HOLE NUMBER: SP07-02

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PROJECT NAME:	SPICE	**UTM:**	Nad 83	Zone 9	**AZ:**	**195**	**DIP:**	**-50**	**DEPTH:**	**153.9m**
HOLE:	**SP07-02**									
FINAL DEPTH:	**153.9m**	**Northing:**	6876540		**DOWNHOLE SURVEY:**				INKLIN	
DATE START:	16-May-07	**Easting:**	346782		**AZIMUTH:**		**DIP:**		**DEPTH:**	
FINISH DATE:	25-May-07	**Elev.**	795m		191.4		-46.9		30.5m	
LOGGED BY:	J. Pautler	**Grid Co-ord:**	L500E/328N		196.9		-48.0		61.0	
CORE SIZE:	NQ				199.2		-48.6		91.5	
DRILLING COMPANY:	Alliance Sonic Drilling Inc.				196.4		-49.8		121.9	
					196.8		-50.8		152.4	

PURPOSE: To test the extension of the gold in till anomaly to the south still within the chargeability-high, resistivity-high zone along L500E, targeting down dip of near where the zone comes to surface at L500E/270N.

SUMMARY: Intersected pyritic silicified zones from 59.75 to 73.6m and 80.4 to 84.15 and quartz vein zone from 93.2 to 94.5m. Zones appear to be related to rhyolite quartz feldspar porphyry dykes.

PROBLEMS: Trouble adjusting tower at start, pump broke, no fuel! Wait 3 days for replacement pump.

SAMPLE NUMBERS:	23913 - 24050	**138 samples**			**ASSAY CERTIFICATES:**	2007-7022	
						2007-7023	
BLANKS:	23933	23956	23980	24014	24048	2007-7030	
STANDARDS:	23936	23966	23984	24013	24032	24047	
DUPLICATES:	23944	Duplicate of 23943					
	23953	Duplicate of 23952					
	24000	Duplicate of 23987					
	24040	Duplicate of 24039					

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DEPTH (metres) From	To	Graphic Log 1:500	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
0	8.55		CASING								
8.55	9.15	OVB	OVB - few angular pebbles of sil. BCU - fine clastic sediments	2			m sil				
9.15	10.65		NO CORE OVB	0							
10.65	12.2		Pebble of sil BCU (fine clastic ± STS) OVB	3			w sil				
12.2	14.5		Subangular pebbles of sil. BCU - fine clastics - ST S - SDST and grit with fine qtz sturgeon (few mm) and 25% qtz pebbles up to 1cm	10			m sil	—	23913	12.2	13.7
		qSTRS		32					914	13.7	14.5
14.5	25.9		BCU Bedded Clastic Unit - Fine Clastics								
		RQFP	@ approx 14.5 start to get bedrock med grey grit (BCU), some broken fsps up to 3-4mm size. (fsp-qtz-mica-gt)	32			minor ankerite in fres	—	915	14.5	15.2
		FLT	@ 15.2 - 5cm of clay gouge								
		bx	@ 15.25 - 15.6 med grey-greenish medium grit	90	fol n = bedding?	60°			916	15.25	15.6
			CNT along bedding with finer clastics		CNT	60°					
			→ @ 15.6 - 18.2 - very fine bedded clastics, argillaceous mudstone to siltstone with fine dissem py, minor qtz - carb stringers, vnlets to 1cm, black graphitic colour; fol changes approaching fault zone.				± w-m sil	7 py			
		BCU		90	fol n	60	w-m sil	10 py	917	15.6	16.75
		LIST		65	fol n	30	± w sil	5 py	918	16.75	18.2
		FLT									
		bx	→ @ 18.2 - 25.9 - More med grey to greenish colour qtz rich BCU with qtz as numerous deformed old qtz vnlets or meta segregation of qtz rich clastics into bands or layers, minor fol, evident graphite, sericite - due to metamorphism,				vw chl	1 py			
		BCU	@ 18.8 - 19.8 - minor late qtz sturgeon, wht - weat greyish,	47	qtz stgs	40°		1 py	919	18.2	19.8
			some almost cherty beds								
			@ 19.8 - 21.35 - 35% clay gouge in zone but similar to above	32			W clay	1 py	920	19.8	21.35
			— 80.0m								

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
		Rgfp	80 m								
			+ @21.35 - 22.85 - as in 18.2-19.8 but with X cutting qtz vn(s) @ 45° CA with local sil assoc with vnlets	43	foln qtz vnlts	55 45	± w sil	1 py	23921	21.35	22.85
			@ 2285 - 25.6 - bit more qfic and rubbly	31					935 936	22.85 STANDA	24.4
		Rgfp	@ 25.6 - 25.9 coarse grit and cgl. coarsens ↓ med. grey colour - up to 1cm clasts of fine bedded clastics and ± cherty pieces	60				1 py	922	24	25.9
		BCU	CNT broken but appears to be 45° CA		CNT	45					
25.9	26.4		Rhyolite QFP dyke. = light colored pale greenish tinge. medium grained. 10% qtz eyes + 10% fsps about 2-3mm in size in slightly finer grained qtz-fsp matrix with w chl-ser = more intrusive equivalent Qtz mono por but same as Rgfp only coarser; fine graphitic fx filling	58			vw chl-ser.	—	923	25.9	26.4
		Rgfp			fxs	25					
26.4	28.95		BCU unit med gray colour due to med. graphite - grades from grit to cgl ↓.	58					924	26.4	27.45
			@ 26.4 - 27.45 - mostly grit.		foln	45					
			@ 27.45 - 28.95 - Cgl to grit, fine py ± aggregates in matrix - occasional fragment of Rgfp to 2-3cm. occasional discontinuous qtz stringers along foln and X cutting.	51				2-3 py	925	27.45	28.9
		Rgfp			strs	45, 140, 05					
			@ 28.75 - 28.95 ∃ 70% clay gouge		gouge	45					
28.95	35.35		FAULT Breccia in Cgl. unit with Rgfp clasts; primarily finer clastic clasts with 7% wkt & 5% Rgfp. clasts 1-3cm, Rgfp fragments are larger, 2-5cm, minor ankerite? (orangish) porphyroblasts - few mm size. occasional larger grit clast								
		BCU									
		EOH	153.9								

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 28.95 – 30.5 local graphitic gouge and weak ser alt'n with pervasive w sil. in bxed Cgl unit with Rgfp bx fragments	97	frc's gouge	05 05–20	w ser ± w sil	1 py	23926	28.95	30.5
			@ 30.5 – 32.0 as above @ 28.95–30.5 but more gouge and broken, more py as frc fillings and dissem around frcs – more crushed zones; foln appears affected by fault.	77	foln frcs	25 25	w ser ± w sil + w serp-chl	2-3 py	927	30.5	32.0
			@ 32.0 – 33.53 – Main part of fault? FAULT ZONE with 30% crushed rock and clay gouge; – mottled green + black colour due to graphitic clastics and Rgfp clasts in Breccia	92	gouge/frcs gouge	05, 25 55	w ser ± w sil + m clay w serp?-chl. 'transluent?'		928	32.0	33.53
			@ 33.53 – 35.05 more competent more silicified? more serp. – smaller clasts (possibly due to more brecciation milling? – more clasts) still have Rgfp frags but less (3%) and more range in size from <1cm – 5cm). – not fol.	95	qstrs	45	w-m sil, vw ser w serp – chl		929	33.53	35.05
			minor fine (few mm) qtz strs.								
			@ 34.95 – 35.35 – limonitic weath. and on frcs; brecciated into fine fragments avg 0.5 cm		qtz strs	25-35	+ w lim				
35.35	38.1		Cgl breccia in Fault Zone – no Rgfp clasts; med. grey colour typical cgl unit with finer fine clastic clasts and about 5% wte qtz. no Rgfp but brecciated, rotated fractured qtz clasts and qtz rich clastics, some gouge and rubble.	100	foln gouge	25 45	w ser. – due to fault		930	35.05	36.05
			@ 36.05 – 38.1 more qtz in Cgl and more siliceous clastics as apposed to pelitic ≈ 10% qtz in zone. @ 36.5 – 36.7 – gouge + crushed rock.	100				1/2 py	931	36.05	36.55

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 36.7 - 38.1 - 2.5cm milky qtz veinlet in zone and qtz rich fine clastic beds - broken and brecciated.	42	qtz veinlets	35			23932	36.55	38.1
38.1	42.3		FAULT Breccia in possibly finer bedded clastics of BCU (still may be in cgl with lenses 10-20cm clasts of fine clastics but may be just brecciated finer clastics.				w ser				
FLT	BX				fol'n	65			23933	BLANK	
BCU			-large clasts of pelitic to qtz rich metaclastics (MDST to SDST)								
			-subangular fragments of fine BCU - looks brecciated at start of from 38.1 - 39.4	B3					23934	38.1	39.6
			@ 39.6 - 41.15 - start to get fine py replacing small clasts ± 0.5cm size. generally proximal to frcs	91	frcs	05,25		py-1 py	937	39.6	41.15
			@ 41.15 - 42.3 - more py replacing larger clasts to 1cm and as frc fillings and dissem.	100				2-3py	938	41.15	42.3
			@ 41.35 - 41.65 - gouge crushed rock zone		gouge CNT	20					
					"	40					
			CNT - along bedding?		CNT	55					
42.3	44.0		MIXED fine BCU and LIST - mgry graphitic pelitic fine clastics with interbeds of tan coloured manipositic bearing	100	bedding?	55	E vw carb-manip. list.		939	42.3	42.9
			@ 42.65 - 44.0 FAULT ZONE with crushed rock and minor gouge. ± manipositic bearing fine grained tan coloured beds mixed with fine graphitic pelitic beds.	44			± vw carb-manip		946	42.9	44.0

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
44.0	44.55		Tan coloured fine grained qtz-sericite - reh fizzable carbonate rock - listwanite?? trace marcasite, minor py as fine lenses up to 1cm long along foln	95	py foln = bedding?	45 55	listw? qtz-carb-py ± marc.	1 py	23940	44.0	44.55
			CNT - FLT CNT		L CNT	25					
44.55	51.85		FINE BCU - fine clastics of BCU dominantly pelitic with some more (mic cote) qtz rich clastic layers; locally brecciated folded @ 44.55 - 45.7 ± minor interbed of listw? (tan coloured marcasite bearing) up to 10cm wide. ; Some gouge sections especially from 44.55 - 44.8	95					941	44.55	45.7
					foln	70°					
			@ 45.7 - 47.25 - med grey fol BCU deformed layers, folding evident, 1-2% grey qtz along foln (deformed qtz vnlets)	74	foln	50		1-2 py	942	45.7	47.25
			@ 46.05 - 47.75 - gouge and crushed rock - FLT some grey clay (putty)				+ w serp, clay				
			@ 47.25 - 48.7 - lighter grey FLT zone in BCU above with crushed rock, brecciation, cracked, clay in matrix of bx and chl - possible serp.	57			w - serp - chl - clay		943	47.25	48.75
									944	DUPLICAT	
			@ 48.70 - 48.75 - graphitic rubble.								
			@ 48.75 - 50.3 No Core	0					No sample		
			@ 50.3 - 51.85 Fine BCU as at 45.7 - 47.25 ± graphitic ± local sil patches		foln	50	± m. sil	—	945	50.3	51.85
			@ 50.3 - 50.5 - crushed qtic BCU in FLT		qtz vnlets	60		2-3 py			
			@ 51.5 - qtz vein/vnlet 1cm		listw	70°					
			@ 51.7 - 2cm listwanite zone. local brecciation for few cm above listw zone qtz and fine clastic fragments generally < 1cm		CNT	60°					

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Depth (metres) From	To	Graphic Log	Description	REC. %	Structure: Veins & Fractures	Angle	Alteration	Metallic Minerals %	Sample No.	From	To
51.85	53.45		LISTWANITIC FLT ZONE - tan with qtz as deformed irreg. vnlets and patches, 5%+ mariposite, some gfic partings up to 52.15, then minor mariposite, grey colour, still have qtz and local siliceous pyritized fragments gouge at CNT btw LIST and gry gouge-bx and 5 clay gouge @ 53.40m - 53.45m		gouge	70°	listw, ser. (qtz-carb-marip-py)	2 py	23947	51.85	53.45
			FINE BCU - pelitic clastics								
53.45	54.85		MOST LOST CORE but pieces of sil. fine gfic BCU with qtz stringers - some WASH (CAVE) in interval - not sampled.				m. sil.	2-3 py	948	53.45	54.85
54.85	55.65		LISTW fault zone, minor deformed gy qtz; very poor rec., some wash (CAVE) not sampled				listw, ser	1-2 py	969	54.85	55.65
			Sharp CNT		CNT	50°					
55.65	56.4		FAULT BX ± List ± siliceous BCU crushed rock, weak gouge @ start followed by sil bx grading less brecciated ↓. overall m. grey to fain greenish more near start; fine py as dissem and replacing siliceous clasts; matrix to clast supported bx some mariposite @ start ↳ CNT ZONE BTW more pelitic + qtz rich clastics.				±m-s sil, local ± listw, ±w clay w-m ser	3 py	949	55.65	56.4
56.4	78.3		Deformed siliceous clastics (mic. rite), thinly bedded, crackled texture - qtz rich clastic bands with gfic, ser and pyic frc fillings as stwk throughout - purplish hornfelsed biotite look; also fine py surrounding frags and as aggregates		foln	75	w-m ser overall; ±sil, bio w-m	5 py	950	56.4	57.1
					py strs	30					
			CNT sharp - probably bedding		CNT	60 = bedding?					
			@ 57.1-57.9 siliceous clastics - more micaceous (bio) ± ser rich - rubbly @ start of section; fine py in frcs, aggregates generally assoc with 20-25°CA frcs. - purplish bio due to hfsing? *(prob Rqfp below).*		frcs pyic	20, 50	m ser. bio	3 py	951	57.1	57.9

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	RE C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 57.9 - 58.75 - generally less bio more qtz rich but mixed.				m ser	1 py	23952	57.9	58.75
									23953	DUPLICATE	
			@ 58.75 - 59.0 - grading into fault zone, increase ser - start to get maniposite.				m ser - w manip		954	58.75	59.45
			@ 59.0 - 59.45 - crushed rock to gouge more tan ser alt'n with mod manip.		gouge foln	30 45.	s ser - manip				
block @ 59.45			block								
			@ 59.45 - 59.75 - qtz rich fine clastic - micaceous qtz, w manip along foln as in 23950.		foln	50°	w ser, tr manip		955	59.45	59.75
									956	BLANK	
					CNT foln	70°					
			@ 59.75 - 71.5 strongly silicified BCU				s. sil				
			@ 59.75 - 60.1 - s. sil med grey colour w qtic pelitic - siliceous (micaceous quartzite) beautiful fine clastics with fine qtz stringers few mms wide	71	qtz strs	70°	v s sil	10 py	957	59.75	60.1
			@ 60.1 - 60.5 approx. - dropped by drillers section but appears to belong here - now fine rubble same as previous - sampled entirely since less material due to dumped part of box, and sampled separately due to possible contamination fine qtz strs - similar to 59.75 - 60.1	50			s sil	7 py	958	60.1	60.5
			@ 60.5 - 61.5 mic qtz, mod sil. with py as fine fillings		pyic frcs	20	m sil	5 py	959	60.5	61.5
			@ 61.5 - 62.0 - possible cave or wash but may belong here - numerous m-s sil, pebbles (angular) with fine py	30			m-s sil	5-7 py	960	61.5	62.0
block @ 62.5			block								
			@ 62.0 - 62.5 w-m sil mic qtz some offset along 20° frcs off white colour, thin to very thinly bedded (few mm to 1cm)	50	frcs	20	w-m sil	3 py	961	62.0	62.5

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
(62.5	64.5)	FLT	@ 62.5 - 63.5 - FLT Bx to gouge med grey brecciated mic Otz to silicd rich clastics; fragments up to 1cm size angular; very thin to thin bedded, brecciated stone clay gouge,	60			m sil	½ py	23962	62.5	63.5
					fres foln	05-75 60°					
							qtz fragments (10%)				
(63.5	65.53)	STS bed	STS interbed of BCu within more Qtz rich clastics								
			@ 63.5? - 64.5 - rubbly silicified med grey w gfine STS, faulted, some clay gouge sections - poor rec.	20			w-m sil	1 py	963	63.5	64.5
			@ 64.5 - 65.5 argillaceous STS of BCu with fine py as dissem and along foln 0 - top 20cm is brecciated, matrix supported; clasts 0.5cm, some up to 1cm		foln	40°	± w sil	3 py ± ½% asPy ??	964	64.5	65.5
65.5	71.3)		@ 65.5 - 71.2 - qtz rich clastics, thinly bedded ± 0.5cm, silicified, py (fine) commonly along foln but irregular - looks like graphic texture due to sil/py alt'n	75			m sil	4 py	965	65.55	68.0
								2 py	966	STANDA	
									967	68.6	71.3
			@ 71.2 - 71.3 - minor clay gouge - could be cave ??								
(71.3	72.6)		@ 71.3 - 72.6 med bedded fine pelitic - silica rich clastics some disruption, folding, local bxiation				m-s sil				73
					qtz strs foln	20 50					
			@ 71.3 - .5 fine qtz strs to 0.5mm t vuggy		qtz strs	20	s sil, m sil, w-m ser	5py	968	71.3	72.3
			@ 71.5 - 72.6 - looks siliceous more sericitic alt'n prior? to sil								
			@ 72.6 - 3cm of graphitic - clay gouge - bx		gouge	55	s sil, w-m ser w clay	7-8 py	970	72.35	73.0
			@ 72.63 - 73.6 - more thinly bedded silica rich clastics with ± graphic looking texture as in 65.5 - 71.2 deformed, sericitic alt'd								
			→ sil'd fine py along foln, py content increases ↓ bottom 20cm more highly sil. and py								

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
(72.6	75.0)		FAULT ZONE in silica rich BCU clastics crushed rock to clay gouge, med-light grey colour.		gouge CNT	65	m clay - w ser.	1 py	23971	73.6	75.[illegible]
(75.0	77.85)		Silica Rich Clastics Chl ± ser Alt'd. (Fine cgl-grit) deformed chl knots and ser-chl in matrix				w-m chl, w ser				
			@ 75.0 - 75.4 - w clay alt'd and m. ser alt'd due to fault zone above? aggregates of fine py, chloritized clasts, elongated up to 2cm along foln		foln	40°	± m ser. w clay	1-2 py	972	75.0	76.[illegible]
			@ 75.4 - 76.6 - less ser, more competent some minor gouge zones ± diffuse py along foln and as fine clots - aggregates cracked texture		w foln gouge	45 45		2 py			
			@ 76.6 - 77.85 - some minor m gy cgl-grit sections, same texture as chl-ser alt'd material, cracked texture				± w-m sil	2-3 py	973	76.6	77[illegible]
			@ med grey siliceous clastics - qtz - cherty look, deformed, crackled texture		fracs	05, 80, 30		1 py	974	77.85	78[illegible]
78.3	79.05		FAULT ZONE clay gouge and crushed rock - originally cherty wht and cgl, graphitic, m-grey colour				m clay	1 py	975	78.3	79.0[illegible]
79.05	79.8		Cgl - bedded fine cgl to c. grit of BCU py in matrix, largest clasts 3cm but avg 0.5cm, 5% wht qtz as rounded clasts some deformed, grey qtz carb. vnlets. Other clasts are arg sts qtz, BCU		bedding CNT	65 50.		3 py	976	79.05	79.[illegible]
79.8	80.4		Rqfp pale green colour with about 5% qtz eyes, some clay alt'd fsps vw foln developed at bottom denoted by alignment of chl		foln	45	m ser w chl	—	977	79.8	80.[illegible]

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
80.4	84.65		Cgl with avg clast size 1cm, some clasts to 5cm, 5% qtz, rest BCU – qfp, sts, sdst, arg. and fel arg. sts								
			@ 80.4 – 81.1 m – some gouge – fine py in matrix, especially below 30° gouge zone (1cm wide) @ 80.75 m – grading silicified ↓		gouge	30°	w-m clay + w sil	7 py	33978	80.4	81.1
			CNT – gouge at CNT		gouge	60					
			@ 81.1m – 82.5 silicified and pyritized cgl. lug 1cm clast size – crowded few up to 2-3cm, rounded some stretched weak foln; fine py throughout matrix – becomes more deformed ribbon like at bottom		foln	80-85	w-m sil	15 py	979	81.1	82.5
									980	BLANK	
			@ 82.5 – 83.15 FAULT in Cgl unit crushed rock with some clay gouge in Cgl unit as above – py could be washed out from fault zones since still see it in some pieces		gouge	85	w-m clay	3 py	981	82.5	83.15
			CNT		gouge	45					
83.15	84.65		FAULT BX in Cgl unit				w sil	6 py	987	83.15	84.15
			@ 83.15 – 84.15 appears to be cgl unit with larger more angular clasts, some fqfp clasts and py in matrix and repl some clasts		gouge	35					
					fres	30					
					CNT	50					
			@ 84.15 – 84.65 – more rubbly broken crushed zone in FAULT					3 py	983	84.15	84.65
			gouge at CNT – 1cm		gouge	80			984	STANDARD	
84.65	93.2		c. Grit to fine Cgl of BCU med grey colour								
			@ 84.65 – 85.5 – bedded with fine py repl clasts and some in matrix		bedding	80		3 py	985	84.65	85.5
			Gouge @ 85.5		gouge	30°					
			@ 85.5 – 86.15 gouge to crushed zone in BCU.		gouge	15	m clay	2 py	986	85.5	86.15

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 86.15 - 87.0 - deformed Cgl-grit, stretched out clasts - dissem py in matrix and as aggregates, ankerite porphs		foln	55	w chl - ser	2 py	23987	86.15	87.0
									24000	DUPLICATE	
			** 89.09 - marked 295' but 5' off in next box must be 290' Block - At change from 10' to 5' core tube								
			@ 87. - 89.9 - Broken pieces with more wte 40 qtz as clasts, minor clay gouge; deformed fragmented - ins? chl - ser in frcs, late carbonate stringers, ank porphs		frcs/ gouge	15	± w sil	1 py	988	87.0	89.9
					strs	15					
			89.9 90.1 @ 89.9 - 90.4 - 1cm wte qtz veinlet, weakly banded - qfic partings, ank porphs in host rock as above from 88.6 - 88.9 89.1 -		foln	45	± vw sil w serp.	½ py	989	89.9	90.4
					qtz vn	10°					
			@ 90.4 - 91.4 Deformed grit, cgl and finer BCU - distorted foln due to folding, some local brecciation possible original mod bedded (10 cm beds) of grit/finer BCU clastics and thinner cgl beds; fine py repl. selective clasts (muddier - possibly more qfic) - ankerite porphs only in coarser layers (grit-cgl) - not in finer clastic beds.				w serp	1 py	990	90.4	91.4
			91.4 @ 91.4 - 93.2 fine cgl - c grit unit, weakly deformed with stretched out, elongate clasts serp (chl??) replacing clasts as frc filling also ankerite porphs and strs local gouge/frcs @ 20° CA; fine py repl clasts and as dissem in matrix.				w carb m serp.		991	91.4	93.2
					gouge	20					
			CNT		CNT	20					
93.2	94.5		QTZ VEIN ZONE in BCU wte to purplish grey qtz veins up to 15cm wide in BCU matrix (possibly fine pelitic clastics) - graphitic m.grey colour host; veins are brecciated at top and bottom of interval with qtz frags in host and along foli in centre with qtz stwk - crackling ± carbonate in frcs as stwk. - py in qfic partings		qtz	35, 50		1 py	992	93.2	94.5

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
94.5	94.8		ǫfp dyke light green coloured				w-m ser (chl)		23993	94.5	94.8
			5% qtz eyes ≤ 0.5cm								
			15% fsp phenos few mm - 0.5cm								
			sericite ± probable chl altered with qfic		frcs	50,25					
			frcs filled by host rock (BCU)								
			CNT - Sharp -		CNT	50					
94.8	120.4		FINE bedded BCU fine clastics				± ser.				
			med-gy to dark grey, graphitic to ;					5 py	994	94.8	96.0
			more siliceous beds, but generally not Qte, ± grit								
			Deformed, folded and displaced beds,					7 py	995	96.0	96.6
			disrupted - thinly bedded up to 1cm beds.								
			-fine py assoc with fractures and along foln		frcs	05,25,45	± w ser.	2 py	996	96.6	97.5
			@ 97.0 - 97.5 - qtz vnlets 0.7cm		qtz	65,25,40					
			to 2.5cm - disrupted, irregular ± along								
			foln. wte qtz + host rock as 1-few mm clots)								
			@ 97.5 - 98.45 Sericite altered		foln	55	m-s ser	2 py	997	97.5	98.45
			Coarse grit - sandstone ; pale								
			greenish - grey colour.		=CNT	35					
			@ 98.45 - 100.80								
		(FLT)	@ 98.45 - 15 cm of crushed rock, gouge				w) ser		998	98.45	99.0
			@ 98.6 - 99.0 micaceous Qte - med grey,								
			Some cgl, deformed, stretched local brxiation								
			@ 99.0 - 100.05 - mic Qte to qfic		foln	55	w-m ser-chl		999	99.0	100.55
			sdst,		frcs	05					
			@ 100.05 - 102.4 - pale greenish ser				m-s ser	2 py	24001	100.55	102.4
			alt'd BCU as in 96.0 - 96.95 - grit to		foln	70					
			sandstone - moderately bedded. ~ 7%								
			qtz vnlets up to 1 3cm in zone		qtz	70,40					
			generally along foln ; also folded,								
			deformed wte to purplish grey colour								
			Some fine discont bands of fine py;								
			as at 97.0 - 97.5m								

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Length m
			@ 102.4 - 118.85 deformed fine clastics to some grit, minor cgl; w-m' sficgmed grey colour; stretched clasts, disrupted beds				w ser-chl overall					
			@ 102.4 - 104.05 - patchy local sil for 20cm in places, frcs 05, 20°CA in lower 60cm		foln frcs	70 05, 20	w ser chl ± w/sil	1py	24002	102.4	104.05	
			@ 104.05 - 105.15 - as above but 35% clay gouge in zone - crushed rock minor gy - purplish deformed qtz veinlets; py along folin		gouge foln	35. 60.	+m clay	2py	24003	104.05	105.15	
			@ 105.15 - 106.3, as in 24002, minor gouge		foln gouge gouge	60 40° 50°		1py	24004	105.15	106.3	
			@ 106.3 - 106.8 - Deformed Qtz Vein Zone - 2 larger veins 4cm wide discont. - cut off; some vuggy frcs in qtz gouge @ Lower CNT	CNT	qtz vns L CNT gouge	40° 35		–	24005	106.3	106.8	
			@ 106.8 - deformed BCU grits - fine with 20% gouge - crushed rock, some frags of wte qtz to 2cm; local m ser		foln	50	+w clay grades to m ser	–	24006	106.8	108.2	
			@ 108.2 - 108.7 FLT ZONE - crushed rock to gouge; more gy qtz + ser in lower 25cm		gouge	30°	+m clay grades to m ser	<1/2 py	24007	108.2	108.7	
			@ 108.7 - 111.25 some deformed, irregular purplish-gy qtz as discont frags up to 5cm at start, zone variably crushed local gouge.				grades to mod chl		24008	108.7	111.25	
			@ 109.75 - 111.3 less disrupted and deformed BCU grits - sdst - local stz beds < 2cm		foln	60°			24009	111.25	112.9	
			@ 112.9 - 114.45 - as above with some more sericitic beds? fgr grits? - med - thinly bedded some minor dirty Qtz beds; minor 1-2cm bx beds.		foln gouge	55 25, 80		<1/2 py	24010	112.9	114.45	
			@ 114.45 - 115.8 more broken rubbly, + gouge.		gouge	75			24011	115.8	115.8	

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 115.8 – 117.35 BCH as above mod. deformed ± gouge zones (15%) ± more sericitic beds				± upto m ser	–	24012	115.8	117.35
									24013	STANDARD	
			@ 117.35 – 118.4 less deformed BCH. – some minor py along gfic planes		fracs	05, 25	grades to m chl	1/2 py	24014	BLANK	
					foln	70°			24015	117.35	118.4
										118.4	
			@ 118.4 – 119.2 more qtz rich zone QTZ wlt qtz veins with minor carbonate, as fragments of veins and along foln up to 5cm wide. + vuggy due to weathered out carbonate ± fine py in fracs cutting qtz frags and along edges of vns possibly assoc with 05, 45° fracs	VN	ZONE			2 py.	24016	118.4	119.2
					foln	60					119.2
					gouge	50–55					
					fracs	05, 45					
										119.2	120.4
			@ 119.2 – 120.0 – more broken and disrupted BCH as above in 115.8–117.35 more bxed, more gouge ~30%, minor cubic py		gouge		m clay	< 1/2 py	24017	119.2	120.4
					CNT	50					
120.4	123.8		Rgfp dyke green with 5% qtz eyes 0.5cm size and 15–20% euhedral to subhedral fsp phenos few mm to 0.5 cm in aph matrix				m–s ser–wchl	1–2 py			
					fracs	50, 10					
			from 120.4 – 121.9 – generally coarser grained phenos; fine fracs filled with py at 05–10 and 50° CA, occasional broken section and @ 121.5 – 10 cm of crushed rock to clay gouge; some fine qtz strgs				m–s ser wchl	1–2 py	24018	120.4	121.9
					fracs	50, 10					
					qtz strs	40–45					
			@ 121.9 – 123.8 – grades finer, harder, diffuse pale alunite ? alt'n with less silicif, more chl, chl altn of frags still see qtz eyes, fine fracs filled with py, 0 qtz ± py				w ser, mchl	3 py	24019	121.9	123.8
					fracs	20, 40, 65					
						± 20					
			– bottom 20cm appears banded. pale green to brown hornfelsed beds??		banding	60					
					CNT	60°					

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
123.8	139.0		BCU med grey mod graphitic fine clastics, moderately silicilastic to lesser qtz, more politic interbeds - deformed folded ± local gouge, generally thinly bedded, local argillaceous sections								
			@ 123.8 - 124.7 FAULT crushed rock to gouge		foln	60, 85	m clay w ser	1/2 py	24020	123.8	124.7
			@ 124.7 - 125.55 more competent py along foln with gf and in frcs @ 40° CA folding evident, some offsets along 05 frcs, minor v. fine qtz stringers and deformed wh qtz < 0.5 cm along foln bit more qtz rich clastic than previous grading to mic. qtz.		frcs frcs	40° 05			24021	124.7	125.9
			@ 125.9 - 126.6 FLT ZONE - overall finer politic sts, few arkosic?? interbeds (few cm) of fspathic sdst.		gouge	30			24022	125.9	126.6
			@ 126.6 - 128.0 - thinly bedded mod. siliciclastics - variable foln - folded gouge zone in centre		foln " " gouge	60 40 05 10	w clay	1 py	24023	126.6	128.0
			@ 128.0 - 129.55 - rubble of BCU with gy deformed? qtz with gfic strs ± py and pyritic fine clastics - very poor rec.						24024	128.0	129.55
			@ 129.55 - 131.05 - folded thinly bedded siliciclastics with fine py along foln and folded [illegible] - fairly distorted deformed.				5 py	5 py	24025	129.55	131.05

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DEPTH (metres) From	DEPTH (metres) To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Length m
			@ 131.05 - 132.8 - as above but more broken to crushed - minor possible arkosic interbed - tan colour - 5cm wide ⇔ on feldspathic sdst; - rubbly					3 py	24026	131.55	132.8	
			@ 132.8 - 133.3 V pale greenish tan colour - qtz grains few mm size, sericite-clay separating them possible fspathic sdst - grit bed or dike ??? same as tan coloured previous intervals marked as arkose to feldspathic sdst. (listw?) - qtz				m ser - clay serp.		24027	132.8	133.3	
					frcs	50						
					gouge	50						
					+ carb		altd ultramafic ??	2-3 py	24028	133.3	134.7	
			@ 133.3 - 134.7 qtz rich siliciclastics to mic qzte; Dmed grey; med gfic minor D qtz stringers; rubbly									
			@ 134.7 - 135.65 more deformed mbed. bedded siliciclastics to locally mic. qtze; locally w clay-ser altd, Dminor qtz-carb strs; fine py in more gfic, less siliceous zones		CNT	45	± w clay-ser.	1 py	24029	134.7	135.65	
					foln	10						
					foln	45						
					strs	05, 25						
			@ 135.65 - 137.15 deformed more pyic ± 5% wte deformed qtz veinlets ± folded along foln; Dminor later qtz-carb strs to grades to cherty lat bottom				± w ser ± v w sil	3 py	24030	135.65	137.15	
					frcs	80, 45, 30						
					qtz-carb	30°						
			@ 137.15 - 138.05 cherty @ start but overall more thinly bedded siliciclastics up to 1cm beds; fine py esp in more gfic sections 10% gouge near bottom				± w sil	1 py	24031	137.15	138.05	
									24032	STANDARD		
			~2-3% wte deformed qtz stringers along foln and x cutting		strs	30°						
					gouge	70°						
			@ 138.05 - 139.0 argillaceous to cherty possibly m sil, Dmin irreg discont qtz + qtz-carb stks ± broken				m sil	1 py	24033	138.05	139.0	
					qtz	20						
					q-carb	45						
			Sharp CNT - not ll foln		CNT	55						

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
139.0	143.3		Felsic Dyke or (possible talc altd um) light green, equigranular, fine grained with qtz, clay-ser after fsp, weak foliation				wm ser-chl-clay ± w talc				
			@ 139.-139.9m - pale green, broken up with qtz-carb stringers; qtz grains 1-2mm and clay-ser altd fsps ± chl		qtz-carb	05-25	m ser-w chl w clay w talc		24034	139	139.9
									24035	BLANK	
			@ 139.9-141.1 as above with 30% qtz-qtz carb vn zone (QTZ VN ZONE)								
			@ 139.9-140.2 - qtz carb vnlets ± sheeted vnlets within zone ± py almost chalc margins, some rose cab patches - w-m sil. overprint		qtz carb	30°	w-m sil.		24036	139.9	140.2
			@ 140.2-140.6 host rock few narrow qtz-carb strs						24049	140.2	140.6
			@ 140.6-141.1 - 90% wtr. qtz somewhat irregular orientation but sharp ± gouge margins, ± fine anorphous qtz rims, ± py as fine discont strs and aggregates within qtz to 1cm		qtz	85, 40 70, 50		1-2% py	24050	140.6	141.1
			@ 141.1-143.3 - grades more chl-altd, appears coarser grain size - due to chl altd grains or phenos								
			@ 141.1-142.3 chl altd grains or phenos - 25-30% 1-2 mm size Unusual qtz-carb stringers and vnlet grades more clay-ser gouge down hole and more chl.		py frags qtz vn gouge	30 85 20-30	m chl m ser w clay	1-2 py	24037	141.1	142.3
			@ 142.3-143.3 - more chloritic less ser darker green colour, almost mg size but not biotite. - talc altd unmafic?		foln	85	m-s chl w ser w talc	1/2 py	24038	142.3	143.3
			numerous qtz-qt carb stringers sharp CNTC		strs CNT	35, 50 75°					

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DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
143.3	153.9 EOH		BCU - fine clastics med grey local darker sections due to graphite - overall siliciclastic thinly bedded few mm to 1cm width, local more argillaceous interbeds - few cm, ± ribbon chert looking, quite deformed, folded, local bx, broken								
			@ 143.3 - 144.85 - CNT, ZONE silicified siliciclastics with slices? of Dyke? unit as at 139.0-143.3 up to 25cm wide forming 25% of zone. fine py along foln in clastics		foln CNTS	40 55, 45	w-m sil, w ser - clay	2 py	24039 24040	143.3 DUPLIC	144.8
			@ 144.85 - 146.3 - 5% of zone is Dyke? unit which is crushed, more clay altered, otherwise deformed siliciclastics with fine dissem py. local folding ± bxed layers. + minor deformed wte qtz strs.		CNT	45	± w-m clay - ser	1 py	24041	144.85	146.3
			@ 146.3 - 147.0 BCU more broken up ± cherty minor fine q strs - discont.		gouge	60, 50	± vw sil		24042	146.3	147.0
			@ 147.0 - 149.5 as above slightly fewer broken + gouge zones few mod bedded zones with more lt grey ~~ARC~~ silici-clastic beds up to 10cm and cherty beds to 10cm		gouge	30		1 py	24043	147.	149.5
			@ 149.5 - 150.7 v broken almost graphitic qte.					tr py	24044	149.5	150.7
			@ 150.7 - 152.4 lighter grey minor qtz minor clay-carb strs fine py in frcs some offset of qtz strs along 20° frcs		py frcs	20		1 py	24045	150.7	152.4

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			@ 152.4 - 153.9 BCH fine siliciclastics thinly bedded minor qtz stringers ± pitted texture due to weath out carb strs, local slicks on frcs ± bxed. minor qtz strs					1-2% py	24046	152.4	153.9
								disSem	047	STANDARD	
									048	BLANK	
			EOH.								