

卷末資料

Geologic Log of MJZC-2~4

Abbreviations

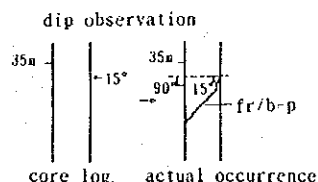
Lithology

AGL: argillite
 alt: altered
 AMP: amphibolite
 aren: arenaceous
 arg: argillaceous
 ark: arkose
 b: bedding
 bk: black
 b-p: bedding plane
 bre: breccia
 brwn: brown
 CGL: conglomerate
 comp: compact
 conv: convolute
 cos: coarse
 cryst: crystalline
 dk: dark
 dol: dolomitic
 DM: dolomite
 feld: feldspar
 fr: fracture
 Gab: gabbro
 grn: green
 gry: gray
 hd: hard
 ig.r: igneous rock
 la: lamina
 LAT: laterite
 LS: limestone
 mass: massive
 medi: medium
 mdy: muddy
 mica: micaceous
 peb: pebble
 QZT: quartzite
 qzose: quartzose
 r: rock
 sdy: sandy
 seri: sericitic

SH: shale
 sh: sheared
 sil: siliceous
 SS: sandstone
 str: structure
 whi: white
 yel: yellow

Mineralization / Alteration

Anhyd: anhydrite
 Bio: biotite
 Cal: calcite
 carb: carbonate
 circ: circulation
 Cp: chalcopyrite
 diss: dissemination
 f: fine
 F/W: footwall
 Gyp: gypsum
 Hem: hematite
 Ho: hornblende
 H/W: hangingwall
 irreg: irregular
 Limo: limonite
 m: mineral
 oxi: oxidized
 Po: pyrrhotite
 Py: pyrite
 Qz: quartz
 sca: scapolite
 str: strong
 tex: texture
 tremo: tremolite
 v: very
 w: weak



Drill hole No. : MJZC-2

Direction : - (true north)

Inclination : -90°

Latitude : 12°43'28" S

Longitude : 28°07'03" E

Elevation : 1212.5 m

(1)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
0m	L	« Cuttings » light brown										
	L	LATERITE										
	L											
5m	L	reddish LAT										
	L											
	L											
10m	L	strongly weathered r.										
	L	greenish gray sandy ARGILLITE	micaceous									
	L	brown str. weath. r.										
15m	L	greenish gray AGL phyllitic										
	L	weathered partly										
20m	L											
25m	L											
	L	dk. yel. grn micaceous AGL										
	L	grn AGL										
30m	L	brown weathered medium, arkose SANDSTONE										
35m	L											
40m	L	black calcareous SHALE	Py. w. diss.									
45m	L	SHALE/Qz	Qz vein									
	L	SHALE/whi. hd DM. arg-DOLomite										
50m	L	bk. SHALE not calcareous	Py. w. diss.									

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(2)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
50m		black SHALE								
55m		with DM	Py. w. diss.							
60m			Py. diss.							
65m			Py. diss.							
70m										
75m										
80m			Py. str. diss.							
85m										
90m		br. SHALE / qtz DM	Py. w. diss.							
95m		qtz DM								
95m		br. SHALE / DM								
100m			Py. str. diss.							

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(3)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
100m		gy DM.	Py. diss.							
105m		with bk. SHALE								
		black SHALE << DM	Py. str. diss. grn clayey alteration							
110m										
115m										
120m										
125m		black SHALE >> DM	Py. str. diss.							
130m										
135m		whitish sdy. DM								
140m		black SHALE	Py. diss.							
145m										
150m			Py. str. diss.							

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(4)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
150m		black SHALE with DM.	Py. diss.							
		↑ Cuttings (N/C)								
		↓ Coring dk. grn. altered GABBRO massive	sil-dolomite veinlets							
155m		gry sil-alt. GB. v. comp. rd.	silicified sil-dolomite network							
		dk. brownish gry.	sil-cos. crystallized dolomite veinlets							
160m		gry. v. sil-alt. rock.	str. silicification							
		50° v. fractured white clayey.	Mica veinlets limo. diss. sil-dolomite veinlets							
		vein brecciated	cos. cryst. dol. limo-mica vuggy vein							
170m		v. sil. alt. r.	vuggy dol-limo-mica veinlets (network)							
		v. alt. GAB Ho. left	dol-limo-mica network							
175m		DM. breccia mica-matrix								
		gry. v. sil-alt. r.	grn. clayey part in sil-r. sil-dolomite network							
		massive sil. r.								
		brecciated by vein	Mica-dolomite veinlets cos. cryst. dol-veinlets							
		gryish gry. mass. alt. GAB.	Mica-dolomite network whitish altered, str. bio. network							
		50° v.	↑ irreg. sil-cos. cryst. dol-limo. vein (40cm)							
185m		dk. grn. alt. GAB.	dolomite-mica veinlet & diss.							
		gry. alt. GAB.	gry. alt. w-sil-str. mica. cos. cryst. dol-limo. veinlets							
		50° v.	Mica veinlet							
190m		60° sheared fracture breccias of DM & other sil. alt. r.	sil-dolomite-mica filling matrix of breccias							
		gry. sil. alt. r.	sil-dol-limo-mica network, vuggy.							
		30° sh-fr.								
195m		45° v.	vuggy Qz-limo veinlets (20cm)							
		gry. alt. GAB? mass.	sil-mica-dol. alteration (veinlets)							
		70° sh-fr.								
		str. alt. breccias of sil. r. DM. with subrounded fragments dolomite-micaeous matrix.	(sil. r. dol. r.) & irreg. breccias							
200m		whi. mass. DM.								

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(5)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
200m		alt. breccias sil-r. & dol-r. pres.	str. dolomitized & micaceous							
205m		gry. mass. r. sil. alt. r.	sil. - dol - mica. sericite diss.							
210m		sil/dol- alt. r. massive	limo-dol-mica, vuggy veinlets (network)							
215m		dk. grn. alt. GAB.	Bio. diss. spotted limo-dol-veinlet str. Bio. diss. patch ~ filling fractures							
220m		brecciated GAB.	dol-veinlets str. Bio. diss.							
225m		70° brown weathered strongly altered breccias	Bio. str. diss. carbonatized (dolomite)							
230m		str. weathered	str. silicified dolomitized - limo. - mica (Bio.) diss. limo. diss.							
235m		gry. - brown, comp. v. hd. sdy? - sil-dolomite r.	sil-dol-limo. vuggy veinlet							
240m		pale grn. mass. AGI with white dot with dol-ss. thin layer	str. limo-dol, vuggy veinlet (network)							
245m		25° b. with siliceous layers whi. sil-ss. with irreg. arg-layers mass.	str. silicified - limo. diss.							
250m		QZTic ss. with dol-layers brecciated 15° b. dk. gry. sil-SHALE v. comp. hd. 20° b. lamina. 40° with dol-sdy-layer conv. lamina whi. mass. sil-DM. v. sil-bleached SHALE 35° sdy-lamina fractured 10° b. conv. lamina.	str. silicified.							
255m		mass. QZTic ss. 40° b. gry. AGI with dol-ss. layer gry. mass. sil-DM/dol-AGI 45° sheared fr. QZTic r.	not silicified. str. sil. - Mica. diss.							
260m		whi. weathered clayey sil-altered r.	dol-limo. veinlets, mica diss.							

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(6)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
250m		whi. sil. altered r.	sil. - mica-clayey alteration oxidized.							
		10% brownish, yel. grn. str. mica-dot. AGt.								
		whi. cas. crystalline massive DM.	limo. diss.							
255m										
		v.	Qz. Py. small druse.							
		v.	Sericite - Py. in fractures							
		10' yel. grn. mica-AGt. parting (10cm)	Bio. diss. - film in AGt.							
260m		brownish gry. Qz-Ti micaceous S.S. dolomitic sericite	Oxidized, limo. diss. str. silicification, Bio. str. diss.							
			oxidized, silicified. weathering, limo. diss.							
265m		dk. gry. weathered fine S.S.								
		13' arg. layers								
		dk. grn. - gry. S.S. with grn. arg. layer	partly silicified.							
270m										
		altered r. grn. AGt. greenish arg. S.S. sil. DM. parting (30cm)	str. silicified. - limo.							
		15-20' grn. arg. layers								
		20' whi. sil. DM. stylolite grn. arg. layer in DM. sil. S.S.	oxidized, weathered. limo. diss.							
275m		grn. sdy. AGt. massive	dolomite crystal & limo. in small cavity of AGt.							
		whi. sil. DM. comp. hd. mass.								
280m		greenish. dol-AGt. mass.								
		10%								
		whi. sil. DM. mass.	limo. diss.							
285m										
			small druse of dol. with limo.							
		pale grn. soapy clayey AGt.	micaceous, Py. w. diss. in AGt.							
		brownish weathered sil. DM.	limo. diss. in small cavity of DM.							
290m		15% grn. silty AGt.								
		whi. brown DM. stylolite with arg. layer in DM	small dol. druse							
		yel. grn. whi. mica-dot. sdy. AGt. mass.								
295m		10' mica-lamina whi. gry. sil. DM. grn. dol-AGt. gry-whi. mass. DM.	small druse							
		10% mica-arg. layer arg. DM								
300m										

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(7)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
300m	8	arg-DM. yel-grn, mica-AGt 5" b. DM parting mass. silty AGt grn. sdy-AGt	Mica in cavity of AGt							
305m		sil-DM. 5" b. mica-AGt. 8" v. mica-dol-sdy-AGt	talcose dol. veinlet							
310m		10" b. pale grn. sdy-AGt sdy grn. AGt 15" whi. mass. spotted DM. with grn. arg-layers	dol. veinlet oxi. limo. diss.							
315m		whi. mass. crystalline DM. sericitic	oxi. limo. diss.							
320m			small druses							
325m	5	grn. sdy-AGt.	dol. films with cavity							
330m	5	whi. mass. spotted DM sericitic grn. arg-layer (poor) 5" dk. gry arg-layer (poor) grn. mass. AGt. sdy.								
335m	3	cos. & z. grain (gritty) gry sdy-DM. parting grn. mass. silty AGt	Px. diss in DM. & AGt along bedding plane Gyp-(Anhyd) veinlets (patch)							
340m	4	yel-grn. micaceous whi. mass. gyp-DM.	Gyp. layers - patch rich. Px. w. diss. partly.							
345m	7	gnish gry dol-AGt ss. parting (20cm) yel-grn. mica-AGt. 5" b. flat whi. dol-sdy-layers grn. thinly laminated flat mica-AGt.	Gyp. veinlets Gyp-Anhyd, veinlet - spot. fine Px.-(Cp?) w. diss.							
350m			Anhyd. spot rich							

Drill hole No. : MJZC--2

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Elevation :

(8)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	TCu %	SCu %	Co %	Zn %
350m		AGL								
		← flat, water escape str.	Anhyd. patch							
		whi-gry. mass. arg-DH. with tremolite?								
355m		← flat lamina	Anhyd. rich oxidized Py. diss. along b-p. in DH. & AGL.							
		← 5" pale grn. soapy AGL	talcose? Anhyd. patch ~ veinlet							
360m		trav. - DH. mass. grn. talcose AGL. mass.	str. Anhyd.							
		anhyd-arg-DH. mass. sericite - tremolite rich								
365m		spotted DH.	Anhyd. patch ~ veinlet							
		← 5" grn. mass. AGL								
		arg-DH. mass. with tremolite								
370m		← flat. grn. silty AGL. with dol-spot-lens	Anhyd. large spot. Py. large crystal diss. in talcose part							
		← 5" micaceous lamina.								
375m		← flat. dol. lens. sericitic DH. parting pillar str. in mica-AGL. sdy-DH. parting	Py. w. diss.							
380m		mica-dol-AGL str. tremolite	Anhyd. patch ~ lens. irregular							
		arg-DH. dk. yel-grn. mica-silty AGL. mass.	Py. w. diss.							
385m		← 10" sdy-AGL.	Anhyd. patch ~ lens rich.							
		← 8" dk. yel. str. Mica (Bio)	Py. w. diss. Anhyd-(Gyp) veinlet ~ large spot							
		← 5" sdy-DH. gradual whi. str. sericitic-anhyd. with tremolite								
390m		← 5" dk. yel. mica-sdy-AGL	Anhyd. large spot							
		whi. anhyd-DH. mass. tremolite rich.	Gyp. layer - Anhyd. spot							
		grn. mica-AGL parting								
395m		dk. yel. mica-AGL with thin dol. lens.	Anhyd. (Gyp) lens, Py. w. diss.							
		DH. partings (alluv.)	talcose.							
400m		← 5"								

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

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Longitude :

Elevation :

(9)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
400m		whi. gry. ang-seri-DM. grnsh gry. sdy-AGL. ← flat with dot-anhyd. lens	Anhyd. irreg. patch ~ lens							
405m		dk. yel. micaceous talcose grnsh whi. sdy-anhyd-DH. talcose dk. gry. mica-AGL. ← s. with sdy. lens	Anhyd. irreg. lens							
410m		whi.-grnsh. whi. mass. mica-anhyd-DH. ← 5' sdy-DH. dk. yel. mica-AGL parting DH with tremolite (10cm) anhyd-dol. interbedded thinly	Anhyd. irreg. lens							
415m		grn. silty AGL. mass. ngy. talcose whi.-grn. mass. tremolite rich anhyd-DH	Top of DH includes talcose clayey part.							
420m		dk. yel. mica-AGL parting whi. spotted DM. grnsh gry. sdy-AGL ← flat lamina broken by water escape str. massive.	Gyp. lens. Anhyd. irreg. spot							
425m		← s.t. talcose whi. trem. rich anhyd-DH ← flat gry. silty-sdy-AGL.	Anhyd. large irreg. lens.							
430m		sdly-AGL. mass. SS > AGL. interbedded thinly. pillar structure ← 5' dot-sdy. layers	Anhyd. irreg. lens ~ spot.							
435m		whi. anhyd-Gyp. > DH with tremolite with dk. yel. mica-layer grnsh gry. silty AGL. mass.	Anhyd. lens ~ patch							
440m		← 10' laminated whi. anhyd-DH. comp. mass with irreg. mica-layer grnsh gry. silty AGL	Anhyd. lens.							
445m		← 10' lamina irreg. boundary grnsh whi. ang. DH. mass. grnsh gry. silty AGL. mass. with sdy thin lens	Anhyd. lens.							
450m										

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(10)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
450m		greenish gry. mass. silty-sdy. AGL ←15' sdy. lens whi. anhyd. PH. mass. ←15' b. laminated ←20' v. dk. gm. gry. sdy. AGL. ang. ss. parting	Anhyd. irreg. lens & patch brownish, oxidized Qz - (Anhyd.) vein							
455m		greenish gry sdy. AGL massive. ←5' b. ang. lamina	Anhyd. lens.							
460m		←20' b. ang. lamina ←5' b. ang. lamina	Anhyd. irreg. patch							
465m		whi. brownish QZT. ←25' ang. layer. ←20' b. sdy. AGL ←15' v.	Anhyd. patch Qz - Anhyd vein (20cm) Qz veinlet (8cm)							
470m		←25' whi. QZT with Bio. with sdy. lens ←20-30' v. ←20' b. sdy. lens. very sandy	Qz - (Gyp) vein (10cm)							
475m		dk. gm. silty-sdy. AGL dk. gry. comp. v. hd. shaly AGL. mass. with Qz. grit ←20' sdy. layer	Anhyd. irreg. rounded large spot small Anhyd spot							
480m		silty-sdy. part interbedded ←25' b. ←25' v.	Anhyd. large spot, v. crystalline Anhyd. veinlets Qz. vein (20cm)							
485m		←25' b. ←15' v. whi. dol-QZT. ←25' b. dk. gm. gry. sdy. AGL cos. sdy. lens rich. ←30' v. gitty, mass. sdy. AGL	Qz - Anhyd. veinlet (3cm) Qz vein (F/W boundary sharp) Anhyd. patch							
490m		←20' b. whi. QZT. parting								
495m		greenish gry. sdy. AGL whi. QZT. ←30' b. water escape str. ←30' v. QZT parting lamina broken ←25' b.	sd. intrusion cut ang. lamina. Qz veinlet (2cm)							
500m		conv. lamina.	Anhyd. lens.							

Drill hole No. : MJZC--2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(11)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
500m	← 40° v conv. lamina ← 35° sdy-lens dk. grn. sdy-AGL		Qz vein (10cm)							
505m	← 25° conv. lamina QZT whi. arg-layers									
510m	dk. grn. mass. gritty AGL									
	← 30° whi. mass. anhyd. DM.		fine Anhyd. diss. in AGL. dol-mica veinlets (1cm)							
515m	← 35° dk. grn. mass sdy-AGL with irreg. sdy part.									
	← 30° whi-gry. mica-DM. "Cherty, DM" whi-colorless DM. mass.		Anhyd. diss. ~ spot in DM.							
520m	← 55-35° grn. AGL parting (20cm) ← 35° dk. grn. mica-SDY-AGL v. sdy-mica-AGL ← 35° whi. mass. DM.		Cp-fy. w-diss.							
525m	← 50° v		Qz-Mica veinlet (1cm)							
530m										
535m	str. micaceous arg-DM. ← 15° mica-layer convoluted									
	← 25° mica-arg-layers irreg. sil-spot contained		539.80-541.10 v. fine Cp diss. in DM. Anhyd spot.							
540m										
	sil-spot ← 25° mica-layer		Anhyd. spot.							
545m										
550m	arg-DM.		fine Py. w-diss.							

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(12)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
550m	25 5	arg. DM. dk. yel. gry. mica-AGL. DM with mica layer	laminated							
555m	30 25 30	dk. yel. gry. mica-AGL. gry. QZT. comp. hd. with Bio. arg. layers								
560m	30 25 15	whi. mass. Anhyd. spotted DM. gm. AGL-QZTic SS interbedded thinly whi. sdy. DM. with mica layer gm. arg. layer dominant 25 DM. 15 dol. AGL. gm. sdy.	partly silicified. Anhyd. lens.							
565m	15 20 20 60 25 30 30	15 mica-arg. layer DM-AGL. interbedded. whi. gry. 20 gm. arg. layers gry. dol. QZT. 20 h. arg. layers DM. parting gry. QZT. 60 DM with gm. arg. layer 25 gm. arg. gritty SS parting (30cm) whi. mica-DM. 30 v. dk. gm. conv. lamina 30 h. sdy. AGL. parting (30cm)	(30cm) py. w. diss. Dol. veinlet (2cm) cut conv. lamina of AGL.							
570m	30 30	gm. arg. conv. layer whi. gry. mica-DM. 30 h. gm. arg. layer gm. arg. layer dk. gry. arg. QZTic SS. parting (20cm)								
575m	30 20 25 20	30 gm. sdy. sil. dol. AGL laminated DM. with sil. spot arg. DM. gry. QZT. greenish gry. sdy. AGL. 35 laminated thinly 25 whi. mica-DM. 20 QZT. v. gm. silty AGL.	Anhyd. thin lens. irreg. Qz veinlet.							
580m	15 20 25	whi. mica-DM. dk. gry. sil. fine SS. 15 DM-SS-AGL. thinly interbedded (0.5 cm order) cos. gritty QZT. 20 gm. f. sdy. AGL. v. hd. whi. mass. DM. 20 pale gm. f. sdy. AGL. arg. SS gm. hd. comp. whi. gry. sil. DM. gm. f. sdy. AGL. 25 arg. sdy. layers	interbedded (0.5 cm order) v. sil. QZT. partings. silicified.							
585m	25 20	whi. v. sil. DM. v. hd. pinkish-brownish-gry v. hd. comp. QZT. "Upper QZT"	thinly interbedded str. silicified							
590m	20 25	20 gm. arg. layer 25 micaceous layers	with iron stain layers							
595m	20 15	20 dk. gry. arg. layer 15 v.	arg. veinlet.							
600m	20	with dk. gry. arg. layers 20 t.								

Drill hole No. : MJZC-2
 Latitude :

Direction : (true north)
 Longitude :

Inclination : -
 Elevation :

(/3)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
600m		pinkish gry. QZT. -20' arg. layer rich.										
605m		dk gry. dol. Agt. sil. DM. with Bio. -20' arg. layer (20cm) sdy. Agt. gry. v. sdy. (Agt.)	Anhyd. diss Anhyd. small patch ~ lens.									
610m		-20' arg. layers whi. DM. -30' lamina whi. DM. micaceous -25' Bio. diss. layer gry. sdy. Agt. DM. parting (10cm) DM. parting (20cm)	Anhyd. lens (poor)									
615m		sdy. DM. gry. comp. hd. QZT. dk. gry. " 1/4" QZT" arg. QZT. -15' arg. layers whi. v. sil. QZT.										
620m		-15' arg. layers arg. QZT. comp. v. hd.										
625m		-20' v. comp. hd. w. sil. dk. gry. sdy. Agt. -20' thinly laminated (1mm order) -20' arg. layer cgs. arg. QZT. whi. anhyd. DM. -20' QZT with gen. arg. layer -20' h. gry. Agt. QZT interbedded arg. QZT. -20' arg. lamina gry. QZT. sil. DM. with conv. lamina	Dol. - Bio. veinlet Anhyd. lens ~ diss.									
630m		arg. QZT. -12' arg. layers arg. layers broken by cos. gritty QZT. anhyd. QZT. -15' gen. arg. layer -20' dk. gry. th. sdy. Agt. parting (10cm) -20' dk. gry. arg. QZT. with gradually arg. layer rich th. Bio. rich Agt. v. comp. -20' sdy. Agt. thinly laminated -25' f. dol. sdy. Agt. v. comp. hd. sil. dol. lamina -20' (1mm order)	str. Anhyd. str. Anhyd. diss ~ lens. Anhyd. spotted (1-2cm). py. w. diss. many th. arg. layers									
635m		arg. QZT. -12' arg. layers arg. layers broken by cos. gritty QZT. anhyd. QZT. -15' gen. arg. layer -20' dk. gry. th. sdy. Agt. parting (10cm) -20' dk. gry. arg. QZT. with gradually arg. layer rich th. Bio. rich Agt. v. comp. -20' sdy. Agt. thinly laminated -25' f. dol. sdy. Agt. v. comp. hd. sil. dol. lamina -20' (1mm order)	str. Anhyd. str. Anhyd. diss ~ lens. Anhyd. spotted (1-2cm). py. w. diss. many th. arg. layers									
640m		arg. QZT. -12' arg. layers arg. layers broken by cos. gritty QZT. anhyd. QZT. -15' gen. arg. layer -20' dk. gry. th. sdy. Agt. parting (10cm) -20' dk. gry. arg. QZT. with gradually arg. layer rich th. Bio. rich Agt. v. comp. -20' sdy. Agt. thinly laminated -25' f. dol. sdy. Agt. v. comp. hd. sil. dol. lamina -20' (1mm order)	str. Anhyd. str. Anhyd. diss ~ lens. Anhyd. spotted (1-2cm). py. w. diss. many th. arg. layers									
645m		arg. QZT. -12' arg. layers arg. layers broken by cos. gritty QZT. anhyd. QZT. -15' gen. arg. layer -20' dk. gry. th. sdy. Agt. parting (10cm) -20' dk. gry. arg. QZT. with gradually arg. layer rich th. Bio. rich Agt. v. comp. -20' sdy. Agt. thinly laminated -25' f. dol. sdy. Agt. v. comp. hd. sil. dol. lamina -20' (1mm order)	str. Anhyd. str. Anhyd. diss ~ lens. Anhyd. spotted (1-2cm). py. w. diss. many th. arg. layers									
650m		arg. QZT. -12' arg. layers arg. layers broken by cos. gritty QZT. anhyd. QZT. -15' gen. arg. layer -20' dk. gry. th. sdy. Agt. parting (10cm) -20' dk. gry. arg. QZT. with gradually arg. layer rich th. Bio. rich Agt. v. comp. -20' sdy. Agt. thinly laminated -25' f. dol. sdy. Agt. v. comp. hd. sil. dol. lamina -20' (1mm order)	str. Anhyd. str. Anhyd. diss ~ lens. Anhyd. spotted (1-2cm). py. w. diss. many th. arg. layers									

Sample No.	Depth (m)	T-Cu %	AS-Cu %	T-Co %	AS-Co %	Ni ppm	Zn ppm
IC 15150	638.29-638.62	<0.01	<0.01	0.01	<0.01	50	21
IC 15181	638.62-639.12	<0.01	<0.01	0.02	<0.01	42	17
IC 15162	639.12-639.62	<0.01	<0.01	0.03	<0.01	44	8
IC 15163	639.62-640.12	<0.01	<0.01	0.04	<0.01	48	18
IC 15164	640.12-640.62	<0.01	<0.01	0.03	<0.01	47	9
IC 15165	640.62-641.12	<0.01	<0.01	0.02	<0.01	59	12
IC 15166	641.12-641.62	<0.01	<0.01	0.03	<0.01	52	11
IC 15167	641.62-642.12	0.01	<0.01	0.03	<0.01	44	9
IC 15168	642.12-642.62	<0.01	<0.01	0.02	<0.01	45	9
IC 15169	642.62-643.12	<0.01	<0.01	0.03	<0.01	48	10
IC 15170	643.12-643.62	<0.01	<0.01	0.02	<0.01	42	10
IC 15171	643.62-644.12	<0.01	<0.01	0.02	<0.01	47	13
IC 15172	644.12-644.62	<0.01	<0.01	0.04	<0.01	45	12
IC 15173	644.62-645.12	<0.01	<0.01	0.03	<0.01	45	12
IC 15174	645.12-645.62	<0.01	<0.01	0.04	<0.01	45	13
IC 15175	645.62-646.12	0.05	<0.01	0.06	<0.01	39	11
IC 15176	645.12-646.62	0.02	<0.01	0.05	<0.01	48	8
IC 15177	646.62-647.12	0.05	<0.01	0.06	<0.01	41	9
IC 15178	647.12-647.62	0.07	<0.01	0.05	<0.01	39	10
IC 15179	647.62-648.12	0.29	<0.01	0.02	<0.01	42	10
IC 15180	648.12-648.62	0.47	<0.01	0.05	<0.01	41	18
IC 15181	648.62-649.12	0.14	<0.01	0.01	<0.01	32	18
IC 15182	649.12-649.62	0.46	<0.01	0.02	<0.01	43	33
IC 15183	649.62-650.07	0.49	<0.01	0.03	<0.01	47	27

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(14)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
650m	15' dk. grn. sdy. AgL v. comp. hd	dot. lens-concretion with sdy. gradual bk. silty AgLs. irreg. crystalline large dol.	Cp-Po, str. diss. along b-p. ~ spotted 651.50~ Cp large blebs/lens dominant Cp-Po. irreg. Qz (dol)-Cp-Pa veinlet. patch with Cp-Po.									
655m	15' dk. gry. arg-DM. congl. mica layers crystalline dol-concretion	15' dk. gry. dol. AgL massive	Cp-Po irreg. bleb-lens: parallel to b-p. with Cp-Po in arg-DM.									
	25-35' arg-DM laminated thinly		Cp-Po patch & lens. Cp-Po diss. Anhyd. lens in bottom of DM.									
660m	CGI. Bio. rich. Pebble: chert, bk sdy. r. altered granite	Bio. rich in top of QZT. arg-QZT. 20' arg-layers	silicified. Anhyd. in matrix									
	micaceous QZT mica layers		Anhyd. rich									
665m	10' dk. gry. cas.-medi. QZT. Bio. rich. with arg-layers											
	15' dk. gry. arg-layer rich pinkish QZT.											
670m	15' iron-stain layers pink QZT with Bio.											
	15' dk. gry. arg-layers congl. lamina, arg-layers											
	25' dk. gry. arg-layers dk. gry. arg-QZT.											
675m	25' arg-layers											
	gry. sil. altered hd. CGI.		Anhyd. patch									
680m	pebbly QZT partly with gneiss pebble											
	rounded chert pebble > granite, QZT. pebble		all silicified pebbles									
685m	pink silicified Feldspar? rich.											
690m			v. str. silicified, v. hd.									
			Biotized pebble rich oxidized pebble rich.									
695m			Anhyd. patch									
	pebbly QZT. with pale gm. clayey pebble		str. Bio.									
700m												

Sample No.	Depth (m)	T-Cu %	AS-Cu %	T-Co %	AS-Co %	Ni ppm	Zn ppm
IC 15184	650.07-650.57	0.28	<0.01	0.02	<0.01	38	22
IC 15185	650.57-651.07	0.36	<0.01	0.03	<0.01	38	23
IC 15186	651.07-651.57	0.64	0.01	0.02	<0.01	37	31
IC 15187	651.57-652.07	0.65	<0.01	0.03	<0.01	38	97
IC 15188	652.07-652.66	0.58	<0.01	0.05	<0.01	52	115
IC 15189	652.66-652.83	1.62	<0.01	0.07	<0.01	45	139
IC 15190	652.83-653.33	0.83	<0.01	0.05	<0.01	45	139
IC 15191	653.33-653.83	0.49	<0.01	0.02	<0.01	28	115
IC 15192	653.83-654.33	6.88	0.02	0.12	<0.01	70	335
IC 15193	654.33-654.83	0.73	<0.01	0.04	<0.01	37	45
IC 15194	654.83-655.33	1.02	<0.01	0.05	<0.01	33	56
IC 15195	655.33-655.83	3.13	<0.01	0.21	<0.01	40	149
IC 15196	655.83-656.33	1.00	<0.01	0.09	<0.01	37	51
IC 15197	656.33-656.83	0.83	<0.01	0.10	<0.01	35	55
IC 15198	656.83-657.33	1.03	<0.01	0.21	<0.01	60	51
IC 15199	657.33-657.83	0.77	<0.01	0.09	<0.01	33	39
IC 15200	657.83-658.33	0.37	<0.01	0.03	<0.01	32	30
IC 19784	657.33-658.25	0.07	<0.01	0.04	<0.01	22	24
IC 19785	658.25-658.43	0.45	<0.01	0.03	<0.01	29	28
IC 19786	658.43-658.51	0.21	<0.01	0.12	<0.01	30	21
IC 19787	658.51-659.01	<0.01	<0.01	<0.01	<0.01	27	12
IC 19788	659.01-659.51	<0.01	<0.01	<0.01	<0.01	28	13
IC 19789	659.51-660.01	<0.01	<0.01	<0.01	<0.01	23	13
IC 19790	660.01-660.51	0.01	<0.01	<0.01	<0.01	23	11
IC 19791	660.51-661.01	<0.01	<0.01	<0.01	<0.01	26	22
IC 19792	661.01-661.51	<0.01	<0.01	<0.01	<0.01	30	20
IC 19793	661.51-661.97	<0.01	<0.01	<0.01	<0.01	18	18

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(15)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
700m	10' ang. layer 55' v.	pebbly QZT.	Anhyd. veinlet.							
705m	CGl. pebble 1-5cm with altered gneiss peb. pinkish gry. QZT.		whitish clayey altered pebbles v. str. silicified.							
		whitish altered QZT. v. hd.	iron-stain layers							
710m										
			iron-stain layers							
715m		with Bio.								
		15-20' iron-stain layer								
720m										
725m	brown oxi.-altered CGl. 20' sdy. layer with granite peb. pinkish gry. QZT.		v. hd. oxidized.							
		10' v. pebbly QZT	gyp veinlets (2cm ±)							
730m		granule CGl.								
		10' b. ang. layer CGl. pebble of altered granite Biotitized rock QZT	whitish-pale gm. clayey altered pebbles Bio. - Anhyd. str. diss.							
735m		pebbly QZT gry-pinkish gry.								
740m		pinkish gry. sil-alt. QZT v. hd.	v. str. silicified.							
		gryish white v. hd. QZT.	iron-stain w- diss.							
745m										
750m										
		45' v.	pink Dol. veinlet							

Drill hole No. : MJZC-2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(16)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
750.2		QzT granule CGl. with pale gm. clayey frng. pink QzT v. sil-altared v. comp. mass. hd.								
760		15" iron-stain lvs. layers gry. QzT	with brown oxidized Qz. grains							
770		20" iron-stain layers								
780		whitish gry. clean QzT. with iron-stain diss.	oxidized dot poor							
			with brownish oxidized Qz. spot							
		white-gry (spotted) clean QzT with iron-stain diss.								
		50" v.	Dol. veined (1cm)							
		pink alt-granite boulder								
790		15-25" iron-stain layers								
			Bio. str. diss.							
		Pinkish gry. CGl. sil-alt. Granite pebbles, dk. yol. mica-Asph? pebbles (fens) dk. gry. Bio-Qz matrix.	subangular, v. silicified.							
		pink-whi. silicified crystals (Qz, Feld.?) rich. in gm. clayey matrix.								
		pink sil-alt. Granite boulders chert angular pebble (rare)								
		whi. massive altered rock consist of Qz >> Hica	v. str. silicified.							
800										

Drill hole No. : MJZC- 2

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(17)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
800		sil - altered mass. rock + gradual change + indistinct holocrystalline + recrystallized to Qz, Bio + white - grey + altered Granite + ← 35' v. + ← 30' v. + + feldspar replaced by Qz + holocrystalline tex.	Qz - Mica recrystallized Anhyd. veinlet Anhyd. veinlet Bio. partly concentrated							
810.00										
820										
830										
840										

Drill hole No. : MJZC-3

Direction : — (true north)

Inclination : -90°

Latitude : 12°44'40" S

Longitude : 28°07'20" E

Elevation : 1213.2 m

(/)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
0m	L	« Cuttings »								
	L	reddish brown clayey LATERITE								
5m	L									
	L									
	L									
10m	L									
	L									
15m		brownish gray ~ pale olive gray clayey SHALE/AGL								
20m										
25m										
30m		brown ~ gray arenaceous SH. coarse ~ medium								
35m		olive gray clayey SHALE/AGL								
40m		brownish gray fine arenaceous								
		olive gray clayey SHALE/AGL								
45m										
50m										

Drill hole No. : MJZC-3

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(2.)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
50m		olive gray clayey SHALE/AGL										
55m												
60m		brownish olive gray fine arenaceous SHALE										
65m		brownish gray weathered medium arkose SANDSTONE										
70m		coarse medium										
75m		coarse, light brown medium w. clayey with feldspar										
80m		coarse brown, medi. ark. SS										
85m		pale olive gray aren. SHALE with feldspar										
		gray fine medi. SS small feldspar rich	fine py. diss.									
90m		lost water circ. Non Cuttings										
		white DOLOMITE	f. py. diss.									
95m		greenish gray sandy dolomite ARGILLITE										
			py. v. w. diss.									
100m												

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(3)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
100m		whitish gray DOLomite								
		← 55° b Coring whitish gry v. comp. hd DM	py. diss.							
105m		fractures (← 75°) core broken ← 65° b.	oxidized brown - cal. veinlets							
		← 60° dark gm. - gry. AGl. comp. calcareous lamina rich with water-escape str. (photo)	oz. veinlets (← 45-50°) cal. irreg. veinlets py. diss. along b-p. partly							
110m		← 55° b with dolomitic part								
115m		dol-AGl	cal. irreg. patches							
		dol-AGl								
120m		← 60° black SHALE carbon rich ← 55-60° b	calcareous dot - veinlets py. diss. along b-p. partly oz. veinlet - band (← 60°) in AGl. py-oz/py - carb. bands (1cm ±) ← 55-60°							
		gryish dol-AGl v. comp. hd.								
125m		black SHALE v. comp. hd. ← 60° b	py-Hem bands (1cm ±) rich, ← 60° branching from py band to H-W (photo) boudinage of py band							
		← 70-85° dark gry laminated SHALE								
130m		black SHALE	py-dol. bands (0.5mm ±) rich, ← 60-70°							
135m		← 70° b dark gry. sdy. laminated SHALE v. comp. massive, hd.								
		← 75° b								
140m		← 60° b black SHALE comp. hd.	py-(dol) bands rich ← 55° irregularly deformed							
		← 70° b								
145m		with gry. sdy. part	irregular py-oz veinlets (0.5-1cm)							
150m		← 55° b								

Drill hole No. : MJZC-3

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(4)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
150m ⁹		gry. sdy. laminated SHALE	py. thin bands/irreg. film/blebs							
		← 55° b								
		← 50°								
155m		Whi. sil. DM. Comp. massive. hd.								
		← 65° b								
		← 60° b								
		← 60° sheared clayay								
		with arg. layers	py. diss.							
160m		← 45° b	py-Qz veinlets							
		← 55° b. dark gry. black SHALE	py-Qz thin bands rich ← 55°							
		← 35° b								
165m			py. diss. silica veinlets ~ bands							
		white (colorless) Qz								
		largely crystallized Qz.	Qz vein							
170m										
		← 30° white irregular mixture of carbonate (cal?) part & cherty part	py (large crystal) diss.							
		white siliceous DM	irregular siliceous lens contained							
175m		white-grn. A.G.L.	strongly silicified							
		← 65° b. v. comp. hd.	irreg. silica lens rich							
		← 70° b								
		irreg. mix. of carb-silica whitish altered AMP	GABBRON gen. altered Ho. rich white altered matrix							
		← 60° gm. A.G.L.	v. strongly silicified							
		← 50° b. gm. muddy sil. DM. v. comp. hd.	py. small spot rich							
		← 30° qmngy arg. layer & silica layer (2-3cm)								
185m		← 35° gry. silica layer (2cm)								
		← 65-70° b								
		← 40° b. thinly laminated	irreg. silica lens contained							
190m										
		siliceous - muddy parts irregularly mixed	py. diss							
		white massive LIMESTONE								
		largely crystallized cal. sheared clayay (20cm)	oxidized brown, weathered limonite filling cavity							
195m										
			oxidized, vuggy limonite							
200m		arg. L.S.								

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(5)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
200m	10' b brown cherty r. micro folding									
205m	black L.S. water-escape str. laminated part broken		segregation cal-limo veinlets (cont)							
210m	blackish whitish greyish 45' muddy layers ang. L.S.		vuggy limo-cal. irreg. siliceous lens contained							
215m	white-gry. massive hd. L.S.		cal. veinlets (2cm ±) network with mafic minerals (mica?)							
220m	dark gm. massive, hd. altered GABBRO		carbonatized biotite rich							
225m			cal. films							
230m	v. comp. massive whitish-gmish.									
235m			cal. films							
240m	40-55° fractures									
245m	65' fr. slickenside Ho (gm. altered) rich 30' fr. slickenside 40' frs. slickenside		gm. clayey mafic m. & white carbonatized part							
250m	35° DM									

Drill hole No. : MJZC-3

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(6)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
250m		white crystallized massive DM	small vugs - limonite							
	4	pinkish white								
		dark grn. GABBRO	grn. clay - carb. (limo) irreg. films							
255m										
	1	20° boundary - limo. white comp. massive crystallized DM.								
		25° b. mdy. sil. sil-DM	small vugs - limo. diss.							
260m										
	2	55° sil-AGL dk. gry. 80° fr - limo.	brecciated							
265m		dark grn altered rock argillaceous? like basic r.	v. strongly altered (clayey & carb.) dolomite strong network with vugs - limo. whi. clayey altered crystals rich							
270m										
	5	40° whi. DM altered arg - r. basic?	vuggy veinlets rich							
	7	60° whi. DM.	whi. clayey altered crystals contained							
		75° 80° flow structure dark grn. clayey altered arg - r. basic?	whi. clayey altered crystals - porphyritic carbonate strong network							
275m										
	8	60° whi. crystallized 60° DM	limo. in vugs							
280m		55° b. mdy. lamina gry. sil-AGL whi. DM. vuggy	brecciated by carb. irreg. veinlets limo. in vugs							
	9	50° gry. sil-AGL 50° altered arg - r. basic? basic r. breccias	brecciated by carb. irreg. veinlets (soft sediments brecciation, water-escape structure) brecciation by carbonatization							
285m										
		whitish massive altered GABBRO	strongly carbonatized, micaceous							
290m										
	8	conglomeratic sil. pebble & dol. matrix v. sil-DM	v. strongly silicified fractured with limo. diss.							
		whi. crystallized DM.								
295m										
	2	35° b. mdy. layer whi. hd. sil-DM massive fractured DM.	v. str. silicified, limo. diss. in frs.							
300m										
		whi-gry massive DM.								

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(7)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
300m		v. comp. hd. massive v. sil - DM fractured finely, weakly irregularly	v. strongly silicified. limo. in fractures							
305m		30 fr. - dol. veinlet								
		50 frs.								
310m		25' b. mdy. layer								
		50' b. with arg. layers 80% hd. v. sil - arg - DM 40' b. lamina								
315m										
320m										
		50' olive gss. 35' sheared ACh	Dol. in fis (net)							
325m		white - 80% crystallized DM.	limo. diss in small vugs							
		45' fr. - slickenside 50' b. lamina								
330m										
		60' b. lamina brecciated fine DM.								
335m		clayey soft partly irreg. lamination (water escape ctr.) grayish - whitish massive DM.	limo. w. diss.							
340m		brecciated DM brownish oxidized clayey along fis. 70' fr. - slickenside 10' b. indistinct layer massive oxi - DM.	limo. diss. limo.							
345m		10' b dark grn clayey soft soly - ACh.								
350m		20' b coarse soly.								

Drill hole No. : MJZC- 3

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(8)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
350m ³	2	AGL DM parting, ggy. grn. clayey AGL.	stylolite							
	2	20' laminated DM 20' with arg. layers 70' limo. grn-gry clayey AGL. soft								
355m		20' lamina DM parting 20' lamina	grn. clay - mica in fractures							
	3	30' whi. massive DM								
360m ⁴		15' laminated grn-gry clayey AGL	small vugs							
	2	15' whi. massive DM comp. hd. sil-DM. partly								
365m		25 stylolites								
	4	arg-DM grnish gry. clayey	vuggy partly							
	4	whi. massive DM								
370m		20' lamina pale grn AGL whi. massive hd. DM.								
		arg-DM 15' with thin arg. layers								
375m		20' stylolites								
		10' 15' interbedded DM-AGL.	vuggy dolomite veinlets							
380m		25' grn. clayey AGL. with dol. layers								
		15' thin dol. layers dol-AGL. brownish white crystallized DM.	oxidized							
385m		arg-DM thin arg. lamina load cast str.								
	5	10' grn. clayey AGL.								
	6	whi. mass. hd. DM								
390m		15' dk. gry. clayey soft AGL.	micaceous py. diss.							
		10' laminated arg-DM								
		white massive DM. 20' thin arg. layers	small vugs							
		stylolite								
395m		whi. mass. DM								
	7	15' arg. parting (10cm)								
400m ⁵		dark gry AGL.								

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(9)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
400m		dk. gry. mass. AGL. micaceous	px. v. w. diss.							
405m		whi. mass. DM clastic								
410m		dk. gry. sdy. AGL. micaceous	dol-vugs							
415m		dolomitic partly laminated	small dol-vugs contained							
420m		15' irreg. arg-lamina								
425m		15' b. stylolites								
430m		whi. mass. DM								
435m		whi-gry. sdy. mass. DM with arg-lamina	small dol-vugs							
440m		grn-gry. dol-AGL micaceous								
445m		DM with arg-layers grn-gry AGL with thin DM layers 15' lamina								
450m		arg-DM with arg-layers 15' b. lamina 20' stylolite massive arg-DM	px. v. w. diss. small vugs lost water circ.							
455m		white fine, massive DM.								
460m		grn. dol-AGL 10' b. lamina 45' sheared fr. with dol-patch-layer	oxidized (weathered), limo. diss.							
465m		15' b. lamina	small dol-vugs							
470m		whi. mass. DM grn. dol-AGL 10' b.	small reddish dol-vugs							
475m		brownish arg-DM massive micaceous								

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(10)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
450m		dk. yellowish grn. micaceous ←5'b. dol-AGL. ←5'b. lamina	Dol. spots-layers							
455m		DM grn. dol-AGL. DM, pale grn. micaceous grn. AGL. v. micaceous pink crystallized DM ←10"	lost water circ.							
460m		grn. sdy. AGL with dol. layers/patch ←10"	micaceous (talose?)							
465m		←10" brown crystallized DM massive dk. grn. comp. sdy-AGL ←10" dolomitic	red Dol. small lens							
470m		with pink mass. cryst. DM partings (10-20cm) micaceous AGL ←5" pink-whi. mass. cryst. DM grn. sdy-AGL brownish mass. cryst. DM	Gyp. fill small cavity of DM							
475m		grn. AGL with Dol. spot ~ ←10" irreg. layer cross bedded gently ←5" b.	small Anhyd. spot contained Gyp film ~ layer ←10" Anhyd. spot rich							
480m		DM parting grn. AGL sdy. & mdy. part cross bedded gently ←5" b.	Anhyd.-Gyp (Dol) layer/lens/spot dominant							
485m		←5" b.								
490m		←10" b. DM-Anhyd. irreg. parting (40cm) grn. AGL sdy ~ clayey ←5" gentle cross bedding partly	micaceous Anhyd. dominant. irreg. lens & spot							
495m		whitish gry. mass. DM ←5" grn. AGL sdy-mdy. massive ← flat	Anhyd.-Gyp patches in DM Anhyd. irreg. lens Anhyd. lens.							
500m										

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(1)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
500m		gn. AGL								
		DM	Strong Anhydritization							
505m		gr. AGL with sdy(QZT) lens 5-b.	Anhyd. irreg. lens gyp. films							
		massive AGL								
510m		5-laminated sdy-mdy part.								
		5-b.								
515m		flat	Anhyd. lens. common							
		with sdy lens								
		5-b.	Anhyd. not contained							
520m		5-sheared fr.								
			Gyp. veinlets							
525m		interbedded thinly mdy-sdy bed (QZT) interval: 1cm± with dish structure								
		5-b.								
		sdly(QZT) part flat dominant								
530m		gn. AGL with sdy. lens	Anhyd. lens, rare							
		with sdy liquefied intrusion str.	Gyp-Anhyd veinlets, poor							
535m		flat lamination	BQ							
		flat laminated sdy-mdy AGL. pillar structure	Anhyd. veinlets (=flat)							
540m		interbedded sdy-mdy lamination interval: 5mm±								
545m										
		white massive hd DM "Cherty Dolomite"	Anhyd./silicified partly							
550m		5-gn. mass. AGL. "Marker Shale", with dol-spot								

Drill hole No. : MJZC-3

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(12)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
550m		5' grn. AGL 5' Gyp. veinlet greyish whi. massive DM. "Cherty DM"								
555m		with arg-layers	Anhyd. lens ~ patch							
560m		5' dk. ye. micaceous layers	Cu Mineralization 556.00 ~ 562.60 cp. diss. in Qz. veinlet / silicified part / DM / Anhyd. as v. small elongated blebs str. Anhyd. / silicification partly							
565m		flat lamina dk. gry. arg-DM / interbedded DM-AGL str. micaceous								
570m		conv. lamina. of micaceous arg-layer	Anhyd. patches							
575m		5' b. dol-qzose SS str. micaceous AGL parting with dol-layers v. hd. micaceous								
580m		interbedded AGL-DM-SS 5' b. black comp. hd. AGL brownish whi. oxi-DM. flat lamina								
585m		dk. gry. & dk. grn. v. comp. hd. AGL partings (30cm ±)								
590m		interbedded DM-AGL 5' b. pink-brownish white sil-dol-QZT "Upper QZT" v. hd. massive	oxidized. str. silicified							
595m		with arg-layers micaceous								
600m		5' b. with blk arg-layers 60° v. with blk mdy. layers	Qz veinlet (<1cm) oxi.							

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(13)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
600m		Upper QZT 10" arg. layers 5" dk. gry. hd. arg-dol-SS micaceous with DM partings										
605m												
610m		5" dol-SS 15" whitish gry. v.comp. hd. crystalline dol-QZT with mdy layers	v. str. silicified.									
615m		5" b.										
620m		5" b dk. gry. v.comp. AGl. 20" b. mdy. layer dk. gry arg-dol-SS 10" b. mdy layer micaceous DM parting with mdy layers 10" b. dk. gry arg-dol-QZT mdy layers rich "H/W QZT"										
625m		10" mdy layer										
630m		crystallized arg-QZT										
635m		10" b. dk. gry. v.comp. sdy-dol-AGl. dk. gry. laminated AGl. 8" v. "Ore Shale." 10" v. dk. gry massive dol-AGl. v. thinly laminated 5" b. sdy-dol-AGl. with dol-layers 10" b. 5" b. gry v.comp. hd. AGl. mdy-sdy laminated 5mm interval 5" b. dol-sdy-AGl.	Gyp-Hem veinlet (1cm) 635.1 ~ fine Py-(Bo) diss. Small dol-spot with rim of Py-Cp 636.0 ~ 636.70 v. fine Cp. diss. along bedding plane 636.70 ~ 638.30 dol-spot with Cp 638.30 dol-spot with rim of Mica-(Py) 640.80-642.60 dol-spot with Cp-Py Cp layer									
640m			f. Py. diss.									
645m			644.24 ~ 649.88, Cp-Py-Po diss. Cp: irreg. blebs along bedding plane									
650m		sdly-dol-AGl with mdy. layer conv. ln. 649.88 5" whi-gry. dol-SS	sil-dol-concretion/lens incl. Cp blebs Cp-Py-Po irreg. veinlets micaceous, py. diss.									

Sample No.	Depth (m)	T-Cu %	AS-Cu %	T-Co %	AS-Co %
KC 19701	632.47-632.66	<0.01	<0.01	<0.01	<0.01
KC 19702	632.66-633.13	<0.01	<0.01	<0.01	<0.01
KC 19703	633.13-633.63	<0.01	<0.01	<0.01	<0.01
KC 19704	633.63-634.13	<0.01	<0.01	<0.01	<0.01
KC 19705	634.13-634.63	<0.01	<0.01	<0.01	<0.01
KC 19706	634.63-634.84	<0.01	<0.01	<0.01	<0.01
KC 19707	634.84-635.03	<0.01	<0.01	<0.01	<0.01
KC 19708	635.03-635.32	<0.01	<0.01	0.02	<0.01
KC 19709	635.32-635.61	<0.01	<0.01	0.02	<0.01
KC 19710	635.61-635.94	<0.01	<0.01	0.03	<0.01
KC 19711	635.94-636.31	0.80	<0.01	0.02	<0.01
KC 19712	636.31-636.81	1.16	<0.01	<0.01	<0.01
KC 19713	636.81-637.31	0.34	<0.01	0.02	<0.01
KC 19714	637.31-637.81	0.05	<0.01	0.01	<0.01
KC 19715	637.81-638.31	0.06	<0.01	0.01	<0.01
KC 19716	638.31-638.81	0.02	<0.01	0.01	<0.01
KC 19717	638.81-639.31	<0.01	<0.01	<0.01	<0.01
KC 19718	639.31-639.81	0.01	<0.01	<0.01	<0.01
KC 19719	639.81-640.31	0.02	<0.01	0.01	<0.01
KC 19720	640.31-640.66	<0.01	<0.01	0.01	<0.01
KC 19721	640.66-640.84	0.02	<0.01	0.02	<0.01
KC 19722	640.84-641.34	0.02	<0.01	0.03	<0.01
KC 19723	641.34-641.84	0.03	<0.01	0.03	<0.01
KC 19724	641.84-642.26	0.06	<0.01	0.03	<0.01
KC 19725	642.26-642.79	0.30	<0.01	0.03	<0.01
KC 19726	642.79-643.29	0.01	<0.01	0.03	<0.01
KC 19727	643.29-643.80	0.01	<0.01	0.03	<0.01
KC 19728	643.80-644.31	0.11	<0.01	0.08	<0.01
KC 19729	644.31-644.74	0.80	0.01	0.09	<0.01
KC 19730	644.74-645.24	1.09	0.01	0.06	<0.01
KC 19731	645.24-645.72	0.22	<0.01	0.05	<0.01
KC 19732	645.72-646.23	0.42	<0.01	0.05	<0.01
KC 19733	646.23-646.73	0.78	<0.01	0.04	<0.01
KC 19734	646.73-647.23	0.55	<0.01	0.07	<0.01
KC 19735	647.23-647.73	0.45	<0.01	0.06	<0.01
KC 19736	647.73-648.23	2.61	0.04	0.27	<0.01
KC 19737	648.23-648.73	1.38	0.01	0.12	<0.01
KC 19738	648.73-649.23	0.92	<0.01	0.20	<0.01
KC 19739	649.23-649.73	1.32	0.01	0.11	<0.01
KC 19740	649.73-649.84	1.62	0.02	0.31	<0.01
KC 19741	649.84-650.13	0.02	0.01	0.23	<0.01

T-: Total, AS-: Acid Soluble

Drill hole No. : MJZC-3

Direction : (true north)

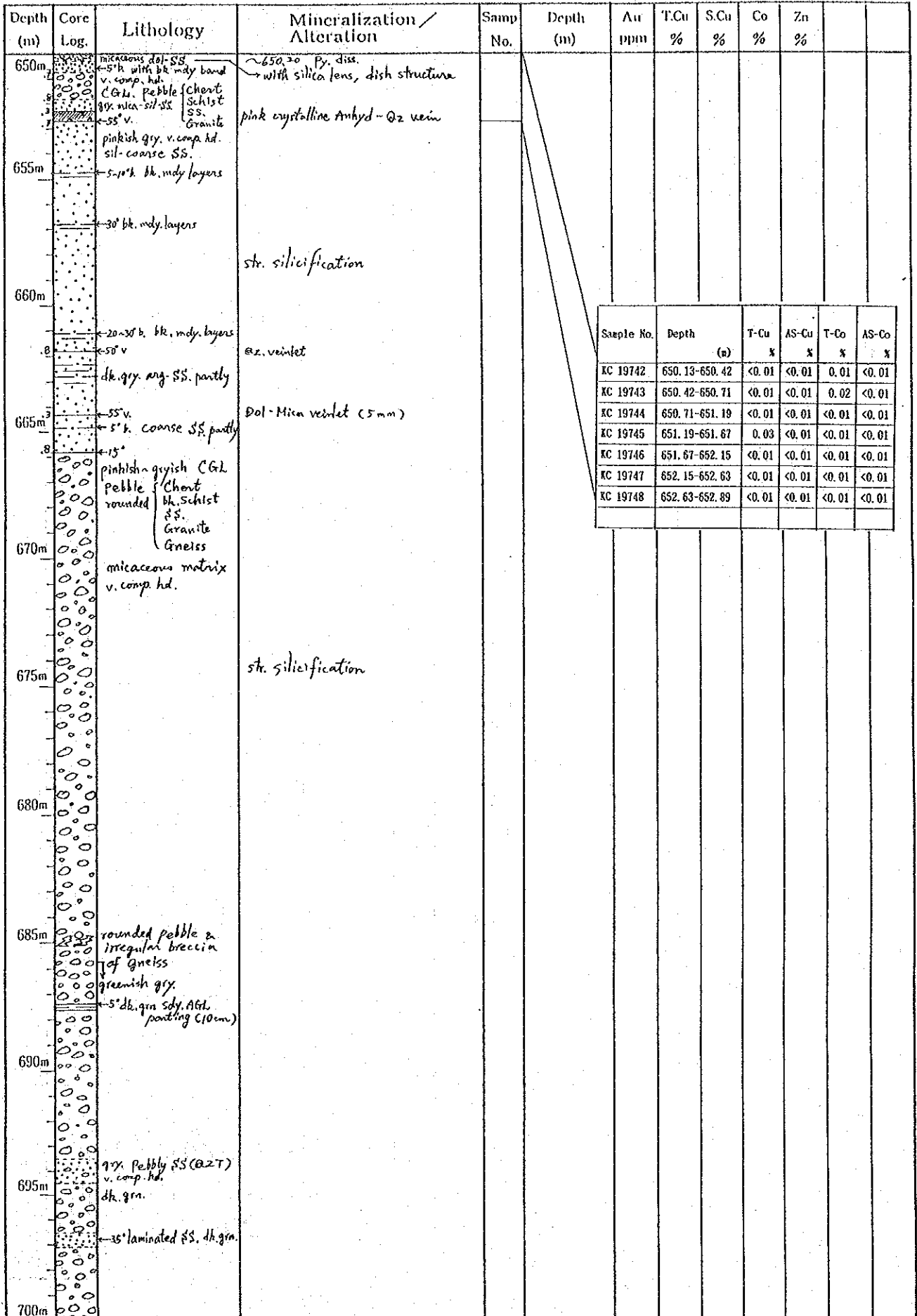
Inclination : -

Latitude :

Longitude :

Elevation :

(14)



Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(15)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
700m		← 20' laminated ss (QzT) pebbly pale grn. v. sil. pebble (AGL) dominant										
705m												
706.84		gray QZT, v. comp. hd. ← 20' bh, iron stain films « Jammed »										
710m												
715m												
720m												
725m												
730m												
735m												
740m												
745m												
750m												

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

Re drilling (Wedging)

(16)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
600m										
605m										
610m										
615m										
620m										
625m										
630m										
635m										
640m		« Wedging »								
7		dk. gry. mass. comp. A&L								
5		gry. sdy. med. laminated A&L. v. comp. hd.	py-(Cp) diss. dolomite spot with py-Cp rim.							
645m		gry. comp. hd. dol. A&L. 37% veinlet	644.70 ~ 649.70 Cp. rich, elongated blebs along bedding p. z. Qz-Cp-py. irreg. veinlet							
		convolute lamination ← 15°	boudinage, load str.							
		sil. dol. lens spot incl Cp								
650m		10° gry. ss. laminated								

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(17)

Re drilling

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
650m	5' ss. with dol. & arg. part CGk, pebble granitic r. indistinct chert 5' ss. v.	Py. disc v. silicified Qz-Anhyd. vein								
655m	5' sh. arg. layer pinkish gry. QZT v. comp. hd.									
660m	5' sh. gry. arg. layer micaceous									
665m	25' sh. arg. layer 50' v.	Qz. vein (10cm)								
670m	50' v. 60' v. 70' v. 80' v. brownish gry. CGk comp. hd. pebble granitic r. 5' ss. v. sh. schist Chert Gneiss?	cal. veinlet Qz. (cal.) vein Qz-Anhyd. veinlet (2cm)								
675m	50' v. 80' v.	irreg. Anhyd. veinlet Qz. veinlet (0.5cm)								
680m	70' v. largely crystallized Granite pebble Gneiss pebble Chert pebble brownish granitic? peb.	Qz. veinlet (0.5cm)								
685m	50' v. dk. gry QZT. matrix pebbly QZT dk. gm. v. comp. hd. CGk.	Anhyd. vein (10cm) Qz-Anhyd. irreg. veinlets								
690m										
695m	S.S. S.S. pale gm. AGL pebble predominant	pink (cal. spot poor)								
700m										

Drill hole No. : MJZC- 3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(18)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
700m			carbonatized AGL pebble & silicified matrix (QZT)							
705m		whitish sil- CGk	v. silicified.							
	← 15'	gry. comp. v. hd. QZT	iron stain layers like lamination v. str. silicification							
710m			Gyp. irreg. film							
			iron stain layers (← 20-25') & diss.							
715m		pinkish whi. QZT.								
			carbonate film							
720m										
	← 5'	gry. v. comp. hd. CGk gneiss, granitic v. pebbles	str. silicified.							
725m		← 55' fr.								
		pebbly QZT								
730m		← 40' sheared fr.								
		← 55' sh. fr.								
		← 30' b. lamina (indistinct)								
735m		granule CGk gneiss chert schist	v. str. silicified. Anhyd. irreg. film, partly.							
		← 40' gm. arg. sdy. lamination								
740m		gry. micaceous QZT.								
		pebbly QZT.								
		← 30' b. lamina (indistinct)								
745m		← 40' b. cos. medi. lamina ← 60' v. micaceous.	Anhyd. veinlet (cum.)							
		← 30' b. laminated medium arg. QZT.								
750m										

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(19)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
750		grayish white QZT comp. hd.								
		35' h lamina (indistinct)								
		dk. gray arg-QZT with dol-patch								
760		35' h mdx. lamina								
		40' h dol-layers								
		60' v.								
		45' h arg-lamina								
		th. arg-layers								
		granule pebbly QZT								
		arg-QZT, dk. gray								
		45' h arg-layer dominant								
770		conv. arg-lamination								
		pebbly QZT								
		50' h lamina								
		50' v. granule CGT								
		45' v shered fr. pebbly QZT								
		50' h mica-lamina								
		40' v pinkish gray granule CGT								
		50' h v. comp. hd. with mica layers laminated								
780		50' h fr. dk. gray micaceous QZT								
		Granite block in QZT								
		pinkish gray Granite								
		pink QZ. feldspar cryst. ϕ 3-5 mm								
		whitish altered Gr.								
		30-55' v.								
		55' v.								
790		40' v.								
		30' v.								
		open cracks (1-5mm) with small cavity								
		45' v.								
		50-60' frs								
		40' v.								
		35' v.								
800										

Drill hole No. : MJZC-3

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(20)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %	
800	+	← 50 v grey. comp. hd. Granite pink feldspar - Qz. cryst & sum ± with Biotite, other mafic m.	Qz-Anhyd. veinlet (3 cm) silicified.								
	+										
	+										
	+										
	+										
	+										
	+										
805.04											

Drill hole No. : MJZC-4

Direction : — (true north)

Inclination : -90°

Latitude : 12°41'49" S

Longitude : 28°05'56" E

Elevation : 1234.2m

(/)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
0m	L	« Cuttings »								
	L	reddish brown LATERITE clayey								
5m	L									
	L									
10m	L									
	L									
15m		yellowish brown weathered clayey SANDSTONE								
20m										
25m										
30m										
		brown coarse arkose SANDSTONE								
35m										
		brown clayey medium SANDSTONE								
40m										
		yellowish brown clayey fine-medium SANDSTONE								
45m										
		yel. brown medi. SANDSTONE with feld. mica								
50m										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(2)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
50m		yellowish brown medium SANDSTONE with feld. mica								
55m		yellowish gray feldspathic with mica								
60m		lost water circulation Non Cuttings								
65m										
70m										
75m										
80m										
85m		white, fine QUARTZITE with thin arg. layer	↓ «Coring» px diss. blebs							
90m		convolute lamination 15' grey, soft arg. layer 0.2m	calcification - small vug							
95m		PM thin layer								
100m		olive gray ARGILLITE with thin QZT layer	px w. diss.							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(3)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
100m		greenish gray v. comp. hd. AGL	calcitisation px. w. diss. in fractures							
105m		← 15' b. load str. siliceous DOLMITE v. comp. hd. with thin arg-layer convolute lamination	px. diss along bedding plane							
110m		← 5-10' b. thin arg-layers convoluted	px. diss.							
115m		← 5-10' b. convoluted	px. blebs along bedding plane							
120m		← 10' b. white siliceous DM								
125m		← 10' small sheared fr. clayey	f. px. w. diss. v. f. mica contained							
130m		sheared, soft clayey (20cm) convolute lamination	px. diss. along b-p.							
135m		with arg-layers small vug rich crystalline DM sheared	px. diss. along layer							
140m		white v. comp. hd. siliceous DM								
145m		with arg-layers ← 5' b. olive gray AGL with thin DM layers dark gray AGL v. comp. hd. with thin talc layer ← 10' b. AGL, laminated	dolomite irregular veinlets px. w. diss.							
150m		whitish gray dolomitic AGL. ← flat b. olive arg. beds	olive green soapy clay layer							
150m		gray SHALE								

Drill hole No. : MJZC-4

Direction :

(true north)

Inclination : --

Latitude :

Longitude :

Elevation :

(4)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
150m		dark gray-black SHALE, v.comp. hd. ←10" b.	px. diss. along b-p. dolomite veinlets px. bands (2-5mm) rich ←10" with brecciation, irregular veinlet							
155m		convolution lamination ←5" b.								
160m		white DM ≥ AGL (olive gry.) thinly interbedded comp. massive, hd. ←10" b. siliceous DM with arg-layers	dolomite veinlets, bands rich px. diss.							
165m		←5" b. conv. lamina whi. sil. PM, hd. fractured DM. ←5" b. olive gry. arg-partings interbedded DM-AGL (10cm ± order)	dolomite segregation veinlets cut convoluted silicified part (20cm) large px. crystals diss. partly							
170m		←10" b. DM > AGL								
175m		interbedded DM-AGL every 5-20 cm								
180m		many thin (5-10cm) Ho rich part (Gab?) contained, ←5" b. every 10-30 cm ↓ dolomite spot (1cm)	px. banded partly							
185m		←5" b. dark grn. ~ gry. AGL with calcareous thin layers & dol-spot								
190m		←10" b.	px. banded partly							
195m		←7" b. gmish gry AGL comp. massive cal cal	brownish cal. films ←5"							
200m		←10" with dol-layers								

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(5)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
200m		AGL. with dol-layers oxide in dol-layer								
205m		white comp. hd. DM with arg-layers								
210m		recrystallized DM pink-white comp. massive hd. with thin arg-layers								
215m		5' b. with arg-partings interbedded	calcite veinlets py. w. diss.							
220m		10' greenish gry. comp. hd. AGL.	calcite veinlets							
225m		7' white siliceous DM massive hd.	py. diss.							
230m		10' b. dark gry SHALE laminated	py-az. irregular veinlets							
235m		with dol-part 10' b. 10-15' whi. gry massive DM. with arg-layers conv. lamina dark gry SHALE dolomite AGL.	az-dol-py. veinlets							
240m		10' b. dark gry ~ black laminated SHALE	siliceous irregular bands/spot with bowdridge							
245m		10' b. gry. massive fine muddy DM.	silica spot contained py. w. diss.							
250m		whi. massive crystallized DM. shered, whi. clay 5cm greenish arg-partings	silica spot contained 10'							
250m		10' b. gry. arg-partings 20cm	reddish brown oxidized (weathering)							
250m			visiliceous (cherty) irreg. band, spot contained							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(6)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
250m		brownish white massive DM, with stylolite, siliceous spot contained								
253m		grayish gray arg-bed 20cm								
259m		white-colorless cherty	with irregular boundary of H/W & F/W, like veinlet							
255m		fractured DM with vugs oxidized	weathering along fracture							
		v. comp. hd. PH.								
260m		whi.-gy. DM	oxidized ↑ irreg. Qz vein (5cm) with vug							
		stylolite rich	Qz filling irregular brecciated part							
		← 5° b	fine py. thinly laminated							
265m		DM-AGL								
		← 20° b. thinly interbedded								
		← 5° b								
		white-gray arg-DM massive								
270m		stylolite rich	fine py. diss.							
		← 5° flat b								
275m										
			largely crystallized Qz (Cal)							
			irreg. veinlet with small vugs							
280m		← flat b.	oxidized (limo. diss) partly							
		sheared, oxidized gray fine, hard SS. dolomitic upper part	limonite, iron-oxide m. diss.							
285m		← flat, muddy layer	segregation Cal.-Hem. irreg. films							
290m		← flat b.	Cal. films							
		argillaceous hard SS								
		← 50° fractures with slickenside								
295m		fine hard SS massive								
		← 20° b. laminated indistinct	segregation Qz films							
300m										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(7)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
300m		gry. hard SS.								
305m		← 25' with muddy layers								
310m		← 20' muddy lamina.	v. strongly silicified							
315m		← 30' fractures — with	limo.-carbonate m.							
320m		← 60' fractures — with ← 30' flat. b. ← 60' medium coarse porosity	cal. films Carbonate m.							
325m		← flat like QZT partly	carbonate - mica veinlets, vuggy (network)							
330m		← flat								
335m		95% medium hard SS. muddy layer poor partly QZT.								
340m		← flat								
345m		← 50' fractures — with	Hem. (specularite), slickenside							
350m		gryish gry hard SS. ← 30-60' fractures with	slickenside							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(8)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
350m			dolomite films							
		25° with arg. layers								
355m		45° fractures with arg-hd. SS	slickenside							
		55° muddy laminae								
		50° fr-slickenside								
360m		50° fr-slickenside								
		gr. massive fine hard SS.								
		75° fr-slickenside								
		60° fr-slickenside								
365m		60° fr-slickenside								
		40° b. mdy. lamina								
		50° fr-slickenside								
370m		50° fr-slickenside								
		35° indistinct lamina								
375m		fractured arg. layers	az-Mica-Carb. irreg. veinlets (net work)							
		greenish gm fine hard SS								
380m		pale gm. v. comp. massive medium hard SS	az-Mica irreg. patches-films							
		45° lamina; poor								
385m		35° indistinct lamina								
		45° slickenside GAB								
		black, v. comp. hd. massive altered GABBRO 2mm ± crystals	white altered feldspar gm. altered mafic m.							
390m										
			Dol. films							
395m										
			Dol-Mica network							
400m										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(9)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
400m		black altered GABBRO								
405m			↑ Dol.-Py. veinlets (network)							
410m		veinlets ← 5° vein-slickenside	↓ Dol. veinlets Dol.-Mica vein (wd. 5cm) Dol. veinlets (network)							
415m										
420m		white altered GAB white altered hd. SS gry. v. comp. hd. SS ← 5° sheared fr. irreg. mdy. lamina	↑ v. strongly silicified ↓ slickenside with gm clay m. Qz. irreg. veinlets							
425m		← 20° indistinct lamina hd. SS like QZT								
430m		white altered hd SS	↑ v. strongly silicified							
435m		Qz vein micaceous part irregularly contained ← 5° fr. gry. hd. SS. Whi. silicified rock	↓ ↑ v. strongly silicified Qz. irreg. veinlets							
440m			↓ Qz-Fe-oxide veinlet							
445m		← 60° vein pinkish CGL QZT pebbles φ 1-2 cm dominant micaceous matrix v. comp. hd.	pink-brownish oxidized irregularly silicified partly							
450m		dk. yellow, sdy. micaceous matrix rich with gm clayey matrix	Qz. irreg. veinlets							

Drill hole No. : MJZC-4

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(10)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
450m		grn - brownish C&L. with vuggy dol-clastics gry QZT								
455m		whi-gry altered rock 25' indistinct mdy. lamina 20' whi-gry QZT. 50' sheared fr. fractured	↑ silicified. ↓ v. silicified							
460m		30' indistinct stylolite? whi-gry QZT sil. hd. SS 35' b. mdy. lamina 65' sheared fr.								
465m		80' sheared fr. whi. v. sil 30' b. mdy. layer								
470m		grn. Agl. clastic grn. clayey massive brecciated	↑ Mica diss. carb. (dol.)-Mica-Qz, vuggy brecciated by alteration ↓ Anhydrite (spot-veinlet) grn. clay							
475m										
480m		35' b. laminated 40' lamina dk. gry. Agl. mdy. massive	Anhyd. patch-layer rich ↑ ↓ Anhyd. patch-veinlet contained							
485m										
490m		50' lamina								
495m		25' whi. mass. DM 35' layered interbedded DM-Agl. 20' b. grn. Agl. with dol-layers deformed lamina	Anhyd. patch contained in DM							
500m			Anhyd. veinlets							

Drill hole No. : MJZC-4

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(12)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
550m		dk. grn. sil-AGL	Dol-Anhyd veinlets							
7		5' whi. mass. DM	Py. diss in AGL & DM							
555m		dk. grn. dol-AGL, comp. hd. with dol-spot								
		20' irreg. lamina								
7		10' whi. mass. crystallized DM								
560m		5' pale grn. dol-AGL massive with thin DM partings (20cm)	Mica-py diss. in DM with white dol-dot Dol-Anhyd veinlets							
565m		whi. crystallized DM irregular parting grn. dol-AGL massive hd.	Mica in DM, Py. w. diss. Dol. irreg. patch dominant in AGL.							
7		25' b. lamina	Dol-Anhyd veinlets							
570m		Anhyd-Dol dominant	irreg. lens veinlet. Anhyd-Dol dk. yel. Mica diss. in DM							
		25' b. laminated dol-layers interbedded DM-AGL								
575m		DM parting (40cm) dk. yel. grn. v. micaceous genish gry. v. comp. hd. conv. lamina	micaceous Anhyd. veinlets (network)							
580m		conv. irregularly brecciated lamina - water escape structure with Anhyd. conv. 25' b. laminated sil-DM								
585m		dol-AGL irreg. lamina (conv.) broken by water escape gry. comp. hd dol-AGL veinlet	Anhyd. dominant Dol. dominant Mica-py. diss.							
7		45' lamina	588.40-588.70 Cp. w. diss. 588.70-588.90 Cp-py-Mica-Dol irreg. veinlet (0.5cm)							
590m		whi. comp. DM 25' b. lamina	Mica-py diss. partly (40cm) in DM 589.50-589.60 Dol-Mica-Cp-py irreg. veinlet (3cm)							
		gryish white comp. hd. Anhyd. rich DM 30' b. micaceous lamina	Anhydritization py. diss. strongly							
595m		thin bl. SHALE gry. dol-SHALE	596.00-599.30 @2-Py-Cp veinlets (network)-diss. silica spot includes Cp. diss.							
		dk. SHALE with silica spot - gry. SHALE, boudinage sil-AGL, gry. whi.	str. silicified, Py. diss.							
600m		30' lamination								

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(13)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
600m		sil-AGL gry. arg-DM massive	str. silicified							
605m		dk. gry AGL massive								
		pinkish whi. Anhyd-AGL?	↑ str. Anhyd. ↓							
610m		gry. micaceous AGL.								
			↑ str. Anhyd. ↓							
615m		grn AGL dk. yel. micaceous	↑ ↓ brecciated by Anhydritization							
		←35° dol-lamina massive AGL	↓ str. Anhyd. partly							
620m		dk. yel-grn. mica. ←25° dol-lamina	Anhyd. veinlets							
		←30° lamina								
625m		←15° dol-lamina dol-AGL micaceous grnish gry AGL. ←35° dol-lamina	↓ str. silicified partly (30cm)							
630m		grn. massive AGL	↓ str. Anhyd.-(Mica). large lens rich							
635m		gryish whi. DM massive with arg-layers whi. crystallized massive	Anhyd. patch-veinlet							
640m			irregularly Anhydritized							
		massive fragmental DM ←20°								
645m		grn. mass. AGL	Anhyd-Mica-(py) veinlets							
		dol-AGL whi. mass. arg-DM	↑ str. Anhyd.-Mica ↓							
650m		mass. brecciated								

Drill hole No. : MJZC-4

Direction :

(true north)

Inclination : --

Latitude :

Longitude :

Elevation :

(14)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
650m	DM ←25'	grn. mass. AGrl.	Anhyd, patch-lens, partly							
655m		dolomitic partly ←35' lamina indistinct dk. yel. micaceous dk. grn. argy. mass. soly-AGrl.								
660m		gr. arg-DM whi. anhyd-DM	str. Anhyd. - Mica							
665m		←25' b grn. dol-AGrl anhydritic micaceous anhyd-DM parting grn. massive micaceous AGrl with soly. (QzT) part ←30' b dol-layer	Anhyd. spot Py. diss. Anhyd. veinlets							
670m		grn. comp. hd. AGrl ←30' b sil-dol. layers ←60' v	Anhyd-Mica-(Py)-(Cp) veinlet							
675m		white micaceous DM. with grn. arg-layer clayey AGrl parting grn.ish gr. mass. AGrl	Anhyd. - Mica strong. Py. w. diss. Anhyd. - Mica patch-veinlet							
680m		whi. micaceous DM. ←20' b. grn-gr. mass. str. micaceous AGrl whitish gr. dol-SS. medium, soft	Anhyd. - Mica patch v. soapy clayey							
685m		whi. mass. DM. bracciated ←15' grn-gr. AGrl. p. ←25' b. lamina	str. Anhyd. - Mica							
690m		grn. AGrl. ←20-25' b dk. yel. micaceous - dolomitic lamina.	Anhyd. patch							
695m		←25' b. lamina. ←20' siliceous lens rich	Anhyd. lens rich, Py. w. diss.							
700m		←20' b. whi. DM. parting lamina dk. grn. soly. AGrl. ←20' b. lamina	Anhyd. - Mica. Anhyd. spot rich.							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(15)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
700m		conv. lamina sdy. AG-L. massive, micaceous	whitish gy. clayey, Anhyd patch py. w. diss.							
705m		with sil. sdy. layer dk. gm. mass. sdy-AG-L. micaceous								
708.66		sil. sdy. layer & micaceous layer	Anhyd, thin lens dominant py. w. diss.							
710m	Jammed	whi. sil. anhyd. DM. massive								
715m										
720m										
725m										
730m										
735m										
740m										
745m										
750m										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

Redrilling (Wedging)

(16)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
600m										
605m										
610m										
615m										
620m										
625m										
630m										
635m										
640m										
645m										
647.43		« Wedging » wh. mass. anhyd. DM dk. grn-gry. mass. AGW	str. Anhydritization							
650m		ang. DM.	Anhyd. spot predominant							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

Redrilling

(7)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Sample No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
650m	1	arg-DM. grn.mass. AGt.								
	2	whi. micaceous, sil-DM clastic								
655m		grn. sdy AGt.	Anhyd. patch							
		grn. dol-arg-SS.								
660m	1	DM?	str. Mica-Anhydritized							
	2	arg-DM.								
	3	micaceous clastic DM								
	4	20'k. yel. mica-layer laminated	str. Mica							
	5	arg-DM.								
665m		30' yel. grn. mica-AGt.	Anhyd. veinlets							
		20' dol-sdy-lamina								
		20'k. mdy & QZTic layer laminated thinly	Anhyd. diss. lens							
670m		dk. grn-gry AGt.	silicified. fine py. diss. along bedding plane							
		with QZT layers	Anhyd. veinlets							
		20' arg-DM.								
675m		15' anhyd-DM. massive								
		whi. DM with Ho. hybrid?								
		arg-DM. broken mdy layer	-water escape structure							
		arg-DM. with Ho.								
		whi. mica-DM. clastic								
		20' AGt. parting, sdy.								
680m		dk. grn-gry sdy-dol-AGt.	Anhyd. lens. py. diss. irreg. Qz. veinlet.							
		20' massive								
		whi. micaceous w-sil-DM.	Anhyd. lens rich							
		irreg. vein	Qz-(Anhyd.) vein							
		dk. grn. AGt. parting								
		sdly-DM. gry.								
685m		clastic sil-DM massive								
		20'k. sdy-AGt. parting	py. diss.							
		DM with Ho. hybrid?								
		clastic. mass.	Anhyd. spot rich							
		mica-sil-DM.								
690m		20'k. dk. grn. sdy-AGt.	Anhyd. patch							
		with dol-part								
695m		dol-anhyd-AGt.	Anhyd. lens crystallized lorgaly							
		siliceous layer in AGt.								
		15'k. dk. grn. laminated sdly-AGt.								
		15'k. lamina anhyd-mica-sil-DM	Py. w. diss.							
700m		dk. grn. sdy-AGt.	Anhyd. lens rich.							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(18)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
700m		←20' b. lamina gry. soft, coarse micaceous arg-SS. @20se	Py, w. dis. Anhyd. patch							
705m		←25' QZtic layer medium SS. QZtic layer gryish arg-SS ←20' laminated mica-arg-layer								
710m		whi. mass. sil-anhyd. DM. ←20' b. gryish gry. med. SS. with mica. pale gm. arg-SS. dol-SS.	Anhyd. spots lens. rich Anhyd. lens rich							
715m		←20' micaceous layer ←20' laminated mica layer dol-anhyd. partly dk. gry. cos. arg-SS. with dol-spot								
720m		←25' laminated dk. gm. medi. mica-arg-SS.	Anhyd. patch							
725m		black st. mica-arg-SS ←25' gm. mica-DM. dk. gry. medi. arg-mica-SS. ←25' lamina bk. Bio. rich SS. dk. gm. mica-tremo? rich. whi. anhyd-sil-mica-DM. bk. Bio. rich SS	Biotite rich. Anhyd. patch Anhyd. lens. Anhyd. lens rich in DM.							
730m		←15' lamina comp. hd. cos. medi. @20se SS. with gm. arg-part. dk. gm. st. mica-SS. anhyd-mica-arg-w. sil- DM.	Anhyd. lens rich tremolite? rich.							
735m		←20' arg-@20se SS with silica dot lens whi. mass. anhyd-DM (spot) bk-dk. gry. v. hd. comp. str. Mica (Bio.)	tremolite? diss., Anhyd. rich.							
740m		←20' laminated arg-SS, with arg-layer. ←15' dk. gm. st. Mica arg-SS, clayey dk. gry. mica-arg-SS. Anhyd-DM, gm. AGz interbedded ←15' bk. mica-arg-SS.	Anhyd. patch							
745m		gryish gry. comp. medi. SS with Mica. arg-layer rich conv. lamina mica-arg-SS.	Anhyd. lens.							
750m		gryish, anhyd-DM. mica-SS. ←15' b. with gm. arg-layer	tremolite? rich. Anhyd. lens-spot Anhyd. patch - dis.							

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(19)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
750		greenish gray arg-ss interbedded conv. lamina with arg- layer. cos-fine gm. arg-ss.	Hematitization Anhyd. veinlet-patch							
		Anhyd. lens (20cm) conv. lamina gm. arg-ss interbedded with arg- layer. 10' interval - 1cm ± med. ss. with thin arg-layers	Anhyd. thin lens.							
760		th. mass. comp. mica-ss. gm. laminated arg-ss. 15' conv. lamina interbedded with gm. AGt 15'								
		gm. soft AGt. mass. with ss. layer irregularly 10' laminated	Anhyd. small patch							
770		whi. mica-anhyd.-DH greenish gray arg-ss with gm. arg-layer dk. gm. sdy-AGt. 10' with sdy. layer	Anhyd. patch pillar structure							
		whi. ss. parting 5' lamina whi. gray arg-ss gm. AGt. 5' interbedded with ss. thinly	Anhyd. patch							
780		whi. QZT ~ gray arg-ss gm. AGt. interbedded with ss. 10' lamina	Anhyd. patch							
		pale gm. sdy-AGt. dk. gm. ~ gray AGt. with cos. med. sand grain (grit) 15' laminated	Anhyd. patch							
790		10' whi. QZT parting (20cm) with sdy. part irregularly with QZT thin layer								
800										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(20)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
800		dk. gm. ggy. AgL. with irreg. Qtzic. SS.								
	5'	5' Qtz. parting								
		dk. gm. ggy. AgL. interbedded thinly with Qtzic. SS.	Anhyd. patch							
	5'	5'								
810		moly. lamina broken by irreg. sdy. part like	vein							
	10'	10'								
		dk. gm. sdy. AgL. mass.								
	7'	gm. ggy. micaceous. arg-SS. partly pebbly AgL.	w-sil.							
	10'	10'								
		whi. mass. w-sil-DM. "Cherty DM"	Anhyd - silicified partly							
	9'	9'								
820		10' lamina dk. gm. mass. AgL with dol-dot								
	3'	whi. mass. w-sil-DM. with arg-layer &	Anhyd. patch							
	10'	10' Anhyd. lens	Anhyd. lens							
		10' arg-anhyd. lens	Anhyd. lens							
		conv. lamina in DM with pale gm. irreg. arg-layer & siliceous irreg. lens	Anhyd. patch	826.50 ~ 832.2 ± small Cp-Py. diss.						
		30' lamina								
830		20' lamina pale gm. clayey arg-layer arg-DM	Anhyd. lens							
		sil-lens.	Anhyd. patch							
		conv. lam. dk. gm. mica-AgL (30cm)								
		dk. ggy. det. AgL								
		15' DM with arg-layer dk. ggy. sdy. AgL. BH-silica	with dish structure							
		dk. ggy. micaceous arg-Qtz. comp. hd. with sil-lens dol. layer 5' arg-layers	Anhyd. patch							
		sil-dol-spt-lens								
840		mica-arg-layer sil-layer dol-Qtz								
		10' bk. arg-layer dol-arg-lens 10' lamina arg-SS. with arg-dol-layer.								
		10' thinly interbedded BSE mica-arg-DM	Anhyd. lens							
		hd. micaceous SS								
		10' interbedded with AgL 1-2 cm order								
		whi. Qtz. interbedded with 10' thin dk. gm. mica-AgL								
850										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(2/)

Depth (m)	Core Log	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
850		whi. gry. QZT. conv. lamina 10'k lamina conv. la. 30'k. AGt. layer dol-SS with arg-mica- layers 10'k. arg-layer 15'k. arg-layer	conv. laminated							
		dol-SS. with mica-arg-byers								
		dk. gry comp. v. hd. sdy. SHALE dol-SS. conv. lamina 15'k DM parting (20cm) dk. gry comp. sdy. SHALE dol-mica-SS alteration of SHALE-dol-SS-DM	str. micaceous							
		10'k. with sdy. thin layers whi. sdy. mica-DM (95cm)	v. poor Anhyd. in DM							
		15'k. laminated sdy-AGt. dol-SS. (20cm) dk. gry-bk. SHALE v. comp. hd.	Py. diss. along bedding plane Sil-dol. veinlet Py. w. diss.							
		10'k. whi-gry. sdy. mica-DM. dol-SS								
870		whi. QZT, v. comp. hd. 12'k. arg-layer.	Py. w. diss.							
		whi. QZT "Upper QZT" with dk. gry. arg-layer 5'k.	Py. w. diss.							
		micaceous QZT.	Py. w. diss.							
880		5'k. dk. gry. arg-layer (2cm) 10'k. mica-arg-layers dol-mica-QZT. 15'k. arg-layers arg-SS. with dol-patch 10'k. mica-AGt. parting (20cm) dk. gry-grn. gry dol-SS	Anhyd. small spot							
		10'k. lamina dol-SS.								
890		dk. grn-gry arg-dol-SS. whi. sdy. DM parting (30cm) grn.ish gry. comp. hd. SS-mica-arg-QZT.								
		10'k. lamina arg-dol-QZT.	Anhyd. lens-patch							
		15'k. arg-lamina.								
900		whi. gry. dol-QZT-AGt. 10'k. arg-layers	interbedded thinly.							

Drill hole No. : MJZC-4

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(22)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au	T.Cu	S.Cu	Co	Zn		
						ppm	%	%	%	%		
900	dol-QZT											
	dk. gry AgL parting (20cm)		Anhyd. lens									
	← 15' lamina											
903	gry. v. comp. hd. QZT. "H/W QZT" pinkish whi. partly		Anhyd. irreg. film (poor)									
	mica-arg-layers											
	← 80v. greenish gry arg-QZT		Anhyd. veinlet									
	← 15' gm. arg-layer rich											
910	greenish arg-QZT comp. hd. ← 15' gm. arg-layers		Anhyd. lens.									
	mod. cos. (gritty partly) QZT with Bio.											
	← 15' cos. arg-QZT (gritty)											
	← 12' dk. gm. arg-layers whi. QZT. with Bio.											
	gry granule C&L subangular subrounded v. silicified granule interbedded		Anhyd. filling matrix, silicified.									
	← 15' dk. gry. SHALE & arg. str. micaceous S.S.											
920	dk. gry. sdy-mica-AGL. comp. v. hd. mass.		Py. w. diss. with dol. along bedding plane									
	← 7' b.											
	gry. dol-sdy-AGL		Py-dol. thin lens dol. spot (1-2cm) including Py, with Py-Mica rim.									
	← 15' f. sdy-AGL. comp. hd.		Py-Mica diss. along b-p. Qz. veinlet.									
	micaeous sdy-AGL		925.40 ~: Po-Py. diss. along b-p.									
	← 10' b. dol-layers whi. sdy-AGL		927.60 ~: Po-Py (Cp) w. diss. Po lens with py-(Cp) ~931.60 : relatively high Cu									
930	whi. gry. mass. dol-AGL											
	← 20' v. gry. silty AGL.		Qz veinlet (30cm) with Cp, Po. blebs									
	← 15' b. dk. gry. SHALE		930.60 ~ 931.50 : Po rich - Cp - Py - Dol. thin lens									
	brownish gry. mica-AGL		931.50 ~ : Po > Py >> (Cp)									
	conv. lamina. load str. ← 15' b.											
	← 35' dk. brown str. mica-dol-AGL.		sil-dol-lens including Po-(Cp) in AGL. colorless Qz. vein with Po.									
	← 5' dol. parting (10cm) conv. dol. lamina											
	← 5' b. sheared bedding plane											
	gry. comp. hd. QZT with Bio. & whi. gry.		str. Po-(Cp) diss. in mica-QZT: ~938.60									
	← 15' arg-layer arg-QZT.		938.60 ~ : Py. w. diss									
940	clayey material contained											
	sd. mica-anhyd-dol-AGL dk. brown		Anhyd. patch									
	dk. gry. clayey. arg-QZT											
	whi. QZT		w. Anhyd.									
	gry. arg-QZT. arg-material rich											
950	← 20' arg-layer											

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(23)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
950		dk. gry. arg-QZT								
		← 10-50: v arg-material dominant	dol-veinlet with Cp (10cm) Cp. w. diss. ~ 953.50							
		← 30: b. arg-QZT								
		v. greenish CGls comp. hd. Ø 2cm	Anhyd. vein							
		pebbles v. cos. crystal Granite basic r. bkn. sh. schist	Anhyd. filling matrix							
960		cos. Bio, Qz, pale gm- altered feld? fragments	pale gm. clayey altered fragment predominant							
		← 10: mica diss. layer								
		small pebble	Anhyd. in matrix							
		↑ gradual v. sil. QZT pebbly top pinkish ~ dk. gry								
970		← dk. gry. mica-QZT	Qz. film.							
		← 35: v.								
		dk. gry. QZT.								
		partly str. micaceous								
		← 10: dk. gm. arg. layer								
980		↑ gradual v. sil. comp. hd. mica-QZT pinkish ~ dk. gry.	with iron-stain layers							
		pinkish gry. QZT with Bio.	with iron-stain dot							
		← 5: lamina								
		← 15: v.								
990		← 15: v.	Anhyd. veinlet (2cm) Bio. diss., Anhyd. spot.							
		← 20: pebble CGls with cos. cryst. Granite pebbly QZT								
		← 6: pebble CGls, pinkish.								
		← 15: lamina								
		Pebble CGls with Granite boulder	str. biotized pebbles.							
1000		pinkish gry. QZT.	partly oxidized, iron-stain dot, Cp, v. w. diss.							

Drill hole No. : MJZC-4

Direction :

(true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(24)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp. No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %
1000		pinkish gry. @ZT.								
		CG.L. pebble of granite, schist	str. Bio. Anhyd. in matrix							
		pebbly @ZT. str. micaceous								
		pinkish gry. @ZT.	iron-stain diss.							
		vicos. crystalline @ZT. partly.								
		10' dk. grn. arg. layers Bio. rich @ZT.								
1010		pebbly @ZT. with eos. cryst. granite boulders								
		pinkish gry. @ZT. whi. spot in gry part								
		1' dk. gry. str. micaceous (Bio.) pebbly partly	str. silicified.							
		gry-pinkish whi. @ZT. with whi. spot & Bio.								
1020		15' dk. gry. iron-stain	diss. layers.							
		20' iron-stain layers								
1030		15' iron-stain arg. layers pinkish gry. @ZT. comp. v. hd.								
		whitish gry. @ZT.	iron-stain diss.							
		15' dk. gry. layers (arg-?)								
1040		whitish gry. @ZT. poor mica, iron-stain	v. silicified							
		15' dk. gry. layers								
1050										

Drill hole No. : MJZC-4

Direction : (true north)

Inclination : -

Latitude :

Longitude :

Elevation :

(25)

Depth (m)	Core Log.	Lithology	Mineralization / Alteration	Samp No.	Depth (m)	Au ppm	T.Cu %	S.Cu %	Co %	Zn %		
1050 1051.00		pinkish grey arg. @ 27. comp. v. hd.										
1060												
1070												
1080												
1090												
1100												

2. COMPILATION OF PREVIOUS WEEK

MINERAL EXPLORATION SURVEY - CHAMBISHI SOUTHEAST AREA

GEOLOGICAL SURVEY

The area of land which hosts the Chambishi Southeast and Ichimpe deposits was first claim pegged in 1903 by an unknown gentleman. Later the area was held alternately by RST (Rhodesia/Roan Selection Trust) and Rhoanglo. It has also been termed Nkana North Limb. A summary of the work completed over the area from 1928-1952 was described by S. C. Maree in 1952 (?) in a draft bulletin filed as PG.21.06, (which was not located).

(a) Objective

To compile the Geological map of the area in order to select target areas for further exploration.

(b) Survey Area

Chambishi Basin area.

(c) Method of Survey

1 Aerial photography

2 Field traversing (checking outcrop, vegetation and soil mapping).

(d) Amount of Work

Area about 60 square kilometres.

(e) Results

Chambishi Mine Orebody outcrop (mined by open pit/underground before closure).

PITTING

- (a) Done between 1927-1929 - Pitting and trenching - Chambishi Mine itself
1952-1963 - Pitting and trenching by RST at Chambishi Southeast Area.

(b) Objective

To outline the contact between Lower Roan and Basement. Later extended up to Upper Roan across the Upper Roan/Lower Roan contact to clarify the extent of the Lower Roan.

(c) Survey Area/Amount of Work

Map showing the extent of the total area pitted not located. However, a total of 1365 pits at an average depth of 9.1m was dug.

(d) Method Used

Manual by pick, shovel plus a bucket.
Pit interval: approx 200m

Pitting (Cont'd)

(e) Results

Inconclusive due to deep weathering.

GEOCHEMICAL

(a) Duration

1953-1955 and during 1960. Soil sampling by RST (Rhodesia Selection Trust).

(b) Objective

To determine copper metal concentration in the soil. However analysis for Cobalt, Nickel, Zinc and Manganese were also carried out on a few selected samples.

(c) Survey Area

Total area covered not known, as the surface plan on which the analytical results were plotted cannot be located.

(d) Method

Soil, anthill, pit profile and auger sampling.

(e) Amount of Work

During the period under review, a total of 3169 samples from Chambishi Southeast and adjacent areas were submitted at the Analytical Laboratories for geochemical analysis. Of these, 2366 were soil/anthill samples while the rest were pit samples.

(f) Results

No significant values. (The majority of samples contained less than 100ppm).

GRAVIMETRIC

(a) Duration

1959-1963. Surveyed by Aero Service (Rhodesia Pvt Ltd), 45 Speke Avenue, Harare (Salisbury) Zimbabwe (Southern Rhodesia).

(b) Objective

To identify areas of Basement high.

(c) Survey Area

The total Chambishi Southeast area except a narrow strip of land along the eastern boundary line of the Chambishi Mining Licence area.

- (d) Method
Gravity meter type called WARDEN.
- (e) Amount of Work
Twenty-one lines with 2936 stations.
- (f) Results
Compilation of a 1/10,000 gravity contour map and line profiles.

MAGNETOMETER

- (a) Duration
1960-1962. Surveyed by C.J. Survey Ltd. Report not located but results available.
- (b) Objective
To locate magnetically anomalous bodies e.g Basic igneous bodies, magnetic mineralisation and magnetite veins.
- (c) Survey Area
Same as gravity (Gravimetric).
- (d) Method
Ground magnetic surveys by magnetometers (Types, not specified).
- (e) Amount
Same as gravity
- (f) Results
Anomaly zones do not correspond with geological map.

E. M.

- (a) Duration
1956, by Hunting Geophysics Ltd for the UNITED KINGDOM ATOMIC ENERGY AUTHORITY, LONDON. 1971, by McPhar of Canada for RST (No report located).
- (b) Survey Area
Chambishi Southeast and adjacent area about 600 km².
- (c) Method Employed
Airborne E.M.

(d) Results

- 1 Production a 1/25,000 E.M. map
- 2 Amphibolite/Gabbro distribution coincident with high anomaly areas.

RADIOMETRIC

(a) Duration

1971 by McPhar.

(b) Method

Air borne survey.

(c) Survey Area

No report located.

(d) Results

Most distinctive anomaly was attributed to the presence of amphibolite/Gabbro bodies. Map not located.

DRILLING

(a) Duration

Major drilling took place from 1950 to 1982 first by RST and later by RCM/ZCCM (Same company but change of names resulting from political changes and changes in the composition of shareholders).

(b) Objective

To determine the mineral potential of the area.

(c) Area

All Chambishi Southeast.

(d) Method

Mainly diamond drilling but a limited programme of machine auger drilling was carried in the early stages to provide deep samples for geochemical analysis.

(e) Amount

95 holes totalling approx 62,000 metres.

(f) Results

Geological resource of 289.87 million tonnes at 1.94% Cu of which 202.37 million contains 1.95% Cu and 0.08% Cobalt.

METALLURGY

(a) Duration

1982, by Crane and Degaleeson/ZCCM.

(b) Objective

To determine the response of the mineralisation to metallurgical test work.

(c) Area

Chambishi Southeast (Only from selected parts of the deposit).

(d) Method

Bulk floatation/mineralogical studies.

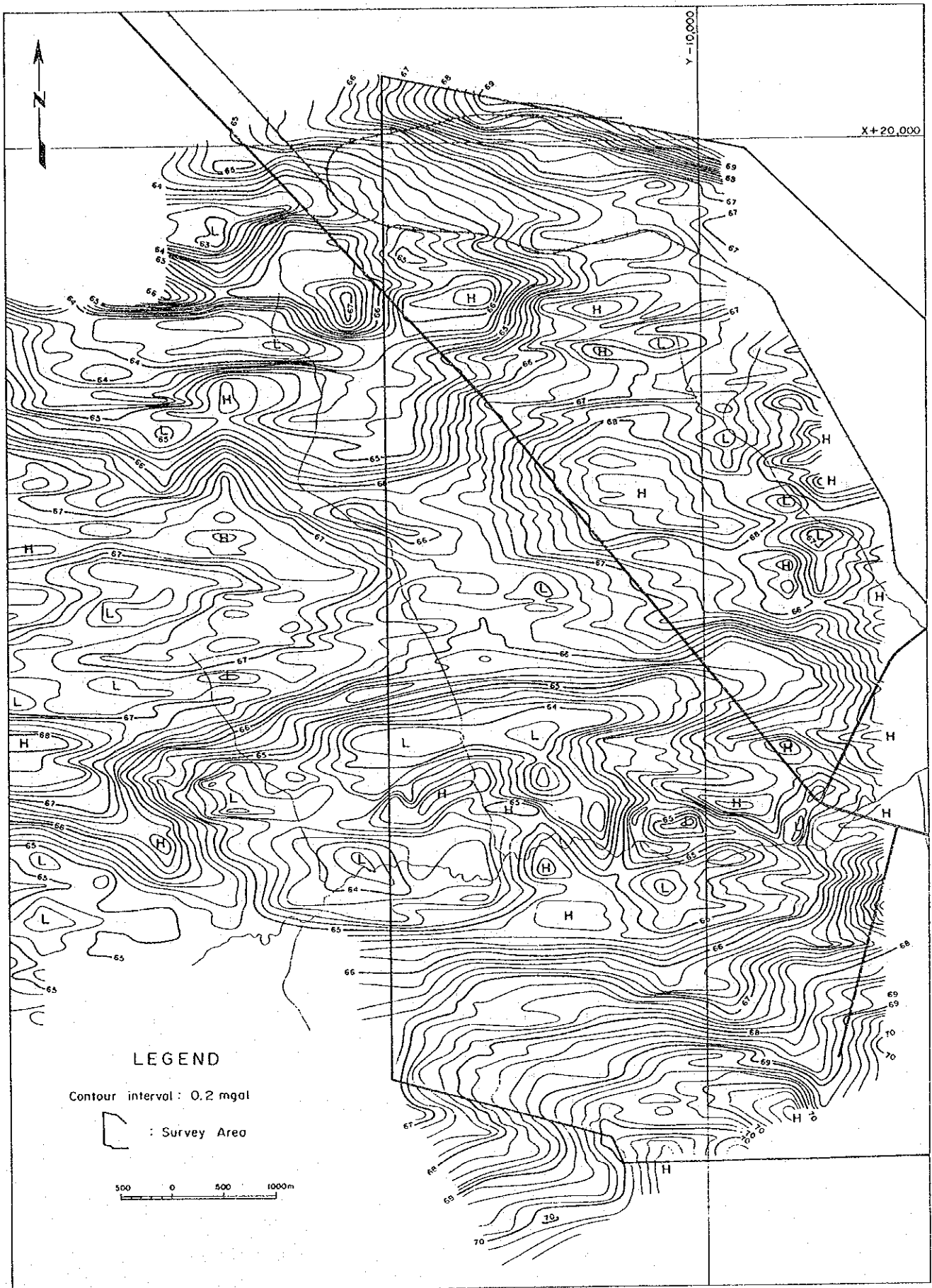
(e) Amount

Eight representative boreholes.

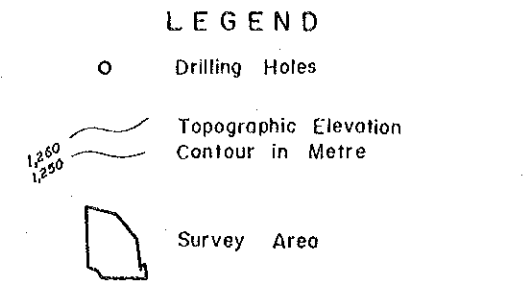
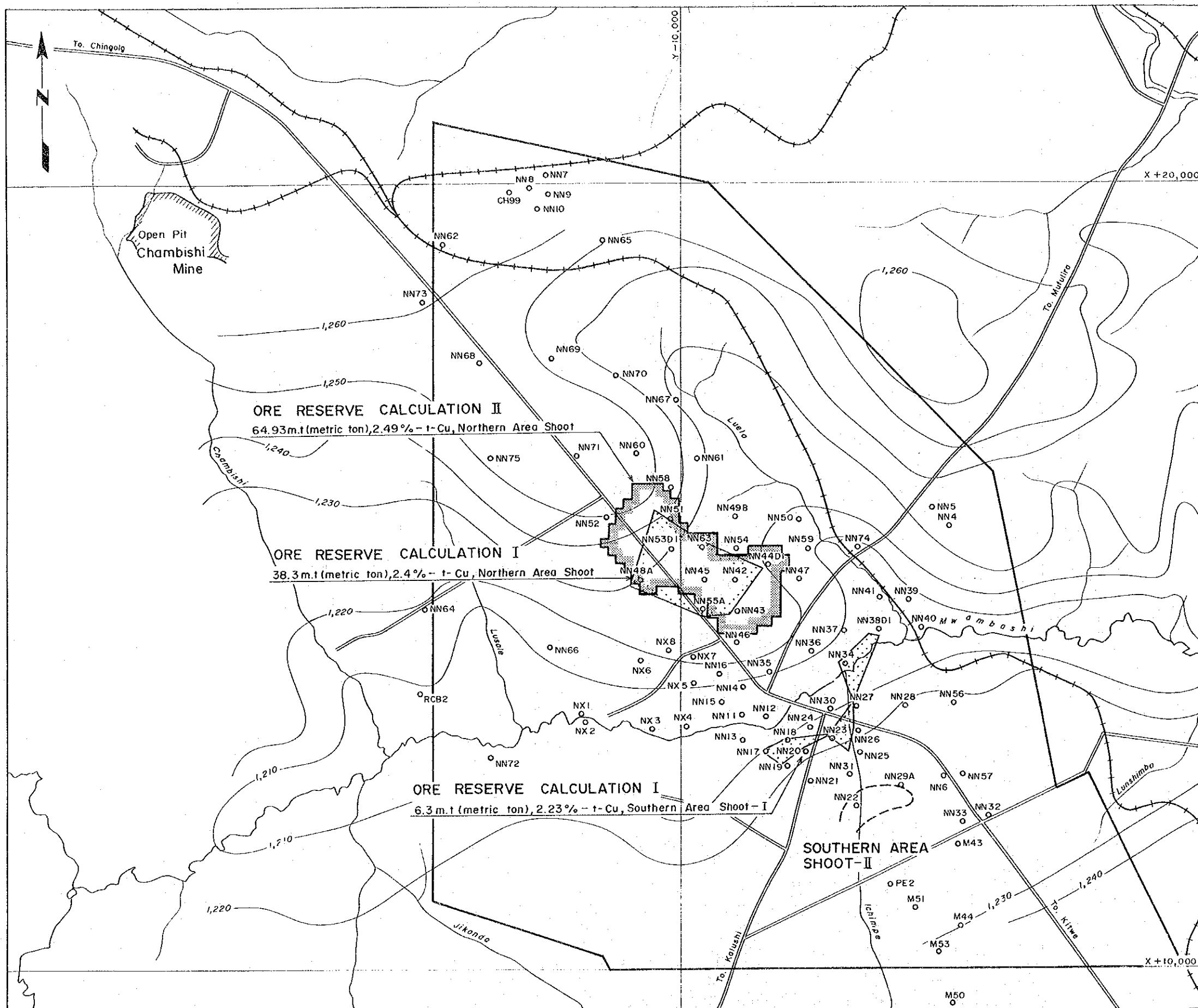
(f) Results

Copper recoveries of 95% and concentrates of grades ranging from 25% to 42% TCu.

25 January 1994



3. Gravity Contour Map



Northern Area Shoot

	True Thickness (m)	Total Cu%	Total Co%
NN58	22.92	2.21	0.09
51	14.21	2.68	0.06
48-B	4.67	2.07	0.02
53-D1	4.92	2.15	0.05
63	18.41	2.11	0.21
45	10.39	2.32	0.06
42	16.27	2.29	0.10
44-D1	15.90	2.86	0.18
55-A	3.02	2.04	0.04
43	12.02	2.93	0.09

Southern Area Shoot-I

	True Thickness (m)	Total Cu%	Total Co%
NN11	5.49	1.88	0.04
NN18	4.48	2.81	0.07
20	5.06	1.92	0.13
23	4.75	2.62	0.27
26	4.63	1.87	0.12
27	5.12	2.31	0.28
38-D1	3.90	2.98	0.01
40	9.78	2.17	0.04

Southern Area Shoot-II

	True Thickness (m)	Total Cu%	Total Co%
NN22	5.61	2.37	0.13
29	9.08	1.75	0.17

4. Ore Reserve Calculation Map

5. Existing Drill Hole Data (1)

HOLE NO.	TYPE OF HOLE	YEAR	CO-ORDINATES		COLLAR ELEVATION ASL IN METRES	INCLINATION	TRUE BEARING	TOTAL DEPTH IN METRES	MINERALIZATION		F / W ELEVATION ASL IN METRES	INTER-SECTION ANGLE	REC %	TRUE THICKNESS IN m	AVERAGE PERCENT			HORIZON / FORMATION	HOLE NO.	
			-Y	+X					FROM	TO					TOTAL OXIDE	Cu	Co			
DH1	DD		11740.90	19790.66			124.97	RECORDS NOT AVAILABLE											DH1	
DH2	DD		10162.03	19434.05			196.90												DH2	
DH3	DD		10174.22	19415.76															DH3	
NN4	DD	1950	6638.54	15547.85	NO RECORD	V	265.48	NO COPPER MINERALS RECORDED										NN4		
NN5	DD	1950	7789.98	15771.88		V	297.18											NN5		
NN6	DD	1950	6820.57	12420.25	1226.95	V	735.79	ABANDONED IN UPPER ROAN DOLOMITE										NN6		
NN7	DD	1958	11773.09	20133.96	NO RECORD	V	137.16	36.58	92.66									NN7		
NN8	DD	1958	11922.65	19972.89		V	235.61	120.46	125.27	1146.50	24°00'	96.8	1.93	1.10	*			NN8		
NN9	DD	1960	11737.01	19868.73		V	407.21	223.42	224.64	1042.00	40°00'	100	0.79	0.41	*			NN9		
NN10	DD	1960	11840.68	19781.08		V	416.05	243.84	274.32									NN10		
NN11	DD	1960	9206.52	13223.31	1192.85	V	553.75	504.75	512.98	685.00	87°30'	97.4	8.23	1.57	0.01	0.03	Cp, Bn SHALE/DOLOMITE	NN11		
							or	505.36	512.98	685.00	87°30'	97.2	7.62	1.64	0.01	0.03	*			
							or	507.49	512.98		88°00'	100	5.49	1.88	0.01	0.04				
NN12	DD	1960	8912.72	13193.45	1192.89	V	530.05	493.78	509.02									NN12		
NN13	DD	1961	9206.26	12886.33	1197.42	V	629.41	541.81	545.77	660.70	79°30'	100	3.87	1.40	0.01	0.12	Cp SHALE	NN13		
							or	542.12	544.66		79°00'	100	2.41	1.85	0.01	0.07	*			
NN14	DD	1961	9190.47	13556.04	1209.09	V	554.13	519.23	521.76	714.80	83°00'	100	2.50	2.75	0.06		Bn, Cp SHALE	NN14		
							or	520.29	521.76		83°18'	100	1.43	4.48	0.08	*				
NN15	DD	1961	9481.40	13359.55	1203.67	V	522.73	487.25	495.15	709.90	83°00'	100	7.86	1.27	0.01	0.03	Cp SHALE	NN15		
							or	487.86	492.86		85°00'	100	4.97	1.48	0.01	0.04	*			
NN16	DD	1961	9508.02	13733.93	1218.64	V	511.15	483.41	485.85	759.00	80°00'	100	2.41	0.81	0.01	0.02	Cp SHALE	NN16		
NN17	DD	1962	8915.58	12743.69	1206.95	V	657.76	573.48	577.44	635.00	67°30'	100	3.35	1.41	0.01	0.07	Cp SHALE	NN17		
NN18	DD	1962	8628.28	12888.62	1204.93	V	671.17	541.32	549.25		59°00'	98.8	6.80	2.43	0.05	0.05	Cp SHALE	NN18		
							or	544.28	549.25		64°24'	98.2	4.48	2.81	0.05	0.07	*			
							or	545.59	549.25		66°30'	100	3.35	3.29	0.06	0.07				
NN19	DD	1962	8648.14	12568.85	1212.69	V	724.18	599.85	606.61	609.50	71°00'	100	6.40	1.39	0.06	0.05	Cp SHALE	NN19		
							or	603.96	606.67		72°13'	100	2.53	2.66	0.05	0.08	*			
NN20	DD	1963	8399.76	12756.90	1211.03	V	576.99	472.44	481.64		74°00'	100	8.84	1.44	0.05	0.11	Cp SHALE	NN20		
							or	475.49	481.64		75°00'	100	5.94	1.83	0.05	0.13	*			
NN21	DD	1963	8338.52	12390.76	1216.19	V	600.46	524.56	528.96	690.50	73°30'	100	4.24	1.14	0.03	0.05	Cp SHALE	NN21		
							or	526.39	528.98		71°20'	100	2.47	1.50	0.03	0.06	*			
NN22	DD	1963	7742.22	12065.97	1204.15	V	812.60	662.33	669.19	548.00	78°00'	98.7	6.80	2.07	0.03	0.18	Cp SHALE	NN22		
							or	662.94	668.67		77°48'	98.4	5.61	2.37	0.03	0.13	*			
							or	664.77	669.95		72°42'	97.0	4.94	2.72	0.03					
NN23	DD	1965	8035.75	12920.21	1205.86	V	553.21	444.55	453.54		74°30'	100	8.66	1.85	0.11	0.18	Cp, Bn SHALE	NN23		
							or	453.54	453.54		76°30'	100	4.75	2.62	0.10	0.27	*			
NN24	DD	1966	8334.65	13054.78	1203.22	V	438.00	395.63	406.91	797.00	79°30'	100	11.09	0.20		*	DOLOMITE	NN24		

DD-DIAMOND DRILL, SH-SHOT, CH-CHURN, ASL-ABOVE SEA LEVEL(assumed local datum)

5. Existing Drill Hole Data (2)

HOLE NO.	TYPE OF HOLE	YEAR	CO-ORDINATES		COLLAR ELEVATION ASL IN METRES	INCLINATION	TRUE BEARING	TOTAL DEPTH IN METRES	MINERALIZATION		F / W ELEVATION ASL IN METRES	INTER-SECTION ANGLE	REC %	TRUE THICKNESS IN #	AVERAGE PERCENT			HORIZON / FORMATION	HOLE NO.
			-Y	+X					FROM	TO					TOTAL	OXIDE	Co		
NN25	DD	1966	7704.73	12730.87	1201.50	V		629.72	523.22	527.06	85°00'	100	3.84	1.33		0.13	Cp DOLOMITE / SHALE	NN25	
								or 524.87	527.06	527.06	87°00'	100	2.19	1.77		0.16			
NN26	DD	1966	7732.01	13035.56	1200.79	V		488.90	457.96	485.28	79°24'	93.8	7.19	1.60	0.03	0.16	Cp. Bn SHALE	NN26	
								or 460.55	465.28	743.00	78°30'	100	4.63	1.87	0.02	0.12			
								or 460.55	464.21		80°00'	100	3.60	2.12	0.01	0.14			
NN27	DD	1966	7741.60	13352.85	1197.76	V		500.79	446.38	452.48	82°00'	100	6.04	2.05	0.05	0.26	Cp SHALE	NN27	
								or 446.99	452.17		81°00'	100	5.12	2.31	0.05	0.23			
								or 447.60	451.10		79°18'	100	3.44	2.85	0.05	0.23			
NN28	DD	1966	7137.72	13336.68	1209.39	V		869.59	679.25	682.14	70°00'	100	2.72	0.98	0.03	0.09	Cp SHALE	NN28	
28D1		1967						915.62	676.05	680.80	89°18'	100	4.45	1.17	0.05	0.09		28D1	
								or 677.88	680.60	534.00	68°12'	100	2.71	1.50	0.06	0.09			
NN29	DD	1967	7192.02	12342.95	1218.97	V		691.59	ABANDONED IN UPPER ROAN DOLOMITE									NN29	
NN29A	DD	1967	7192.02	12342.95	1218.97	V		1469.44	1240.81	1253.40	62°20'	98.8	11.16	1.54	0.03	0.19	Cp SHALE	NN29A	
								or 1240.81	1250.96		63°30'	99.7	9.08	1.75	0.04	0.17			
								or 1240.81	1246.33		59°30'	98.4	4.75	2.13	0.04	0.22			
NN30	DD	1967	8072.50	13298.08	1197.89	V		425.50	399.29	402.84	GEOCHEM		6.22	1.26	0.06	0.06	DOLOMITE	NN30	
NN31	DD	1967	7864.22	12417.88	1207.56	V		656.84	552.18	558.61	75°00'	100	4.45	1.48	0.05	0.04	Cp SHALE	NN31	
								or 553.52	558.15	658.80	73°45'	100	2.29	0.70	0.07	0.05	DOLOMITE / SHALE	NN32	
NN32	DD	1968	6056.76	11934.74	1242.69	V		236.52	20.73	23.16	59°00'	68.8	2.29	0.70	0.07	0.05	DOLOMITE / SHALE	NN32	
NN33	DD	1969	6389.29	11865.75	1236.87	V	076°	402.95	146.30	152.70	GEOCHEM		5.82	1.59	0.03	0.03	SHALE	NN33	
NN34	DD	1969	7865.44	13913.24	1195.18	V		585.52	504.75	509.02	76°00'	100	4.15	1.91	0.04	0.03	Bn. SHALE	NN34	
								or 505.64	503.22	510.17	74°00'	95.6	6.64	1.40	0.03	0.03			
NN35	DD	1969	8877.39	13748.48	1210.54	V		506.39	470.92	486.16	GEOCHEM						DOLOMITE	NN35	
NN36	DD	1969	8300.71	14028.19	1208.12	V		491.34	454.15	466.34	GEOCHEM						DOLOMITE	NN36	
NN37	DD	1969	7922.67	14317.17	1207.82	V		487.68	457.20	476.71	GEOCHEM						DOLOMITE	NN37	
NN38	DD	1969	7444.05	14313.84	1198.89	V		720.55			CORE LOSS THROUGH ORE SHALE						Bn, Cc SHALE	NN38	
D1								790.04	705.92	712.32	80°18'	100	6.31	2.10	0.01	0.03	Bn, Cc SHALE	D1	
								or 706.83	710.79	505.00	79°10'	100	3.90	2.98	0.01	0.03			
NN39D1	DD	1970	7120.58	14671.36	1201.82	V		488.59	411.48	413.00	GEOCHEM						Bn SHALE	NN39D1	
NN40	DD	1970	6972.59	14341.55	1193.53	V		1136.29	923.85	933.97	75°30'	100	9.78	2.17	0.01	0.04	Bn SHALE	NN40	
NN41	DD	1974	7438.90	14707.65	1197.11	V		917.97	788.20	790.72	86°00'	96.8	1.31	1.07	0.01	0.01	Bn, Cp SHALE DOLOMITE	NN41	
NN42	DD	1975	9288.45	14946.96	1215.75	V		866.46	789.26	806.92	67°00'	97.3	16.27	2.29	0.02	0.10	Cp SHALE	NN42	
NN43	DD	1975	9296.92	14555.86	1218.06	V		798.81	687.85	700.52	71.5°	99.0	12.02	2.93	0.02	0.09	Cp, Py SHALE	NN43	
NN44D1	DD	1976	8830.61	15153.56	1214.65	V	180°	913.07	775.50	794.50	56.3°	99.5	6.63	5.95	0.02	0.10	Cp SHALE	NN44D1	
NN45	DD	1976	9689.82	14945.31	1218.19	V		786.20	729.84	740.44	76.9°	98.5	10.47	3.93	0.02	0.26	Cp SHALE	NN45	
NN46	DD	1976	9290.79	14155.84	1218.69	V		579.35	558.50	559.95	71.8°	100	1.38	3.38	0.01	0.04	Bn, Cp SHALE DOLOMITE	NN46	

DD: DIAMOND DRILL, SH: SHOT, CH: CHURN, ASL: ABOVE SEA LEVEL (assumed local datum)

5. Existing Drill Hole Data (3)

HOLE NO.	TYPE OF HOLE	YEAR	CO-ORDINATES		COLLAR ELEVATION ASL IN METRES	INCLINATION	TRUE BEARING	TOTAL DEPTH IN METRES	MINERALIZATION		F / W ELEVATION ASL IN METRES	INTER-SECTION ANGLE	REC %	TRUE THICKNESS IN m	AVERAGE PERCENT			HORIZON / FORMATION	HOLE NO.
			-Y	-X					FROM	TO					TOTAL	OXIDE	Cu		
NN47	DD	1977	8487.75	14948.17	1213.06	V		642.81	568.93	570.89		81.5°	100	1.93	0.38	0.01	0.01	* Cp SHALE, DOLOMITE	NN47
NN48A	DD	1977	10510.57	14552.01	1231.75	V		1057.00	810.00	815.05	421.50	64.5°	99.9	4.67	2.06	0.01	0.02	* Cp SHALE	NN48A
NN49	DD	1977				V		41.55	ABANDONED										NN49
NN49A	DD	1977				V		29.84	ABANDONED										NN49A
NN49B	DD	1977	9278.43	15745.89	1219.44	V		894.79	NO ORE INTERSECTED										NN49B
NN50	DD	1977	8470.59	15729.97	1206.57	V		853.03	828.70	829.46	456.50	70.0°	98.7	0.71	0.61	0.01	0.01	* Bn SHALE, DOLOMITE	NN50
NN51	DD	1977	10075.90	15756.97	1227.26	V		1062.14	1018.40	1034.34	243.00	61.1°	98.8	14.21	2.58	0.01	0.06	* Cp SHALE	NN51
NN52	DD	1977	10869.71	15756.96	1248.21	V		1184.45	1012.09	1022.06	260.20	70.0°	100	0.86	1.32	0.01	0.02	* Py SHALE	NN52
NN53D1	DD	1977	10071.98	15358.24	1232.95	V		953.83	934.36	939.63	329.00	69.0°	99.1	4.92	2.15	0.01	0.05	* Cp, Po, Py SHALE	NN53D1
NN54	DD	1978	9282.77	15346.44	1220.06	V		928.8	NO ORE INTERSECTED										NN54
NN55	DD	1978	9829.34	14560.99	1219.61	V		685.23	581.00	586.42	644.50	79°	100	5.32	1.74	0.02	0.04	* Cp, Po SHALE	NN55
NN55A	DD	1978	9885.54	14555.22	1219.61	V		886.5	583.00	588.08		79°	100	3.02	2.04	0.02	0.04		NN55
NN56	DD	1978	6653.10	13328.16	1205.64	54°	094°	764.04	NO ORE INTERSECTED										NN56
NN57	DD	1979	6415.99	12424.62	1221.74	53°	089°	459.55	NO ORE INTERSECTED										NN57
NN58	DD	1978	10690.78	16148.44	1235.94	V		1239.90	1128.00	1162.40	230.00	42.0°	96.7	22.92	2.21	0.09	0.09	* Cp SHALE	NN58
NN59	DD	1980	8348.09	15336.91	1203.00	V		789.63	668.50	679.25		53.0°	107	2.74	1.69	0.07	0.07	F / * Bn SHALE	NN59
NN60	DD	1981	10396.69	16559.67	1239.14	V		1194.90	1111.40	1114.60	201.00	52.0°	98	0.59	1.30	0.03	0.03	* Cp, Bn SHALE	NN60
NN61	DD	1981	9735.46	16533.50	1218.81	V		1077.27	990.68	995.59	254.30	79.4°	100	1.83	0.03	0.02	0.02	* Cp SHALE, DOLOMITE	NN61
NN62D1	DD	1981	12911.96	19267.02	1259.19	78°	351°27.3	439.36	423.60	427.60	845.00	47.8°	97	3.92	0.95	0.01	0.01	* SHALE	NN62D1
NN63	DD	1981	9599.97	15339.76	1216.78	V		967.12	899.50	918.00	338.40	84.6°	100	18.41	2.11	0.21	0.21	* Cp, Po SHALE	NN63
NN64	DD	1981	13282.83	14594.34	1216.01	V		803.77											NN64
NN65	DD	1981	10906.18	19292.07	1245.04	77.2°	025°12'	688.24	NO ORE INTERSECTED										NN65
NN66	DD	1981	11708.25	14124.09	1209.61	V		1153.47	NO ORE INTERSECTED										NN66
NN67	DD	1981	10010.13	17234.30	1218.66	V		730.69	NO ORE INTERSECTED										NN67
NN68	DD	1982	12504.41	17748.13	1234.25	V		811.33	784.52	802.48	439.29	61.0°	97.6	15.71	0.98	0.01	0.01	F / * QUARTZITE	NN68
NN69	DD	1981	11509.15	17804.58	1227.83	89.4°	099.4°	1002.33	NO ORE INTERSECTED										NN69
NN70	DD	1982	10782.08	17600.61	1225.33	V		944.25	NO ORE INTERSECTED										NN70
NN71	DD	1982	11294.89	16555.75	1250.55	89°17'	061°23'	936.88	NO ORE INTERSECTED										NN71
NN72	DD	1982	12363.65	17206.38	1186.55	V		1274.91	NO ORE INTERSECTED										NN72
NN73	DD	1982	13262.54	18529.94	1254.10	89.5°	135°	758.64	NO ORE INTERSECTED										NN73
NN74	DD	1982	7720.48	15393.71	1201.20	V		859.00	783.40	783.90	423.73	47.0°	100	0.37	1.08	0.01	0.01	Bn SHALE	NN74
NN75	DD	1982	12354.58	16601.52	1243.63	V		1033.78	950.16	971.57	306.23	70.0°	100	10.72	2.11	0.09	0.09	Cp SHALE	NN75
								or	963.16	971.57	306.23	69.7°	100	7.87	2.09	0.11	0.11		
								or	971.57	982.24	297.36	70.0°	100	10.03	0.64	0.01	0.01	F / * CRITTY QUARTZITE	

DD-DIAMOND DRILL, SH-SHOT, CH-CHURN, ASL-ABOVE SEA LEVEL (assumed local datum)

MJZC-2

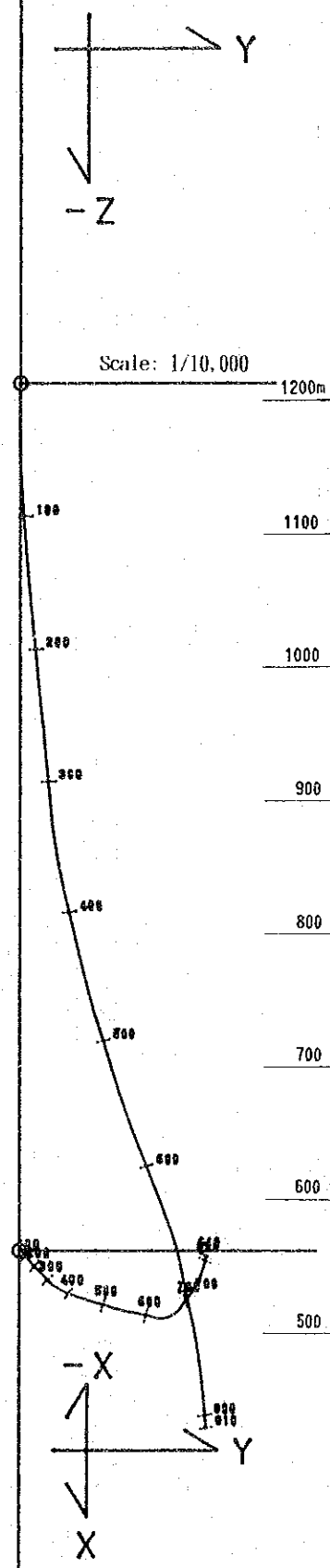
Locality: Chambish Southeast

Collar Elevation: 1212.5 m

Direction of Cross Section: NW 70°

Borehole deviation

Depth [m]	Direction [°]	Inclination [°]	$\Delta\theta$ [°/100]	X [m]	Y [m]	Z [m]
160	NW 18.5	-82	5	7.4	7.9	-159.4
200	NW 23.5	-82	0	11.6	11.6	-199
300	NW 23.5	-82	0	21.7	21.2	-298
410	NW 48.5	-76	5.5	32.5	38.7	-405.9
500	NW 54.5	-72	4.4	40.3	62.2	-492.4
600	NW 56.5	-68	4	48.2	95.5	-586.3
700	SW 56.5	-70	-2	37.2	125.7	-679.7
810	SW 32.5	-70	0	3.5	141	-789



6. Drill Hole Deviations (1)

MJZC-3

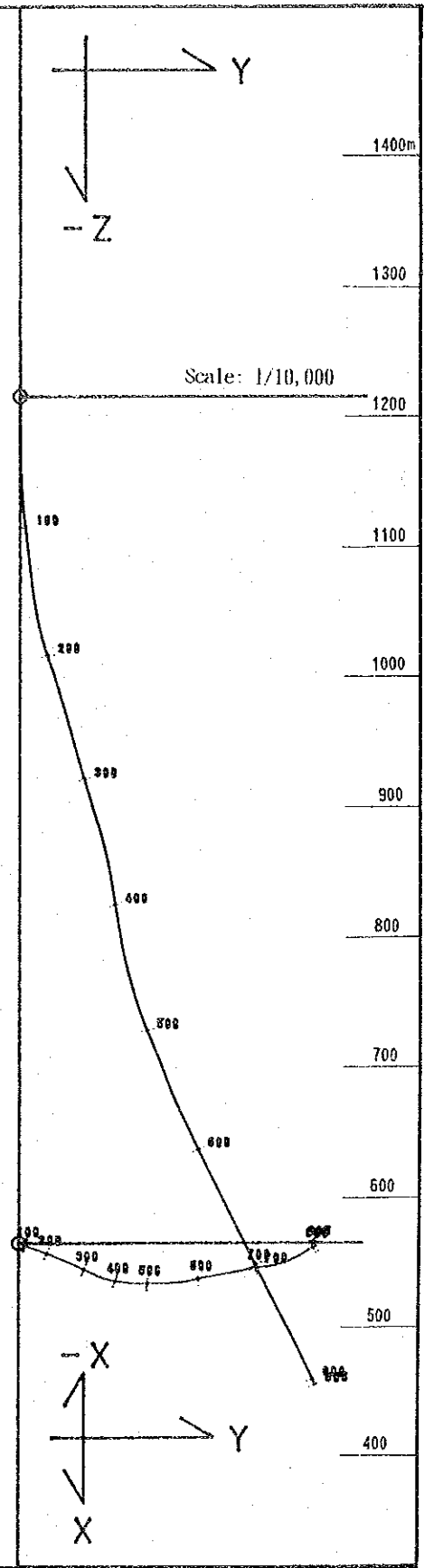
Locality: Chambish Southeast

Collar Elevation: 1213.2 m

Direction of Cross Section: NW 27°

Borehole deviation

Depth [m]	Direction [°]	Inclination [°]	$\Delta\theta$ [°/100]	X [m]	Y [m]	Z [m]
120	NW 6.5	-83	5.8	2.1	6.9	-119.7
220	NW 4.5	-72	11	10.1	27	-217
320	NW 1.5	-72	0	22.7	55.2	-312.1
400	NW 16.5	-80	-10	29.1	73.3	-389.6
527	NW 26.5	-68	9.4	30.9	108	-511.2
609	NW 38.5	-63	6.1	26.9	141.7	-585.8
700	NW 36.5	-63	0	19.3	182.3	-666.9
805	NW 60	-60	2.9	1.1	228.2	-759.2



6. Drill Hole Deviations (2)

MJZC-4

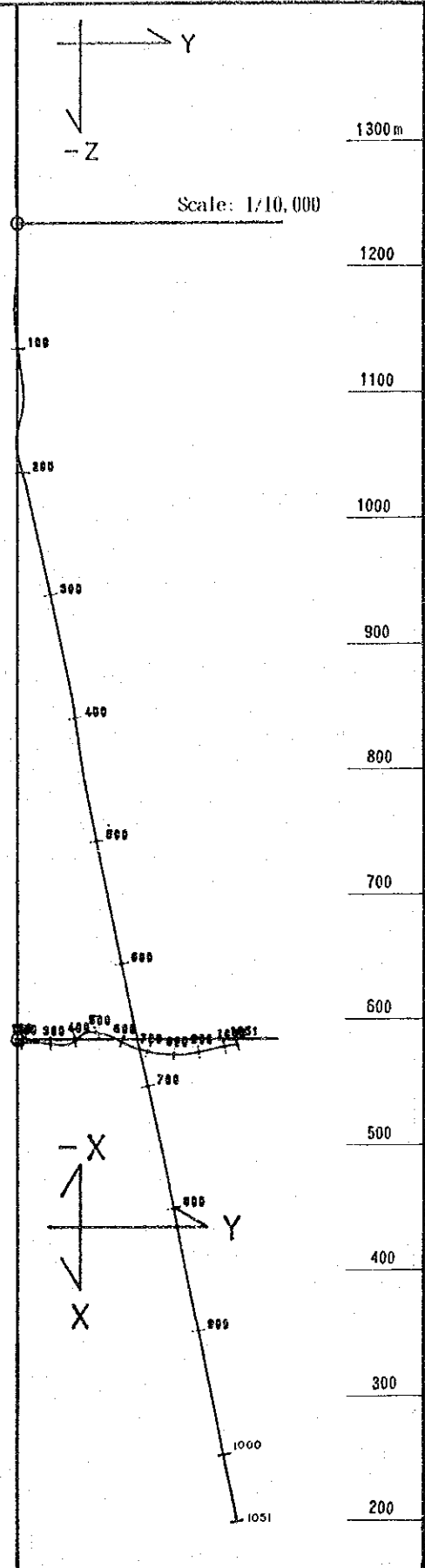
Locality: Chambish Southeast

Collar Elevation: 1234.2 m

Direction of Cross Section: NW 29°

Borehole deviation

Depth [m]	Direction [°]	Inclination [°]	$\Delta \theta$ [°/100]	X [m]	Y [m]	Z [m]
108	NE 3.5	-83	6.5	1.7	1.5	-107.7
210	NW 28.5	-77	5.9	2.9	7	-208.1
320	NW 23.5	-78	-0.9	3.5	30.8	-315.5
420	NW 68.5	-79	-1	-1.8	48.9	-413.5
500	NW 18.5	-79	0	-5.4	62.8	-492
600	NW .5	-77	2	1.7	82.2	-589.8
700	NW 16.5	-77	0	9.5	103.1	-687.2
800	NW 28.5	-79	-2	12	123.7	-785
913	NW 40.5	-78	.9	9.7	146	-895.8



6. Drill Hole Deviations (3)

