag's in AK (↓ To AB) vein.						
					Part of AK vein 2.77						
					red hem. sh. along fractures						
120	103			20 cm SD	118.8 - 119.0 SD + AK vein + AB gnr. chloritoid.						
				119 - 126.4	Grey dol. sHst.; boudins. AB ± dol (?) veinlets.						
	100										
125											
	104										
					126.4 - 126.75 AB altered dol (?)						
	102				126.75 - 129.64 SD - AK ± QZ - CL vein + CPY ± PY Jar ± hem.						
130					minor veined, brx + altd. zone of dol sHst. @ 129.60						
	103				129.64 - 131.2 SD - AK - QZ - CL + CPY.						
					131.2 - 135.1 (EOH)						
	134				lam. grey dol. sHst. Tr Mg (?)						
135					AB stringers ∥ SØ ± chloritoid						
					— EOH —						

PAGE 6 OF 6 | PROJECT: FJV - GREMLIN | HOLE NO. GM95-06

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag Susc.
Tr py as stringers // AB stringers // Sø		90.9	93.0	2.1	03506	353	<5	12.	
associated w/ bl sh. - dol contacts.									
		93.0	94.6	1.6	03507	189	<5	23	
PY stringers + blebs ⊥ Sø		94.6	96.5	1.5	03508	130	<5	6	
AK-CL-CPY-PY±QZ vein → CPY blebs TR-1%		96.5	97.80	0.80	03509	554	<5	14	
minor dissem. cpy + py. @ 94.0m.		97.3	98.8	1.50	03510	262	<5	13	
PY blebs along ol contact @ 95.22									
PY veinlets									
		98.8	100.3	1.50	03511	213	<5	6	
		100.3	101.8	1.50	03512	97	<5	9	
		101.8	103.2	1.50	03513	89	<5	7	
		103.2	104.7	1.50	03514	100	<5	9	
		104.7	107.9	3.20	03515	129	<5	15	6×10^2
- blebs of py + cpy TR to <1%									
		107.9	110.3	2.4	03516	135	<5	14	
Tr py as stringers // Sø in dol. sltst									
		110.3	111.8	1.5	03517	180	<5	15	
		111.8	112.4	0.6	03518	13	<5	7	
		112.4	114.6	2.2	03519	193	<5	8	
		114.6	116.8	2.2	03520	490	<5	14	
		116.8	118.8	2.0	03521	151	<5	12	
		118.8	119.2	0.35	03522	148	<5	4	
		119.2	120.7	1.5	03523	196	<5	10	
		120.7	121.2	1.5	03524	77	<5	6	
cpy in subvert. AK+CL veinlets.		121.2	122.7	1.5	03525	153	<5	4	
(TR-) ± PY.		122.7	123.6	0.92	03526	97	<5	4	
		123.6	125.2	1.6	03527	85	<5	6	
		125.2	126.75	0.35	03528	31	<5	6	
		126.75	129.14	2.40	03529	491	<5	17	
		129.14	129.64	0.50	03530	298	<5	14	4.6×10^2
Blebs 4-5% cpy locally; overall ~ 1-2%									
1-2% PY blebs + dissem., up to ~ 3% PY.									
		129.64	131.2	1.56	03531	1930	<5	21	
		131.2	132.7	1.5	03532	79	<5	4	
		132.7	133.67	0.97	03533	87	<5	7	
cpy dissem. in dol sltst		133.67	135.1	1.43	03534	54	<5	3	

MADE IN VANCOUVER, CANADA

PAMICON DEVELOPMENTS LIMITED

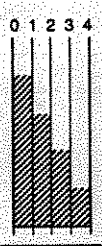
DRILL LOG

PROJECT: GM	GROUND ELEV.: 850 m
HOLE NO.: GM 95-7	BEARING: 160 Az.
LOCATION: 7,230,055 mN 517,442 m E Anthea 3 claim.	DIP: -70
	TOTAL LENGTH: 179.2 m
LOGGED BY: Harvey Klatt	HORIZONTAL PROJECT: 61.29
DATE: June 27 - July 1	VERTICAL PROJECT: 168.39
CONTRACTOR: Falcon Drilling	
CORE SIZE: NTW	
DATE STARTED: June 25/95	
DATE COMPLETED: June 26/95	
DIP TESTS: Sperry Sun. 568' -74 Dip. B ≠ 002 !! (mag. anomaly?!)	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

Summary Log

0.	-	6.7	Casing
6.7	-	8.3	Black siltite homolithic breccia
8.3	-	8.7	Albite-ankerite vein
8.7	-	68.9	Interbedded siltite-shale
68.9	-	69.8	Lamprophyre dyke
69.8	-	77.0	Interbedded siltite-shale
77.0	-	179.2	Dolomitic siltite-shale
179.2			End of hole

LEGEND

PAGE 2 OF 9 | PROJECT: GM | HOLE NO. GM 95-7

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				0 - 6.7 Casing, overburden.
	61			6.7 - 8.3 Black siltite homolithic breccia, yellow-brown alkite breccia matrix.
	94			8.3 - 8.7 Albite-ankerite vein, contacts at 40°.
				8.7 - 68.9 Interbedded siltite-shale, millimetre to centimetre thick layers, grey-black colour, disrupted bedding in stained zones.
	100		S_0	
	107			
	100		S_0	8.7 - 28.6 albite alteration of siltite-shale ranges from intense to weak with the strongest alteration adjacent to an albite-ankerite vein. Weaker albite alteration is present as narrow horizons within the siltite-shale. Manganese dendrites are present from 8.7 - 19.0. Euhedral ankerite rhombs are present in the albitized zone.
	96			
	100		S_0	
	100		S_0	
	76			
	144			
	95			
	113		S_0	
	94			
	90		S_0	
	114			
	100			38.1 fault breccia zone, qtz-ankerite vein filling breccia zone.
	100			
	94		S_0	
	100			

ALTERATION					RQD	FRACTURE INTENSITY	% VEIN QTZ. + silicification	hematite
siderite A	ankerite B	chlorite C	calcite D	albite E				
					61			
					64			
					87			
					60			
					84			
					85			
					100			
					67			
					71			
					144			
					64			
					62			
					71			
					90			
					105			
					93			
					49			
					67			
					93			

PAGE 3 OF 9 | PROJECT: GM | HOLE NO GM 95-7

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag Susc. SI units $\times 10^{-5}$	Scint cps
6.7-8.7 about 1/4% cp several grains of cobaltite ? at 8.2		6.7	8.3	1.6	03535	813	<5	108	10	70-90
		8.3	8.7	0.4	03536	822	<5	51	16	
8.7-11.7 trace py		8.7	10.2	1.5	03537	571	<5	28		
		10.2	11.7	1.5	03538	235	<5	22		
11.7-12.5 py + cp is about 3% cp occures with ankerite veinlets and chloritic fractures, trace malachite		11.7	13.2	1.5	03539	1200	<5	35	1	
		13.2	14.7	1.5	03540	564	<5	29		
									5	
12.5-14.6 1% py + trace malachite		14.7	16.2	1.5	03541	554	<5	35		
14.6-15.2 1% cp + trace mal									5	
15.2-17.4 1% py + trace cp and malachite on fractures		16.2	17.7	1.5	03542	769	<5	43		
		17.7	19.2	1.5	03543	148	<5	53	3	
17.4-18.1 3% py + 1/4% cp + trace malachite		19.2	20.7	1.5	03544	12	<5	12	5	
18.7 py-ankerite veinlet		20.7	22.2	1.5	03545	5	<5	26	3	
20.9-24.2 about 3/4% py										
		22.2	23.7	1.5	03546	4	<5	29		
		23.7	25.2	1.5	03547	19	<5	82	3	
24.2-25.4 about 3% py										
		25.2	26.7	1.5	03548	4	<5	17		
		26.7	28.2	1.5	03549	7	<5	9	10	
		Newmont	Standard	SV219	03550	39	35	26		
		28.2	29.7	1.5	03551	8	<5	12	7	
		29.7	31.2	1.5	03552	18	<5	18	18	
									8	
32.1 cp + py in albite-chl layer about 1cm thick		31.2	32.7	1.5	03553	31	<5	12		
		32.7	34.2	1.5	03554	75	<5	28	15	
		34.2	35.7	1.5	03555	143	<5	14		
							<5			
		35.7	37.2	1.5	03556	3	<5	7	15	
		37.2	38.7	1.5	03557	3	<5	27	12	
		38.7	40.2	1.5	03558	3	<5	10		
									15	
py		40.2	41.7	1.5	03559	10	<5	40		
40.9-41.6 about 1% py		41.7	43.2	1.5	03560	3	<5	15	20	
		43.2	45.2	2.0	03561	27	<5	11		
									2200	
									700	V

MADE IN VANCOUVER, CANADA

PAGE 4 OF 9 | PROJECT: GM | HOLE NO. GM 95-7

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: siderite A	anterite B	chlorite C	calcite D	albite E	FRACTURE RQD	FRACTURE INTENSITY	% VEIN QTZ + silicification	hematite
				interbedded siltite-shale (continued)									
	97		S_0	47.1 - 47.3 anterite-qtz-chlorite-py-cpy veinlet cross-cuts bedding						58			
	100									100	33		
50	100										27		
	100		S_0 f_1								63		
	86										71		
55	97		f_1								43		
	97		f_1								65		
60													
	100										7		
	87		f_1								53		
	97		S_0								33		
65			f_1										
	86		S_0								0		
	71										14		
	94			68.9 - 69.8 Lamprophyre dyke, fine grained, magnetic, contains hematite alt'd olivine? phenocrysts, 2-3 cm thick dykes at 69.9, 70.0, 70.1, 70.3 and 70.7.							41		
70	97		f_1 S_0	69.8 - 77.0 Interbedded siltite-shale, similar to 8.7 - 68.9							27		
	97		S_0	75.6 - 76.1 weak to moderate clay alteration.							39		
75													
	122			77.0 - 179.2 Dolomitic siltite-shale, black-grey colour, beds range in thickness from 1 millimetre to 20-30 centimetres thick. stylolite structures are present but not abundant. The upper contact is approximate because of the intense albitization, silicification and brecciation. Chlorite is virtually absent except along some fracture surfaces.							89		
	100										90		
80	97										81		
	100										70		
85													
	93		S_0								54		
	100		S_0								73		
90													

PAGE 5 OF 9 | PROJECT: GM | HOLE NO. GM 95-7

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag Susc. SI units $\times 10^{-5}$	Scint. cps
		45.2	47.2	2.0	03562	3	<5	31	30	65-90
		47.2	49.2	2.0	03563	4	<5	9		
py									25	
50.9 trace mal on fracture		49.2	51.2	2.0	03564	103	<5	5	25	
51.0 - 51.3 trace mal on fractures + trace cp		51.2	53.2	2.0	03565	53	<5	18	20	
py		53.2	55.2	2.0	03566	2	<5	7		
									20	
55.7-56.4 about 1% py		55.2	56.7	1.5	03567	11	<5	18		
		56.7	58.2	2.0	03568	74	<5	7	20	
									10	
		58.2	60.2	2.0	03569	16	<5	20		
61.8 mal + cp on fracture surface		60.2	62.2	2.0	03570	42	<5	27	8	
									9	
		62.2	64.2	2.0	03571	8	<5	62		
									12	
specs of cp in ankerite veinlet cutting bedding		64.2	66.2	2.0	03572	172	<5	30		
									20	
66.3 mal on fracture surface		66.2	67.6	1.4	03573	426	<5	22		
66.8-67.5 about 1/4 % cp		67.6	68.9	1.3	03574	797	<5	29	25	
68.4 1cm wide ankerite - cp veinlet		68.9	69.8	0.9	03575	126	<5	64		
		69.8	71.3	1.5	03576	799	<5	32	3700	
70.7 mal on fracture										
71.1 - 71.5 cp + py is about 1%		71.3	72.8	1.5	03577	304	<5	31	30	
		72.8	74.3	1.5	03578	100	<5	46		
									15	
		74.3	75.8	1.5	03579	159	<5	27		
76.0 cobaltite + py, ground core here so some thickness lost.		75.8	77.3	1.5	03580	1615	<5	47	8	
76.2 - 76.6 about 1% cp, trace cobaltite		77.3	78.8	1.5	03581	979	<5	31	30	
77.4 - 77.8 1% cp trace cobaltite		78.8	80.3	1.5	03582	347	<5	39	12	
78.3 - 80.0 averages 2% py, trace asp										
80.3 - 80.7 1% cp in ankerite veinlet		80.3	81.8	1.5	03583	984	<5	28	18	
80.7 - 85.4 averages 1% py, trace cobaltite or arsenopyrite.		81.8	83.3	1.5	03584	162	<5	33		
									13	
		83.3	84.8	1.5	03585	128	<5	39		
		84.8	86.3	1.5	03586	172	<5	41	27	
86.1 - 88.1 py + trace asp or cobaltite.		86.3	87.8	1.5	03587	110	<5	28		
		87.8	89.3	1.5	03588	54	<5	14	15	
88.1 - 92.6 about 1% fine grained disseminated pyrite		89.3	90.8	1.5	03589	58	<5	14	13	

MADE IN VANCOUVER, CANADA

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
	100		S_0	dolomitic siltite - shale (continued)
95	100		S_0	
	96			
100	100		S_0	99.7 - 102.0 and 120.5 - 120.8 weak to moderately bleached zones
	100		S_0	
	94			
105	103		S_0	105.5 - 106.7, 106.8 - 107.8, 108.7 - 109.1, 109.9 - 110.6, 111.0 - 112.2 112.6 - 112.7 fine grained, glassy qtz veinlets or silicified layers. The qtz veinlets appear to be disrupted stretched layers. Veinlets contain rare pyrite. The disrupted beds, deformed qtz veinlets and numerous intervals are interpreted to be part of a shear zone.
110	92		S_0	
	95			
	105		F_1	
115	100		S_0	
	100			
	100		S_0	
120	100			
	97		S_0 (cont'd)	123.6 fault breccia zone about 10 cm thick cemented by ankerite, limonite, chlorite, calcite and malachite.
125	97		S_0	
	97			
130	100		S_0	
	97			
135				

ALTERATION A siderite	B ankerite	C chlorite	D calcite	E albite	FRACTURE INTENSITY RQD	% VEIN QTZ + silicification	hematite
					93		
					70		
					89		
					67		
					73		
					71		
					90		
					67		
					63		
					35		
					56		
					74		
					80		
					90		
					50		
					74		
					80		
					90		

PAGE 7 OF 9 | PROJECT: GM | HOLE NO. GM 95-7

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag Susc. SI units $\times 10^{-5}$	Scint. cps
		90.8	92.3	1.5	03590	48	<5	14	12	60-85
92.6 - 97.2 about 1/2 % fine grained pyrite		92.3	93.8	1.5	03591	40	<5	11	10	
		93.8	95.3	1.5	03592	57	<5	13		
									8	
		95.3	96.8	1.5	03593	162	<5	11		
96.4 cp on fracture cutting bedding		96.8	98.3	1.5	03594	1495	<5	15	8	
97.2 - 98.2 cp + mal in dol veinlets parallel to core axis, 1/2 % py		98.3	99.7	1.4	03595	7611	<5	22	11	
99.7 - 103.8 averages 2% cp with a trace of cobaltite or asp, py is about 1/2 %, cp is in dolomite veinlets that parallel core axis		99.7	101.2	1.5	03596	>10000	<5	68		
									10	
		101.2	102.5	1.3	03597	7490	<5	118		
		102.5	103.8	1.3	03598	7630	<5	39	11	
103.8 - 114.9 averages about 1% pyrite		103.8	105.3	1.5	03599	1415	<5	16		
		Newmont Standard			MS1 4	03600	139	100	9	10
		105.3	106.8	1.5	03601	363	<5	25		
106.0 several grains of asp		106.8	108.3	1.5	03602	184	<5	19	13	
		108.3	109.8	1.5	03603	168	<5	18		
		109.8	111.8	2.0	03604	91	<5	17	14	
		111.8	113.8	2.0	03605	117	<5	13	12	
112.1 qtz-py vein about 5 cm thick										
112.2 spec of cp in dolomite augen		113.8	115.8	2.0	03606	174	<5	10		
114.6 spec of cp in dolomite veinlet									12	
114.9 - 116.1 averages 2% py, trace cp		115.8	117.8	2.0	03607	75	<5	7		
116.1 - 119.2 averages 1% py										
		117.8	119.3	1.5	03608	46	<5	6	7	
119.2 - 123.9 about 1/2 % py		119.3	120.8	1.5	03609	74	<5	9		
120.8 - 123.9 about 1/4 % cp in dolomite veinlets parallel to core axis		120.8	122.3	1.5	03610	325	<5	4	15	
		122.3	123.9	1.6	03611	2500	<5	16		
123.9 - 132.5 about 1% py,		123.9	125.9	2.0	03612	176	<5	5		
some py occures as very fine grained layers up to 0.5 cm thick.									16	
		125.9	127.9	2.0	03613	60	<5	3		
		127.9	129.9	2.0	03614	104	<5	7	16	
		129.9	131.9	2.0	03615	29	<5	1		
									15	
		131.9	133.9	2.0	03616	65	<5	4		
132.5 - 133.1 about 1/2 % py										
133.1 - 136.0 about 1% py		133.9	135.9	2.0	03617	71	<5	10	8	

MADE IN VANCOUVER, CANADA

PROJECT: GM

HOLE NO: GM 95-7

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: sericite A	skarn B	chlorite C	silica D	albite E	FRACTURE RQD INTENSITY	% VEIN QTZ + CALCITE	hematite
	97		50	dolomitic siltite - shale (continued) 135.6 - 136.0, 137.2 - 137.8, 138.7 - 142.4, 143.0 - 143.1, 145.9 - 150.8, 151.9 - 152.8, 153.9 - 156.0 160.9 - 162.6, 163.2 - 163.4, 166.4 - 166.8, 169.6 - 170.5, 171.4 - 177.9 178.6 - 179.1, fine grained, glassy qtz veinlets or silicified layers. The qtz veinlets commonly appear as disrupted stretched layers and contorted folded veinlets.						90		
	100										97		
140	103		ft								100		
	94										65		
145	97										67		
150	97		50	148.0 - 155.6, 157.2, 157.9 and 171.3 - 177.9 sparry dolomite veinlets up to 10 cm wide are fairly numerous and occasionally contain clots and disseminations of pyrite. The numerous veinlet orientations gives a weakly brecciated texture.						84		
	100										93		
155	97		ft								81		
	103		50								100		
160	100										94		
165	97		50								83		
	100										87		
170	97		ft								77		
175	97										77		
	100		ft								93		
	107										100		
				179.2 End of Hole									

PAGE 9 OF 9 | PROJECT: GM | HOLE NO GM 95-7

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	Au (ppb)	Co (ppm)		Mag Susc. SI units x10⁻⁵	Scint. cps.
spec of asp or cobaltite at 135.2		135.9	137.9	2.0	03618	104	<5	3			60-80
136.0 - 137.6 about 1/2 % py										15	
137.6 - 145.6 about 1% py with a couple pyrite layers about 1cm thick.		137.9	139.9	2.0	03619	94	<5	7			
		139.9	141.9	2.0	03620	99	<5	4		12	
		141.9	143.9	2.0	03621	79	<5	5			
										10	
		143.9	145.9	2.0	03622	67	<5	4			
145.5 - 147.9 about 1/2 % py		145.9	148.0	2.1	03623	74	<5	7		6	
147.9 - 149.4 about 1% py											
		148.0	150.0	2.0	03624	68	<5	4		11	
149.4 - 153.1 1/2 % py											
		150.0	152.0	2.0	03625	86	<5	6			
152.3 minor pyrrhotite and trace cp										20	
153.1 - 161.2 about 1% py		152.0	154.0	2.0	03626	220	<5	5			
153.6 trace cp											
		154.0	156.0	2.0	03627	166	<5	4			
										20	
		156.0	158.0	2.0	03628	150	<5	3			
										19	
		158.0	160.0	2.0	03629	120	<5	7			
161.2 - 163.2 about 1/2 % py		160.0	162.0	2.0	03630	229	<5	4		13	
161.5 trace cp with py											
161.9 - 162.8 about 1/2% po + trace asp or cobaltite		162.0	164.0	2.0	03631	392	<5	11			
163.4 trace cp + py in qtz veinlet		164.0	166.0	2.0	03632	391	<5	10		10	
164.0 - 165.3 about 1% py											
165.0 specs of cp		166.0	168.0	2.0	03633	598	<5	15		10	
166.5 - 167.0 mal on fractures + trace cp											
165.3 - 169.8 about 1/2 % py		168.0	170.0	2.0	03634	135	<5	13			
169.2 spec of asp or cobaltite											
169.8 - 172.1 about 1% py		170.0	172.0	2.0	03635	124	<5	11		18	
172.1 - 176.7 about 1/2 % py		172.0	174.0	2.0	03636	172	<5	9			
										3	
		174.0	176.0	2.0	03637	293	<5	8			
175.5 spec of cp with py											
176.7 - 177.7 about 5% py as clots with dolomite veinlets		176.0	177.6	1.6	03638	624	<5	18		13	
177.9 spec of cp		177.6	179.2	1.6	03639	86	<5	9		11	

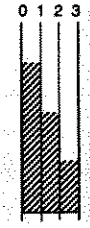
MADE IN VANCOUVER, CANADA

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

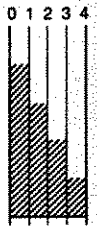
PROJECT: FIV - GREMLIN	GROUND ELEV.: 889 m
HOLE NO.: GM95-08	BEARING: 160 Az
LOCATION: UTM: 7,230,153 mN; 517 503 mE	DIP: -70
	TOTAL LENGTH: 174.7 m.
LOGGED BY: J DICKIE	HORIZONTAL PROJECT: 59.75
DATE: JUNE 29 / 1995	VERTICAL PROJECT: 164.17
CONTRACTOR: FALCON DRILLING	
CORE SIZE: NTW	
DATE STARTED: JUNE 28 / 1995	
DATE COMPLETED: June 29/1995	
DIP TESTS: Sperry Sun @ 174.7m -74° DIP	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

100m step-out from GM95-06

- minor folds
- bedding with dip rel. to core axis
- foliation " "
- fracture " "
- vein " "
- boudins.

0 - 45 Broken subcrop / cased
45 - 106.2 Grey to black lam. sh.
106.2 - DLSLST
145 - 145 - 150 Lamprophyre
151.5 - 155.4 Lamprophyre
155.4 - 174.7 (EOH) DLSLST

LEGEND

Lithologies

Sh - shale
DLSLST - dolomitic siltstone
Bht - heterolithic breccia
Bhm - homolithic breccia

Alteration

AK - ankerite
SD - siderite
CL - chlorite
CA - calcite
Q2 - quartz
BI - biotite
FL - fluorite
AB - albite

Sulphide / Oxide Minerals

MC - malachite
JA - jarosite
GE - goethite
MG - magnetite
Aspy - arsenopyrite
PY - pyrite
cpy - chalcopyrite
CO - cobaltite
DO - dolomite

PAGE 1 OF 8 | PROJECT: FJV - GREMLIN | HOLE NO. GM95-08

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				0 - 45 m. Broken / fragmental rock in sandy clay matrix. True bedrock hit at 45 m. Lithology is laminated grey-black sh ± AB stringers; abundant jarosite AB stringers in strong bndlins.							
				36. m. start ref. broken zone of bl. sh. jar. alt?							

PAGE 2 OF 8	PROJECT: FJV - GREMLIN	HOLE NO. GM95-08

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)
36.0 - start of sample series.		36.0	38.0	2.0	03640	56	<5	11
		38.0	40.0	2.0	03641	37	<5	15
		40.0	42.0	2.0	03642	42	<5	15
		42.0	44.0	2.0	03643	65	<5	19
		44.0	46.0	2.0	03644	79	<5	17

MADE IN VANCOUVER, CANADA

PAGE 3 OF 8 | PROJECT: FIV GREMLIN | HOLE NO. GN95-08

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				45 - 106.2 Grey-black lam. sh. (very broken)
	89		85°	- intense JA
	113			- AB stringers / boudinage.
50	98			
	95			55. Fractured sh., AB stringers.
55	101		20	56 subvertical vein (8cm) AK-CL ± jar. ± hem.?
	101			~58 m slatey cleavage development
60				60.85 - 61.7 m SD ‖ AK ± CL PY + CPY < 1%
	99			61.7 - 62.25 Black sh.; several 1-2cm SD veinlets @ 90°
				62.25 - 62.3 SD veinlet ± CPY (Tr)
				62.3 - 63.0 Black sh.; cpy+py veinlets ‖ Sø + Tr cpy.
65	107			63.0 - 74.2 Black sh.; 62.3-63. Sø ‖ AB stringers
				Sø ⊥ core.
				AB boudins + CL around minor SD vein
	97			
70				
	99			
				alteration front (CL/AB/PY) @ 73.9 m.
	97			
75				74.2 - 74.3 SD - AK vein.
	100			74.3 - 74.6 Bl. Sh + py 1-2%; cpy Tr; spec / Q2 stear
				74.6 - 75.4 Q2 - AK ± SD blebs/stringers cpy + py ≤ 1%
	101			75.4 - 76.6 SD - AK - Q2 - CL vein (minor Bl. sh. split @ 75.4)
				76.6 - 84.7 Black Sh. → Tr Dol. cpy 1-2%
80	94			79.7 subvert. CPY, PY, ± Biotite ± SH
	97			
85				84.7 - 84.75 PY + SD veinlet ⊥ core.
	102			84.7 - 96.3 Bl. Sh.
	%			
90				

ALTERATION: SD A | AK B | CL C | cA D | AB E

FRACTURE INTENSITY

% VEIN QTZ.

PAGE 4 OF 8 | PROJECT: FJV GREMLIN | HOLE NO. GM95-08

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Scint. CPS.	MG. Susc. S.I. x 10^{-5}
									70-90	200
		46.0	48.0	2.0	03645	88	<5	13		
		48.0	50.0	2.0	03646	69	<5	15		60
		50.0	52.0	2.0	03647	30	<5	10		200
		52.0	54.0	2.0	03648	19	<5	10		
		54.0	56.0	2.0	03649	48	<5	19		
		56.0	58.0	2.0	03650	44	<5	12		
		58.0	60.9	2.9	03651	147	<5	37		
PY + CPY < 1% blebs in SD		60.9	61.8	0.9	03652	3260	<5	44		600-800
		61.8	62.86	1.06	03653	6830	45	235		60
62.3 CPY veinlet. Tr py + cpy		62.86	64.4	1.5	03654	446	<5	54		250-250
PY veinlets/stringers in sh.		64.4	65.9	1.5	03655	74	<5	26		
+ ≤ 1% CPY.		65.9	67.4	1.5	03656	70	<5	13		
		67.4	68.9	1.5	03657	301	<5	35		
		68.9	70.4	1.5	03658	86	<5	44		
		70.4	71.9	1.5	03659	172	<5	47		
		71.9	73.9	2.0	03660	79	<5	180		
		73.9	76.3	2.4	03661	3090	20	855		
		76.3	77.8	1.5	03662	347	<5	106		
Spec. (?) fine horizontal veinlets ~ py.		77.8	79.0	1.47	03663	301	<5	83		
py blebs in sh. + Tr cpy.		77.								600-800
cpy blebs + disseminations 1-2 %										
79.7										
AB + CPY veinlet @ ~ 5° + PY		79.0	80.90	79.9	03664	2580	15	53		
		79.9	81.4	1.5	03665	299	<5	55		
		81.4	82.9	1.5	03666	258	<5	71		
		82.9	85.1	2.2	03667	557	<5	224		
		85.1	86.6	1.5	03668	113	<5	45		
		86.6	88.1	1.5	03669	147	<5	58		
		88.1	89.6	1.5	03670	288	<5	53		
		89.6	91.1	1.5	03671	1195	15	198		

MADE IN VANCOUVER, CANADA

PAGE 5 OF 8 | PROJECT: FJV GREMLIN | HOLE NO. GM95-08

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
	96			90. - 90.1 AK-CL-CPY.
				crackled sh., cpy in veinlets
	98			
95				94.3. minor fault
	103			96.3 - 97.0 AK ± QZ ± CL vein.
				97.0 - 98.5 Bl. sh., AB veinlets/stringers.
	98			CL alt^n zone ~ 7cm.
100				98.5 - 99.5 AK + CL + QZ + CPY + PY / locally crackled brecciated.
	97			99.5 - 100 AB - CL vein [101.5 fault, slicks.]
				101.5 fault
				100 - 101.6 Bhm. (vein-related) AB-CL matrix + TR cpy
				100.6 - 106.2 Bl. sh w AB. alt/veinlets
	98			100. - 100.5 QZ-CL veins at 50° (± AK) ↓
105				105.5 graphitic fault breccia + discon. py + cpy. (jar.)
				106.2 Dol. Sltst. AB veinlets
	102			106.3 Shear Zone ~ 106.3 - 107.0
				- boudinage -
				108.2 - 108.9 CL-AK-QZ vein, contact 20°
110	96			CPY
				113.8 (AB?) QZ-CL-AK vein 8cm
	110			vnl. AB stringers.
				114.5 - 115.7 AB alt^n zone, QZ-AK-CL vein 114.6 - 115.2
	96			115.3 poss. (?) relict x-beds.
115				2 cpy fragments
	97			ca?
				118 - 118.2 AK-QZ-CL vein + PY
				118.3 - 120.4 Distorted lam. dol. siltst.
	102			w pervasive CL-AK + PY + CPY veining
120				veinlets ⊥ Sd; locally crackled
	95			120.4 - 120.5 AK-CL ± QZ vein; TR PY
				120.5 - 131.8 Dol. siltst; AB veinlets +
	96			stringers; boudins. AB @ 65-70°
			fold. a-p ⊥ core	127.9 - PY + brecciated dol. siltst.
125				AK veins (X-cutting) @ 32° w CPY + PY.
	90			brecciated dol. siltst ~ breccia trains (clasts)
				are ∥ Sd.
	106			Overall, folded, and fragmented along AB cleavage
130				
				131.8 - 132.2 AK ± SD - QZ - CL vein
	105			132.4 - 132.6 AK ± SD QZ-CL vein
				132.9 - contorted Sd, locally fractured/brecciated
				133.3 - AK-QZ-CL vein + cpy
NEXT PG				
135				

ALTERATION SD A	AK B	CL C	CA D	AB E	FRACTURE INTENSITY	% VEIN QTZ

PAGE 6 OF 8 | PROJECT: FJV GRENLIN | HOLE NO. GM95-08

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	Au (ppb)	Co (ppm)	Scint CPS	MAG. SUSCEPT.
cpy blebs in vein		91.9	92.93	1.03	03672	534	<5	76		200
		92.93	94.4	1.5	03673	1475	<5	202		
veinlets in brecciated sh		94.4	96.4	2.0	03674	7570	50	90		
		96.4	96.9	0.5	03675	2170	25	26		400
		96.9	98.3	1.4	03676	1965	10	454		200
		98.3	99.7	1.4	03677	7970	50	78		200
cpy blebs and disseminations 1-2%		99.7	100.6	0.90	03678	>10000	115	338		300-400
- spec. hem (TR), py 3-4%		100.6	102.1	1.5	03679	642	<5	23		200
cpy stringers (TR) 100-100.6		102.1	102.5	0.40	03680	306	40	139		
		102.5	104.0	1.5	03681	1435	<5	23		
py 3-4% in veinlets and		104.0	105.5	1.5	03682	1530	<5	11		
breccia matrix		105.5	106.3	0.8	03683	1065	<5	36		
		106.3	107.9	1.6	03684	557	<5	17		
		107.9	109.0	1.1	03685	1395	<5	9		
py blebs/stringers		109.0	110.5	1.5	03686	256	<5	11		
CP veinlets in AK		110.5	112.0	1.5	03687	581	<5	10		
		112.0	112.9	0.9	03688	549	<5	11		
		112.9	114.2	1.3	03689	377	<5	9		
		114.2	114.83	0.63	03690	167	<5	9		
		114.83	115.9	1.06	03691	495	<5	12		
py stringers		115.9	117.8	1.9	03692	258	<5	10		
py blebs+ stringers		117.8	118.9	1.1	03693	1280	<5	17		
		118.9	120.4	1.5	03694	570	<5	10		
cpy veinlets, minor dissem.										
		120.4	121.9	1.5	03695	485	<5	10		
		121.9	123.4	1.5	03696	181	<5	27		
		123.4	124.9	1.5	03697	270	<5	8		
		124.9	126.4	1.5	03698	168	<5	9		
		126.4	127.9	1.5	03699	667	<5	8		
		*NENMONT STD MS1			03700	107	90	10		
		127.9	129.4	1.5	03701	507	<5	12		
py + CP blebs in AK veinlets		129.4	130.9	1.5	03702	418	<5	8		
		130.9	132.4	1.5	03703	1490	<5	14		
		132.4	133.9	1.5	03704	417	<5	15		
		133.9	135.4	1.5	03705	267	<5	13		
		135.4	136.9	1.5	03706	434	<5	12		
cpy blebs.										

PAGE 7 OF 8 | PROJECT: FJV GREMLIN | HOLE NO. GM95-08

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
	90		light g/ld.	136.0 - 136.9 veined + brecciated dd. sltst. AB-CL veinlets x-cut by AK-QZ
140	105			140.95 - 141.45 brecciated dol. sltst. veins ⊥ core; contain clasts ∥ vein? veins: AK-QZ-CL + CP. poss. chert grns.
	108			142.1 - 142.2 breccia - AK vein. (bl. sl. clasts)
145				145.66 QZ-AK-CL-PY vein
	90			145.86 - 148.1 Lamprophyre Dike. ; sl. Hematite red. at rim U. contact @ 006°; L. contact @ 18°
				148.1 - 148.5 AK-QZ-CL + PY; 149-149 AK veins.
				152.9 - 153.0 dike margin - wallrock intersection. (dd. sltst.)
150	103			~150 - fold hinge; chlor. alt'n ↑, fractured.
				151.5 - 155.41 Lamprophyre Dike.
155	95			153.41 - 174.7 Dol. sltst. locally brecciated; mini folds, veinlets of AB-CL ∥ S1 (cleavage - AP)
160	103			
	97			163.4 mini blebs of CP, veins of AB + QZ
165	102			164.4 - 164.8 AK-QZ-CL vein
	95			167.8 - 168 Brecciated/veined dol. sltst. AK-PY beds ⊥ core. TR CPY, fold hinge (mini)
170	90			168 beds @ 80°; 168.3 beds @ 0 (∥ core) 170.9 PY 2-3% patches
	114			174.7 EOH.
175				
180				

ALTERATION: SD A | AK B | CL C | CA D | AB E

FRACTURE INTENSITY | % VEIN QTZ.

PAGE 8 OF 8 | PROJECT: FJV GREMLIN | HOLE NO. GM95-08

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Scint. CPS	MAG. SUSC.
										200
		136.9	138.4	1.5	03707	1740	<5	14		
		138.4	139.9	1.5	03708	197	<5	9		
cpy blebs. (Tr - 0.5%)		139.9	141.4	1.5	03709	433	<5	9		
cpy blebs. (Tr - 0.5%)		141.4	142.9	1.5	03710	132	<5	9		
		142.9	144.4	1.5	03711	86	<5	7		
		144.4	146.0	1.5	03712	246	<5	14		
		146.0	148.1	2.1	03713	110	<5	58		
PY + CPY blebs + dissemination. 1/2 - 1%		148.1	149.6	1.5	03714	254	<5	12		
										3500
										3500
										200
Tr. PY.										↓
		149.6	151.5	1.9	03715	47	<5	10		
		151.5	153.0	1.5	03716	114	<5	63		3500
		153.0	154.5	1.5	03717	101	<5	69		
		154.5	156.0	1.5	03718	108	<5	66		
										↓
		156.0	157.5	1.5	03719	144	<5	51		
		157.5	158.5	.95	03720	100	<5	63		200
		158.5	160.0	1.5	03721	159	<5	13		
		160.0	161.5	1.5	03722	141	<5	12		↓
		161.5	163.0	1.5	03723	165	<5	11		
		163.0	164.5	1.5	03724	224	<5	12		
		164.5	166.0	1.5	03725	559	<5	23		
		166.0	167.5	1.5	03726	257	<5	11		
		167.5	169.0	1.5	03727	836	<5	36		
		169.0	170.5	1.5	03728	256	<5	17		
		170.5	172.0	1.5	03729	302	<5	18		
		172.0	173.5	1.5	03730	613	<5	7		
		173.5	174.7	1.2	03731	313	<5	8		
		EOH								
174.7 EOH										

PAMICON DEVELOPMENTS LIMITED

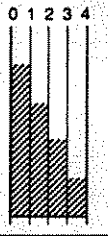
DRILL LOG

PROJECT: GM	GROUND ELEV.: 856 m
HOLE NO.: GM 95-9	BEARING: 040 Az
LOCATION: UTM: 7229347 mN, 517479 mE; Anthes 27 claim.	DIP: -70
	TOTAL LENGTH: 158.5 m.
LOGGED BY: Harvey Klatt	HORIZONTAL PROJECT: 54.21
DATE: July 2,	VERTICAL PROJECT: 148.94
CONTRACTOR: Falcon Drilling	
CORE SIZE: NTW	
DATE STARTED: July 1/95	
DATE COMPLETED: July 2/95	
DIP TESTS: -74° @ Spering Sun @ 428'	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

Summary Log

0 - 2.0	Casing
2.0 - 37.0	Black, interbedded siltite-shale
37.0 - 41.0	Albite-quartz altered homolithic breccia
41.0 - 44.6	Chloritic albite-dolomite breccia
44.6 - 48.5	Black, interbedded siltite-shale
48.5 - 48.8	Albitic dolomite vein
48.8 - 65.7	Black-grey, interbedded siltite-shale
65.7 - 66.4	Dolomite-albite-quartz breccia-vein
66.4 - 73.5	Quartz-albite-dolomite breccia
73.5 - 74.2	Quartz-siderite-dolomite breccia-vein
74.2 - 74.8	Vuggy dolomite
74.8 - 121.1	Dolomitic siltite-shale
121.1 - 121.8	Carbonaceous cherty shale
121.8 - 123.3	Dolomitic siltite-shale
123.3 - 158.5	Carbonaceous cherty shale

158.5 End of Hole

LEGEND

PAGE 2 OF 9 | PROJECT: GM | HOLE NO GM 95-9

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: dolomite A	ankerite B	chlorite C	calcite D	albite E	FRACTURE RQD	FRACTURE INTENSITY	% VEIN QTZ + silicification	hematite
				0-2.0 Casing									
5	114		f_1 S_0	2.0-37.0 Black, interbedded siltite-shale, laminae are typically 1-2 mm thick. Sheared surfaces are slightly graphitic. Noncalcareous. Minor calcite-chlorite fracture veinlets are present. Gradational lower contact.						0			
	96		S_0							23			
	103		S_0							56			
	101		S_0							81			
10	97		S_0 f_1 S_0	5.7-5.9 hematite-dolomite vein, hornfels extends about 20 cm from the vein. Contains about 20% py, strongly magnetic, bladed-acicular crystal habit.						65			
	94		S_0							5			
15	97		S_0	16.2 gypsum crystals on fracture surface						56			
	94									76			
20	96		f_1 S_0	21.4-22.2 albite alteration halos extend 1 cm from qtz-albite veinlet.						41			
	106		f_1							68			
25	96		S_0							65			
	97									69			
30	103		S_0							90			
35	97		S_0							89			
				38.8-39.0 sericite alt'n along fractures.									
	101		S_0	37.0-41.0 Albite-quartz altered homolithic breccia. The host rock is probably interbedded siltite-shale that is now mostly albite-quartz. Gradational lower contact.						82			
40	99		S_0							94			
	101		f_1	41.0-44.6 Chloritic albite-dolomite breccia, breccia is sheared and contains about 10% py and trace cp. Lower contact is irregular and fairly sharp at 44.6 m.						91			
45													

PAGE 3 OF 9 | PROJECT: GM | HOLE NO. GM 95-9

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	Au (ppb)	Co (ppm)	Mag Susc. SI units $\times 10^{-5}$	Scint. cps
										70-90
		2.0	4.0	2.0	03732	28	<5	11	12	
4.3, 5.2, 8.7 py laminae about 3 mm thick along minor faults		4.0	6.0	2.0	03733	76	<5	31	13	
		6.0	8.0	2.0	03734	20	<5	10	5300	
		8.0	10.0	2.0	03735	27	<5	12	16	
		10.0	12.0	2.0	03736	30	<5	11	14	
		12.0	14.0	2.0	03737	251	<5	19	20	
		14.0	16.0	2.0	03738	142	<5	19	7	
		16.0	18.0	2.0	03739	60	<5	37	5	
		18.0	20.0	2.0	03740	34	20	35	6	
		20.0	22.0	2.0	03741	46	<5	33	2	
		22.0	24.0	2.0	03742	32	<5	55	2	
24.4 spec $ cp		24.0	26.0	2.0	03743	99	<5	64	2	
		26.0	28.0	2.0	03744	55	<5	32	1	
		28.0	30.0	2.0	03745	186	<5	63	1	
30.7-36.3 about 1/4 % or less of possible sphalerite		30.0	32.0	2.0	03746	4	<5	10	1	
		32.0	34.0	2.0	03747	5	<5	9	1	
		34.0	35.5	1.5	03748	54	<5	9	1	
		35.5	37.0	1.5	03749	103	<5	11		↓
36.5 brannerite along late fracture cutting abitized-silicified interbedded siltite-shale. also at 38.6		Newmont Standard SV2 19			03750	missing	missing	missing	1	
		37.0	38.5	1.5	03751	24	<5	3		150
		38.5	39.8	1.3	03752	585	<5	60	1	150
		39.8	41.0	1.2	03753	624	<5	50		70-90
36.6-36.8 about 1/4 % cp and trace molybdenite or possibly very fine grained cobaltite or arsenopyrite.									2	↓
		41.0	42.2	1.2	03754	1955	<5	511		
		42.2	43.4	1.2	03755	1570	<5	328	43	
39.1-40.3 about 1/2 % py + 1% cp in late fracture cutting abitized and silicified siltite-shale		43.4	44.6	1.2	03756	2630	<5	414		
		44.6	46.5	1.9	03757	47	<5	76	15	↓

MADE IN VANCOUVER, CANADA

PAGE 4 OF 9 | PROJECT: GM | HOLE NO. GM 95-9

TH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				44.6 - 48.5 Black, interbedded siltite-shale, finely laminated, incipient breccia texture, albitic.
50	97			
	98			48.5 - 48.8 Albitic dolomite vein, sheared, contains minor chlorite-pyrite streaks.
				48.8 - 65.7 Black-grey, interbedded siltite-shale, noncalcareous, bedding layers range from 1mm to 1-2cm thickness. Poorly foliated, graded bedding of turbidite layers at 56.7 indicates overturned stratigraphy.
55	102			
	98			
	97			57.5 and 61.8 qtz-albite veinlets
60				
	96			61.5 - 63.2 and 63.8 - 64.2 crackle breccia zones veined with quartz and rare dolomite and chlorite.
65	100			
	96			65.7 - 66.4 Dolomite-albite-quartz breccia-vein, contains about 1% orange-yellow sphene, lower contact is gradational.
70	98			66.4 - 73.5 Quartz-albite-dolomite breccia, the protolith is probably dolomitic siltite-shale. Breccia texture becomes more gradational and gneissic towards the lower contact.
	97			73.5 - 74.2 Quartz-siderite-dolomite breccia-vein weakly chloritic, irregular contacts.
75	108			74.2 - 74.8 Vuggy dolomite, vugs contain dolomite, qtz, chlorite, pyrite and chalcopyrite.
	100			74.8 - 121.1 Dolomitic siltite-shale, grey-black colour, contains boudinaged coarse-grained dolomite veinlets + cherty layers, pyrite averages about 1/2%, rare stylolites.
	116			
80	101			
	94			75.4 - 76.2 qtz veined stockwork breccia zone, contains minor chlorite + pyrite
	98			
85	94			
	101			89.6 - 89.8 dolomite vein, coarse grained
90				

ALTERATION					FRACTURE RQD INTENSITY	% VEIN QTZ. + silicification	hematite
dolomite A	ankerite B	chlorite C	calcite D	albite E			
					86		
					92		
					88		
					89		
					75		
					64		
					71		
					92		
					97		
					76		
					100		
					97		
					90		
					100		
					93		
					86		
					99		
					94		

PAGE 5 OF 9 | PROJECT: GM | HOLE NO. GM 95-9

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag Susc. SI units $\times 10^{-5}$	Scint. cps.
		46.5	48.3	1.8	03758	13	<5	83		60-85
									2	
48.4-48.6 about 3% py, trace cp		48.3	49.5	1.2	03759	857	<5	97	2	
49.0-49.2 about 30% py, trace cp		49.5	50.8	1.3	03760	30	<5	11		
		50.8	52.1	1.3	03761	142	<5	34	4	
py + cp										
		52.1	53.5	1.4	03762	<1	<5	57	1	
53.5-57.1 traces of cobaltite and/or		53.5	55.0	1.5	03763	<1	<5	215		
arsenopyrite in qtz veinlets or late									1	
shear surfaces, at 56.0 a 1-2mm		55.0	56.5	1.5	03764	<1	<5	142		
thick seam of cobaltite.		56.5	58.0	1.5	03765	<1	<5	38	1	
		58.0	59.5	1.5	03766	<1	<5	30	1	
59.8 spec of erythrite along with cobaltite		59.5	61.0	1.5	03767	72	<5	67	1	
60.5-61.8 specs of cobaltite										
		61.0	62.5	1.5	03768	32	<5	29	1	
63.2-63.9 about 1/2% sphene?		62.5	64.0	1.5	03769	162	<5	11		
63.7 about 1/2% py+cp, trace mal									1	
		64.0	65.7	1.7	03770	27	<5	6		
65.1 spec of cobaltite or asp		65.7	66.4	0.7	03771	656	<5	37	23	
65.8-66.2 about 5% py, trace cp		66.4	67.9	1.5	03772	571	<5	17		
trace asp and sphene?		67.9	69.4	1.5	03773	108	<5	15	40	
66.2-67.3 about 1% py, 1/4% cp		69.4	70.9	1.5	03774	109	<5	12		
67.7-68.3 about 1% py									22	
69.2-71.0 specs of cobaltite or asp		70.9	72.2	1.3	03775	81	<5	15		
69.3-70.1 about 1% py		72.2	73.5	1.3	03776	167	<5	14	20	
71.6-73.5 about 1% py, trace cobaltite										
and/or asp.		73.5	74.2	0.7	03777	21	<5	10	140	
74.3-76.6 averages about 2% py		74.2	74.8	0.6	03778	53	<5	8		
		74.8	76.3	1.5	03779	14	<5	14	13	
		76.3	77.8	1.5	03780	83	<5	11		
77.0-78.7 about 1% pyrite		77.8	79.3	1.5	03781	42	<5	11	8	
78.7-80.3 about 1/2% py										
80.3-80.5 about 3% py		79.3	80.8	1.5	03782	32	<5	10	10	
80.5-82.8 about 1/2% py fine grained		80.8	82.3	1.5	03783	49	<5	17		
		82.3	83.8	1.5	03784	70	<5	18	7	
82.8-83.7 about 2% py on fractures and		83.8	85.8	2.0	03785	48	<5	21		
disseminated, 83.3 trace malachite									15	
83.7-85.1 about 1/2% pyrite										
85.1-86.4 about 1% py as dots		85.8	87.8	2.0	03786	17	<5	17	20	
86.4-88.6 about 1/4% py										
		87.8	89.8	2.0	03787	31	<5	36	9	
88.6-89.2 about 1% py as dots in										
dolomite veinlets.		89.8	91.8	2.0	03788	29	<5	11	15	

MADE IN VANCOUVER, CANADA

PAGE 6 OF 9 | PROJECT: GM | HOLE NO GM 95-9

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A dolomite	ALTERATION B ankerite	ALTERATION C chlorite	ALTERATION D calcite	ALTERATION E albite	FRACTURE INTENSITY RQD	% VEIN QTZ + silicification	Remarks
				dolomitic siltite-shale (continued)								
95	95		S_0							95		
	98		f_1							98		
100	80		f_1							68		
	119									95		
105	101		S_0							85		
	97									88		
110	96									55		
	96		S_0							54		
115	97									58		
	104		f_1, f_2							89		
	98		f_1							55		
	97		S_0, f_1, f_2	118.3 fault with slickensides at 80° to core axis; fault surface is at 20° to core axis						21		
120												
	100			121.1 - 121.8 Carbonaceous cherty shale, same as 123.3 - 158.5						68		
				121.8 - 123.3 Dolomitic siltite-shale, same as 74.8 - 121.1								
	102		f_1, f_2	123.3 - 158.5 Carbonaceous cherty shale, graphite is present on slickenside surfaces, bedding is massive and/or poorly defined finely laminated cherty black shale, a white precipitate (iron sulfate ?) forms along fractures in several zones.						64		
125	84									48		
	99									81		
	92		f_1							71		
130	98									34		
	97		S_0							71		
	88		f_1, f_2, f_3							41		
135	100									18		

PAGE 7 OF 9 | PROJECT: GM | HOLE NO. GM 95-9

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	TO	WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	Au (ppb)	Co (ppm)	Mag Susc. SI units x10⁻⁵	Scint. cps.
90.2 spec of asp or cobaltite									14	60-85
90.9 - 91.8 about 1% py, trace cp, mal.		91.8	93.8	2.0	03789	36	<5	15		
									20	
93.8 - 95.0 about 1% py		93.8	95.8	2.0	03790	9	<5	4		
									15	
95		95.8	97.8	2.0	03791	45	<5	2		
									13	
		97.8	99.8	2.0	03792	40	<5	5		
									15	
100		99.8	101.8	2.0	03793	23	<5	3		
									16	
		101.8	103.8	2.0	03794	117	<5	9		
102.4 - 103.7 about 1% py									21	
104.0 - 106.8 about 1/2% py		103.8	105.8	2.0	03795	326	<5	6		
104.0; 104.8 - 105.6 up to 1/4% cp									15	
105		105.8	107.8	2.0	03796	87	<5	6		
									25	
		107.8	109.8	2.0	03797	90	<5	8		
108.1 - 117.8 average about 1% py									15	
		109.8	111.8	2.0	03798	192	<5	9		
110.2 - 110.4 about 1/4% asp + cobaltite?									21	
		111.8	113.8	2.0	03799	255	<5	11		
		Newmont Standard			MS2-06	03800	102	150	11	13
		113.8	115.8	2.0	03801	254	<5	10		
									13	
115										
115.0 trace mal on fracture surface		115.8	117.8	2.0	03802	335	<5	8		
116.6 spec of cpy									18	
		117.8	119.5	1.7	03803	346	<5	10		
118.1 trace cp + mal in fault breccia									9	
119.4 trace mal on fracture surfaces		119.5	121.1	1.6	03804	309	<5	9		
120										
120.1 - 120.4 about 1% py		121.1	121.8	0.7	03805	281	<5	9	14	
120.6 - 124.8 averages about 1% py		121.8	123.3	1.5	03806	214	<5	8		
121.9, 122.8, 123.8, 124.3 - 124.7 traces of cpy									20	
		123.3	124.8	1.5	03807	521	<5	14		
		124.8	126.3	1.5	03808	53	<5	7	3	
125										
125.7 - 126.0 about 1% py										
		126.3	127.8	1.5	03809	113	<5	7	6	
127.9 - 128.7 about 1% py		127.8	129.3	1.5	03810	114	<5	9		
									1	
129.1 - 135.9 about 1% py, finely dissem-		129.3	130.8	1.5	03811	234	<5	10		
130 eminated and in fractures		130.8	132.3	1.5	03812	347	<5	10	3	
130.0, 135.6, 136.8 trace mal on fractures										
130.8 - 131.3, 132.8 trace cpy in dolomite - ankerite - pyrite veinlets		132.3	134.3	2.0	03813	175	<5	15	2	
135		134.3	136.3	2.0	03814	159	<5	14	2	

PAGE 8 OF 9 | PROJECT: GM | HOLE NO GM 95-9

H (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A dolomite	B sericite	C chlorite	D calcite	E albite	FRACTURE RQD INTENSITY	% VEIN QTZ. + siliceous matrix	hematite
	100			carbonaceous cherty shale (continued)						28		
	98									34		
140	102		58							63		
	97		58							69		
145	100		58	146.3 – 146.9 matrix supported fault breccia						89		
	96									47		
150	100									52		
	93		58							40		
155	99									41		
	92		58	158.5 End of Hole						62		

PAGE 9 OF 9 | PROJECT: GM | HOLE NO GM 95-9

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag Susc. SI units $X10^{-5}$	Scint cps.
		136.3	138.3	2.0	03815	106	<5	15		70-80
									1	
138.1-138.6 about 1% py		138.3	140.3	2.0	03816	204	<5	.10	1	
139.2-39.7 about 1% py, fine grained trace cp + malachite on fractures		140.3	142.3	2.0	03817	368	<5	22	7	
140.4-141.0 about 1% py										
141.0-145.4 about 1/2% py + cpy py >> cpy, py is disseminated and on fracture surfaces.		142.3	144.3	2.0	03818	177	<5	11	1	
		144.3	146.3	2.0	03819	152	<5	19	4	
145.9-147.9 about 1% py, clot of cpy at 146.9										
		146.3	148.3	2.0	03820	206	<5	14	1	
148.9-152.4 about 2% py, trace malachite at 149.2		148.3	150.3	2.0	03821	462	<5	19	1	
		150.3	152.3	2.0	03822	255	<5	15	8	
152.9-153.7 about 1% py		152.3	154.3	2.0	03823	160	<5	18	2	
154.2-158.2 about 1% on average trace cpy.		154.3	156.3	2.0	03824	211	<5	16	3	
		156.3	158.5	2.2	03825	174	<5	10	1	
									3	

MADE IN VANCOUVER, CANADA

PAMICON DEVELOPMENTS LIMITED

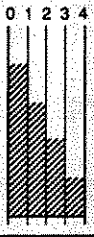
DRILL LOG

PROJECT: FJV	GROUND ELEV.: 960 m
HOLE NO.: GM95-10	BEARING: 304 Az
LOCATION: UTM: 7229394 mN, 517681 m E; Anthez 2 claim.	DIP: -85
	TOTAL LENGTH: 202.9m
LOGGED BY: JRDICKIE	HORIZONTAL PROJECT: 17.8
DATE: JULY 5/ 1995	VERTICAL PROJECT: 202.1
CONTRACTOR: FALCON DRILLING	
CORE SIZE: NTW	
DATE STARTED: July 2, 1995	
DATE COMPLETED: July 3, 1995	
DIP TESTS: Sperry-Sun @ 202.9 DIP: -86°	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS
- Casing - 19' (5.8)
- sample interval 3m.
- intense fracture/microfault disruption.
- lithologic homogeneity (Bl. sh. - Quartzel Gp.)

LEGEND
Bl. Sh - black shale
DLSLST - dolomitic siltstone
~~~~ - (minor) fault trace
→ - slickensides
(planar + linear features plotted w/R to core axis i.e. 50° slickensides = 50° to core axis)
M - minor folds / bedding.

Alteration.
AB - ALBITE
JA - JAROSITE
Q2 - QUARTZ
CY - CLAY
CL - CHLORITE
PY - PYRITE
~~~~

PAGE 1 OF 10 | PROJECT: FJV - GREMLIN | HOLE NO. GM95-10

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION JA A	AB B	CL C	CY D	E	FRACTURE INTENSITY	% VEIN QTZ.
		casing		casing 0 - 5.8 m.							
5	87			5.8 - 202.9 m Intensely faulted/fractured black shale - laminated silty fine sand interbeds ungraded to distribution-normal graded. Extremely graphitic throughout; abundant slickensides on fracture surfaces.							
10	102			Yuggy zones w/ jarosite alt^n associated with Qz veinlets.							
	97			11.6m CL↑ from TF to [ ]							
	103			12.7m yuggy Qz vein + JA							
15	101			15.5m Qz-JA. bed/cleavage @ 28-35°							
				Jarosite development along fracture planes ∥ Sø +/or							
	100			18.0 recumbent microfolds.							
				19.6 - 20.1 m ↑ graphite							
20				20 m microfaults @ 20° (slick^s)							
	89			20.5m Graphitic fault gouge, loosely cemented							
				20.1m Intensely fractured sh., AB+CL matrix/veining TR QZ							
	94										
25				25m v. graphitic/broken sh. (25.0 - 27.0)							
	99										
				28.1 - 28.5m. Fractured, veined (QZ), JA.							
	97			QZ vein/breccia (not WB) 29.0 " honeycomb fracture - fill veinlets/stringers AB ~							
30											
	98			32.0 - 32.1 m. AB-CL-JA vein, yuggy							
	95										
35				? brecciated. 35.5 - 37.3 AB veinlets in fractures x-cutting Sø @ 90°							
	98			36.3 slick^s + truncated beds.							
				37 intensely fractured sh.							
				37.7 QZ + JA veinlet @ 003°							
				Graded microturbidites (silty tb^s) ~ beds R Way Up.							
40	99			42.1 slight foliation ~ pseudo-crenulation.							
				∥ microfold axial planes.							
				JA stringers ⊥ Sø → follows recent fractures							
	98			tight, minor folds. 42.8 microfault.							
45											

PAGE 2 OF 10 | PROJECT: FJV - GREMLIN | HOLE NO. GM95-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Mag. Susc.
Sample Interval - 3.0m.									
		5.8	8.8	3.0	03826	30	<5	10	
		8.8	11.8	3.0	03827	68	<5	11	
		11.8	14.8	3.0	03828	51	<5	11	
		14.8	17.8	3.0	03829	34	<5	8	
		17.8	20.8	3.0	03830	77	<5	8	
		20.8	23.8	3.0	03831	29	<5	9	
		23.8	26.8	3.0	03832	34	<5	10	
		26.8	29.8	3.0	03833	33	<5	11	
		29.8	32.8	3.0	03834	24	<5	13	
		32.8	35.8	3.0	03835	33	<5	11	
		35.8	38.8	3.0	03836	41	<5	10	
		38.8	41.8	3.0	03837	24	<5	9	
		41.8	44.8	3.0	03838	26	<5	10	
		44.8	47.8	3.0	03839	25	10	10	

PAGE 3 OF 10 | PROJECT: FJV GREMLIN | HOLE NO. GM95-10

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
	85			45-50 Less alt^n minn JA along fractures
	100		70	51.5 beds overturned. (inverted n. distr.^n grading)
50	99		20	
			50	
	94		50	
55			50	55. overturned strata; small-scale folds.
	99			
	99		45	58. white, powdery evaporite? mineral.
			50	59. microfault - sinistral, ⊥ Sø
60			~060	
	100		60	61.0 - 61.1 AB-CL-JA veinlet @ 70°
			60	slight fol. w lin. of tiny needles (?)
	90			S1 ∢ Sø ≈ 0-20° ~ gen. vague lin. on fol. plane.
			55	65. subvert. fracture; closely spaced; AB veinlets.
65				
	100		80	
			80	67. S1 ∥ S0 phyllitic → mod. slatey cleavage
	93			
			~080	69-7 fragmental - fault-brecciated sh.;
70				mod. clast transl. + sl. rot (max. frag. @ 73m)
	99			"crush" zone. extremely graphitic
				69.7 - 69.8 AB-CL + Tr JA
				73. fault zone - intense "crush" zone; max. graphite.
	86		~035	local minn Qz stringers - vuggy; sl. deformed.
75			~035	74-75 central Fault trace - "powdered sh"
				graphite; extreme cataclasis/"gouge"
	90			76.5 AB-CL stringers in fractured sh.;
				surround fragments; subrnd. clasts - "milled."
				76.6 - 76.7 Qz-CL vein on fault (slick?)
	93			77.5 intense graphite, minn fault trace ~⊥ core
80				78. + 78.5 intense graphite, minn fault trace.
				"crush" zone.
			30	79.5: Graphitic sh. powder / pulverized sh. (Fault)
	101			Fault. zone is 79.5m - 81.0m
			AB 80 45 AB	81.8 - 91.9 AB-CL stringers ∥ core @ 45 + around fragments
85				81 - 91.9 Fragmented sh.
				dislocations; sl. rotations.
	97			
	77			
90				

ALTERATION: JA A | AB B | CL C | CY D | E

FRACTURE INTENSITY

% VEIN QTZ.

PAGE 4 OF 10 | PROJECT: FJV GREMLIN | HOLE NO. GM95-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	MAG. Susc.
rien.									0-1
		47.8	50.8	3.0	03840	30	<5	11	
		50.8	53.8	3.0	03841	28	<5	10	
		53.8	56.8	3.0	03842	29	<5	13	
		56.8	59.8	3.0	03843	21	<5	10	
		59.8	62.8	3.0	03844	30	<5	13	
		62.8	65.8	3.0	03845	32	<5	12	
		65.8	68.8	3.0	03846	41	<5	11	
		68.8	71.8	3.0	03847	41	<5	15	
		71.8	74.8	3.0	03848	35	<5	18	
		74.8	77.8	3.0	03849	45	<5	21	
		Newmont STD.		SV2-19	03850*	38	25	29	
		77.8	80.8	3.0	03851	41	<5	15	
		80.8	83.8	3.0	03852	27	<5	10	
		83.8	86.8	3.0	03853	46	<5	10	
		86.8	89.8	3.0	03854	32	<5	10	
		89.8	92.8	3.0	03855	51	<5	13	

PAGE 5 OF 10 | PROJECT: FJV GREMLIN | HOLE NO. GM95-10

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
	89			92.	Q2 - JA.
				92.5 - 93.0m	crush zone; pulverized sh. / heavy graphite.
95	97			93.1 - 93.45	CL ± CY altered lamprophyre dike. Tr CA relict phenocrysts
				93.45 - 93.7	sheared / veined sh.; S_ϕ = 20°; AB+CL ∥ S_ϕ
	98			93 - 96.0	tight folds; minor; Axial planes ⊥ S_ϕ ≐ 75° ±
	95		80	96.3 - 96.4	strongly milled sh.;
100			70		
	98		0 80	101.5 - 103.3	vein. fractures ∈ AB; JA/Tr PY? + AB stringers. minor breccia zones.
105	98		80	103.3	start boudinaged bedding; beds of fine silt altered to CL+CA. Thicker siltite interbeds
			90		vertical CA-CL veinlets ∈ fracture.
			85		S_1 ≈ vague foliation defined by CA blobs ∡30° to S_ϕ.
	100		S_1 ∡ 75°		103.3 Siltite interbeds ↑ calcitic
			S_1 ∡ 15-20°		& may reflect transition zone ∈ calcite beds down-section.
110					Tr evaporite along microfractures @ 35°
	100		45 80		112. micro folds; A.P ⊥ core;
	101				112.3 and 112.1 faults ("crush horizons ∈ gauge)
115					
	95			118.7 - 114.8	AB - CL stringers @ 80°; boudins.
			90	119.3 - 119.4	AB - CL veinlets; boudins.
120	101		Fo	122.	↑ CL
			AB ∡ CL+CA		AB - JA - CL + calcite veinlets ∈ brecciated zones
	91		0 45	124 - 125	brecciated + CA - veined sh.
125			Δ Δ	125 - 126	AB veinlets ⊥ core + ∥ S_ϕ
	100				calcitic interbeds with CL alt^n (mod.)
	96		78	128.6 - 132.5	lam. carbonate (calcite) gradational lower (basal) contact ∈ sh.; sharp upper contact
130			Fo		CL alt^n; gen silky limestone
	100		120	1325	lam. sh.; calcitic interbeds — 2-5 cm thick. CL, Tr PY alt^n.
135					

ALTERATION: JA A | AB B | CL C | CY D | CA E | FRACTURE INTENSITY | % VEIN QTZ.

PAGE 6 OF 10 | PROJECT: FJV - GREMLIN | HOLE NO. GM95-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	Sulf.	Mag. Susc.
		92.8	95.8	3.0	03856	92	<5	23	ϕ	ϕ
									↓	ϕ
										ϕ
										14
										ϕ
		95.8	98.8	3.0	03857	57	<5	19		↓
		98.8	101.8	3.0	03858	44	<5	19		
		101.8	104.8	3.0	03859	35	<5	14		
		104.8	107.8	3.0	03860	106	<5	15		
		107.8	110.8	3.0	03861	30	<5	16		
		110.8	113.8	3.0	03862	31	<5	18		
		113.8	116.8	3.0	03863	57	<5	18		
		116.8	119.8	3.0	03864	70	<5	40		
		119.8	122.8	3.0	03865	80	<5	17		
		122.8	125.8	3.0	03866	93	<5	27		
		125.8	128.8	3.0	03867	109	<5	19		
		128.8	131.8	3.0	03868	35	<5	19		
132.5 Tr. Py as blebs.										
		131.8	134.8	3.0	03869	65	<5	22		

PROJECT: FJV GREMLIN

HOLE NO. GM95-10

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				– 140.8 calcitic shale-siltite to 140.8 ± progressive dying out of limestone down-hole into graphitic bl. sh. ± rare siltite lam's; ↑CL ↑ fragmented sh down-section.
140	97			
	104			140.8 - 142.6 "crush zone"; minn fault. v. graphitic. pyrite lam's ∥ S_0. $S_1 \parallel S_0$ (S_1 slaky fol.)
	96			
	71			
	102			144.5 - 145.8 "crush zone" - minn fault.
145	89			145.8 - 148 graphitic + chloritic bl. sh, v. minor silt lam's minn fragmental horizons (minn fault traces) generally brecciated/fragmental
	97			149.6 PY blebs; AB veinlets surround sh frag's.
150	91			150.7 slick's @ 20°
	107		85	$S_1 \parallel S_0$ S_1 = slaky fol. $S_0 \sim \perp$ core axis.
	85		65	
	100% 83%			153.3 - 153.8' "crush" zone.
	90			AB-CL stringers along vague foliation S_2
155	88		50	$S_2 \not\parallel S_0 \approx 40°$ $S_0 \approx 30°$
	84		30	
	86			sh/siltst. more competent, less broken
	99		AB	stringers.
160	123%		20°	
	95% 117%			
	88			
	104			
165	90			
	99			167.5 PY as stringers/veinlets ∥ S_0; gen. ↑ py down-hole. to ~ 180
	96		50	
170	96			
	103			
	96		55	
175	102			
	99		65	
180				

ALTERATION

JA A	AB B	CL C	CY D	CA E

FRACTURE INTENSITY

% VEIN QTZ.

PAGE 8 OF 10 | PROJECT: FJV GREMLIN | HOLE NO. GM95-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)
		134.8	137.8	3.0	03870	69	<5	21
		137.8	140.8	3.0	03871	64	<5	20
		140.8	143.8	3.0	03872	194	<5	23
		143.8	146.8	3.0	03873	99	<5	20
		146.8	149.8	3.0	03874	66	<5	19
		149.8	152.8	3.0	03875	88	<5	19
		152.8	155.8	3.0	03876	89	<5	20
		155.8	158.8	3.0	03877	133	<5	18
		158.8	161.8	3.0	03878	79	<5	20
		161.8	164.8	3.0	03879	85	<5	18
		164.8	167.8	3.0	03880	100	<5	21
Py stringers, blebs and minor disseminations; ||Sd		167.8	170.8	3.0	03881	101	<5	17
		170.8	173.8	3.0	03882	78	<5	31
		173.8	176.8	3.0	03883	59	<5	18
		176.8	179.8	3.0	03884	71	<5	17

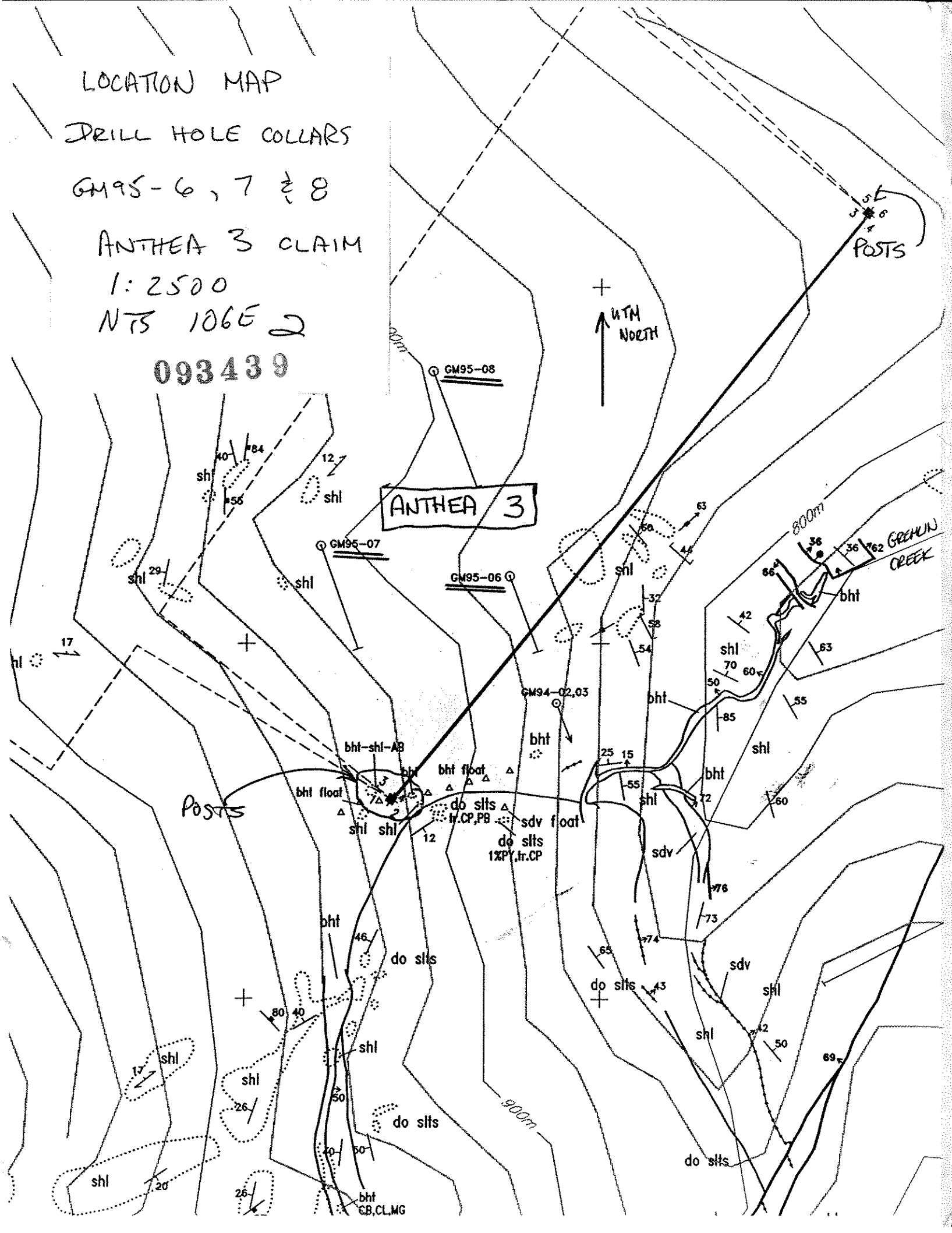
PAGE 9 OF 10 | PROJECT: FIV GRETHLIN | HOLE NO. GM95-10

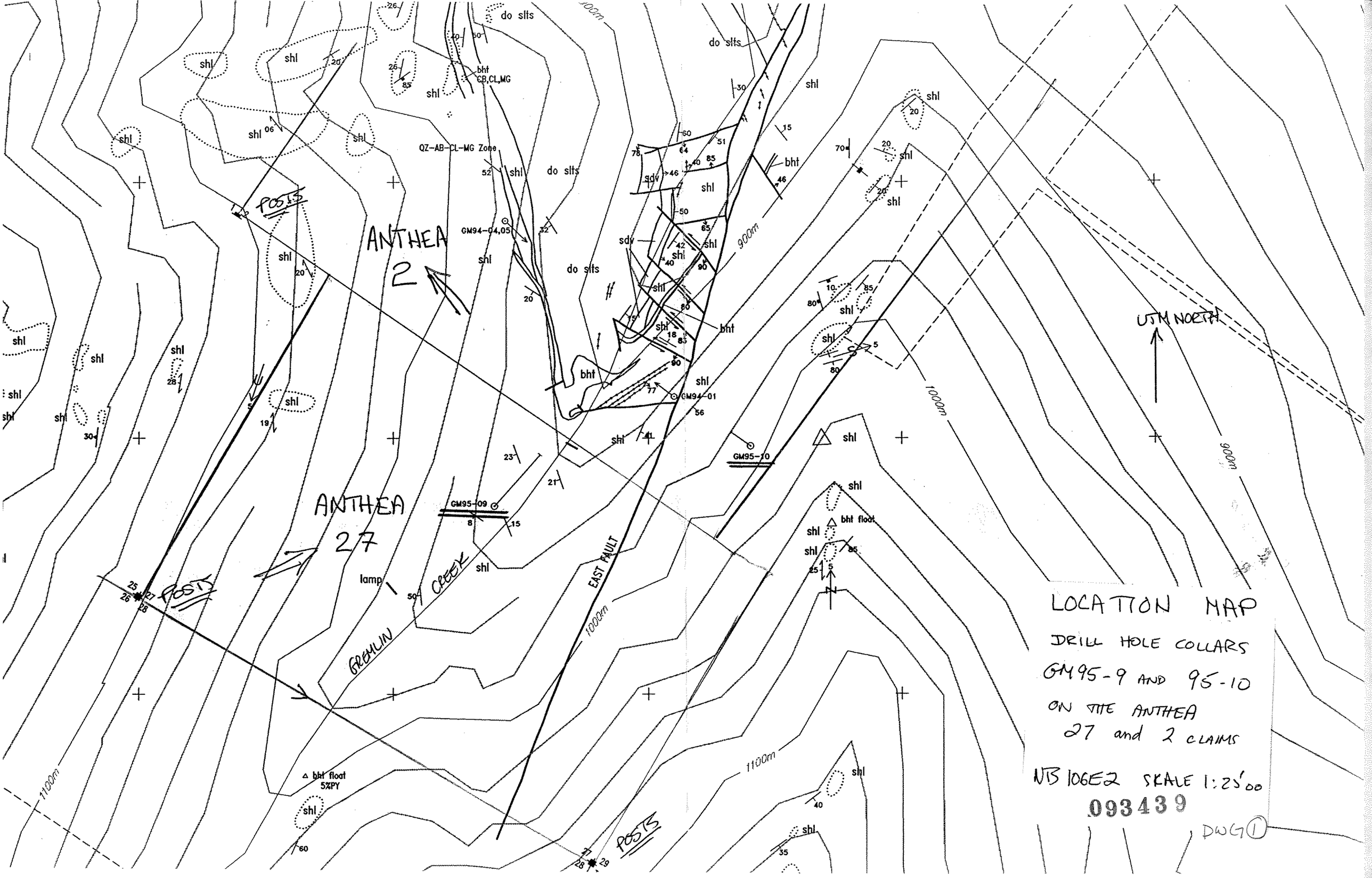
DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION JA A	AB B	CL C	CY D	CA E	FRACTURE INTENSITY	% VEIN QTZ
	97		65	PY rosettes on fracture planes.							
	97										
185	95										
	99			188.9 shear structures C+S planes developed. C @ 80° AB+CL along C/S fabric S @ 65°							
190	93			AB+CL. AB+CL → ← C ∥ Sφ							
	101										
	96			vague foliation S_2							
195	101		80								
			10	197. PY ∥ Sφ & 95° poss. deformed v-strat.							
				198. vert. fracture set.							
	100			197. ↑ calcitic zones in sh/slt.; poss. primary ↑ clay after CL? PY alt'n along silty lams.							
200	87			201. tiny dk. alt'n minerals							
	100										
	99			203.9 - EOH -							
205											

PAGE 10 OF 10	PROJECT: FJV GREMLIN	HOLE NO. GM95-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu (ppm)	ASSAYS Au (ppb)	ASSAYS Co (ppm)	
		179.8	182.0	3.0	03885	71	<5	20	
		182.8	185.8	3.0	03886	130	<5	28	
		185.8	188.8	3.0	03887	64	<5	22	
		188.8	191.8	3.0	03888	57	<5	18	
		191.8	194.8	3.0	03889	66	<5	15	
		194.8	197.8	3.0	03890	64	<5	17	
		197.8	203.9	6.1	03891	9	<5	10	
203.9m. – EOH									

MADE IN VANCOUVER, CANADA


LOCATION MAP
DRILL HOLE COLLARS
GM95-6, 7 & 8
ANTHEA 3 CLAIM
1:2500
NTS 106E 2
093439
ANTHEA 3
GM95-08
GM95-07
GM95-06
GM94-02,03
POSTS
POSTS
UTM NORTH
GEECHUN CREEK
800m
900m
shl
bht
bht-shl-AB
bht float
do slts
tr.CP,PB
sdv float
do slts
1%PY,tr.CP
sdv
do slts
bht
CB,CL,MG


do slts
shl
bht
CB,CL,MG
QZ-AB-CL-MG Zone
GM94-04,05
GM94-01
GM95-09
GM95-10
sdv
bht float
5%PY
ANTHEA
2
ANTHEA
27
POST
POST
POST
lamp
GREMLIN
CREEK
EAST FAULT
900m
1000m
1100m
UTM NORTH
LOCATION MAP
DRILL HOLE COLLARS
GM95-9 AND 95-10
ON THE ANTHEA
27 and 2 CLAIMS
NTS 106E2 SCALE 1:25'00
093439
DWG 1