

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-242	0	0.6	OVB								N													
EC19-242	0.6	7.75	QAS	SCH-yl	Patchy, pale pinkish red to greyish green. Blue quartz eyes 1-5 mm in size. Foliaform quartz contains rusted py.	hem	Str	ser	Mod	Patchy alteration.	N	EPy						Trace: rusted pyrite.						
EC19-242	7.75	8.05	QV		White quartz vein. Trace boxwork pyrite. Sericite on vein margins. Rusted on downhole margin.						N							Trace boxwork py.						
EC19-242	8.05	31.75	QAS		Greenish grey with patchy oxidation staining. Large foliaform qtz section from 11.5 to 12 m with chl and py in vein selvages. Blue qtz eyes 1 mm to 1 cm. 2 mm white feldspar porphyries.	ser	Mod	lim	Mod	Pervasive ser; patchy lim.	N	EPy						Trace, rusted py.	1					
EC19-242	31.75	31.9	QV		Milky white with patchy oxidation. Recrystallized 1.5 cm fg py bleb with galena in center. Drusy quartz in vugs. Several 0.5-1.5 cm size py blebs.						N	APy	3	Gn	1									
EC19-242	31.9	38.4	QAS		Medium grey to greyish green with light blue and white quartz eyes disseminated throughout. Well-foliated at shallow angles. Several x-cutting qtz veins (~6). Patchy limonite/oxidization and manganese along fractures	lim	Wk	carb	Wk	Limonite staining along fractures. Carbonate as stringers x-cutting.	N	EPy	0.1					Trace rusted py.	1					
EC19-243	0.5	2.6	OVB								N													
EC19-243	2.6	24.18	QAS		Medium grey to greenish grey with local, patchy light pinkish red hematization from 3.5-14.0 m. Vfg with light blue and white quartz eyes 1 mm to 1 cm in size. Local, mm-size, wispy carb stringers x-cutting. Section of broken, gougey, locally brecciated and faulted rock near top of hole. 1.4 m of core loss of interval.	ser	Mod	hem	Wk	Locally strong, patchy hematite near top of hole. Local, weak carb alteration as stringers.	N	EPy	0.1					Trace, very finely disseminated fresh py.	2					
EC19-243	24.18	24.45	QV		Milky white with patchy oxidization and local vugs (possibly boxwork py) up to 1 cm in size. 1% fg euhedral to blebby, recrystallized and ragged py with oxidation haloes around rim. 0.5% gal mixed with larger py blebs.						N	EPy	1	Gn	0.5			Fg to blebby py partially oxidized along rims and locally mixed with galena.						
EC19-243	24.45	60.06	QAS		Medium grey to light greenish grey in areas of increased ser alteration. Vfg with light blue and white qtz eyes 1-5 mm in size are smaller and less frequent than the previous QAS interval. A large fault is present with gouge, local brecciation and zones of rubble. Quartz sweets increase in frequency compared to above. Disseminated magnetite blebs up to 0.5 cm wide noted between 36 and 38 m. Mm-size, wispy, carbonate stringers x-cutting unit.3.6 m of core loss over this interval. Local hematite staining occurring at 40 m to 59 m; locally pervasive.	ser	Mod	hem	Wk	Sericite alteration pervasive throughout. Carb as wispy, x-cutting stringers. Local hem staining on fracture surfaces as well as localized pervasive and patchy.	N	Py	0.1	Mag	0.1			Trace, fresh, vfg disseminated py. Local disseminated magnetite between 36-38 m up to 1%.	4					
EC19-243	60.06	60.18	QV		12 cm wide quartz vein; milky white; oxidization coming in along fractures; localized vugs with minor re-crystallization;	lim	Tr				N													
EC19-243	60.18	66.9	QAS		Greyish green with localized pervasive to patchy hematite stained qtz bands. Wispy carb stringers x-cutting throughout. Increase in white qtz eyes near end of interval.	ser	Mod	hem	Mod	Pervasive mod ser alteration and pervasive to patchy local hem staining of qtz/feld bands. Minor lim along fractures. Small, wispy carb stringers throughout.	N	EPy	0.1					Vfg fresh euhedral py as disseminations and along frature surfaces.	0					
EC19-243	66.9	67.06	QV		Milky white with local oxidation staining along fractures. Localized vugs and minor wall rock inclusions up to 3 cm in size. Fairly fresh 2% py blebs are fg and re-crystallized, often occurring with 1% galena.	lim	Tr			Trace lim staining along fractures.	N	EPy	2	Gn	1			Fg, fairly fresh py blebs often occurring with galena.						
EC19-243	67.06	70.1	QAS		Light grey to light greyish green. Increase in white qtz eyes compared to previous interval that are 0.5-2 cm wide. Several (6) x-cutting qtz veins with py mineralization. Increase in wispy, x-cutting carb stringers.	ser	Mod	carb	Wk	Pervasive mod ser alteration throughout. Increase in wispy carb stringers. Trace lim along fracture surfaces.	N	EPy	0.1					Fairly fresh, euhedral, vfg py disseminated throughout.	0					
EC19-244	4.3	4.57	OVB								N													
EC19-244	4.57	7.45	QAS		fault after 5.7m.	lim	Str	chl	Mod	strong limonite alteration appears to be entering the rock through micro fractures, dark green chlorite bands foliated as thin strings.	N	Qtz	40	Chl	40	EPy	5	large blue qtz eyes (5mm) throughout. dark green banded chlorite. rusted pyrite cubes clustered near quartz veins	10					
EC19-244	7.45	7.62	QV		in fault.	lim	Mod			limonite travels through microfractures and leaves an orange footprint.	N	Qtz	99	EPy				trace pyrite. sucrosic texture in vugs.						
EC19-244	7.62	19.25	QAS		fault up to 8.95m.	lim	Mod	carb	Wk	limonite alteration throughout interval and very strong around 16m. calcite content increasing towards end of interval.	N	Qtz	30	Chl	50	EPy		large blue qtz eyes (up to 1cm) may display sense of shear orientation. it appears that the left side of the winged porphyroblasts is more commonly higher than the right wing. spotted chlorite at 10.6m-10.9m becomes stretched into bands of crenulation from 13m-14m. trace pyrite near QVs	20					
EC19-244	19.25	19.35	QV		shattered pieces of quartz.	lim	Str			limonite becomes orange clay.	N	Qtz	99	EPy				trace pyrite.						
EC19-244	19.35	39.3	QAS		white quartz eyes and green chlorite throughout interval.	lim	Str	hem	Mod	limonite throughout interval. hematite stops around 32m.	N	Qtz	20	Chl	50	Cal	10	quartz eyes become increasingly white and small and less abundant towards end of interval. about 10% biotite found on fresh surface of 28.6m. hollowed out pieces of core from rusted pyrite become abundant from 33m-37m.	30					
EC19-244	39.3	42.2	QV Zone		cloudy looking foliaform quartz sweat that stretches out for 3m.	carb	Str	lim	Mod	strong patchy carbonate. moderate patchy limonite.	N	Gn		EPy		Chl	30	trace galena and pyrite. galena only found in quartz. pyrite found in both quartz and chlorite. bands of chlorite found throughout.	70					
EC19-244	42.2	59.6	QAS	SCH-yl	quartz eyes found. spotted chlorite from 48.77m-52m. moderate SCH-yl texture throughout interval from sericitization.	hem	Mod	ser	Mod	hematite alteration turns core pink at 43m, 49m, 51m, 52m. strong hematite from 56-59m. weak limonite alteration comes and goes to turn core orange every now and again. sericite alteration fades in and out of intensity, becoming most intense around 53m.	N	Chl	60	Cal	5	Qtz	20	chlorite becomes more abundant and is spotted in some areas. qtz eyes become more abundant and larger in size (5mm) and become blue again. clusters of anhedral pyrite rarely found in foliated chlorite. strong patchy carbonate found throughout interval.	20					
EC19-244	59.6	59.83	QV		milky white QV with small vugs and trace galena.	lim	Tr	chl	Wk	trace limonite found on edges of QV. weak chlorite within microfractures in vein.	N	Gn			APy		Qtz	99	tiny blobs of galena found around 59.75m around the core, possibly a big blob in the middle of the core sample. trace anhedral pyrite found in one blob of galena					
EC19-244	59.83	65.53	QAS	SCH-yl	weak skeletal texture is observed from 63m-65m. quartz eyes become dark grey and display less strain. foliation approaches sub-parallel to long core axis.	hem	Str	ser	Mod	hematite alteration starts at 61m and goes on until end of interval. sericite is found throughout the interval and is strong at 64m.	N	Chl	60	Cal	3	APy		trace pyrite. forms in clusters in foliaform quartz sweets and desiminated in host rock. weak pervasive carbonate throughout. calcite strings found randomly throughout interval and concentrated near 63.8m.	20					
EC19-244	65.53	65.67	QV		milky white quartz with vugs and drusy texture with transparent euhedral quartz inside.	carb	Str			strong patchy carbonate.	N	Cal		Qtz	99									
EC19-244	65.67	75.85	QAS		blue irregular shaped quartz eyes. skeletal texture throughout interval looks like foliaform quartz is absorbing other minerals.	hem	Mod	carb	Mod	hematite staining on foliaform quartz throughout interval. moderate patchy carbonate.	N	Chl	40	Cal	2	EPy		trace disseminated euhedral pyrite. foliated chlorite. calcite strings randomly placed.	50					
EC19-244	75.85	75.97	QV		milky white quartz with abundant microfractures and fault breccia proceeding towards downhole.	carb	Str	lim	Mod	strong patchy carbonate. moderate limonite along microfractures.	N	APy	1	Gn		Cal	2	2cm cluster of anhedral pyrite. trace galena. patchy calcite.						
EC19-244	75.97	96.01	QAS		strongly foliated with irregular shaped quartz eyes. some evidence of hydrothermal alteration throughout. many fault zones possibly due to brittle kink folding. abundant feldspar phenocrysts. highly silicified throughout.	carb	Mod	sil	Mod	moderate patchy carbonate throughout. calcite veinlets. weak hematite staining at 88.5m. moderate limonite from 85.3m-86m. weak sericite alteration in fault zones. becomes increasingly more silicified towards bottom of hole.	N	EPy		Cal	2	Chl	30	trace disseminated fine grained euhedral pyrite in host rock throughout entire interval.	60					
EC19-245	0	3.95	OVB		Rubble consisting of QAS pieces; weakly oxidized.	lim	Wk	ser	Mod	Weakly oxidized with moderate pervasive sericite.	N													
EC19-245	3.95	4.75	QAS		Medium grey QAS with pervasive sericite alteration as well as moderate local patchy oxidation (lim); broken upper and lower contacts with trace gouge occurring at the lower contact with QV. Unit is moderately foliated (shallow). Local 2-5 mm wide vugs going along foliation with limonite infilling.	ser	Mod	lim	Mod	Moderately oxidized - patchy local; Moderately sericite alteration - pervasive.	N	EPy	0.5					Disseminated, fine grained (approx. 1 mm), euhedral, oxidized pyrite going along foliation.	0					
EC19-245	4.75	5	QV		Approx. 25 cm wide quartz vein - broken rubbled lower contact. Minor gouge occurring at the upper contact of vein. Milky white quartz with patchy local oxidation. Fine grained, euhedral, oxidized pyrite, disseminated. Irregular non-uniform upper contact. From 4.90 to 5.0 m quartz vein is rubbled and broken with pieces ranging from 1 cm to 5 cm.	lim	Wk			Patchy local oxidation predominately along fractures.	N	EPy	0.1					Disseminated, fine grained, euhedral, oxidized pyrite.	0					
EC19-245	5	11.05	QAS		Same unit as above. Medium grey to rusty orange QAS with pervasive moderate sericitization. Local patchy to pervasive oxidation - oxidation becoming stronger as we get closer to fault at 7.40 m. Local vugs (2-5 mm wide) with limonite infilling. along foliation. Moderately foliated (shallow). White circular to semi-circular quartz eyes ranging in size from 2-5 mm wide.	lim	Mod	ser	Mod	Moderate patchy to pervasive oxidation - pervasive in fault. Sericite alteration is pervasive throughout interval.	N	EPy	0.1					Disseminated, fine grained, euhedral, oxidized pyrite.	0.5					
EC19-245	11.05	11.25	QV		Approx. 15 cm wide broken up quartz vein. Milky white with local vugs.	lim	Tr			Trace - oxidation along fracture surfaces.	N								0					
EC19-245	11.25	13.35	QAS		Light grey QAS with pervasive sericite alteration; white to blue quartz eyes varying in size from 5 mm to 0.5 cm. Patchy localized oxidation occurring in circular patches as well. MnO coming in along a fracture and in vugs (~11.50 to 11.60 m). Moderately foliated (shallow).	ser	Str	lim	Wk	Strong sericite alteration that is pervasive throughout interval; Local patchy to circular oxidation occurring throughout interval.	N	EPy	0.1					Disseminated, very fine grained, euhedral, partially to completely oxidized.	0					
EC19-245	13.35	13.7	QV		Approx. 35 cm wide QV with broken upper contact. Milky white with oxidation coming in along fractures - moderate. Local vugs (~2 mm up to 2 cm wide). Very fine grained to fine grained, euhedral, partially to completely oxidized.	lim	Mod			Moderate oxidation - coming in along fractures.	N	EPy	0.1					Disseminated very fine grained to fine grained, partially oxidized to completely oxidized, euhedral pyrite.	0					
EC19-245	13.7	14.8	QAS		Light grey/ green QAS with white to light blue quartz eyes ranging in size 2 - 7 mm - circular to augen in shape. 4 cross cutting quartz veins occurring in approx. the same orientation within 70 cm. Local vugs (~") along foliation as well as disseminated, infilled with MnO. Patchy local weak oxidation throughout interval. Sericite alteration is not as strong as previous QAS unit.	lim	Wk	ser	Wk	Weak patchy local oxidization; Sericite weak pervasive.	N	EPy	0.3					Disseminated, very fine grained to fine grained, euhedral, completely oxidized pyrite.	5					
EC19-245	14.8	15.25	QV		Approx. 35 cm wide quartz vein with rubbled wall rock (chips ~ 5mm to 1 cm wide) occurring at the lower contact and pieces of quartz vein. Milky white with oxidation along selvages and along fractures. Trace hematite, oxidized, fine grained, euhedral pyrite.	lim	Wk			Weak oxidation along selvages predominantly and along fractures; strong in wall rock chips.	N	EPy	0.1					Disseminated, fine grained, completely rusted out, euhedral pyrites.	0					
EC19-245	15.25	17.6	QAS		Medium grey QAS with local pervasive oxidation (rusty orange - tan) occurring at the upper contact of the unit to approx. 15.60 m. White circular to augen shaped quartz eyes ranging in size from 2 mm to 0.5 cm wide. Trace hematite occurring along fractures as well as staining quartz rich layers. Wispy cross cutting carbonate stringers occurring in approx. the middle of the unit - 30 cm section. Local vugs occurring along foliation. Moderately foliated (shallow).	lim	Wk	hem	Tr	Local pervasive oxidation occurring at upper contact; Trace hematite along fracture surfaces as well as in quartz rich layers.	N	EPy	0.1					Disseminated, very fine grained, completely oxidized, euhedral to sub-hedral pyrite.	1					
EC19-245	17.6	17.8	QV Zone		Appears to be a large foliaform quartz sweat. Milky white with white carbonate alteration occurring in blebs. Local vugs 2-3 cm wide with MnO infilling as well as along fractured surfaces.	carb	Mod	mno	Tr	MnO - Occurring in vugs and along fracture surfaces; Carbonate - white blebs throughout quartz sweat.	N													
EC19-245	17.8	24.4	QAS		Medium grey / green transitioning to light grey / cream at approx. 23.25 - possible bleaching due to large x-cutting QV. Sericite alteration is locally strong pervasive to weak. Local patchy oxidation. Small fault occurring in this interval. Trace local hematite staining along fracture surfaces predominantly occurring at the start of the interval. White quartz eyes are circular to augen shaped ranging in size from 4 mm to 1 cm in size. Small faulting occurring in interval - see faults table.	ser	Mod	lim	Tr	Sericite alteration ranging from locally pervasive, strong to moderately; Limonite occurring along fracture surfaces.	N	EPy	0.1					Very fine grained, euhedral, partially oxidized pyrite. There is an increased amount of pyrite occurring along foliation at the color change of grey to light grey tan.	1					
EC19-245	24.4	24.8	QV		Large x-cutting quartz vein with branching vein; Milky white with oxidation along fractures as well as MnO - predominantly along selvages. Uniform upper contact wct with a non-uniform bottom contact. Cream to rusty orange carbonate alteration occurring along fractures; large blebs of very fine grained re-crystallized, euhedral pyrite partially oxidized to completely.	carb	Wk	lim	Wk	Carbonate occurring along fractures as well as limonite and MnO.	N	EPy	0.1					Blebs of very fine grained re-crystallized pyrite, partially to completely rusted out.	0					
EC19-245	24.8	25.2	QAS		Same as above - 17.8 - 24.4 m "Medium grey / green. Sericite alteration strong pervasive. White quartz eyes are circular to augen shaped ranging in size from 4 mm to 1 cm in size.	ser	Str			Sericite alteration is strong pervasive over interval.	N	EPy	0.3					Very fine grained, euhedral, partially rusted out, disseminated with slightly more pyrite occurring in interval than previous.	30					
EC19-245	25.2	25.3	QV		Large 10 cm foliaform quartz vein; milky white. Irregular upper and lower contacts. Trace carbonate coming in along fractures. Very fine grained, euhedral, partially oxidized pyrite - trace.	carb	Tr				N	EPy	0.1					Very fine grained, euhedral, partially oxidized pyrite - trace.	100					
EC19-245	25.3	33.65	QAS		Dark grey grading into lighter grey as we go down interval. Possible bleaching at lower contact due to large quartz sweat at bottom contact. Small faulting occurring in this interval with 0.2 m of core loss - see fault table. Local vugs (2-5 mm wide) occurring along foliation in concentrated areas. White wispy carbonate stringers x-cutting core as well as in quartz rich layers. White quartz eyes predominantly augen shaped up to 5 mm wide.	ser	Wk	carb	Tr	Sericite - weak pervasive; Carbonate - occurring as wispy cross cutting stringers locally, as well as in quartz rich layers.	N	EPy	0.1					Disseminated, very fine grained, euhedral, completely oxidized pyrite.	0.5					
EC19-245	33.65	34.3	QV Zone		Large interconnected quartz sweets with large wall rock inclusions up to 10 cm. Milky white with white weak patchy oxidation along fractures. Trace Pyrite occurring as re-crystallized fine grained, euhedral pyrite occurring in sub-hedral shapes.	carb	Wk	lim	Tr	Carbonate - occurring along fractures in blebs; Oxidization also along fracture surfaces.	N	EPy	0.1					Trace Pyrite occurring as re-crystallized fine grained, euhedral pyrite occurring in sub-hedral shapes.	100					
EC19-245	34.3	48.95	QAS		Medium to light grey QAS grading in and out of medium to light grey. 34.3 m to 38.0 m consists of medium grey grading to light grey and then at approx. 42 m unit grades back into a medium grey. In the lighter grey zones sericite alteration is strong and pervasive with in the medium grey zones we see weaker sericite alteration but still pervasive. Patchy small faulting throughout this interval - see fault table with 0.40 m of core loss over this interval. Local vugs along foliation in concentrated sections - 2 - 5 mm wide. Patchy oxidation along fracture surfaces as well as along foliation. White wispy cross cutting carbonate strings occurring throughout interval in trace amounts. At 43.10 - 43.30 m there is a small slip surface with gouge occurring. Hematite becoming patchy pervasive after 46.20 m to end of interval.	ser	Mod	lim	Wk	Sericite - locally strong pervasive to weak pervasive; Limonite - occurring along fracture surfaces as well as patchy along foliation. Carbonate - occurring as wispy cross cutting stringers. Hematite becoming strong patchy pervasive after 46.2 m to end of interval.	N	EPy	0.3					Disseminated, fine to medium grained pyrite, euhedral, partially oxidized.	5	Slip Surface	20			
EC19-245	48.95	49.4	QV		Large 45 cm wide quartz vein; milky white with trace carbonate. Trace oxidation coming in along selvages. Local vugs 1-2 cm wide.	lim	Wk	carb	Tr	Oxidization along fractures near selvages; Patchy trace carbonate alteration	N													

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-245	49.4	65.75	QAS		Light to medium grey QAS with local, patchy to pervasive hematite alteration, as well as moderate sericite alteration. Local, small faulting in interval. White, wispy, x-cutting carb stringers. Predominantly white, qtz eyes ranging in size 3 to 5 mm wide.	ser	Mod	hem	Mod	Sericite - moderate pervasive; Hematite patchy to locally pervasive	N	EPy	0.5					Disseminated, fine to medium grained, euhedral pyrite. One clot with fine grained, recrystallized pyrite.	1					
EC19-245	65.75	66.45	QV		Broken rubbled quartz vein with section of QAS in between (66 m to 66.25 m); milky white with oxidation along fracture surfaces - trace.	lim					N													
EC19-245	66.45	74.68	QAS		Light to medium grey QAS; Locally strong pervasive sericite alteration to weak pervasive. Weak faulting at the upper contact with a small amount of gouge along fracture surfaces. Trace oxidation coming in along fractures predominantly at upper contact to 69.20 m. Wispy white carbonate / quartz stringers cross cutting. White circular to augen shaped quartz eyes ranging in size from 2 - 4 mm wide. Local vugs occurring along foliation. 2 Slip surfaces with gouge along the fractures - see structures. E.O.H.	ser	Mod	carb	Tr	Sericite as pervasive alteration throughout the interval; Carbonate - as wispy cross cutting stringers. Oxidization at the upper contact along fractures.	N	APy	1						Pyrite - fine to medium grained, disseminated, anhedral to some minor euhedral, there is more pyrite in this interval than previous intervals.	5	Slip Surface	30	Slip Surface	35
EC19-246	0	3.05	OVB								N													
EC19-246	3.05	3.97	QAS		Small section of rubbly and faulted QAS with texturally destructive, pervasive, intense rusty orange limonite alteration at top of hole preceding QV. White, up to 3 mm qtz eyes and moderate foliation visible locally. Approx 0.5% highly oxidized, 1-2 mm euhedral pyrite noted locally.	lim	Str			Strong to intense, texturally destructive, rusty orange limonite alteration at top of hole.	N	EPy	0.5					Highly oxidized, 1-2 mm euhedral py noted locally in less altered sections.	0					
EC19-246	3.97	4.6	QV		Large, milky white qtz vein with local vugs and trace limonite staining along fracture surfaces. Vein is broken and rubbly overall with significant core loss and no lower or upper contact could be determined. Two small, 2 - 3 mm blebs of partially oxidized, recrystallized py. Core loss of 0.95 m over interval.	lim	Wk			Weak limonite along fracture surfaces.	N	APy	0.5					2-3 mm blebs of partially oxidized, recrystallized py.						
EC19-246	4.6	61.9	QAS		Medium grey to light greyish green, fg, strongly foliated QAS with weak to mod pervasive ser, patchy, weak hem and local, intense, pervasive to weak to mod fracture-controlled lim alteration. Blue to white qtz eyes range from 1 to 5 mm in size. Large qtz sweets and foliaform veins up to 25 cm wide. Thin, mm-size white carb stringers x-cutting throughout. Several fault zones present from top of hole to 32.7 m. Trace to 0.5% locally blebby to euhedral, disseminated fresh to partially ox py ranging from 1 to 3 mm. Total core loss of 1.5 m from 3.05 m to 9.3 m in fault zone. Local gougey hem and/or ser coated fractures. Carb stringers increase in frequency and size (up to 5 mm) near 46 m.	ser	Wk	lim	Mod	Unit is weakly to locally mod ser altered. Local weak, patchy hem alteration noted from 21.75 to 22.86 m. Intense, texturally destructive lim alteration from top of hole to 9 m where alteration intensity becomes more weak to mod and fracture-controlled. Thin, mm-size white carb stringers x-cutting throughout that increase in frequency and size (up to 5 mm wide) near 46 m. Appear almost stockwork in some areas.	N	Py	0.1					Trace to 0.5% locally blebby to euhedral, disseminated fresh to partially ox py ranging from 1 to 3 mm.	10	Fracture	15	Fracture	20	
EC19-246	61.9	62.3	QV		Large, milky white qtz vein with very trace lim staining along fracture surfaces and patchy chl alteration locally throughout. Trace, fg py noted along vein margins.	lim	Tr	chl	Tr	Patchy local chl throughout with very trace lim staining along fracture surfaces.	N	Py	0.1					Very fg py disseminated along vein margin, difficult to tell if euhedral.						
EC19-246	62.3	100.58	QAS		Medium grey to greenish grey, fairly fg, well foliated QAS with weak pervasive ser and patchy weak light pink hem alteration throughout. Blue and white qtz eyes present throughout ranging from 1-7 mm in size. Several x-cutting qtz veins up to 5 cm wide noted with py min. Carb stringers and veinlets 1-5 mm in size appear almost stockwork locally. Trace lim noted along fracture surfaces. EOH at 100.58 m.	carb	Wk	hem	Wk	Trace lim staining on fracture surfaces. Carb stringers and veinlets x-cutting throughout appear almost stockwork in places. Weak ser and weak patchy hem in groundmass. 1 m section from 96-97 m with an almost bleached appearance where carb alteration and qtz veining increase.	N	EPy	0.5					Trace finely disseminated euhedral py throughout, particularly near qtz vein contacts.	2					
EC19-247	4	4.15	OVB								N													
EC19-247	4.15	8.6	QAS		med grey; bqe's approx 2-5mm; qtz sweets appear locally pygmatically deformed;	hem	Wk		Wk	patchy hematite alteration; pervasive weak sericite alteration	N	EPy						trace rusted euhedral py						
EC19-247	8.6	9.3	QV		also in vein table; highly fractured; rusted; chlorite on vein selvages; trace boxwork py; partially rubbled qv;	oxi	Mod			pervasive	N							barren						
EC19-247	9.3	28.5	QAS		med grey; abundant bqe's up to 1cm wide; locally faulted and brecciated; fold apparent by change in foliation; 1mm calcite veinlets	hem	Str	ser	Str	patchy strong hematite alteration; pervasive strong sericite alteration	N	EPy						trace rusted euhedral py						
EC19-247	28.5	28.8	QV		in vein table; white QV containing chl on vein selvages; weakly rusted; moderately fractured; broken QV;	oxi	Wk			along fractures	N							barren						
EC19-247	28.8	39.4	QAS		abundant bqe's 2-10mm; some bqe's appear stretched along foliation; 1mm calcite veinlets;	hem	Str	ser	Str	patchy strong hematite alteration; pervasive strong sericite alteration	N	EPy						trace rusted euhedral py						
EC19-247	39.4	39.8	QV		in vein table; likely foliaform qtz sweat; abundant chlorite incorporated into qtz; 1-3mm calcite veinlets cross cutting vein;						N	EPy						trace rusted epy						
EC19-247	39.8	55	QAS		med grey; abundant bqe's 1-8mm; white rectangular feldspars 3mm; 1mm calcite veinlets; faults in unit exhibit bleaching on margins up to 20cm wide;	ser	Str			pervasive sericite	N	APy		EPy				trace, fresh apy; trace rusted epy						
EC19-247	55	55.2	QV		in vein table; white qv with strong oxidation on fractures;	oxi	Str			concentrated along fractures	N	APy						trace fresh apy						
EC19-247	55.2	114.3	QAS		med grey; patchy pervasive hematite alteration; euhedral rectangular white feldspar (plag) crystals visible, up to 10%; approx 1-3mm; weak patchy oxidation; strongly foliated; no apparent crenulation; abundant xcut QV's; several intervals of broken core; abundant bqe's up to 5mm;	hem	Str	ser	Mod	patchy pervasive hematite alteration; moderate pervasive sericite alteration	N	APy		EPy				trace fresh apy and epy						
EC19-248	0	4.35	OVB		Grey rounded and re-drilled pieces						N													
EC19-248	4.35	69.6	QAS		Medium to dark grey with localized zones of bleached cream QAS. At upper contact interval is broken and rubbled up to approx. 10.80 m. Top of interval is pervasively oxidized (Fe) as well as weak MnO. Locally occurring vugs along foliation throughout interval. Local carbonate alteration going along foliation - trace as well as localized wispy white carbonate cross cutting stringers. Quartz eyes are white to light blue in color ranging in size from 3 to 7 mm wide. Localized weak sericite alteration. There are several faults in this interval - see fault table; 3.4 m of core loss over interval. Localized weak to pervasive hematite alteration. Local bleached zones occurring at 30.3 to 30.7 m and 33.65 - 34.50 m possibly due to faults. Interval is well to moderately foliated predominantly shallow. Local pervasive sericite alteration. This interval has up to 8 cross cutting quartz veins.	lim	Wk	hem	Tr	Localized pervasive to patchy weak limonite. Hematite - is locally pervasive to weak. Carbonate occurring along foliation as well as in cross cutting wispy stringers - trace. Local pervasive sericite alteration.	N	EPy	0.1						Disseminated very fine grained euhedral completely oxidized pyrite. Local pyrite concentration along foliation associated with carbonate alteration at 15.25 m. Locally up to 3% pyrite.	0.5				
EC19-248	69.6	70.1	QV		Broken upper contact with a branching cross cutting QV at the lower contact. Rubbled QV fragments with some wall rock fragments in the middle of the interval at (69.75 - 69.85 m). 10% wall rock fragments that appear to be re-drilled. Milky white with local vugs up to 2 cm wide with re-crystallization. Trace carbonate alteration coming in along fracture surfaces. Fine grained, fresh, euhedral pyrite - 0.1% with some having a oxidation rim around the pyrite.	carb	Tr	lim	Tr	Trace carbonate alteration coming in along fracture surfaces	N	EPy	0.1					Fine grained, fresh, euhedral pyrite - 0.1% with some having a oxidization rim around the pyrite.						
EC19-248	70.1	100.58	QAS		Medium to light grey QAS with predominantly white quartz eyes ranging in size from 5 mm up to 1 cm wide. Local pervasive to moderate hematite staining. There are SEVERAL cross cutting quartz veins in this interval - 20+ some mineralized with pyrite, galena and sphalerite. Local pervasive sericite alteration. Foliation is shallow to locally sub parallel tca. Local wispy cross cutting carbonate stringers. E.O.H.	ser	Mod	hem	Wk	Sericite - is locally strong pervasive to moderate; Hematite is locally pervasive strong to moderate. Carbonate - occurring as cross cutting stringers.	N	EPy	0.1					Very fine grained, fresh, euhedral, disseminated pyrite.		Slip Surface	15			
EC19-249	0	2.65	OVB		Dirt and chips						N													
EC19-249	2.65	9.15	SCH-m	SCH-yl	Dark brown with patchy dark green locally banded SCH-m. Faulting occurring at the start of the interval down to 4.90 m with a total of 2.6 m of core loss over this interval. From 2.6 to 4.90 is dominantly gouge? (possible cave?) - 85% with a small rubble zone starting at 4.40 m to 4.90 m. Well foliated to banded. Patchy sericite alteration as well as along fracture surfaces. One blue quartz eye seen in this interval with the beginnings of pressure shadows on either side of the quartz eye. Patchy local trace oxidation occurring in circular blebs as well as along foliation. Rubbled lower contact. Total loss over this interval 2.6 m.	ser	Mod	carb	Tr	Sericite as moderate patchy as well as along fracture surfaces. Carbonate occurring as local patchy circular blebs.	N	EPy	0.1					Medium grained, completely to partially oxidized, euhedral pyrite, disseminated.	1					
EC19-249	9.15	19.5	SCH-i		Dark to medium green (mafic) matrix with light grey quartz rich layers / tectonized lens with sections of well laminated bands of light and dark (weak SCH-lam). Section of gouge (possible cave?) at 9.35 to 10.65 m with a large amount of core loss in section. Foliation locally pulled sub-parallel tca - 13.25 to 13.45 m. Abundant MnO along fracture surfaces as well as patchy local oxidation. Locally pygmatically folded quartz lenses. Local spotted chlorite texture at 16.75 m to 17.10 m. At 17.65 m we see a change in color to a blue - green with patchy semi circular carbonate alteration. As well the original texture seems to be obliterated by alteration. Interval is faulted at upper contact and broken up down interval. Completely oxidized, medium grained euhedral pyrite is disseminated over this interval. Local patchy sericite alteration. Total loss over this interval is 3.2 m.	carb	Wk	mno	Wk	Carbonate locally patchy to locally pervasive; MnO along fracture surfaces locally.	N	EPy	0.3						Medium grained, euhedral, completely oxidized pyrite.	2				
EC19-249	19.5	42.55	SCH-m		Dark grey - green with abundant mafics. Locally lighter green possible due to bleaching. Faulted throughout interval. Large dirty and cloudy milky white quartz sweets dispersed throughout interval. Patchy strong oxidation as well as MnO along fracture surfaces. Potentially gradational lower contact into SCH-i. Sericite alteration patchy overall but locally pervasive. Dark brown color coming in along foliation (very soft) 40.8 - 42.55 m pervasive to patchy - occurred at top of hole as well in other SCH-m interval. Also doesn't react to acid when scratched. Total loss over this interval is 4.5 m.	carb	Mod	lim	Wk	Pervasive carbonate alteration with patchy limonite.	N	EPy	1					Medium grained, euhedral, disseminated, partially to completely oxidized pyrite	5					
EC19-249	42.55	44.7	SCH-i		Medium grey - green SCH-i with a gradational lower contact with SCH-m. Oxidization becoming stronger as we go down interval. Moderately foliated throughout interval. Small millimeter sized quartz grains light blue in color to grey but not the same as the blue quartz eyes seen in QAS. Gradational lower contact with SCH-m. At the lower contact we see more of that brown soft mineral going with foliation.	lim	Wk	carb	Wk	Limonite patchy weak. Carbonate patchy decreasing in intensity as limonite increases.	N	EPy	1					Pyrite is locally up to 3% but overall 1%; Euhedral, completely oxidized, disseminated with locally concentrated at approximately 42.90 - 43.20 m.	5					
EC19-249	44.7	67.65	SCH-m		Dark grey-green to locally dark brown in color. Moderately foliated with varying concentrations of the brown soft mineral going along foliation - locally pervasive. Cross cutting wispy carbonate stringers locally. Patchy strong to moderate oxidation coming along fracture surfaces. Dirty cloudy quartz forming large sweets occurring throughout interval. Patchy faulting throughout this interval. At 51 m the foliation is locally sub parallel tca (possibly being pulled into fault). Large fault occurring at 51 m to end of interval with local sections of competent core (see fault table). Local strong pervasive carbonate alteration - 52.25 - 52.30 m, rusty orange in color.	lim	Mod	carb	Tr	Limonite staining patchy to locally pervasive. Carbonate occurring as patchy to locally pervasive in 5 cm section.	N	EPy	0.5					Pyrite - medium grained, euhedral, partially to completely oxidized, disseminated.	3					
EC19-249	67.65	70.1	SCH-i	SCH-lam	Light to medium grey / green banded SCH-i. Light grey quartz with dark green micaceous compositional banding. Well foliated but locally the texture is obliterated with the foliation appearing to be going sub parallel 68.6 to 69 m. From 68.9 to 69 m there is also the only concentration of quartz sweets in the interval. Quartz sweets are cloudy milky white, weakly pytmatically folded with discontinuous lenses. Around the quartz sweets there is a concentration of chlorite and the loss of compositional layering / original texture. Small slip surface at end of interval with minor gouge along the surface. Patchy weak sericite alteration occurring throughout interval.	ser	Wk			Patchy weak sericite alteration.	N	EPy	0.1					Trace euhedral, medium grained, completely rusted out pyrite.	20	Slip Surface	22			
EC19-249	70.1	73.45	SCH-m		Dark green grey SCH-m more massive in texture losing the compositional banding but still moderately foliated. Foliation is locally pulled sub parallel tca at 72.40 to 72.85 m. Minor local pitting. Cross cutting carbonate stringer that is 3 mm wide with MnO along the selvages. Minor rubble interval at 73.05 to 73.15 m. Sharp lower contact between SCH-m and SCH-i with increased quartz content and a light green / cream pervasive alteration? Possibly a bleached out epidote alteration?	carb	Tr	mno	Tr	Carbonate as patchy weak as well as a local cross cutting carbonate stringer. MnO along carbonate stringer as well as along fracture surface.	N	EPy	0.1					Trace euhedral, partially to completely rusted out, disseminated.	1					
EC19-249	73.45	79.25	SCH-i		Medium grey - green to light grey with a pervasive cream / green alteration (not carbonate alteration - does not react when scratched)? Possible bleaching out of mafics. Quartz rich layers appear to be unaltered. Patchy limonite - weak as well as patchy sericite alteration along fractures. Abundant cloudy, dirty quartz sweets that are foliaform. Local pitting at start of interval. E.O.H.	lim	Tr	ser	Wk	Limonite patchy trace, Sericite - patchy weak	N	EPy	0.5					Euhedral, medium grained, partially oxidized to completely oxidized, disseminated.	20					
EC19-250	0	3.05	OVB		Dirt and organic material with gouge and minor rubble mixed in.						N													
EC19-250	3.05	7.15	SCH-i		Grey - brown SCH-i with full interval faulted with gouge and large rubble zones. Original texture is obscured by faulting. 1.25 m of core loss over this interval. Sericite alteration along fracture surfaces and pervasive in rubble zones. Mno along fracture surfaces. Same dirty brown / cream colored alteration as seen in previous hole EC19-249 occurring at the bottom of the hole.	ser	Mod	mno	Tr	Sericite - along fracture surfaces - strong in rubble zones. MnO along fracture surfaces as well.	N	EPy	0.5					Medium grained, euhedral, partially to completely oxidized, disseminated pyrite.						
EC19-250	7.15	10.85	SCH-m		Dark grey - green SCH-m with localized brown banding coming in along foliation. The same brown coloration was also present in the other SCH-m from previous holes (EC19-249). Interval is well foliated but with a more massive texture than SCH-i. Abundant mafics with 1-3 cm wide dirty milky white foliaform quartz. Minor faulted section in interval with rubble and gouge at - 9.05 to 10 m with a 0.6 m of core loss. Sharp lower contact with SCH-i. Local wispy cross cutting carbonate stringers.	ser	Tr	carb	Wk	Sericite - predominantly along fracture surfaces; Carbonate alteration is patchy local.	N	APy	0.5					Medium grained, anhedral, disseminated, completely oxidized, disseminated.	15	Fault	40			
EC19-250	10.85	31.3	SCH-i	SCH-tec	SCH-i in a major fault zone. Light grey quartz rich layers in a dark grey to almost black matrix. Discontinuous and boudinaged quartz lenses. Most of interval is rubbled with gouge. Small section of where original texture isn't obliterated - quartz rich layers with dark mafic rich layers forming compositional layering. In this interval there is a 5 foot run that had zero recovery (15.24-16.76 m - possible void?); 11.8 m of core loss over this interval. Patchy circular oxidation as well as pervasive limonite staining along fracture surfaces.	lim	Mod	ser	Wk	Limonite is locally circular staining while elsewhere it is pervasive along fracture surfaces.	N	EPy	0.3					Medium grained, euhedral, partially to full oxidized, disseminated.	3					
EC19-250	31.3	67.15	SCH-m		Dark grey / green SCH-m that is well foliated but more massive in texture. Foliation is shallow to locally pulled sub parallel tca. Mafic rich with a few dirty milky white quartz sweets. Patchy local sericite alteration. Contact with previous SCH-i interval could possibly be further up in hole but impossible to tell in fault zone. Interval is in a major fault zone and is made up of predominantly broken and rubbled core with gouge. Locally pygmatically folded quartz lenses. Major core loss over this interval. Wispy cross cutting carbonate stringers - locally. Patchy weak limonite staining. In this interval we see a brown mineral? or alteration? going along foliation that is locally pervasive as seen in previous holes in the SCH-m intervals.	lim	Wk	ser	Tr	Limonite is patchy local while sericite alteration is patchy to locally pervasive.	N	EPy	0.5											

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)			
EC19-250	67.15	77.72	QAS		Similar in look to previous SCH-m but with a few white to light blue quartz eyes disseminated throughout interval. Interval has faulting throughout. Dark grey to brown - due to pervasive limonite staining. There is locally pervasive sericite alteration as well. Common dirty white quartz sweats irregular in shape throughout interval. Locally pytmatically folded quartz lenses. Foliation is locally pulled sub parallel tca. Disseminated large to medium grained, euhedral pyrite, completely to partially oxidized. Wispy carbonate stringers disseminated throughout interval. E.O.H.	lim	Mod	carb	Mod	Limonite is locally pervasive to patchy. Carbonate is locally pervasive to patchy. Sericite is weak patchy to locally pervasive.	N															
EC19-251	0	3.15	OVB		Brown clay and dirty, 100% gouge. Fault right at top of hole.						N															
EC19-251	3.15	5.65	SCH-i		Light to medium grey - green with a light blue tinge to the core. Light grey quartz rich layers with darker grey/ green banding to weakly tectonized. Top of interval is dominated by gouge with minor QV rubble (2 cm wide). Bottom of interval is also faulted with minor gouge and rubble. Sericite alteration weak along fracture surfaces. 1.3 m of core loss over this interval. Local pitting with limonite infilling. Patchy carbonate alteration that is locally moderate to locally weak. Moderate at 4.25 m and decreasing as we go down hole.	carb	Wk	ser	Wk	Carbonate is patchy locally from moderate to weak. Sericite is weak occurring along fracture surfaces. Local limonite staining infilling pitting.	N									0.1						
EC19-251	5.65	12	SCH-m		Dark green to grey with patchy brown and blue tinges. In the middle we see an increase of quartz sweats in relation to rest of interval from 7.80 to 9.15 m we see 98% of the foliaform quartz occurring in this interval. Quartz sweats are foliaform and are dirty milky white with MnO coming in along fracture surfaces. Interval is predominantly faulted with large rubble zones and minor gouge. Minor competent zone at 7.70 - 8.35 m. Patchy moderate dark brown biotite alteration to locally pervasive. Moderately foliated throughout interval ~ 30 degrees tca. 2.3 m of core loss over this interval. This unit has local clustering of euhedral, completely oxidized, medium to large grained pyrite. Local minor pitting. Sericite alteration is pervasive at top on interval to 5.75 m becoming patchy weak predominantly along fracture surfaces	bio	Mod	ser	Wk	Biotite - Patchy moderate dark brown biotite alteration to locally pervasive. Sericite is locally pervasive to patchy weak mostly along fracture surfaces. Carbonate is patchy trace as well as occurring as local cross cutting wispy stringers.	N	EPy	1							Euhedral, medium to large grained, completely oxidized, locally clustered pyrite.	3					
EC19-251	12	22.75	SCH-i	SCH-tec	Light grey quartz rich layers with dark grey to green mafic rich layers banded to tectonized. In this unit we see different variances in how much quartz rich layers vs matrix are seen. With zones of more quartz rich and minor matrix and other zones with more matrix vs quartz. Further down hole we see a decrease in the quartz rich layers and an increase in the matrix. Faulted upper and lower contacts with SCH-m at both boundaries. The upper and lower contacts between the SCH-i and the SCH-m could be further up/ down in the hole but due to faulting difficult to tell. Interval is mostly faulted with large rubble zone at top contact until ~ 15.10 m. After this point we see minor rubble zones and large clay rich, calcareous gouge zones up to 9 cm wide. A total loss of 5.2 m over this interval. Sericite alteration is patchy weak mostly along fracture surfaces. MnO staining coming in in the quartz rich layers. One large dirty milky white quartz sweat foliaform occurring in interval (9 cm) besides a small rubbled up possible QV? (3 cm wide). Medium grained, partially to completely oxidized, euhedral, locally clustered pyrite.	ser	Wk	carb	Tr	Sericite - patchy weak predominantly along fracture surfaces. Carbonate - patchy weak except in the gouge zones where it is pervasive strong. MnO staining in quartz rich layers - trace.	N	EPy	1								Euhedral, medium to coarse grained, partially to completely oxidized, locally clustered together.	0.5				
EC19-251	22.75	41.7	SCH-m		Dark green to brown with local bleaching possibly due to cross cutting QV forming a halo around it (23.10 to 23.80 m). There is another bleached zone around a 14 cm wide QV from 38.35 - 39.60 m. Faulted upper contact with patchy gouge and rubble zones throughout interval. Total core loss over this interval is 2.7 m. Dirty milky white altered quartz sweats occurring in local concentrations as well as disseminated in interval. At 28.95 to 30 m is the largest concentration of quartz sweats. Patchy brown biotite alteration occurring locally as pervasive. The biotite alteration is also concentrated around quartz sweat selvages. The unit is well foliated but more massive in texture. In this interval the foliation is locally pulled sub parallel tca while the rest is shallow. Light blue quartz eyes occurring at 33.55 - 33.75 m, disseminated in this section and not seen in the rest of the interval. Carbonate alteration occurring as wispy cross cutting stringers. Medium to coarse grained, euhedral, partially to completely oxidized, locally clustered together.	bio	Mod	carb	Wk	Biotite - Patchy moderate to pervasive alteration; Carbonate - weak pervasive. Sericite - patchy.	N	EPy	1								Euhedral, medium to coarse grained, locally clustered, completely to partially oxidized.	5				
EC19-251	41.7	80.77	QAS		Very similar in look to above SCH-m and chemically should be very similar but we start to see the appearance of white and blue quartz eyes. Dark green - grey, well foliated but more massive in texture. At 54.10 we see a change in color to a dark grey with patchy brown. Foliation is generally shallow tca through out interval but is locally pulled sub parallel tca. Quartz eyes are blue and white with more white occurring locally clustered throughout interval. Quartz eyes range in size from 2 - 4 mm wide. Dirty milky white foliaform quartz sweats are disseminated throughout interval. Local patchy biotite alteration form dark brown bands to locally pervasive. Local cross cutting wispy carbonate stringers occurring in trace amounts. MnO staining occurring along fracture surfaces - weak as well as some limonite staining as well. Fault starting at 49.2 m going to 61.10 with minor zone of fault breccia. Clasts of QAS in a matrix of clay rich gouge occurring at 49.40 to 49.8 m with minor loss. Local patchy carbonate alteration - weak. Patchy sericite alteration that is locally pervasive.	bio	Wk	carb	Wk	Biotite - patchy locally; Carbonate - cross cutting stringers as well as patchy local; MnO and Limonite along fracture surfaces.	N	EPy	0.5								Euhedral to subhedral, fine to medium grained, completely oxidized, disseminated - there is a distinct decrease in pyrite percentage.	5				
EC19-252	3.05	8	SCH-i		Well foliated, cream and gry/grn schist, typical of Nugget side of Lone Star ridge. Lower contact is soft, with the appearance of rare bq'e's, and finer laminations between micaceous layers. Likely compositionally similar. No carb altn, and virtually no py.						N	EPy	0													
EC19-252	8	11.5	QAS		Less well fol than above, and with occasional bq'e 1-2mm, in a browner litho, though likely similar composition to above unit. Presence of pervasive but weak carb sets it apart from above unit as does the higher % of py. Bq'e's disappear below 11.5m, but carb and py remain elevated.	carb	Mod				N	EPy	1													
EC19-252	11.5	70.1	SCH-i	Other	Below 20m foliations flatten to very low angles tca, indicating a very wavy schistose foliation. In places rock loses any planar fabric, replaced by brecciated zones of quartz and schist at odd angles. This is exacerbated by the low fol angle, which tends to jam in the core tube. From 35 to 41 rock is broken and weathered, gradually improving down to 48 where recovery is good. Unit could be a QAS with only sparse eyes, as it retains the brownish, and less well fol nature of the unit above. Sparse bq'e's at 46m. Carb is weak to moderate throughout and euhedral py increases below 48m into zone of quartz veining. From 53 to 57m unit picks up in clay mineral content, and becomes greener and more typical of Nugget side intermediate schist, reverting to the brownish and more granular looking phase from 57 to EOH. The "other" in texture column is due to the QAS fractured texture.	carb	Mod				N	EPy	1													
EC19-253	0	3.3	OVB		Rubble and broken pieces of SCH-m mixed in the clay rich gouge and dirt. Minor QV fragments mixed in as well.						N															
EC19-253	3.3	6.7	SCH-m	SCH-yl	Dark grey to brown with pervasive SCH-yl over print. Faulted at upper contact with minor rubble zone in middle of interval. Local pervasive biotite alteration forming bands. Limonite staining along fracture surfaces. Well foliated but more massive in nature. Moderate patchy carbonate alteration.	carb	Mod	bio	Mod	Carbonate - patchy; Biotite - locally pervasive forming bands; Limonite along fracture surfaces	N	EPy	0.1						Pyrite - medium to coarse grained, euhedral, completely to partially oxidized, disseminated,	5						
EC19-253	6.7	11.1	SCH-i	SCH-yl	Medium to dark grey SCH-i with pervasive SCH-yl over print at upper contact and decreasing in intensity as we go down hole to patchy weak. Well foliated with lighter grey quartz rich layers and darker grey micacious rich layers. Interval is faulted up to 9.30 m with a total loss of 0.75 m. Two small QV's in the faulted zone up to 6 cm - prospective looking. Local pitting infilled with limonite. Local strong concentration of pyrite - up to 5% at 7.65 - 7.70 m. Crenulated at lower contact - sub parallel tca.	carb	Mod	lim	Wk	Carbonate - patchy; Limonite - predominantly in the fault - along fracture surfaces.	N	EPy	0.5						Pyrite - medium to coarse grained, euhedral, disseminated, completely to partially oxidized, locally up to 5%.	2						
EC19-253	11.1	15.35	QAS	SCH-yl	Dark grey - brown to dark green with local patchy SCH-yl overprint. Similar in look to below SCH-m but with the addition of blue and white quartz eyes - ranging in size from 1 - 2 mm wide. Well foliated with the foliation locally pulled sub parallel tca at 14.35 - 14.6 m. Local pervasive biotite alteration. Locally crenulated 30 degrees tca. Folded quartz lenses at 14.15 to 14.35 m before foliation is pulled sub parallel. Patchy circular blebs of carbonate alteration as well as in quartz rich layers. Limonite coming in along fracture surfaces. We see a local increase in pyrite before the QV up to 3% and more fine grained. Going down interval we see an increase in foliaform quartz sweats. Local magnetite clustered around 14 m, fine grained.	carb	Wk	bio	Wk	Carbonate - patchy as circular blebs and in quartz rich layers; Limonite coming in along fracture surfaces. Biotite - weak coming in along bands.	N	EPy	0.5	Mag	0.1				Pyrite - medium to coarse grained, euhedral, completely to partially oxidized, disseminated with local clusters up 3% - near QV. Magnetite - fine grained clustered around 14 m.	5						
EC19-253	15.35	21.15	SCH-m		Dark grey to dark green more massive in texture but locally more foliated to banded (possible inter-mix of SCH-i). Dirty milky white to clear quartz sweats throughout interval. Pervasive local brown biotite alteration. Local patchy sericite alteration. Local pitting occurring after large 15 cm QV (18.75 - 18.9 m). Local spotted chlorite texture - 20.75 to 21.15 m. 2 large QV's in this interval - both about 15 cm wide. Patchy limonite coming in along fracture surfaces as well as locally pervasive at 19.65 to 20.10 m. Magnetite - medium to fine grained, clustered around 16 m and at 21 m.	carb	Mod	bio	Wk	Carbonate - patchy; Biotite - patchy but locally pervasive; Limonite - patchy and locally pervasive.	N	EPy	0.1	Mag	0.1				Pyrite - fine to coarse grained, euhedral, fresh to partially oxidized, disseminated but locally clustered after QV. Magnetite fine to medium grained clustered around 16 and 21 m.	3						
EC19-253	21.15	27.25	SCH-i		Medium to light grey SCH-i with local bleaching and limonite staining around cross cutting veins/ sweats. At these cross cutting veins/ sweats we see local concentrations of fine to medium grained, euhedral, completely oxidized. Light grey quartz rich layers with dark green micacious layers forming a well foliated unit. Locally well crenulated - sub parallel tca at 24.4 to 26.80 m. Local pervasive sericite alteration. Dirty milky white quartz sweats, foliaform occur throughout this interval.	lim	Wk	carb	Mod	Limonite locally strong/ pervasive around cross cutting veins / sweats and along fracture surfaces. Carbonate - patchy moderate throughout interval. Sericite - patchy local.	N	EPy	0.5						Pyrite - medium to coarse grained, completely oxidized, disseminated to locally clustered around a QV's - locally up to 5%.	2						
EC19-253	27.25	40.85	SCH-m	SCH-yl	Dark green to dark brown with local SCH-yl overprint. Biotite alteration forms strong pervasive banding. Well foliated but more massive in texture. Foliation locally pulled sub parallel tca - 28.55 - 30.0 m. Local strong crenulation - very shallow to almost sub parallel tca. White patchy circular carbonate alteration. Local pervasive limonite staining as well as along fracture surfaces. Medium to coarse grained, euhedral, completely oxidized, disseminated pyrite. Dirty milky white quartz sweats occur disseminated throughout the interval but increasing in number as we go down interval at - 34.20 m is the start of the increase.	bio	Str	carb	Mod	Biotite - strong locally pervasive; Carbonate - occurring as circular blebs; Limonite - locally pervasive as well as along fracture surfaces.	N	EPy	0.5						Pyrite - medium to coarse grained, euhedral, completely oxidized, disseminated to locally clustered.	3						
EC19-253	40.85	42.5	QAS		Very similar in look to above SCH-m with the addition of blue and white quartz eyes. Dark green to dark brown due to pervasive biotite alteration. Quartz eyes are 1 - 2 mm wide. Well foliated but more massive in texture. Patchy carbonate alteration as well as wispy cross cutting carbonate stringers. Crenulation cleavage at top of interval - 30 degrees tca.	bio	Str	carb	Wk	Biotite - locally pervasive to patchy; Carbonate - patchy.	N	EPy	0.1						Pyrite - medium to coarse grained, euhedral, disseminated, completely oxidized.	20						
EC19-253	42.5	52.85	SCH-m		Very similar in look to above SCH-m (27.25 - 40.85 m) but without the biotite alteration except at the top contact to 43.45 m. Possible a dark colored SCH-i? Well foliated but more massive in texture. Weakly pygmatically folded quartz lenses occurring at 48 to 49 m. Small zone of breccia with quartz clasts floating in a chlorite rich matrix at 45.80 to 45.90 m. Dirty milky white quartz sweats occur throughout this interval but most occurring at upper contact. Small faulting occurring near the end of this interval with 0.25 m of core loss. Local pervasive sericite alteration occurring at both the upper and lower contacts of the fault. Small 10 cm interval of possible QAS with a few blue quartz eyes at 47.0 to 47.10 m. Late cross cutting wispy carbonate stringers. Local chlorite spotting at 47.40 to 47.55 m.	bio	Tr	carb	Str	Botite - occurring at upper contact; Carbonate - patchy moderate.	N	EPy	0.2							Pyrite - medium to coarse grained, completely oxidized, euhedral, locally clustered to disseminated.	5					
EC19-253	52.85	55.75	QAS		Very similar in look to above SCH-m but with the addition of blue and white quartz eyes. Quartz eyes range in size from 1 - 3 mm wide. Dark grey - green QAS. Well foliated but massive in nature. Local patchy sericite alteration. Patchy pervasive carbonate alteration as well as occurring at late cross cutting stringers.	carb	Mod	ser	Wk	Carbonate - patchy pervasive; Sericite patchy.	N	EPy	0.1						Pyrite - medium grained to coarse grained, euhedral, completely oxidized, disseminated.	0.5						
EC19-253	55.75	59.25	SCH-m		Dark green - grey with local bleaching around a QV (56.4 - 56.52 m) to light grey in color. Locally pygmatically folded quartz lenses. Patchy moderate sericite alteration - mostly along fracture surfaces. Patchy pervasive carbonate alteration as well as late cross cutting wispy stringers. In addition there are cross cutting stringers of chlorite. Limonite staining coming in along fracture surfaces.	carb	Wk	ser	Wk	Carbonate - patchy pervasive; Sericite patchy	N	EPy	0.1						Pyrite - medium grained, locally clustered as well as disseminated, completely oxidized, euhedral.	5						
EC19-253	59.25	72.3	SCH-i		Light grey to light greenish grey with strong foliations that are crenulated to almost pygmatic with local fold noses. The unit has a sheared appearance overall with local limonite gouge and brecciation along fractures and an almost tectonized texture locally. Weak to moderate pervasive sericite alteration throughout with local limonite staining along fractures. Weak carb alteration as xcutting stringers and along small fractures. 0.5% oxidized euhedral py disseminated throughout groundmass.	ser	Wk	carb	Wk	Weak to moderate pervasive ser alteration throughout. Trace to weak lim staining noted dominantly along fracture surfaces. Weak carb alteration along xcutting stringers and small healed microfractures.	N	EPy	0.5						Completely ox euhedral py disseminated throughout.	3						
EC19-253	72.3	86.4	SCH-m		Medium greenish grey, moderately to strongly foliated with slightly increased chlorite content to SCH-i above. Numerous milky white, foliaform QV and quartz sweats up to 20 cm wide are locally offset and xcut by small, carbonate infilled healed fractures with local patchy chlorite. Weak, pervasive sericite alteration of groundmass present, as well as patchy carb alteration and local lim staining along fractures and within gougey, brecciated zones of weak, local faulting. Xcutting carb stringers up to 3 mm also present. 0.5% to locally 1% euhedral oxidized py disseminated throughout. 0.35 m of core loss.	ser	Wk	carb	Wk	Weak pervasive ser alteration. Weak carb as patches withing groundmass and xcutting stringers up to 3 mm wide. Local trace to weak lim staining along fractures and within gougey, brecciated zones of local faulting.	N	EPy	0.5						Oxidized, euhedral py up to 2 mm in size disseminated throughout. Locally up to 1%.	10						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
EC19-253	86.4	100.58	SCH-i		Medium to light greenish grey, moderately to strongly foliated with local pygmatic folding of quartz bands and sweats in more sheared and altered sections. Local fold noses present near 97 m where foliation flattens to become parallel TCA. Weak to locally moderate carbonate alteration present as patches within quartz sweats and groundmass and as scutting stringers with chlorite selvages. Limonite alteration also present along fracture surfaces and as patches within groundmass near EOH. Weak sericite alteration near 95 m where sheared appearance becomes stronger. Local sections of faulting < 2m wide have brecciation and lim gouge. Trace to 0.5% oxidized euhedral py dominantly associated with quartz sweats.	carb	Wk	lim	Wk	Weak to locally moderate carb alteration as patches within quartz sweats and cutting mm-size stringers with chl selvages. Lim staining noted along fractures, within fault gouge and as patches within groundmass near 97 m. Weak ser alteration noted near 96 m where the unit becomes more sheared in appearance.	N	EPy	0.1						Oxidized, euhedral py up to 2 mm in size dominantly associated with quartz sweats.	2					
EC19-254	0	7	SCH-i		med grey; top of interval is very faulted and full of gouge, some gouge is possibly cave; strong pervasive sericite alteration; total 0.7m core loss; 2% rusted epy 1-4mm; moderate patchy carb alteration including minor cross cutting carb veinlets 1-3mm; increasing carb on fracture surfaces; locally crenulated, crenulations subparallel to core axis; weak patchy limonite alteration; local porphyritic texture - appear to be porphyritic Qtz but not QAS - possibly boudinaged foliaform silica?;	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration; weak patchy limonite alteration	N	EPy	2					2% rusted epy up to 4mm							
EC19-254	7	8.85	SCH-i	SCH-tec	tectonized/pulled apart silica in dark matrix; no clear fabric remaining; weak patchy carb alteration; weak sericite alteration; interval is intermittently faulted; minor boxwork py on selvages of foliaform Qtz; limonite alteration concentrated on fracture surfaces; 1% rusted epy 1-2mm;	ser	Wk	carb	Wk	weak pervasive sericite alteration; weak patchy carb alteration	N	EPy	1					1% rusted epy 1-2mm							
EC19-254	8.85	15.6	SCH-i		med to dark grey; strongly foliated; strong pervasive sericite alteration; occasional white euhedral feldspar porphyries observed at 12-13m, approx 3mm in size; locally weakly crenulated at low angles to core axis; 1% rusted euhedral py with 1-3mm grain size, some rusted with fresh cores; weak patchy limonite alteration on fracture surfaces; minor faulting, possibly just broken core caused by weakness due to strong sericite alteration;	ser	Str	carb	Wk	strong pervasive sericite alteration; moderate patchy carb alteration; weak patchy limonite alteration	N	EPy						1% rusted euhedral py with 1-3mm grain size, some rusted with fresh cores;	1						
EC19-254	15.6	23	QAS		med grey; does not appear to differ compositionally from units above and below; strongly foliated; spotted chlorite texture which may be weak SCH-tig but chlorite spots appear somewhat circular instead of elongated wisps; blue quartz eyes present, 1-4mm, 50% blue and 50% white Qtz eyes; local weak crenulations; carb infilling small fractures; moderate patchy carb alteration; significant faulting in interval, total of 0.9m core loss; 1% rusted epy 1-4mm grain size; moderate pervasive sericite alteration; weak patchy limonite alteration	ser	Mod	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration; weak patchy limonite alteration	N	EPy	1					1% rusted epy 1-4mm grain size	5						
EC19-254	23	27	SCH-i		med to dark grey; moderately foliated - crenulations tend to interrupt foliation; moderate pervasive sericite alteration; locally weakly crenulated at low angles to or parallel to core axis; 0.5% rusted euhedral py with 1-5mm grain size, some rusted with fresh cores, some follow foliations; weak patchy limonite alteration on fracture surfaces; significant faulting with 1.35m core lost; carb infilling small fractures; moderate patchy carb alteration; moderate pervasive sericite alteration; weak patchy limonite alteration	ser	Mod	carb	Mod	moderate pervasive sericite alteration; moderate patchy carb alteration; weak patchy limonite alteration	N	EPy	0.5					0.5% rusted euhedral py with 1-5mm grain size, some rusted with fresh cores, some follow foliations							
EC19-254	27	32	QAS	SCH-tig	med grey; does not appear to differ compositionally from units above and below; strongly foliated; patchy SCH-tig texture but present throughout most of interval; blue quartz eyes present, 1-3mm, 50% blue and 50% white Qtz eyes; local weak crenulations; significant faulting in interval, total of 1m core loss; trace rusted epy 1-2mm grain size; moderate pervasive sericite alteration; weak patchy limonite alteration	ser	Mod	lim	Wk	moderate pervasive sericite alteration; weak patchy limonite alteration	N	EPy						trace rusted epy 1-2mm grain size;							
EC19-254	32	36.6	SCH-i		med to dark grey; moderately foliated; strong pervasive sericite alteration; locally weakly crenulated at low angles to or parallel to core axis; 0.5% rusted euhedral py with 1-5mm grain size, some follow foliations; strong patchy limonite alteration on fracture surfaces; significant faulting with 2.10m core loss; carb infilling small fractures; moderate patchy carb alteration; strong pervasive sericite alteration; weak patchy limonite alteration	ser	Str	carb	Mod	moderate patchy carb alteration; strong pervasive sericite alteration; weak patchy limonite alteration	N	EPy	0.5					0.5% rusted euhedral py with 1-5mm grain size, some follow foliations;							
EC19-255	0	3.05	CAS								N														
EC19-255	3.05	15.95	SCH-m	SCH-tec	Typical Nugget side mafic schist, brownish in colour due to oxidation down to about 17m, where irregular patches and zones of grey colour appear,....ie oxidation front is highly irregular, following down faults and fracture zones. Texture varies from coarsely foliated with .75cm QF bands alternating with .3cm more micaceous bands, to "tec"-like even, narrower banding. Once the brownish oxidation is lost it looks (and likely always was) more intermediate in composition. Crenulation cleavage starts to disrupt schistosity from 11m, with CC flatter to ca at 20° to CA, whereas foli is at about 45°.	carb	Mod				N	EPy	0.5												
EC19-255	15.95	22	SCH-i		Greyer in colour and finer grained, without the coarse banding above. Crenulation cleavage parallel to CA at 17.5. Lots of folded quartz sweats indicating compression and slippage, with failure along foliation planes, Z folds indicating main axis is up hole. This zone is very tectonized.	carb	Str				N	EPy	0.5												
EC19-255	22	22.45	QAS	Other	Similar to the unit above but QF rich bands have been brecciated and dismembered. Brownish in colour and coarser grained appearance similar to 3.05 to 15.95.	carb	Str				N	APy	0.5												
EC19-255	22.45	25.43	SCH-i		As from 15.95 to 22.	carb	Mod				N														
EC19-255	25.43	28.73	QAS	Other	Brecciated as per 22 to 22.45. Narrow py and Sph stringer along side one of the brecciated bands, as well as scattered she's to 3mm.	carb	Mod				N	EPy	0.5					Narrow py and Sph stringer along side one of the brecciated bands							
EC19-255	28.73	30.46	SCH-f		Good HW felsic rock, but looks browner due to weathering and alteration. Unit retains the small carb whispy porphs, and is well foliated and vfg and has speckled py throughout.						N														
EC19-255	30.46	32.85	SCH-i		as from 22.45 to 25.43	carb	Str				N	EPy	0.5												
EC19-255	32.85	35.34	SCH-f		similar to 28.73 to 30.46						N														
EC19-255	35.34	40	SCH-i								N														
EC19-255	40	41.4	QV		Coarse white QV, with 40% wall rock in top 0.5m. Minor rusty py in wall rock, and a few boxwork hugs in the quartz itself. Looks like it could be at least in part crosscutting, but largely foliaform.						N	EPy	0.1					Minor rusty py in wall rock, and a few boxwork hugs in the quartz itself							
EC19-255	41.4	44.32	SCH-i		As per intermediate units above. From 43.73 to lower contact, rock is very silicified.						N														
EC19-255	44.32	59	SCH-f		Typical HW felsic unit. From 48.26 to 48.5, unit is much more foliated with addition of light mica. Core is weakly hematized around 56.8m, giving it a slightly pinkish tinge. From about 57.2 to end of unit, rock becomes highly strained, likely due to ductility contrast with more quartz sweats and a number of small x cutting veinlets.	carb	Str			patchy and as fracture fills and as whispy blend on foliation planes.	N	EPy	0.5												
EC19-255	59	70.22	SCH-i		From upper contact to 60 rock is highly strained and contains my quartz sweats and minor -, but higher Py. Below 60m unit is typical mottled grey and brown (dependent on oxidation state) Sch-i, with occasional folded quartz sweat	carb	Mod				N	EPy	0.5												
EC19-255	70.22	76.2	SCH-f		Typical HW schist f. Upper 5m is somewhat more disturbed, with quartz and quartz/carb patches and sweats.	carb	Mod				N	EPy	0.5												
EC19-256	3.04	3.38	OVB		3-5 cm rubble oxidized rubble.						N														
EC19-256	3.38	7.04	QAS	SCH-tec	Medium to dark sea-green with wavy and contorted discontinuous light grey quartz bands. Foliation is tectonized throughout interval. Abundant quartz sweats with <1x2 cm vugs, which are infilled with limonite. Dispersed, 2%, 1-3 mm oxidized, euhedral pyrite.						N	EPy	2					Dispersed, 2%, 1-3 mm oxidized, euhedral pyrite.	10						
EC19-256	7.04	7.33	QV		Massive, milk white quartz vein. Possible cross cutting quartz vein. Upper and lower contacts are sharp and slightly irregular. Contains 0.5-2 cm vugs. Also, contains hairline fractures infilled with trace MgO. Limonite along quartz vein margins and within 5x1 cm vugs.	lim	Tr	mno	Tr	Also, contains hairline fractures infilled with trace MgO. Limonite along quartz vein margins and within 5x1 cm vugs.	N														
EC19-256	7.33	25.83	SCH-i	SCH-tig	Medium to dark green with laminated to locally wavy and contorted light grey quartz bands. Visible gold (1-1.5 mm) at 22.10 and 23.53 m. Visible gold at 22.10 m occurs on the margin of a possible low angle cross cutting quartz vein and occurs on an oxidized euhedral pyrite; this possible low angle cross cutting vein also cuts another 1 cm cross cutting quartz vein. Visible gold at 23.60 m occurs on oxidized euhedral pyrite and near the pinch out of a discontinuous cross-cutting quartz vein. The top 9.14 m of the hole has a much darker sea green matrix and contains lesser quartz matrix and bands compared to the lower portion of the interval. Pervasive Tig texture with spotty chlorite. Also, local small intervals of pygmatic texture. Moderate, limonite alteration, also dispersed through out interval and mostly occurs parallel to foliation. Remaining foliation throughout interval is planar, laminated and mostly uniform. Local, common, weak to moderate sericite alteration. Local, weak rusty orange-brown carbonate alteration. Weak, patchy carbonate alteration is much more intense near quartz vein margins and also occurs with dendritic andalusite. Local, uncommon, weak silicified alteration at 17.57-17.94 m. Local, very uncommon, epidote internal to quartz sweats. Dispersed, 4%, 1-4 mm oxidized pyrite and 1-2 mm fresh euhedral pyrite.l	lim	Mod	ser	Wk	Moderate, limonite dispersed through out interval and mostly occurs parallel to foliation. Remaining foliation throughout interval is planar, laminated and mostly uniform. Local, common, weak to moderate sericite alteration. Local, weak rusty orange-brown carbonate alteration. Weak, patchy carbonate alteration is much more intense near quartz vein margins and also occurs with dendritic andalusite. Local, uncommon, weak silicified alteration at 17.57-17.94 m. Local, very uncommon, epidote internal to quartz sweats.	Y	EPy	3	And	0.5				Visible gold (1-1.5 mm) at 22.10 and 23.6 m. Visible gold at 22.10 m occurs on the margins of a possibly low angle cross cutting quartz vein and occurs on an oxidized euhedral pyrite. Visible gold at 23.60 m occurs on oxidized subhedral pyrite and near the possible pinch out of a discontinuous cross-cutting quartz vein. Dispersed, 4%, 1-4 mm, oxidized pyrite and 1-2 mm fresh euhedral pyrite, which also occurs throughout the interval. Trace, dendritic andalusite also occurs with carbonate alteration, and limonite along quartz vein margins.	10					
EC19-256	25.83	26.3	QV		Massive, milk white quartz vein. Upper contact is irregular, possible low angle cross cutting quartz vein. Lower contact is sharp and planar and is cross-cutting. Contains 0.5-2 cm vugs. Also, contains hairline fractures infilled with MgO. Trace limonite along quartz vein margins.	lim	Tr	carb	Wk	Trace limonite along quartz vein margins.	N														
EC19-256	26.3	28.8	SCH-i	SCH-tig	Medium to dark green with intervals of rusty orange, laminated to wavy and contorted, light grey quartz bands. Pervasive Tig texture throughout entire interval. Local, moderate sericite alteration. Local, 0.5%, 1-6 mm oxidized pyrite and rare associated fresh euhedral pyrite. Carbonate stingers also occur in the non-Tig textured portion of the interval. Local, common quartz sweats, which contain uncommon (<1 x 1 cm) epidote patches.	oxi	Mod	ser	Mod	Local, moderate sericite alteration. Possibly more oxidize interval from 26.75 to 29.12 m. Local, decimeter scale bands of oxidized SCH-i and non-oxidized bands between 30.48 and 32.48. Local, moderate sericite alteration. Local, carbonate stringers dispersed throughout interval of non-Tig texture.	N	EPy	0.5					Local, 0.5%, 1-6 mm oxidized pyrite and rare associated fresh euhedral pyrite.	2						
EC19-256	28.8	36.04	SCH-i		Medium to dark sea green with intervals of rusty orange. Remaining foliation throughout interval is planar to slightly wavy, to laminated and uniform. Local, decimeter scale bands of oxidized SCH-i and non-oxidized bands between 30.48 and 32.48. Dispersed carbonate stingers. Dispersed 0.2%, euhedral, oxidized pyrite with internal fresh pyrite.	oxi	Tr	carb	Tr	Local, decimeter scale bands of oxidized SCH-i and non-oxidized bands between 30.48 and 32.48. Dispersed carbonate stingers.	N	EPy	0.2					Dispersed 0.2%, euhedral, oxidized pyrite with internal fresh pyrite.	5						
EC19-256	36.04	39.82	QAS		Medium sea-green. Foliation is mostly, uniform, and slightly wavy to planar and laminated. Pervasive 1-2 mm sheared quartz spots throughout interval. Uncommon, dispersed 1 mm blue quartz eyes. Some quartz eyes have a more sucrosic texture rather than a classic euhedral blue quartz eye. Uncommon, discontinuous, dispersed carbonate stingers (up to 8 mm in thickness x 12 cm in length) and 10 x 4 cm irregular carbonate patches. Slightly more oxidize interval from 26.75 to 29.12 m. Local, decimeter scale oxidized orange bands and non-oxidized bands throughout interval. Local, 0.4%, 1-4 mm oxidized euhedral pyrite.	oxi	Mod	carb	Wk	Uncommon, discontinuous, dispersed carbonate stingers (up to 8 mm in thickness x 12 cm in length) and 10 x 4 cm irregular carbonate patches. Slightly more oxidize interval from 26.75 to 29.12 m. Local, decimeter scale oxidized orange bands and non-oxidized bands throughout interval. Local, 0.4%, 1-4 mm oxidized pyrite.	N	EPy	0.4					Local, 0.4%, 1-4 mm oxidized euhedral pyrite.	2						
EC19-256	39.82	51.89	SCH-i	SCH-tec	Dark sea-green. Foliation is contorted and broken. Local thin intervals of pygmatic texture, but the entire interval is mostly tectonized. Common, discontinuous, dispersed carbonate stingers (up to 3 mm in thickness x 25 cm in length. Some run parallel to core axis) and 0.2 x 0.2 cm carbonate patches. Spotted chlorite interval at 49.29 to 51.70 m. Dispersed, 0.4%, 1-4 mm euhedral fresh pyrite. Weak oxidized intervals and decimeter bands from 40.66 m to 53 m. Very uncommon, local, epidote that typically follows foliation.	oxi	Wk	carb	Wk	Common, discontinuous, dispersed carbonate stingers (up to 3 mm in thickness x 25 cm in length. Some run parallel to core axis) and 0.2 x 0.2 cm carbonate patches. Spotted chlorite interval at 49.29 to 51.70 m. Weak oxidized intervals and decimeter bands from 40.66 m to 53 m.	N	EPy	0.4					Dispersed, 0.4%, 1-4 mm euhedral fresh pyrite.	5						
EC19-256	51.89	53	QAS	SCH-ptm	Medium sea-green to slightly orange. Foliation is mostly, uniform, and slightly wavy to planar and laminated. Pervasive 1-2 mm sheared quartz spots throughout the interval. Common, dispersed 1 mm blue quartz eyes. Some quartz eyes have a more sucrosic texture rather than a classic euhedral blue quartz eye. Uncommon, discontinuous, dispersed carbonate stingers and irregular carbonate patches. Weak oxidation throughout interval. Dispersed, 0.3%, 1-4 mm oxidized and fresh euhedral pyrite. Dispersed quartz bands that are tightly pygmatically folded throughout interval.	oxi	Wk	carb	Tr	Weak orange oxidation throughout interval. Uncommon, discontinuous, dispersed carbonate stingers and irregular carbonate patches.	N	EPy	0.3					Dispersed, 0.3%, 1-4 mm oxidized and fresh euhedral pyrite. Dispersed quartz bands that are tightly folded throughout interval.	2						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
EC19-256	53	54.86	SCH-I		Light sea green. Planar non-uniform foliation. Common, hairline fractures that are infilled with limonite and uncommon MgO. Trace, carbonate alteration patches and carbonate boudins Dispersed, 0.3% euhedral oxidized pyrite.	lim	Tr	carb	Tr	Common, hairline fractures that are infilled with limonite and uncommon MgO. Trace, carbonate alteration patches and carbonate boudins	N	EPy	0.3					Dispersed, 0.3% euhedral oxidized pyrite.	8						
EC19-257	0	3.05	OVB		No OVB in boxes.						N														
EC19-257	3.05	9.9	SCH-I		Medium to pale greenish grey, highly broken and rubbly SCH-I with a sheared to almost tectonized appearance locally indicating possible fluid flow and faulting. Locally vuggy quartz sweat/foliaform veins are stretched and locally boudinaged along relict foliation and are xcut by numerous carbonate +/- limonite stringers and microfractures. Moderate pervasive sericite alteration is present throughout, as well as weak limonite staining along fracture surfaces and associated with weak carbonate microfractures and patches. From approximately 7.7 m to the contact at 9.9 m, the unit looks bleached and weakly silicified. A large rubbly fault zone is present from 3.05 to 9.14 m with 0.95 m of core loss. 0.5% to locally 1% euhedral to subhedral oxidized pyrite as blebs and disseminations in quartz sweat and groundmass. The lower contact with the basalt dyke below is broken.	ser	Mod	lim	Wk	Moderate pervasive sericite alteration is present throughout, as well as weak limonite staining along fracture surfaces and associated with weak carbonate microfractures and patches in groundmass and within sheared and stretched foliaform quartz veins and sweat.	N	EPy	0.5					0.5%, locally up to 1%, euhedral to subhedral oxidized pyrite as blebs and disseminations up to 3 mm within groundmass and quartz sweat.	7						
EC19-257	9.9	13.4	BAS		Dark green, aphanitic to fine-grained, basalt dyke with local (up to 2%) subhedral to almost tabular white plagioclase phenocrysts up to 7 mm in size and smaller, black subhedral mm-size phenocrysts of pyroxene(?) comprising 5-7%. The unit is crosscut by numerous, thin, up to 2 mm wide carbonate stringers. Weak limonite staining noted along fracture surfaces, particularly near broken upper and lower contacts with SCH-I units. above and below. Very local, gougey chlorite along fracture surfaces near 12 m. Weakly magnetic overall. No visible mineralization.	carb	Wk	lim	Wk	Numerous mm-size (up to 2 mm) carbonate stringers crosscutting at random orientations TCA. Limonite staining noted along fractures, particularly near broken upper and lower contacts.	N														
EC19-257	13.4	16.96	SCH-I	SCH-tec	Similar in composition to the SCH-I from 3.05 to 9.9 m, the unit is medium greyish green and highly sheared and tectonized in appearance. Numerous milky white quartz sweat are sheared and truncated, often as fragments in a darker green chloritic matrix, and crosscut by mm-size carbonate stringers and healed fractures. Weak limonite alteration is generally associated with carbonate fractures and as rusty orange patches within the groundmass. The unit has a pitted to vuggy texture along surface. 1% subhedral to euhedral oxidized pyrite blebs and cubes throughout. Local, <10 cm rubble zones noted throughout. Broken upper contact with dyke above and sharp, irregular lower contact with QV below at 10 degrees TCA.	carb	Wk	lim	Wk	Carbonate alteration generally as crosscutting healed fractures and local patches. Limonite alteration associated with carbonate along fractures and also as local rusty orange patches in groundmass.	N	EPy	1					Subhedral to euhedral, up to 2 mm completely oxidized py blebs and cubes throughout.	10						
EC19-257	16.96	18.1	QV		Large, milky white QV crosscut by numerous limonite +/- carbonate stained mm-size fractures giving an almost brecciated or "cracked" appearance locally where fractures increase in intensity. Local inclusions of SCH-I host rock up to 5 cm noted near upper contact. Local patchy chlorite alteration throughout. Local vugs noted in sections where fractures most intense, possibly an extensional feature. Trace to locally 0.5% euhedral oxidized pyrite blebs up to 4 mm in size noted near vein margins.	lim	Wk	chl	Tr	Limonite staining +/- carbonate along numerous xcutting healed fractures. Trace chlorite as patches, particularly near host rock inclusions near upper contact with SCH-I.	N	EPy	0.1					Subhedral to euhedral oxidized pyrite up to 4 mm in size near vein margins.							
EC19-257	18.1	20.4	SCH-I	SCH-tec	Similar in appearance to the tectonized section above the QV from 13.4 m to 16.96 m and is likely a continuation of the same section. Weak to moderate pervasive sericite alteration also present. Quartz sweat are even more sheared in this section and are locally pulled apart into rotated fragments 1-2 cm in size. Unit is crosscut by several milky white, highly fractured and locally vuggy QV with oxidized pyrite along vein margins. 0.5%, to locally 2% following the QV above, euhedral oxidized pyrite cubes up to 1 cm in size. Sharp upper contact at 40 degrees TCA with QV.	ser	Wk	lim	Wk	Weak to locally moderate pervasive sericite alteration. Patchy carb and lim alteration as pale orange patches and along mm-size healed microfractures.	N	EPy	0.5					Euhedral oxidize pyrite up to 7 mm in size that is locally present up to 2% near contacts with QV.	5						
EC19-257	20.4	23.7	SCH-I	SCH-tig	Medium greyish green and banded/striped, unit in composition to all preceding SCH-I. Structural texture becomes more "tiger texture" near 20.4 m with highly crenulated, wispy discontinuous chlorite bands and off white to locally pale orange limonite stained, crenulated quartz bands. Milky white quartz sweat are locally boudinaged in appearance and altered by patchy carbonate. Unit has up to 6 mm cubes of oxidized pyrite with fresh cores comprising up to 1%. Three crosscutting milky white QV present with patchy chlorite and limonite stained fractures that contain 3% euhedral oxidized pyrite with fresh cores dominantly along vein margins. Visible Au grain 3 mm in size noted in QV between 21.54 and 21.59 m attached to a highly oxidized pyrite bleb along vein margin.	carb	Wk	lim	Wk	Pale orange limonite staining of quartz bands and as patches associated with carb throughout groundmass and along fractures. Weak pervasive sericite alteration also noted.	Y	EPy	1					Euhedral partially oxidized pyrite up to 6 mm in size with fresh cores as cubes and disseminations throughout groundmass up to 1%. Visible Au grain 3 mm in size noted in QV between 21.54 and 21.59 m attached to a highly oxidized pyrite bleb along vein margin.	3						
EC19-257	23.7	25.9	SCH-I	SCH-tec	Similar in appearance and composition to tectonized SCH-I described above from 18.1 to 20.4 m, unit is medium greyish green and highly sheared and tectonized overall. Limonite is slightly more moderate than above, altering as larger rusty orange patches around quartz sweat and along fracture surfaces. Patchy chlorite, carbonate and limonite noted in quartz sweat that are still partially intact. 0.5% mm-size boxwork and highly oxidized euhedral pyrite throughout.	ser	Wk	lim	Mod	Weak pervasive ser alteration and more moderate, patchy rusty orange limonite staining noted near quartz sweat and along fracture surfaces.	N	EPy	0.5					0.5% oxidized and boxwork euhedral pyrite disseminations throughout.	5						
EC19-257	25.9	29.35	SCH-I		Pale to medium greenish grey SCH-I similar in composition to units described above. Unit is fairly well foliated with local pygmatic folding of quartz. Weak carbonate alteration as small, mm-size patches within foliaform quartz veins and groundmass, as well as along fractures with rusty orange limonite staining. Trace pervasive sericite noted that is locally weak near gradational contact with the more tectonized section above. 0.5-0.7% highly oxidized subhedral to euhedral py disseminations.	lim	Wk	carb	Wk	Weak carbonate alteration as small, mm-size patches within foliaform quartz veins and groundmass, as well as along fractures with rusty orange limonite staining. Trace pervasive sericite noted. Limonite becomes more moderate as patches obscuring texture near 29 m.	N	EPy	0.5					0.5-0.7% subhedral to euhedral oxidized pyrite disseminations.	10						
EC19-257	29.35	40.9	QAS		Medium greenish grey with a local, patchy rusty orange to brownish orange colour where limonite alteration weakly overprints unit. QAS is moderately to strongly foliated overall with well defined bands of chlorite and quartz that are locally crenulated to very weakly pygmatically folded. Up to 5% white to blue, mm-size quartz eyes present throughout. Unit has a pitted, vuggy texture locally. Weak to locally moderate pervasive sericite alteration present throughout. Weak carbonate alteration as mm-size patches in quartz bands and as crosscutting healed fractures. 0.5% to locally 1%, <1 mm to 2 mm euhedral, highly oxidized pyrite disseminations. Several fold noses noted locally. Gradational contacts with SCH-I above and below where quartz eyes begin and end.	lim	Wk	ser	Wk	Weak rusty orange to brownish limonite overprinting unit locally, along fracture surfaces and as patches within QV. Weak carbonate alteration as mm-size patches and along crosscutting healed fractures. Weak pervasive sericite alteration throughout that is locally moderate near a QV in a more sheared looking section.	N	EPy	0.5					0.5% to locally 1%, <1 mm to 2 mm euhedral, highly oxidized pyrite disseminations.	7						
EC19-257	40.9	51.82	SCH-I		Medium to dark greyish green, well foliated to locally pygmatic SCH-I similar in composition and appearance to that noted from 25.9 to 29.35 m. Limonite staining is present as a weak brownish orange overprint to approximately 43 m where it becomes dominantly fracture controlled and as rusty orange patches within foliaform and crosscutting QV. Weak patchy carbonate is present with quartz veins and as small, wispy mm-size stringers. Unit begins to look weakly sheared and almost tectonized with increased pygmatic folding of quartz bands near 46 m. Weak sericite alteration noted near two crosscutting QV. 1% mm-size, euhedral oxidized pyrite cubes disseminated throughout, particularly near crosscutting QV margins. Foliaform veins increase in size near EOH at 51.82 m.	lim	Wk	carb	Wk	Limonite staining is present as a weak brownish orange overprint to approximately 43 m where it becomes dominantly fracture controlled and as rusty orange patches within foliaform and crosscutting QV. Weak patchy carbonate is present with quartz veins and as small, wispy mm-size stringers.	N	EPy	1					Mm-size euhedral oxidized pyrite cubes and disseminations particularly near xcutting QV margins.	10						
EC19-258	0	4.57	OVB		heavily oxidized SCH-I. 0.5m core loss due to 4.57m of casing.	oxi	Str	ser	Mod	pervasive carbonate. core crumbles at 4.8m due to sericite.	N	EPy						trace rusty medium grained Epy.	30						
EC19-258	4.57	6.6	SCH-I		dark green schist. weak oxidation. foliated and crenulated.	carb	Wk	ser	Mod		N	EPy	2					medium grained rusty Epy.	30						
EC19-258	6.6	8.6	QAS		dark green schist. plentiful small blue quartz eyes. crenulations sub parallel t/c sometimes results in fracturing. local spotted chlorite at 8m and 8.6m.	oxi	Str	ser	Tr	MnO and FeO visible on both cut and fresh surfaces.	N	EPy	1		Ep			coarse to fine grained rusty Epy. trace epidote.	30						
EC19-258	8.6	18.2	SCH-I		strongly foliated. local chlorite spotting, not wispy enough to be TIG texture.	ser	Tr	chl	Mod	spotted chlorite. trace local pervasive carbonate.	N	EPy			Ep			trace disseminated Epy. local 2% Epy from 9m-10m. trace epidote towards end of interval.	40						
EC19-258	18.2	19	SCH-I	SCH-tig	wispy spotted chlorite.	ser	Wk	oxi	Wk	oxidation visible on fresh surfaces only.	N	EPy						trace Epy.	50						
EC19-258	19	22.2	QAS		highly silicified. spotted chlorite throughout. small and widely dispersed blue quartz eyes.	ser	Wk	chl	Str	spotted chlorite. trace pervasive carbonate.	N	EPy			Ep			trace fine grained Epy. trace epidote.	50						
EC19-258	22.2	24.2	QV		extensive QV with parallel surface fractures. most likely x-cut. sometimes host rock visible with moderate sericite alteration and 3% medium grained rusty Epy. pyrite boxwork with euhedral crystal growth. two small pieces of potential copper oxide at 23.1m. possibly same high grade vein as in hole EC15-3/4.	oxi	Wk			weak MnO and FeO.	N	EPy	0.5					coarse grained rusty Epy.							
EC19-258	24.2	27.3	QAS		medium sized blue quartz eyes easily visible. abundant epidote. pyrite concentrated at top of interval. strong crenulations. spotted chlorite.	chl	Mod	ser	Mod	spotted chlorite. sericite content increases towards bottom of interval.	N	EPy	3		Ep	10		3% rusty Epy from 24.2m-24.6m. trace disseminated Epy for rest of interval. epidote appears at 26m and continues for rest of interval.	40						
EC19-258	27.3	32.3	SCH-I		spotted chlorite. local TIG texture from 28m-28.2m. crenulations sub-parallel to core axis.	carb	Mod	oxi	Mod	moderate oxidation, sericite, bleach, carbonate from 28.5m-29.5m. limonite staining common onwards.	N	EPy			Ep	5		local 2% Epy and 10% epidote at 31.7m. small pieces of hematite from 30m-31m.	30						
EC19-258	32.3	52.9	QAS		this unit first appears to be a SCH-I unit. closer examination reveals there are blue quartz eyes present throughout the interval. boudinaged quartz sweat common. there is a lot of epidote in this interval. moderate carbonate, limonite, sericite, chlorite alterations common. trace galena found at 43m.	lim	Mod	ser	Wk	bands of dark chlorite and spotted chlorite common.	N	Gn			Ep	8	Cal	3	trace galena found at 43m in foliaform quartz.	50					
EC19-258	52.9	53.1	QV		foliaform quartz. weak carbonate along micro fractures. dark banded chlorite on contact edges and inside vein. abundant epidote.	lim	Wk	carb	Wk		N														
EC19-258	53.1	53.8	SCH-I	SCH-tec	some blue quartz eyes visible yet not enough abundance to call it QAS. primary fabric not visible. crenulations present.	ser	Tr	carb	Wk	carbonate in veinlets.	N	EPy	1		Ep	12	Cal	1	multi-generational pyrite with rusty outside and shiny inside. abundant epidote throughout. very thin calcite veins	30					
EC19-258	53.8	54.75	SCH-I		short SCH-I unit.	ser	Tr	carb	Mod	patchy carbonate.	N	EPy			Ep	8	Cal	3	thin veinlets of calcite. trace disseminated rusted pyrite.	30					
EC19-258	54.75	56.2	QAS		medium grained blue quartz eyes easily visible. color of core is lighter than usual. relatively strong foliation.	ble	Wk	ser	Tr	color is lighter than usual.	N	EPy			Ep	10	Cal	5	trace Epy. abundant epidote. calcite veinlets.	30					
EC19-258	56.2	58.7	SCH-I		classic SCH-I with abundant epidote.	ser	Wk	carb	Wk	patchy weak carbonate.	N	EPy			Ep	8		trace disseminated pyrite. epidote forms in both clusters and pervasive.	40						
EC19-258	58.7	62.5	SCH-I	SCH-tec	primary fabric lost due to TEC texture. quartz sweat appear to have no preferred orientation. strong crenulations at top of interval.	ser	Wk	chl	Wk	dark banded chlorite and weak sericite throughout.	N	EPy			Ep	3	Cal	3	calcite veinlets dispersed throughout. epidote throughout. trace Epy appears in patches.	50					
EC19-258	62.5	63.2	SCH-I		chlorite becomes increasingly more pale green towards end of interval.	ser	Wk	carb	Mod	carbonate increases towards end of interval.	N	EPy	0.5		Ep	10	Cal	3	abundant epidote. very fine grained Epy.	30					
EC19-258	63.2	65.53	QAS		pale green chlorite. not silicified enough to be footwall felsic. small blue quartz eyes.	ser	Wk	oxi	Mod	heavy MnO and FeO in some spots.	N	EPy			Ep	5	Cal	10	strong calcite in foliaform veins and patchy pervasive throughout. trace Epy.	40					
EC19-259	3.05	3.67	OVB		Rubble containing SCH-I and milk white quartz vein material. Rubble averages 6 x 3 cm.						N														
EC19-259	3.67	18.67	SCH-I		Medium sea-green with wavy to planar foliation. Local crenulation increases wavy foliation. Local fold noses at 8.62 m and 8.73 m. Pervasive sericite alteration. Carbonate stringer fracture zone between 15.05 - 18.67 m. Carbonate stringers are also epidote altered and alter wall risk up to 2 cm away from fractures. Quartz sweat are common, dispersed throughout the interval, and typically contain vugs that are commonly infilled with limonite. Quartz sweat also contain common epidote patches 1 x 2 cm, and irregular carbonate patches 2 x 3 cm. Oxidized euhedral pyrite, 0.3%, is dispersed throughout the interval and typically contains fresh pyrite on the margins of the euhedral pyrite.	ser	Wk	carb	Wk	Weak sericite alteration dispersed over the entire interval. Carbonate fracture zones occur locally and as patches in quartz sweat. Carbonate fracture zones also contain common epidote alteration.	N	EPy	0.3					Oxidized euhedral pyrite with common fresh pyrite occurs through out the interval.	10						
EC19-259	18.67	19.76	QAS		Light sea green with dotted white carbonate patches. Planar foliated with local, slightly, wavy foliation. Uncommon blue quartz eyes <1 x 1 mm. Pervasive carbonate altered with 2 x 2 mm white to beige patches dispersed throughout the interval. Common carbonate stringers occur throughout the interval and are also epidote altered with 1 cm alteration halos around the fractures. Dispersed, 0.2%, oxidized and fresh pyrite (0.1 x 0.1 cm) throughout the interval.	carb	Mod			Pervasive carbonate altered with 2 x 2 mm white to beige patches dispersed throughout the interval. Common carbonate stringers occur throughout the interval and are also epidote altered with 1 cm alteration halos around the fractures.	N	EPy	0.2					Dispersed, 0.2%, oxidized and fresh pyrite (0.1 x 0.1 cm) throughout the interval.	5						
EC19-259	19.76	21.75	SCH-I		Medium sea-green with wavy to planar foliation. Locally crenulated. Spotted chlorite interval between 20.90 to 21.28 m. Common carbonate stringers throughout interval. Typically, carbonate stringers are																				

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)			
EC19-259	50.87	80.75	SCH-i		Dark sea-green. Non-uniform, planar to slightly wavy foliated. Unit, is locally oxidized at 51.90-52.88. Locally pitted, pits are commonly infilled with limonite. Common carbonate stringers dispersed throughout interval. Common quartz sweats; contains, euhedral oxidized and fresh pyrite, infilled vugs (0.5 x 0.5 cm) with carbonate and limonite. Quartz sweats also contain uncommon chlorite patches and epidote patches. Local, moderate sericite alteration. Oxidized and fresh euhedral pyrite, also occurs dispersed, 0.2% in abundance, throughout the interval. Abrupt increase in quartz sweats at 66 m to 68.58 m. Significant increase in cross-cutting veins at 68.85 - 80.50 m as well as fresh pyrite (up to 0.5% locally). Dispersed, moderate spotted chlorite from 68.85 to 80.50. Moderate oxidation bands from 68.50 to 77.90. Pervasive sericite alteration from 68.85 to 80.50. Silicified interval from 79.50 to 80.77 m, but possibly could be SH-I-f, very light green with an increase in quartz relative to chlorite.	ser	Wk	carb	Wk	Common carbonate stringers dispersed throughout interval. Local, moderate sericite alteration. Some epidote in quartz sweats. Dispersed, moderate spotted chlorite from 68.85 to 80.50. Moderate oxidation bands from 68.50 to 77.90. Pervasive sericite alteration from 68.85 to 80.50. Silicified interval from 79.50 to 80.77 m, but possibly could be SH-I-f, very light green with an increase in quartz relative to chlorite.	Y	EPy	0.2								Oxidized and fresh euhedral pyrite, also occurs dispersed, 0.2% in abundance, throughout the interval. Significant increase in cross-cutting veins at 68.85 - 80.50 m as well as fresh pyrite, up to 0.5% locally. VG at 71.18 m in a moderately oxidized cross-cutting, 5 cm, quartz vein.	15				
EC19-260	0	4.7	OVb		Rubble, cobble clasts with mud interbedded.						N															
EC19-260	4.7	13.65	SCH-i		Sea green with darker green bands in upper portion of interval. Pervasive, local iron oxidation associated with euhedral oxidized pyrite. Local sericite alteration 9.14 - 9.38 m. Intensely faulted throughout interval with 4.35 m of core loss. Dispersed (0.5%) pyrite, very fine grained to 3 mm. Locally foliform QV margins have high amounts of fine grained pyrite (1%). Oxidized carbonate alteration in QV. Local vugs near bottom of interval and minor pitting through out interval.	lim	Wk	carb	Tr	Pervasive, local iron oxidation associated with euhedral oxidized pyrite. Local sericite alteration 9.14 - 9.38 m. Dispersed (0.5%) pyrite, very fine grained to 3 mm. Locally, foliform QV margins have elevated amounts of fine grained pyrite (1%). Oxidized carbonate alteration in QV	N	EPy	0.5					Dispersed (0.5%) pyrite, very fine grained to 3 mm. Locally foliform QV margins have elevated amounts of fine grained pyrite (1%).	0.5							
EC19-260	13.65	16.75	SCH-f		Light cream green. Local, weak limonite alteration along foliation. Highly faulted with 2 m of core loss. QV contains weak carbonate alteration and limonite. Planar to locally wavy foliation.	lim	Tr	carb	Tr	Local, weak limonite alteration along foliation. Local carbonate alteration in QV	N								0.5							
EC19-260	16.75	17.4	SCH-i		Brownish sea green with dark green patches. Dispersed very fine grained to patchy limonite alteration parallel to foliation. Dispersed (0.2%) oxidized sub- to euhedral pyrite (very fine grained to 2 mm). Local, weak Local, weak limonite alteration along foliation texture. Local, weak pygmatitic texture. Minor amount of quartz sweats	lim	Tr				N	EPy	0.2					Dispersed (0.2%) oxidized sub- to euhedral pyrite (very fine grained to 2 mm).	0.5							
EC19-260	17.4	19.8	SCH-f		Weakly foliated light cream green intervals, with local intervals of dark green foliated intervals. Highly faulted with 0.4 m of core loss. Local sericite alteration associated with darker green wavy banded foliated intervals lower in interval. Dispersed, weak limonite alteration along foliation. Trace euhedral pyrite 1.5 mm.	ser	Tr	lim	Tr	Local sericite alteration associated with darker green wavy banded foliated intervals lower in interval. Dispersed, weak limonite alteration along foliation.	N	EPy	0.1					Trace oxidized euhedral pyrite 1.5 mm.	0.5							
EC19-260	19.8	24.7	SCH-i		At top of interval, sea green, planar to locally wavy foliated. Grades into dark green at bottom of the interval. Gradational bottom contact with mafic-rich interval. Intensely faulted with 2.55 m of core loss. Local trace, parallel to foliation, limonite alteration. Local, weak sericite alteration dispersed through out interval. Trace oxidized euhedral pyrite (0.1 - 4 mm) with trace fresh pyrite on oxidized on pyrite surfaces. Minor amount of quartz sweats.	ser	Wk	lim	Tr	Local weak, parallel to foliation, limonite alteration. Local, weak sericite alteration dispersed through out interval.	N	EPy	0.2					Trace oxidized euhedral pyrite (0.1 - 4 mm) with trace fresh pyrite on oxidized on pyrite surfaces.	0.5							
EC19-260	24.7	27.8	SCH-m		Dark sea green throughout interval with local <2 mm orange patches. Top lithology contact is gradational with SCH-I. Bottom contact is a planar sharp contact with the next SCH-I interval. Pervasive planar chlorite foliation with respect to the abundance of quartz bands. Sericite alteration in the top 14 cm of the interval. Pervasive, weak, patchy (<1- 4 mm), carbonate alteration through out entire interval. Dispersed, oxidized, with rare fresh, euhedral pyrite (0.5-3 mm). Limonite alteration is also associated with patchy carbonate alteration. Minor, 1-3 cm quartz sweats with 0.5-2 mm carbonate altered vugs.	carb	Tr	ser	Tr	Local sericite alteration in the top 14 cm of the interval. Pervasive, weak, patchy (<1- 4 mm), carbonate alteration through out entire interval	N	EPy	0.2					Dispersed, oxidized, with rare fresh, euhedral pyrite (0.5-3 mm)	0.1							
EC19-260	27.8	36.58	SCH-i	SCH-tec	Pervasive olive green with patchy and stingy streaks of rusty orange. Highly faulted with 2.35 m of core loss. Bottom contact of interval is cryptic due to amount of rubble at the bottom of the interval. Bottom contact based on the first occurrence of recovered SCH-mafic core. Tectonized texture from 29.21 - 29.95 m of interval. Pygmatitic texture from 32-33.17 m. Pygmatitic texture possibly continues further, but texture is lost due to faulting and abundant rubble from 33.17-36.58 m. Local, patchy to stringy limonite stained carbonate alteration from top of interval to 30.48 m. Uncommon (<0.2%) oxidized, euhedral pyrite (0.2-3 mm), dispersed through out interval.	carb	Tr			Local, patchy to stringy limonite stained carbonate alteration from top of interval to 30.48 m.	N	EPy	0.2					Uncommon (<0.2%) oxidized, euhedral pyrite (0.2-3 mm), dispersed through out interval.	0.2							
EC19-260	36.58	63.95	SCH-m	SCH-tec	Dark sea green throughout interval with local stringers orange and discontinuous wispy cream white quartz bands. Highly faulted with 9.15 m of core loss. Pervasive tectonized texture to local pygmatitic texture. Bottom contact is cryptic due to highly faulted rubble zones. Lower contact possible grades into a SCH-I. Local sericite and and white carbonate patches (1-5 cm) and stringers. Local, patchy to stringy limonite stained carbonate alteration. Rare (<0.1%) oxidized, euhedral pyrite (0.2-3 mm), dispersed through out	ser	Wk	carb	Tr	Local sericite alteration at 42.14-42.51 m, 42.97- 45.16 m, 46.50-46.81 m, and 47.0-47.86 m. Local, patchy to stringy limonite stained carbonate alteration	N	EPy	0.1					Rare (<0.1%) oxidized, euhedral pyrite (0.2-3 mm), dispersed through out interval.	0.2							
EC19-260	63.95	74.68	SCH-i	SCH-ptm	Pervasive olive green to dark sea green with uncommon patchy white carbonate stringers. Possibly could be SCH-m, but seems lighter in color. Decided to split out as separate lithology, but possible could be lumped with previous SCH-m interval. Also, difficult to determine contacts with the high degree of faulting and 3.10 m of core loss. Local, weak sericite and weak patchy (0.2 - 10 mm) carbonate alteration. Wavy foliated with local tight folds of quartz sweats. Uncommon, 0.5 mm -1.5 cm oxidized euhedral pyrite with rare fresh pyrite.	ser	Wk	carb		Local, weak sericite and weak patchy (0.2 - 10 mm) carbonate alteration	N	EPy	0.1					Uncommon, 0.5 mm -1.5 cm oxidized euhedral pyrite with rare fresh pyrite.	0.2							
EC19-260	74.68	79.42	SCH-m	SCH-ptm	Dark sea green throughout interval with local stringers of wispy cream bands of carbonate. Highly faulted with 1.0 m of core loss. Local pygmatitic to tectonized texture with discontinuous tightly fold quartz lenses and 0.5 - 2 mm quartz boudins. Local sericite and and white carbonate alteration patches (1-5 cm) and stringers. Uncommon (0.2%), dispersed, oxidized, euhedral pyrite (0.2-3 mm), with uncommon fresh pyrite on oxidized pyrite surfaces. Local, trace, carbonate alteration in 0.2 mm x 4 cm stringers.	carb	Tr	ser	Tr	Local sericite and and white carbonate alteration patches (1-5 cm) and stringers	N	EPy	0.2					Uncommon (0.2%), dispersed, oxidized, euhedral pyrite (0.2-3 mm), with uncommon fresh pyrite on oxidized pyrite surfaces.	8							
EC19-260	79.42	80.77	SCH-i	SCH-ptm	Pervasive olive green to dark sea green with uncommon patchy white carbonate stringers. Faulted with 0.3 m of core loss. Local, trace sericite and trace patchy to foliation parallel (0.2 - 10 mm) carbonate alteration. Upper 16 cm of interval has pygmatitic texture to wavy foliation with local tight folds of quartz bands. Bottom part of interval is planar foliated. Uncommon, 0.5 mm -1.5 cm oxidized euhedral pyrite with fresh pyrite.	ser	Tr	carb	Tr	Local, trace sericite and trace patchy to foliation parallel (0.2 - 10 mm) carbonate alteration	N	EPy	0.2					Uncommon, 0.5 mm -1.5 cm oxidized euhedral pyrite with fresh pyrite.	0							
EC19-261	0	10.4	OVb		Rounded cobble to pebble size rubble. Some rounded quartz rubble at lower part of interval. 1.15 m of core loss						N															
EC19-261	10.4	41.15	SCH-i	SCH-tig	Medium to dark olive green with brown 0.5-2 cm of rusty brown and smokey brown bands. Intense faulting over the entire interval with 20.25 m of core loss. Wispy planar foliation with local tight texture at 14.64-15.00 m. Local, weak sericite alteration between 29.27-29.58 and 32.0-32.80. Possibly more sericite alteration in fault rubble, but appears very local. Local, trace carbonate alteration associated with rusty stringers parallel with foliation. Dispersed, 0.2 mm - 1 cm, oxidized, euhedral pyrite, throughout the entire hole. Local bands of quartz can vary between brown-red smokey quartz to milk white quartz. Some pitting and vugs (1-2 mm) along quartz bands. Minor quartz sweats with 8 mm vugs within them.	ser	Wk	carb	Tr	Local, weak sericite alteration between 29.27-29.58 and 32.0-32.80. Possibly more sericite alteration in fault rubble, but appears very local. Local, trace carbonate alteration associated with rusty stringers parallel with foliation	N	EPy	0.2					Dispersed, 0.2 mm - 1 cm, oxidized, euhedral pyrite, throughout the entire hole.	0.5							
EC19-261	41.15	46.63	SCH-f	SCH-ptm	Light olive green. Intense faulting over the entire interval with 3.1 m of core loss and 4 cave-in intervals. Wispy to planar foliation with local pygmatitic texture and a tight fold at 42.30-42.54 m. Dispersed, rare, 0.1- 0.2 mm, oxidized, euhedral pyrite, throughout the entire hole. Local, trace sericite alteration. Local, manganese oxides occur as 0.2 mm blotches or infill fractures.	ser	Tr	mno	Tr	Local, trace sericite alteration. Local, manganese oxides occur as 0.2 mm blotches or infill fractures.	N	EPy	0.1					Dispersed, 0.1-0.2 mm, oxidized, euhedral pyrite, throughout the entire hole.	0							
EC19-262	4.57	4.72	OVb								N															
EC19-262	4.72	22.59	SCH-i		Cream green with light grey quartz parallel to foliation. Intense faulting between 6.10 m and 17.90 m with 6.5 m of core loss. Phacoidal foliation in competent core from 7.36-7.62 m and pygmatitic texture from 13.30 m to 13.58 m and 21.22 m to 21.98 m with and a similar, tight fold at 21.22 m. Wispy to wavy foliation throughout the rest of the interval. Local, weak sericite alteration and uncommon local stringers of chlorite alteration that infill hairline fractures. Common quartz sweats dispersed throughout interval with trace carbonate alteration around some quartz sweats. Local pitting and vugs in few quartz sweats. Dispersed, 0.5 - 3 mm, oxidized, euhedral pyrite, throughout the entire interval. Sharp, planar contact of strong, light sea green, silicification alteration and massive texture at the bottom 22.27 to 22.59 m of the interval. Also, abrupt and abundant increase in quartz sweats at the bottom contact with thick QV.	sil	Wk	ser	Wk	Sharp, planar contact of strong, light sea green, silicification alteration and massive texture at the bottom 22.27 to 22.43 m of the interval. Local, weak sericite alteration and uncommon local stringers of chlorite alteration that infill hairline fractures. Common quartz sweats dispersed throughout interval with trace carbonate alteration around some quartz sweats.	N	EPy	0.2					Dispersed, 0.5 - 3 mm, oxidized, euhedral pyrite, throughout the entire interval	2							
EC19-262	22.59	23.19	QV		Massive light grey to milky white quartz with rusty orange stringers that infill conjugate fracture sets. Pervasively oxidized. Brecciated wall rock inclusions (5x4 cm) at the margins of the quartz vein. Dispersed 1-4 mm oxidized euhedral pyrite with some fresh internal pyrite. Uncommon, 2-4 mm subhedral galena. Some 0.5-1.5 cm vugs and pitting. Silicified alteration along the margins of the quartz vein.	oxi	Mod			Pervasively oxidized with rusty orange stringers that infill conjugate fracture sets.	N	EPy	0.5	Gn	0.2			Dispersed 1-4 mm oxidized euhedral pyrite with some fresh internal pyrite. Uncommon, 2-4 mm subhedral galena								
EC19-262	23.19	50.29	SCH-i	SCH-ptm	Medium green to dark green with wavy to planar light grey quartz bands. Local faulting in interval with a total of 8.9 m of core loss. Upper contact of fault breccia at 36.16 m. Local phacoidal foliation with local pygmatitic and tectonized textures. Local, massive dark green intervals at 27.43-27.67 and 45.72-46.11 Wispy to wavy foliation throughout the rest of the interval. Local, weak sericite alteration and uncommon quartz sweats dispersed throughout interval, with occasional 1-2 mm oxidized subhedral pyrite. Sharp, planar contact of strong, light sea green, silicification alteration and massive texture at the top to 23.40 m of the interval. Also, abrupt and abundant increase in quartz sweats at the top contact with thick QV. Dispersed, 1-3 mm oxidized pyrite with some fresh pyrite internal to some grains.	sil	Wk	ser	Wk	Local, weak sericite alteration. Sharp, planar contact of strong, light sea green, silicification alteration and massive texture at the top ____ to ____ m of the interval.	N	EPy	0.2					Dispersed, 1-3 mm oxidized pyrite with some fresh pyrite, internal to grain.	1							
EC19-263	0	4.63	OVb		Massive milk white quartz and SCH-I rubble. Rubble ranges in size between 2.5-7 cm.						N															
EC19-263	4.63	64.01	SCH-i	SCH-tec	Medium to dark green with laminated to locally wavy and contorted light grey quartz bands. Further down hole the matrix darkens to a dark sea green with lesser quartz matrix and bands. Local faulting with common tectonized textures from 19.55- 21.17, 24.38-25.70, and 29.65-30.48 m. Local pygmatitic textures also occur near tectonized textures and throughout the interval. Rest of foliation throughout interval is wavy to planar and laminated and mostly non-uniform. Local, weak to moderate sericite alteration. Quartz sweats are common and typically are light smokey grey to white, with local trace carbonate alteration patches (0.5-3 cm) and up to 0.5 cm vugs. Trace, dispersed, 1-3 mm oxidized pyrite with fresh pyrite internal to grains, also occurs throughout this interval. Weakly foliated interval (61.24- 62.48 m) with possible 1 mm quartz eyes. However, quartz eyes are "patchy", anhedral, with irregular boundaries and do not have pressure shadows; could possible be small recrystallized quartz patches.	ser	Mod	carb	Tr	Local, weak to moderate sericite alteration. Quartz sweats are common and typically are light smokey grey to white, with local trace carbonate alteration patches (0.5-3 cm) and up to 0.5 cm vugs. Carbonate alteration also occurs locally parallel along foliation.	N	EPy	0.3					Trace, dispersed, 1-3 mm oxidized pyrite with fresh pyrite internal to some grains, also occurs throughout this interval.	7							
EC19-264	0	3.05	OVb		Rubbly muddy clay, possibly a QV.						N															
EC19-264	3.05	18.8	SCH-i		Pale greenish grey to medium green with moderate bands of dark green chlorite and white to smoky grey quartz that are locally pygmatitic and almost tiger-striped. Unit is fairly well foliated overall. Local quartz sweats up to 5 cm wide have local pitting and patchy chlorite alteration. Moderate pervasive sericite alteration, particularly in rubbly clay sections of fault zones, and weak limonite staining along fractures and within gouge. Several large, up to 6 m rubbly and gougey fault zones throughout. Trace-0.5%, locally up to 1% euhedral, oxidized pyrite 1-3 mm in size disseminated throughout. 4.0 m of core loss over entire interval. Gradational contact with SCH-I below where chlorite content decreases and quartz content increases.	ser	Mod	lim	Wk	Moderate pervasive ser alteration, especially in fault zones and fault gouge. Weak lim staining along fractures and locally within fault gouge at top of hole.	N	EPy	0.5					Trace to 0.5%, locally up to 1%, ox euhedral py 1-3 mm in size disseminated throughout.	1							
EC19-264	18.8	20.1	SCH-f		Pale greenish grey, weakly foliated, hard and siliceous with abundant milky white, irregular quartz sweats/foliaform QV throughout. Weak foliation is present at 50 deg TCA. More competent overall than the SCH-I above. Weakly pervasively sericite altered with trace to weak limonite staining along fractures. Up to 1% euhedral ox pyrite with fresh cores 1-4 mm in size disseminated throughout groundmass and within foliaform QV. Foliaform QV have patchy chlorite alteration and local limonite staining along fractures. Gradational contacts with SCH-I where chlorite and quartz content decreases and increases.	ser	Wk	lim	Wk	Weak pervasive ser alteration and weak lim staining along fracture surfaces.	N	EPy	1					Euhedral ox py with local fresh cores 1-4 mm in size disseminated throughout groundmass and within foliaform QV.	5							
EC19-264	20.1	48.5	SCH-i	SCH-tec	Medium to dark green, banded to locally crenulated and almost pygmatitic chlorite and moderate white to dark grey quartz. Unit looks almost mafic in places near top of unit where chlorite content is higher. Weak pervasive sericite alteration and local trace limonite staining along fracture surfaces and within fault gouge. Trace, highly ox euhedral to subhedral pyrite grains up to 2 mm in size disseminated throughout. Less quartz sweats than the above SCH-I unit from 3.05 to 18.8 m. Large, rubbly and altered to locally gougey fault zones up to 10 m wide throughout with significant core loss. Unit begins to look tectonized and quartz content increases at 38 m following a wide fault zone. 5.8 m of core loss over entire interval in fault zones.	ser	Wk	lim	Tr	Weak pervasive ser alteration and local, trace lim staining along fractures.	N	EPy	0.1					Trace ox euhedral to subhedral py grains up to 2 mm disseminated throughout.	0							
EC19-264	48.5	48.77	QV		Milky white QV with local trace limonite alteration as patches and along fracture surfaces. 0.5-1% highly oxidized euhedral pyrite, particularly noted along vein margins with SCH-I host rock. Broken upper and lower contacts, likely crosscutting.	lim	Tr			Trace lim as patches and along fracture surfaces.	N	EPy	1					0.5-1% euhedral, highly oxidized py up to 4 mm in size particularly noted along vein margins with SCH-I host rock.								
EC19-264	48.77	49.5	SCH-i	SCH-tec	Small section of medium green, tectonized SCH-I with trace carb and lim along microfractures. Broken upper and lower contacts with QV and basalt. 0.5% euhedral ox py with fresh core sup to 3 mm in size.	carb	Tr	lim	Tr	Trace carb and lim along microfractures.	N	EPy	0.5					Euhedral ox py with fresh core sup to 3 mm in size.	0.5							

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
EC19-266	63.5	68	SCH-m		Same unit as above - Dark grey (almost black) slightly grey/ green at lower contact; well foliated but more massive in texture. Abundant milky white foliaform quartz lenses occurring throughout most of interval - some of the lenses are weakly ptymatically folded. Patchy almost pervasive limonite staining. Local cross cutting carbonate stringers.	lim	Mod	carb	Wk	Limonite - patchy to almost pervasive; Carbonate - patchy varying in intensity.	N	EPy	0.1					Pyrite - fine grained, clustered together along foliation.	15						
EC19-266	68	68.2	QV		Quartz sweat - milky white quartz with wall rock inclusions with chlorite and carbonate alteration. MnO comes in along fracture surfaces.	mno	Wk	carb	Wk	MnO coming in along fracture surfaces; Carbonate - local patchy.	N	EPy	0.1					Pyrite - medium grained, euhedral, completely oxidized.							
EC19-266	68.2	71.63	SCH-m		Same unit as above - Dark grey (almost black) slightly grey/ green at lower contact; well foliated but more massive in texture. Abundant milky white foliaform quartz lenses occurring throughout most of interval - some of the lenses are weakly ptymatically folded. Patchy almost pervasive limonite staining. Local cross cutting carbonate stringers.With a fault occurring at the lower interval. E.O.H.	lim	Tr			Limonite patchy	N	EPy	0.1					Pyrite - medium grained, euhedral, completely oxidized, disseminated.	1						
EC19-267	0	2.95	OVB								N														
EC19-267	2.95	68.9	SCH-i		med green grey throughout unit with local patches of slightly darker grey units; foliation largely consistent with exception of fold axis at 48.0m; few xcut QVs at cm scale which are generally white with boxwork py; occasional BQEs at 23.65, 33.8m and 50.5m; 1% very fine grained to 0.5cm epy and apy, occasionally multigenerational; generally fresh but sometimes rusted; occasionally py follows foliation; core in interval is fairly competent, no faulting; local crenulations, occasionally well developed; local feldspar laths which resemble QAS but no quartz eyes observed; occasional 1-2mm cross cutting carb veinlets with enveloping chlorite; foliaform qtz outlined by chlorite; overall strong pervasive sericite alteration with patchy weak limonite alteration; 5% foliaform qtz; moderate patchy carb alteration in rock matrix; moderate patchy epidote alteration; very strong patchy oxidation at 62.6m to 65.5m;	ser	Str	lim	Wk	strong pervasive sericite and patchy weak limonite alteration; moderate patchy carb alteration	N	EPy	0.5	APy	0.5					1% apy and epy; occasionally foliaform; some multigenerational	5				
EC19-267	68.9	70.9	QAS		med grey; abundant white and blue qtz eyes 1-2mm; locally crenulated; overall irregular foliations; strong patchy carb alteration; weak patchy epidote alteration; abundant 3% multigeneration fresh epy 1-3mm; appears to be very large qtz sweat with irregular boundaries running sub-parallel to core axis; minor open space containing qtz recrystallization; minor boxwork py up to 2mm; minor partially-rusted multigenerational py; rusted along fracture surfaces	carb	Str			strong patchy carb alteration and weak patchy epidote alteration	N	EPy	3					fresh multigenerational epy 1-3mm	1						
EC19-267	70.9	71.75	QV Zone			lim	Wk			lim alt on fracture surfaces	N	EPy	1					partially rusted multigenerational epy up t 2mm							
EC19-267	71.75	94.2	SCH-i		med grey with patches of slightly darker grey units; foliation fairly consistent with the exception of fold axis at 76.0m; weak patchy SCH-ptm texture throughout interval likely caused by crenulations altering foliation; few xcut QVs at cm scale which are generally white; 1% very fine grained to 2mm epy and apy, occasionally multigenerational; generally fresh but sometimes rusted; occasionally py follows foliation; core in interval is fairly competent, no faulting; local crenulations, occasionally well developed; local feldspar laths which resemble QAS but no quartz eyes observed, particularly at 75.5m; occasional 1-2mm cross cutting carb veinlets with enveloping chlorite; foliaform qtz outlined by chlorite; overall strong pervasive sericite alteration with patchy weak limonite alteration; 5% foliaform qtz; moderate patchy carb alteration in rock matrix; moderate patchy epidote alteration;	ser	Str	carb	Mod	strong pervasive sericite alteration and moderate patchy carb alteration, weak patchy epidote alteration	N	EPy	0.5	APy	0.5					generally fresh epy and apy 1-3mm	5				
EC19-267	94.2	96.15	QV Zone		large QV zone containing host rock from 94.6-95.0; overall white QV with FeO and MnO on fracture surfaces; abundant chlorite on vein selvages; overall little mineralization in centre of veins but high concentration (2%) of rusted epy and boxwork py on vein margins; upper and lower contacts are broken and fractured; open space up to 0.5cm wide containing recrystallization; host rock inclusion is SCH-i and contains up to 5% rusted epy and boxwork py;	lim	Mod			moderate and concentrated on fracture surfaces	N	EPy	2					2% concentrated on vein margins; up to 3mm							
EC19-267	96.15	111.25	SCH-i		med grey and rusty with strong oxidation throughout interval; strong crenulations throughout interval which run parallel to subparallel to core axis from 96m to 105m; crenulations frequently so pervasive they overprint foliation completely; minor patchy faulting and broken core throughout interval but overall generally competent core; 3% rusted epy 1-5mm, some large py grains contain fresh cores with rusted rims; occasional fresh py grains; occasional very weak SCH-tec texture likely caused by crenulations cutting foliation; alteration comprises strong patchy carb alteration within rock matrix and as carbonate contained in foliaform qtz; limonite alteration throughout interval and pervasive sericite alteration	lim	Str	carb	Str	strong limonite and carbonate altered interval, limonite alteration is pervasive and carb alteration is patchy; also strong pervasive sericite alteration	N	EPy	3					some fresh, some rusted, some rusted with fresh cores; 1-5mm							
EC19-268	0	3	OVB		SCH-f and QV rubble. core is not competent enough to say with certainty that this is a lithology other than overburden.	mno	Wk			dendritic MnO in quartz vein.	N							trace copper oxide found on corner of quartz at 2.9m.							
EC19-268	3	5.9	QV Zone		large foliaform quartz zone. beginning of interval has small sub interval of pale green chlorite with ptymatic folding from 3m-3.4m. Fault gouge and fault breccia found at end of interval from 3.9m to 4m. the foliation appears to be sub parallel to long core axis and the quartz sweats appear to follow the same trend. there are abundant vugs in quartz from 3.5m to 4m, and tapers off to less vugs after that. quartz is a blend of both milky and smoky quartz. x-cut vein from 3.47m-3.5m.	mno	Mod	lim	Wk	blobs of MnO. orange iron oxide frequently fills fractures.	N	EPy						trace rusty pyrite.	70						
EC19-268	5.9	13.6	SCH-i		bright green chlorite from 5.9m-9m appears more felsic than rest of interval. abundant foliaform quartz sweats. from 9m-13.6m darker brown-green color. unit appears very silicified.	lim	Mod	mno	Str	oxidized appearance. fresh surfaces black from MnO.	N	EPy	0.5					0.5% fine grained epy from 9.4m to 9.6m. 0.5% epy from 12m-13.6m increasing in abundance and grain size towards down hole.	40						
EC19-268	13.6	13.8	QV		fractures on cut surface. euhedral quartz. weathered coarse grained pyrite.	lim	Wk	mno	Wk		N	EPy													
EC19-268	13.8	15.4	SCH-i		small x-cut chlorite band at 16.5m. very silicified. small weathered vugs in quartz.	carb	Wk			weak patchy carbonate in quartz sweats.	N	EPy						coarse grained rusty epy.	50						
EC19-268	15.4	17.8	QAS		small quartz eyes faintly dispersed. quartz sweats stained with FeO and MnO.	oxi	Mod				N	EPy		Ep	3			trace fine grained epy. epidote in quartz sweat at 16.1m.	30						
EC19-268	17.8	20.9	SCH-i		grey-green appearance. less oxidized than previous.	lim	Tr	carb	Wk	patchy carb	N	EPy	0.5	Ep	5	Bt	2	shiny epy sometimes tarnished yellow. biotite and epidote in quartz sweaty at 18.5m	30						
EC19-268	20.9	21.1	QV		larger than average quartz sweat. host rock inclusions.	lim		carb	Mod	patchy carb	N	Ep	2	Chl	1			black chlorite.							
EC19-268	21.1	36.8	SCH-i		very silicified. crenulations present. iron oxide staining in quartz sweats. local skeletal texture from 30.8m-31m.	lim	Str	carb	Wk	patchy carb. iron oxide stained qtz swats.	N	EPy		Ep	1			muscovite appears at 26m. trace disseminated euhedral pyrite. fine grained disseminated epidote.	40						
EC19-268	36.8	37.4	QV Zone		foliaform quartz stained orange and black. tiny vugs from weathered pyrite.	lim	Str	mno	Mod		N														
EC19-268	37.4	44.3	SCH-i		grey-green appearance with brown overprint. very weathered. foliaform quartz has many small vugs. small rubble zone from 42.7m-43m.	oxi	Str	carb	Mod	patchy carb. strong oxidation throughout.	N	EPy						trace disseminated epy.	40						
EC19-268	44.3	44.5	QV Zone		series of foliaform quartz sweats with three x-cut veins. one x-cut at 44.4m, and two conjugate veins at 44.5m. small blobs of epidote. 5% ankerite. 1% subhedral pyrite. red iron oxide staining on outside edges of pyrite.						N	EPy	1	Ep	3			including 5% ankerite.							
EC19-268	44.5	48.3	SCH-i		boudinaged quartz sweats. local pygmatic quartz at 48m.	lim	Mod	carb	Str	orange stain. calcite veinlets throughout.	N	Cal	5	EPy	1			local 1% epy at 45.2m.	50						
EC19-268	48.3	48.9	QAS		short interval with plentiful epidote and calcite. tiny quartz eyes faintly visible.	carb	Str	lim	Wk	patchy carb	N	Cal	3	Ep	5			calcite blobs. epidote concentrated at 48.7m.	60						
EC19-268	48.9	50.2	SCH-i		messy looking foliaform quartz. black banded chlorite. lots of epidote.	carb	Mod			carb local at 49.9m.	N	Ep	10					epidote surrounding foliaform quartz.	70						
EC19-268	50.2	59.3	QAS		small blue quartz eyes often clustered together. possible source of very fine grained gold.	carb	Mod	hem		common calcite veinlets. hematite stained foliaform quartz at 53.5m.	N	EPy	0.5					disseminated very fine grained tarnished pyrite. yellow appearance.	50						
EC19-268	59.3	67.1	SCH-i		very strong foliation. three fold noses visible at 66m.	oxi	Mod	carb	Str	series of large calcite veins from 63m-64m.	N	EPy	1					trace coarse grained rusted pyrite. highest concentration at 62.9m up to 1%.	50						
EC19-268	67.1	69.3	QAS		small blue quartz eyes dispersed throughout. very strong foliation. classic SCH-i appearance.	carb	Mod			patchy blobs of carbonate pervasive.	N	Cal		APy				calcite veinlet a 67.8m with anhedral and euhedral fine grained pyrite nearby.	30						
EC19-268	69.3	83.9	SCH-i		structurally deformed SCH-i. weak TEC texture from 73.9m-74.1m and 78.5m-78.7m.	lim	Str	ser	Str	strongly bleached, sericitized, limonitized from 75.7m-76.5m. moderate limonite carrieon through entire interval.	N	APy	1	EPy	3			fine grained shiny anhedral pyrite from 69.8m-71.2m. rusty euhedral pyrite from 73.3m- past end of interval.	40						
EC19-268	83.9	84.1	QV		foliaform QV with host rock inclusions. contains sericite, limonite, trace euhedral pyrite.	lim	Mod	ser	Tr		N	EPy													
EC19-268	84.1	89.4	SCH-i		strongly crenulated. weak pygmatic texture from 87.7m-87.9m.	lim	Mod	ser	Wk	limonite and sericite throughout interval.	N	EPy	2					coarse grained rusty euhedral pyrite throughout interval.	40						
EC19-268	89.4	91.3	SCH-i	SCH-tec	fabric no longer visible due to TEC texture. lumped TEC from sub intervals 89.4m-89.5m and 90.05m-90.3m and 90.8m-91.3m.	lim	Str	ser	Wk	limonite and sericite throughout interval.	N	EPy						trace coarse grained rusty euhedral pyrite.	40						
EC19-268	91.3	100.3	SCH-i		unit appears heavily altered by sericite. strong crenulations prevalent over foliation. boudinaged foliaform quartz.	ser	Str	lim	Wk	heavy sericite makes interval 92m-94m appear as a fault.	N	EPy						trace coarse grained euhedral pyrite until it becomes 2% from 100m-100.3m.	50						
EC19-268	100.3	101.2	SCH-i	SCH-ptm	wormy looking foliaform quartz.	chl	Mod	ser	Mod	soft black chlorite alteration. strong limonite and carbonate also present.	N	Cal	5					five calcite veinlets present in short interval.trace medium grained rusty pyrite.	60						
EC19-268	101.2	103.7	SCH-i		classic SCH-i. 20cm foliaform vein from 103.5m-103.7m. boudinaged foliaform quartz.	lim	Str	ser	Str	strong limonite and sericite from 101.2m-101.5m.	N	EPy	1	APy	0.5			trace ankerite from 102m-103m. rusty coarse grained euhedral pyrite from 101.9m-102.1m. very fine grained shiny and tarnished anhedral pyrite from 103m-103.5m.	50						
EC19-268	103.7	106.4	SCH-i	SCH-tec	primary fabric absorbed by TEC texture. q	chl	Mod	ser	Mod	soft chlorite overprint and moderate sericite throughout.	N	APy						trace disseminated very fine grained anhedral pyrite throughout interval.	50						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)
EC19-270	35.25	43.35	SCH-f		Pale green to sea green, well foliated to locally crenulated with a significant increase in foliaform quartz veins making the unit more SCH-f in composition. Numerous (7) large crosscutting QV up to 11 cm wide with local vugs, limonite staining and highly oxidized euhedral pyrite mineralization. Weak patchy limonite alteration staining groundmass light orange locally. Trace carbonate alteration as patches within foliaform quartz veins. Trace euhedral oxidized pyrite disseminated throughout.	lim	Wk	carb	Tr	Patchy limonite staining groundmass light orange. Trace carb as small patches within foliaform quartz veins.	N	EPy	0.1					Trace euhedral oxidized pyrite finely disseminated throughout.	25				
EC19-270	43.35	60.96	SCH-i		Greenish grey to locally dark grey with patchy, local weak limonite alteration staining groundmass around mm-size carbonate healed fractures with a light brownish orange overprint. Unit is fairly well foliated overall with local crenulations and fold noses. Quartz sweat and foliaform veins are locally vuggy and often stained rusty orange by weak limonite alteration and patchy off-white carbonate. Almost SCH-f in appearance from 58.2 to 59.4 m. 0.5% euhedral, mm-size oxidized pyrite disseminated throughout.	lim	Wk	carb	Tr	Patchy, local weak limonite alteration staining groundmass around mm-size carbonate healed fractures with a light brownish orange overprint. Carbonate also present as small off-white patches in groundmass and within foliaform QV.	N	EPy	0.5					0.5% euhedral, mm-size oxidized pyrite disseminated throughout.	10				
EC19-270	60.96	61.25	QV		Milky white fractured and broken QV with large limonite stained vugs up to 3 cm in size locally infilled with small, prismatic quartz. Vein itself is mineralized with a single euhedral cube of oxidized pyrite; however, the QAS following the broken lower contact contains 2-3% euhedral, oxidized pyrite ranging from 1-5 mm in size for approximately 1 m following the QV.	lim	Wk			Limonite coating along fractures and within vugs.	N	EPy	0.1					A single cube of oxidized euhedral py noted in QV.					
EC19-270	61.25	67.5	QAS		Greenish grey to locally grey where patchy limonite and sericite alteration decreases in intensity, well foliated to locally crenulated QAS. Mm-size blue quartz eyes noted locally throughout comprising approximately 1-2% and locally up to 5%. Quartz sweat and bands are stained with weak rusty orange limonite and local dark brown limonite/manganese oxide coated vugs. Trace, wispy carbonate stringers noted locally. 1% to locally 2-3% euhedral, highly oxidized pyrite cubes 1-5 mm in size noted throughout with highest concentration following a large, broken QV.	lim	Wk	ser	Wk	Patchy to locally pervasive limonite and sericite staining throughout groundmass. Local wispy xcutting carbonate stringers also noted.	N	EPy	1					1% to locally 2-3% euhedral, highly oxidized pyrite cubes 1-5 mm in size noted throughout with highest concentration following a large, broken QV.	5				
EC19-270	67.5	73.15	SCH-i		Dark grey to greenish grey, well foliated to locally crenulated and almost pygmatic SCH-i with a fairly fresh appearance. Local patchy limonite staining overprinting groundmass with a brownish orange tint. Trace carbonate alteration as off white mm-size patches and wispy crosscutting stringers. Trace, very fine euhedral oxidized pyrite. Looks fairly similar to QAS above, but quartz eyes no longer present.	lim	Wk	carb	Tr	Local patchy limonite staining overprinting groundmass with a brownish orange tint. Trace carbonate alteration as off white mm-size patches and wispy crosscutting stringers.	N	EPy	0.1					Trace, very fine euhedral oxidized pyrite.	5				
EC19-271	0	4.4	OVb		Rubble, dirt and broken pieces of tree root.						N												
EC19-271	4.4	25.4	QAS		Greenish grey to almost bluish grey (where alteration less intense) QAS is well foliated to locally crenulated near local fold noses. Up to 1 mm blue quartz eyes noted at a frequency of 1-2% throughout with pressure shadows and well defined augen lensing. Overall, the unit is weakly overprinted with small, <1 mm patches of epidote +/- carbonate and weak sericite, often along foliation. Weak limonite staining within foliaform quartz and along fracture surfaces. 0.5% fresh to oxidized euhedral pyrite throughout. A large fault zone is present from 21.85 m to 27.1 m that includes the large, milky white QV below. The fault zone is highly rubbly and locally gougey with increased limonite and sericite alteration and an almost tectonized appearance where competent. 0.5 m lost within fault interval.	lim	Wk	ser	Wk	Patchy epidote +/- carbonate alteration throughout groundmass and along foliation. Weak limonite staining along fracture surfaces and within foliaform quartz that increases in intensity with sericite in a large, rubbly fault zone.	N	EPy	0.5					0.5% fresh to oxidized euhedral pyrite disseminated throughout.	10				
EC19-271	25.4	25.8	QV		Milky white, highly fractured and broken QV within larger fault zone. Fractures are coated and stained with limonite +/- chlorite +/- manganese oxide. No visible mineralization; however, QAS above and below contain increased oxidized euhedral pyrite up to 2% near vein margin.	lim	Wk	mno	Wk	Limonite and manganese oxide staining along fracture surfaces.	N												
EC19-271	25.8	27.1	QAS		Continuation of unit above from 4.4 to 25.4 m. Sheared and crenulated overall with weak pervasive sericite alteration and weak limonite staining along fracture surfaces. Trace to locally 2% near QV margin following vein above euhedral oxidized pyrite	lim	Wk	ser	Wk	Weak pervasive sericite alteration and weak limonite staining along fracture surfaces.	N	EPy	0.1					Trace to locally 2% near QV margin euhedral oxidized pyrite up to 1 mm in size.	2				
EC19-271	27.1	29.85	SCH-i		Greenish grey, well foliated to locally crenulated SCH-i with weak pervasive sericite alteration and limonite +/- manganese oxide staining along fracture surfaces. 1% euhedral, oxidized pyrite cubes up to 2 mm in size disseminated throughout.	ser	Wk	lim	Wk	Weak pervasive sericite alteration and weak limonite +/- manganese oxide staining along fracture surfaces.	N	EPy	1					Euhedral, highly oxidized pyrite cubes up to 2 mm disseminated throughout.	2				
EC19-271	29.85	32.8	SCH-f		Pale green to sea green, well foliated to locally crenulated SCH-f with a significant increase in locally vuggy foliaform quartz veins and bands than the SCH-i unit above. Weak to locally moderate pervasive sericite alteration noted throughout. Trace limonite staining along local fracture surfaces, along small, carbonate healed fractures and as alteration haloes around 1% euhedral, highly oxidized pyrite disseminations <1 mm in size.	ser	Wk	lim	Tr	Weak to locally moderate pervasive sericite alteration. Trace limonite staining along local fracture surfaces, along small, carbonate healed fractures and as alteration haloes around pyrite.	N	EPy	1					<1 mm euhedral highly oxidized pyrite finely disseminated throughout with local oxidation staining as halo around cube.	15				
EC19-271	32.8	35.6	SCH-i	SCH-tec	Greishy green to locally rusty brown in zones of moderate to strong limonite staining along foliation planes SCH-i with a tectonized and sheared appearance. Where foliation present, unit is strongly crenulated to pygmatic. Trace carbonate along local crosscutting healed fractures. 1% small, euhedral oxidized pyrite disseminated throughout.	lim	Mod	carb	Tr	Moderate to strong limonite staining groundmass a rusty brown colour. Trace carbonate along small, local crosscutting healed fractures.	N	EPy	1					Very small, up to 1 mm highly oxidized euhedral pyrite disseminated throughout.	7				
EC19-271	35.6	48.5	SCH-f		Pale green to greishy green, strongly foliated to locally laminated SCH-i with small crenulated sections near local fold noses. Foliaform quartz content with very trace local limonite staining and local bounding is significantly increased in this unit from the SCH-i above and below. Overall, the unit is fairly fresh with local patchy rusty orange limonite staining of groundmass near limonite coated fractures and a very weak pervasive sericite alteration overprint. Unit is crosscut by numerous (11) milky white, locally vuggy and limonite stained QV and several discontinuous crosscutting QV. 1-2% euhedral oxidized pyrite cubes up to 3 mm in size are disseminated throughout, but often increase near crosscutting QV margins.	lim	Wk	ser	Tr	Trace pervasive sericite overprint. Weak rusty orange limonite staining groundmass near limonite coated fractures.	N	EPy	1					1-2% euhedral oxidized pyrite cubes up to 3 mm disseminated throughout and often increasing in concentration near crosscutting QV margins.	25				
EC19-271	48.5	49.6	SCH-i		Small section of greishy green, strongly foliated to crenulated and locally folded SCH-i with patchy rusty to brownish orange limonite staining of groundmass, particularly within foliaform QV. 1%, locally up to 2% for 10 cm preceding large crosscutting QV, euhedral, highly oxidized pyrite cubes up to 4 mm in size.	lim	Wk			Patchy, weak brownish orange to rusty orange limonite staining along groundmass and within foliaform quartz.	N	EPy	1					1% euhedral, highly oxidized pyrite cubes up to 4 mm in size. Locally up to 2% for 10 cm preceding a large milky whiter QV.	2				
EC19-271	49.6	49.88	QV		28 cm wide milky white crosscutting quartz vein with numerous limonite stained fractures and vugs that are locally coated with manganese oxide. Trace euhedral, highly oxidized pyrite cubes along vein margins and up to 2% pyrite within host rock.	lim	Mod	mno	Tr	Rusty orange to dark brown limonite and manganese oxide coating along fracture surfaces.	N	EPy	0.1					Trace euhedral, highly oxidized pyrite cubes along vein margins with up to 2% euhedral pyrite in host rock near vein margins.					
EC19-271	49.88	63	SCH-i		Dark greishy green to light greenish grey, well foliated to locally crenulated and pygmatic SCH-i with milky white to dark grey quartz bands and foliaform veins. Quartz is locally altered with weak limonite staining and patchy dark green chlorite. Section from 60 to 62 m has a slightly bleached and silicified appearance. Trace, wispy carbonate stringers throughout as well as trace patchy epidote along healed fractures. 1%, locally up to 3%, euhedral, highly oxidized pyrite disseminated throughout.	lim	Wk	carb	Tr	Trace carbonate as wispy crosscutting stringers. Weak limonite staining along foliaform quartz and fracture surfaces, locally altering groundmass as small, <1 cm halos. Trace, patchy pistachio green epidote along small healed fractures.	N	EPy	1					1%, locally up to 2-3% around milky white crosscutting QV, euhedral, highly oxidized pyrite.	15				
EC19-271	63	66.4	SCH-f		Olive to khaki green, well foliated to almost laminated SCH-f with thin bands of light brownish orange carbonate and limonite alteration along foliation and locally within foliaform quartz. Very different in appearance overall from the SCH-f noted from 35.6 to 48.5 m with majority of quartz content as very fine bands. Trace, patchy to dendritic manganese oxide along fracture surfaces. Trace, <1 mm very fine oxidized pyrite cubes throughout with larger, up to 3 mm oxidized pyrite with locally fresh cores comprising up to 0.5% in foliaform quartz.	lim	Wk	carb	Wk	Thin bands of light brownish orange carbonate and limonite alteration along foliation and locally within foliaform quartz. Trace, patchy to dendritic manganese oxide noted locally along fracture surfaces.	N	EPy	0.1					Trace, <1 mm very fine oxidized pyrite cubes throughout with larger, up to 3 mm oxidized pyrite with locally fresh cores comprising up to 0.5% in foliaform quartz.	5				
EC19-271	66.4	88.39	QAS		Light to dark greenish grey, well foliated QAS has an almost "tiger" to tectonized and sheared appearance near 80 m with highly crenulated chlorited and local folds. Quartz bands throughout are locally boudinaged and almost pygmatic. Unit is comprised of small, up to 2 mm blue quartz eyes noted intermittently throughout up to 1% (tend to be present in locally increased concentrations). Weak limonite staining as halos around small fractures, small patches with trace carbonate and within foliaform quartz veins. Trace, patchy epidote noted locally. 0.5% very fine, euhedral, oxidized pyrite noted throughout.	lim	Wk	carb	Wk	Weak limonite staining as halos around small fractures, small patches with trace carbonate and within foliaform quartz veins. Trace, patchy epidote noted locally.	N	EPy	0.5					0.5% very fine, euhedral, oxidized pyrite noted throughout.	15				
EC19-272	0	2.3	OVb		rubble pieces. Includes 5cm quartz vein.	oxi	Str			rusty and weathered appearance.	N							no significant mineralization.	60				
EC19-272	2.3	12	QAS		rubble pieces common, oxidation clearly visible. strongly foliated; green appearance. foliaform quartz from 7.6m-7.85m has large cubes of rusty pyrite. surface fractures near 10m.	oxi	Str	ser	Tr	oxidation throughout interval. sericite from about 8m-10m.	N	EPy	0.5					medium grained rusty cubes of pyrite from 3m-4.5m and 6m-7.5m.	40				
EC19-272	12	13.45	SCH-i		silver black appearance. orange stained foliaform quartz.	carb	Tr	chl	Mod	thin veins of carbonate. bands of dark green chlorite.	N	EPy	1		Ep	3		large pyrite cubes near 12.5m. pyrite becomes finer grained and follows foliation towards down hole. epidote clustered from 12m-12.4m.	50				
EC19-272	13.45	14.8	SCH-f		pale green silicified chlorite. lighter color than standard footwall felsic. hematite stained foliaform quartz. moderate skeletal texture throughout.	hem	Str	chl	Mod	spotted chlorite with hematite inside near end of interval. weak patchy carbonate.	N							hematite in spotted chlorite.	80				
EC19-272	14.8	15.7	QAS		same as felsic unit above however there is a cluster of blue quartz eyes that are at the beginning of this interval and fade off towards down hole.	hem	Str	chl	Mod	spotted chlorite with hematite inside near start of interval. weak patchy carbonate.	N							hematite in spotted chlorite.	80				
EC19-272	15.7	17	SCH-i		crenulations sub parallel t/c. orange stained foliaform quartz.	lim	Mod	ser	Mod	silver appearance from sericite and orange foliaform quartz limonite.	N	EPy	1		Ep	3		trace fuchsite at 16.4m. large cubes of pyrite at 16.5m. epidote concentrated from 16.2m-16.4m.	40				
EC19-272	17	21	QAS		unit appears intermediate with blue quartz eyes dispersed throughout. hematite stained foliaform quartz. well developed foliation.	hem	Mod	ser	Wk	hematite stained quartz and sericite patches appear at 19m and onwards.	N	EPy	0.5		Ep	5		trace fuchsite at 18.4m. rusty cubes of pyrite at 19.4m. foliaform epidote throughout.	50				
EC19-272	21	22.1	SCH-i		dark grey. crenulations sub parallel t/c.	ser	Tr	carb	Wk	trace patchy carb.	N	EPy	0.5		Ep	3		coarse grained rusty pyrite cubes. epidote in blobby patches and foliaform.	30				
EC19-272	22.1	23.3	QAS		tiny blue quartz eyes. weathered and oxidized with little vugs and surface fractures.	oxi	Mod	sil	Mod	oxidized and as hard as quartz.	N	EPy			Ep			trace disseminated fine grained rusty pyrite cubes. small epidote blobs at 23m.	50				
EC19-272	23.3	28	SCH-i		strong local crenulations. strong foliation. color transitions from green to dark grey. foliaform quartz stained orange.	lim	Mod	carb	Tr	trace patchy carb. orange stained quartz. trace sericite at top of interval.	N	EPy			Ep	8		trace Epy. epidote forms in both patchy blobs and foliaform.	40				
EC19-272	28	31.3	SCH-f		classic pale green footwall felsic. slip surfaces observed at 28m and 29.2m. there are many x-cut veins in this interval, many of which have euhedral pyrite within.	sil	Str	ser	Wk	weakly oxidized.	N	EPy	0.5					disseminated rusty cubes of pyrite.	70				
EC19-272	31.3	31.6	QV		milky white vein. trace MnO. medium size euhedral crystals. 3% pyrite in host rock outside of vein.	mno	Tr				N												
EC19-272	31.6	37.8	SCH-f		classic pale green footwall felsic. there are many x-cut veins in this interval, many of which have euhedral pyrite within.	sil	Str	ser	Wk	weakly oxidized.	N	EPy	0.5					disseminated rusty cubes of pyrite.	70				
EC19-272	37.8	38	QV		foliaform. milky white quartz. conjugate micro fractures. trace MnO.	mno	Tr				N												
EC19-272	38	43.6	SCH-i		core appears darker than previous felsic units. tectonized sub interval from 38.1m-38.7m. felsic sub interval from 38.8m-39.4m. local pygmatic texture at 40.8m and 41.8m. strong foliation and strong local crenulation.	oxi	Mod	carb	Mod	moderate patchy carb. orange/black stains from FeO and MnO.	N	EPy						trace local euhedral pyrite.	50				
EC19-272	43.6	45.5	QAS		blue quartz eyes faintly visible. otherwise SCH-i unit. tiny holes from weathered pyrite. crenulations sub parallel t/c.	oxi	Str	ser	Wk	strongly weathered appearance, possibly due to fluid flow from x-cut quartz infiltration. weak local sericite towards down hole.	N	EPy	3					fine to coarse grained rusty pyrite throughout.	50				
EC19-272	45.5	45.7	QV Zone		messy looking veins. no distinct orientation at all. very oxidized. 3% coarse grained pyrite inside and outside of veins. potentially gold bearing.	oxi	Str			dark brown open spaces. potentially weathered out pyrite.	N	EPy	3					coarse grained rusty and multi-generational pyrite.					
EC19-272	45.7	46.5	QAS		blue quartz eyes faintly visible. otherwise SCH-i unit. tiny holes from weathered pyrite. crenulations sub parallel t/c.	oxi	Str	ser	Wk	strongly weathered appearance, possibly due to fluid flow from x-cut quartz infiltration. weak local sericite towards down hole.	N	EPy	2					fine to coarse grained rusty pyrite throughout.	40				
EC19-272	46.5	46.9	QV Zone		messy looking veins. no distinct orientation. very oxidized. 2% fine to coarse grained multi generational pyrite. deep micro fractures that follow same orientation as crenulations sub parallel t/c. potentially gold bearing.	oxi	Str			dark brown open spaces. potentially weathered out pyrite.	N	EPy	2					fine to coarse grained multi generational pyrite.					
EC19-272	46.9	50.3	QAS		blue quartz eyes faintly visible. otherwise SCH-i unit. tiny holes from weathered pyrite. crenulations sub parallel t/c.	oxi	Mod	ser	Wk	weak sericite throughout. appears less oxidized than previous QAS units.	N	EPy	0.5		Ep	0.5		disseminated coarse grained rusty pyrite. local epidote found at 50.2m.	30				
EC19-273	3.05	6.86	SCH-m	SCH-lam-nu	Dark and light grey, 1mm scale, fairly uniform banding, gradually becoming finer grained, and just well foliated. moving towards a "Shelly" luster.	carb	Mod				N	EPy	0.5						5				
EC19-273	6.86	19.8	QAS		From 6.86 to about 10.3, unit takes on a browner his due to wk carb alteration, as well as being more granular looking. Siliceous bands become fractured and 2 small qtz veins are located within his zone. Below 10.3 to about 19.8m, unit goes back to a greishy colour, similar to 3.05 to 6.86 with occasional bands of bed's.	carb	Mod				N	EPy	0.5						7				
EC19-273	19.8	43.8	SCH-m	SCH-yel	Below 20m, core reverts to a well fol. Sch-yel-m similar to start of hole. Core has the iridescent look when micas are cut. Foliations become less regular, and are sometimes disrupted along crenulation cleavage, which is always flatter to the c.a. than foliations. Carb is stronger and pervasive throughout. Magnetite is present from 27 to 27m and 38 to 40m.	carb	Str	ser	Mod	Strong, pervasive carbonate alteration gives unit an almost pitted appearance. Moderate pervasive sericitization of groundmass. Weak limonite staining along fractures and within foliaform quartz.	N	EPy	2						10				
EC19-273	43.8	51.8	QAS		Greenish grey, weakly to locally well foliated QAS with strong pervasive carbonate alteration of the groundmass as small limonite stained patches and wispy crosscutting stringers. Similar in appearance and composition to SCH-i above and below only unit contains euhedral. blue quartz eyes up to 1 mm in size comprising 1-2%. Weak limonite staining also noted along fracture surfaces. Weak to moderately pervasively sericitized throughout. Up to 1% euhedral, oxidized pyrite disseminated throughout as up to 2 mm cubes. Small fault zone from 51 to 51.82 m with 0.37 of core loss in a highly rubbly zone.	carb	Str	ser	Wk	Strong pervasive carbonate alteration as limonite stained patches within groundmass and within foliaform quartz. Weak to moderately pervasively sericitized throughout. Up to 1% euhedral, oxidized pyrite disseminated throughout as up to 2 mm cubes.	N	EPy	1					Up to 1% euhedral, oxidized pyrite as up to 2 mm cubes.	7				

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)
EC19-273	51.8	61.4	SCH-m	SCH-yel	Dark greenish grey, well foliated to locally crenulated and folded with moderate to strong pervasive sericitization, weak limonite staining along fractures and associated with moderate patchy carbonate alteration and wispy carbonate stringers. Very similar in appearance and composition to SCH-m units above. Numerous (10) milky white, locally chlorite and limonite altered QV crosscutting throughout the unit. A QV from 59.65 to 59.7 m has a small <1 mm speck of VG attached to an oxidized pyrite grain at vein margin. Up to 2% oxidized, euhedral pyrite up to 2 mm noted dominantly near QV margins.	carb	Mod	ser	Mod	Moderate to strong pervasive sericitization, weak limonite staining along fractures and associated with moderate patchy carbonate alteration and wispy carbonate stringers.	Y	EPy	2					Up to 2% oxidized, euhedral pyrite up to 2 mm noted dominantly near QV margins. Speck of VG near vein margin in 5 cm QV from 59.65 to 59.7 m.	10				
EC19-273	61.4	77.72			Dark greenish grey, weakly foliated to locally pygmatic and folded QAS similar to that noted from 43.8-51.8 m. Unit is very similar in composition to SCH-m above with the exception of up to 1 mm euhedral blue quartz eyes with local pressure shadows and a weaker foliation fabric overall. Small patches of pervasive moderate carbonate alteration and wispy carbonate stringers noted throughout. Weak limonite staining along fractures and associated with patches and wispy stringers of carbonate. Weak, pervasive sericite alteration. Trace, fine euhedral oxidized pyrite throughout. Below 70m, foliation flattens to nearly parallel to CA down to about 95.	carb	Mod	ser	Mod	Small patches of pervasive moderate carbonate alteration and wispy carbonate stringers noted throughout. Weak limonite staining along fractures and associated with patches and wispy stringers of carbonate. Weak, pervasive sericite alteration.	N	EPy	0.1					Trace, fine euhedral oxidized pyrite throughout.	2				
EC19-273	77.72	99.06	SCH-m	SCH-yel	Similar to SCH-yel,m units above, likely primary is a tuffaceous bed, within primarily mafic derived volcanics or derived sed. Locally crenulated and folded. Occasional narrow band of qtz eyes. Zone of 4 to 10cm qtz veins from 95.6 to EOH at 100.58.	carb	Mod	lim	Tr	Moderate carbonate alteration as small patches and wispy stringers up to 1 mm wide. Local trace to weak limonite staining along fracture surfaces and as alteration halos around carbonate stringers.	N	EPy	0.5					Euhedral fresh pyrite cubes up to 2 mm in size.	5				
EC19-273	99.06	100.58	QAS		Breccia zone at end of hole in brownish schist. Contains about 5% Py and some more cherty looking quartz as matrix.	carb	Mod	lim	Wk	Moderate carbonate alteration as patches, stringers and along fracture surfaces associated with weak rusty orange limonite.	N	APy	5					Finely disseminated throughout.	5				
EC19-274	0	5	OVb		small pieces of rubble, covered in dirt, lots of core loss, the most resistant pieces contain more quartz, possibly intermediate, although darker and less quartz. high amount of visible micas. strong crenulation and foliation.	ser	Mod		Tr	trace patchy carb. trace list at 7.4m and 16.5m. strong sericite from 17m-18m. trace spotted chlorite for first half of interval.	N	EPy	0.5					coarse grained disseminated pyrite. 1% pyrite from 16.1m-16.6m.	20				
EC19-274	5	19.65	SCH-m	SCH-yel	tiny blue quartz eyes. strongly foliated.	ser	Tr	chl	Mod	spotted chlorite. sericite visible on fracture surfaces.	N	Qtz	3					3% fine grained blue quartz eyes.	50				
EC19-274	19.65	20.9	QAS			ser	Str			local clusters of about 5% ankerite at 23m, 24.8m, 27.2m, 28.2m. strong band of fuchsite first appears at 28.2m and stains host rock here on out. weak patchy pervasive carb.	N	EPy	0.5	Qtz				0.5% disseminated coarse grained pyrite. trace quartz eyes in some spots but not distinct enough to break out QAS lithology.	40				
EC19-274	20.9	35.5	SCH-m	SCH-yel	classic yel-mafic/list lithology. dark appearance with silver over print. grades into intermediate towards end of interval.	ser	Str			strong patchy carb. calcite veinlets. local 10% ankerite at 36.2m. trace fuchsite. strong chlorite.	N	Qtz	2					2% medium grained blue quartz eyes. no pyrite found.	20				
EC19-274	35.5	36.8	QAS		medium grained distinctive blue quartz eyes. unusually dark unit, from strong dark chlorite. strong crenulation sub parallel.	carb	Str	chl	Str	local 20% ankerite at 38m. fuchsite staining throughout. dark areas are due to dark chlorite.	N	Qtz		EPy				trace very fine grained blue quartz eyes not significant enough for QAS lithology. trace disseminated fine grained pyrite.	30				
EC19-274	36.8	42.6	SCH-i		this unit is visibly lighter in color and more siliceous than previous mafic units. blue-green staining from fuchsite. appears darker in some areas due to chlorite. strong crenulations over power foliation.	carb	Str			moderate limonite staining in local patches.	N	Qtz	1.5					1.5% fine grained blue quartz eyes.	20				
EC19-274	42.6	45.5	QAS		very silicified, weak skeletal texture.	lim	Mod	sil	Str	pervasive carbonate. patchy limonite stains. trace fuchsite.	N	Qtz	0.5	EPy		Cal	3	calcite veins common about every meter. trace very fine grained pyrite. fine grained blue quartz eyes.	30				
EC19-274	45.5	53.5	SCH-m		relatively dark and less silicified than intermediate unit. contains quartz eyes but not significant amount. crenulations sub parallel. very strong foliation towards end of interval.	lim	Mod	carb	Wk	trace patchy carb. strong orange limonite staining.	N	Qtz	3					3% medium grained blue quartz eyes.	40				
EC19-274	53.5	54.4	QAS		very strong foliation. blue quartz eyes. otherwise mafic unit.	oxi	Str	carb	Tr	weak fuchsite alternates with dark chlorite with sharp contacts. calcite blobs common in foliaform quartz and strings along foliation.	N	Qtz	0.5	EPy	1	Cal	1	calcite in foliaform veins and along foliation. rusted pyrite near foliaform quartz in between 55m and 56m.	50				
EC19-274	54.4	57.8	SCH-m		moderately oxidized unit. foliaform quartz common at start of interval. slip surface from 56m-57m along core axis, most likely from crenulation weakness. strong foliation. crenulation sub parallel.	oxi	Mod	carb	Mod	blue-green list appearance. silver sericite common throughout.	N	Qtz	3	EPy				trace coarse grained pyrite. 3% coarse grained blue quartz eyes.	40				
EC19-274	57.8	59.2	QAS	SCH-yel	3% coarse grained blue quartz eyes. otherwise SCH-yel-mafic unit with list alteration. crenulations sub parallel. strong foliation.	list	Mod	ser	Mod	list alternates with darker unit with dark chlorite and biotite. calcite veins more common towards end of interval. oxidation strongest from 64m-66m due to slip surface.	N	Qtz		EPy	0.5			0.5% rusty medium grained euhedral pyrite from 63m-64m, possibly from slip surface conduit. trace blue quartz eyes.	50				
EC19-274	59.2	66	SCH-m		moderately oxidized and calcified mafic unit.	oxi	Mod	carb	Mod	weak sericite towards end of interval. moderate patchy carbonate.	N	EPy	0.5	Qtz	2			2% fine grained blue quartz eyes. foliaform quartz displays kink folds.	60				
EC19-274	66	67.35	QAS			carb	Mod	ser	Wk		N	EPy											
EC19-274	67.35	69.2	SCH-m	SCH-yel	Log taken over by SF - June 25, 2019; medium grey - green with dirty milky white foliaform quartz sweats. Well foliated throughout interval ~ 30 degrees. SCH-yel overprint at top of interval to 68.30 m. MnO occurring in circular blebs along fracture surfaces. Cross cutting chlorite/ carbonate stringers. Locally crenulated - sub parallel tca - 68.6 m.	carb	Tr		Wk	Carbonate - patchy local as well as cross cutting stringers. MnO occurring along fracture surfaces as circular patches.	N	EPy	0.1					Fine grained, disseminated, completely oxidized pyrite.	5				
EC19-274	69.2	74.6	QAS		Light to medium grey - green; Disseminated light blue and white quartz eyes ranging in size from 2-4 mm in size. The white quartz eyes are generally a little larger in size in comparison to the light blue ones. Local selective patchy oxidation occurring locally as pervasive. Unit is moderately foliated as well as locally crenulated - 30 degrees tca. Local cross cutting wispy carbonate stringers occurring throughout interval. Local fracturing infilled with epidote and carbonate alteration. Dirty milky white quartz sweats occur throughout the interval - disseminated. Local patchy trace SCH-yel overprint. Disseminated fine grained pyrite that is fresh as well as completely oxidized pyrite.	lim	Mod	carb	Wk	Limonite - local patchy to locally pervasive; Carbonate - local cross cutting stringers as well as pervasive carbonate alteration.	N	EPy	0.1					Euhedral, fine grained, fresh and completely oxidized pyrite, disseminated to locally clustered,.	1				
EC19-274	74.6	78.6	SCH-m		Light grey - green to dark grey to locally black. Color changes from light grey - green at top of interval changing to medium to dark grey - locally black. Color change occurs at approximately 76.50 m. SCH-m appears very similar to QAS above (69.2-74.6 m). Dirty milky white foliaform quartz sweats are disseminated. Selective patchy pervasive limonite staining. Local wispy cross cutting carbonate stringers as well as chlorite. Local pyritically folded quartz lens as well as local crenulation - 30 degrees tca. Local concentration of large white, semi-circular quartz eyes - 4-5 mm wide occurring at 77.25 to 77.40 m.	lim	Wk	carb	Mod	Limonite - patchy selective alteration - locally pervasive; Carbonate - occurring as cross cutting stringers as well as locally pervasive.	N	EPy	0.1					Euhedral, fine grained, disseminated, completely oxidized.	10				
EC19-274	78.6	81.85	QAS	SCH-yel	Medium grey to dark grey with local bleached zone at upper contact to 78.8 m - light grey to tan. Weak patchy SCH-yel overprint with coarse grained silvery sericite. Unit is similar in look to above SCH-m but with the addition of light blue and white, circular quartz eyes. Quartz eyes range in size from 2 - 4 mm. Patchy selective pervasive oxidation. Local concentration of quartz sweats - dirty milky white - 80.35 to 81.10 m with patchy carbonate alteration. Fresh fine to medium grained, euhedral pyrite as well as completely oxidized. Wispy cross cutting carbonate stringers occurring locally. Unit is locally crenulated - 15 degrees tca.	lim	Mod	carb	Mod	Limonite - occurring as patchy pervasive - selective oxidization; Carbonate - as wispy cross cutting stringers as well as pervasive patchy.	N	EPy	1.5					Pyrite - euhedral, fine to medium grained, fresh as well as completely to partially oxidized, disseminated.	5				
EC19-274	81.85	82.5	QV Zone		Large quartz sweat with large wall rock inclusions - 3% up to 4 cm wide; milky white with limonite infilling fracture surfaces.	lim	Tr			Limonite - occurring along fracture surfaces.	N	EPy	0.1					Pyrite - euhedral, partially oxidized to completely oxidized, mostly in wall rock inclusions.					
EC19-274	82.5	85.45	QAS	SCH-yel	Medium to dark grey with patchy SCH-yel overprint with coarse grained silvery sericite. Light blue and white quartz eyes ranging in size from 2 - 5 mm wide - very trace. Abundant euhedral, fresh, medium to coarse grained, multi-generational pyrite - disseminated throughout interval. Dirty milky white, foliaform quartz sweats occurring predominantly at the upper contact up to 83.85 m. Patchy pervasive limonite staining. Cross cutting wispy carbonate stringers as well as chlorite stringers.	lim	Wk	carb	Mod	Limonite - occurring as local pervasive patches; Carbonate - patchy pervasive.	N	EPy	3					Pyrite - euhedral, disseminated, medium to coarse grained, multi-generational.	10				
EC19-274	85.45	99.1	SCH-i	SCH-yel	Medium to dark grey with local green- grey with patchy SCH-yel with abundant coarse grained silvery sericite. Moderately foliated throughout interval with local crenulation - generally low to almost sub parallel tca. Locally well fractured with limonite infilling - 87.50 - 88.50 m. Fine to coarse grained, euhedral, fresh to completely oxidized, disseminated pyrite. Fresh pyrite is multi-generational. Local wispy cross cutting carbonate stringers as well as chlorite stringers. Minor zone with a few blue quartz eyes occurring at 97.90 to 98.10 m. Patchy local limonite and locally pervasive in fracture zone.	carb	Mod	lim	Wk	Carbonate - occurring as stringers as well as patchy pervasive. Limonite - coming in along fracture surfaces as well as local patchy.	N	EPy	0.3					Pyrite - fine to coarse grained, euhedral, completely oxidized to fresh, disseminated but locally clustered. Fresh pyrite is multi-generational.	1				
EC19-274	99.1	113.2	SCH-m	SCH-yel	Medium to dark grey almost black to medium/ dark green with patchy moderate SCH-yel overprint with coarse grained silvery sericite. Unit is moderately foliated throughout interval as well as locally crenulated - 20 tca. Foliation is shallow throughout interval. Fresh, disseminated, multi-generational, fine to medium grained, euhedral pyrite. Local pervasive biotite alteration occurring in differing intensities. Patchy zones of listwanite - Fuchsite + Carbonate + Pyrite (not as much as would be expected) occurring at 106.75 - 106.90 m, 108.40 - 108.75 m, 109.60 - 109.80 m. Also possible patchy rhodocrosite - patchy light pink carbonate but readily reacts. Multiply cross cutting quartz veins occurring at the lower contact - 112 - 113.2 m. Local cross cutting wispy carbonate stringers occurring throughout the interval.	bio	Mod	carb	Wk	Biotite - locally pervasive following foliation; Carbonate - occurring as wispy cross cutting stringers as well as patchy.	N	EPy	0.2					Pyrite - fine to medium grained, fresh to completely oxidized, disseminated to locally clustered together, fresh pyrite is multi-generational.	3				
EC19-274	113.2	116	QAS		Medium to dark green - grey with patchy pervasive brown. Light blue to white quartz eyes that range in size from 1-2 mm wide, disseminated. Looks very similar to above SCH-m but with quartz eyes. Well foliated throughout unit predominantly shallow to sub parallel tca. Nose of fold occurring at top of interval down to 113.55 m. Local pervasive biotite alteration to patchy. Patchy white carbonate alteration occurring throughout the interval. Local wispy cross cutting carbonate stringers. Local pyritically folded quartz lens.	bio	Str	carb	Wk	Biotite - along foliation, locally pervasive; Carbonate - patchy white locally clustered together.	N	EPy	0.1					Pyrite - fine grained, disseminated, completely oxidized, euhedral.	2				
EC19-274	116	124.05	SCH-m	SCH-yel	Light grey to medium grey with dark brown zones. Blue-green tinge coming in at the lower contact. Patchy SCH-yel over print - with coarse grained sericite. Appears to be locally bleached or silicified - 117 - 118.9 m - light grey. Unit is well foliated with local crenulation - 15 degrees tca. Biotite alteration is patchy and locally pervasive. Patchy white carbonate alteration - circular in nature. Patchy limonite alteration occurring locally. Pyrite - is completely oxidized up to 119 m where we see fresh non-oxidized pyrite. Cross cutting wispy carbonate stringers locally.	bio	Mod	carb	Mod	Biotite - along foliation, locally pervasive to patchy; Carbonate - in patchy zones with white circular spots. Limonite - patchy trace - locally pervasive.	N	EPy	0.3					Pyrite - medium grained, disseminated but locally higher concentrations. Completely oxidized - after 119 m to fresh, euhedral, fresh pyrite is multi - generational.	5				
EC19-274	124.05	127.25	SCH-i		Light to medium grey. Looks similar to above SCH-m but has become much lighter in color than SCH-m. Well foliated over unit. Patchy limonite occurring throughout interval. Local wispy cross cutting carbonate stringers.	lim	Wk	carb	Tr	Limonite - patchy local - weak; Carbonate - predominantly occurring in quartz sweats.	N	EPy	0.1					Pyrite - medium to coarse grained, disseminated, fresh, euhedral, multi-generational.	5				
EC19-274	127.25	133.35	QAS	SCH-yel	Light to medium grey - very similar in look to above SCH-i but with the addition of quartz eyes. Light blue and white quartz eyes ranging in size 1-2 mm, locally clustered together. Well foliated throughout interval. Cross cutting wispy carbonate stringers occurring locally. Patchy limonite coming in along fracture surfaces. Local small fold nose at 132.50 to 132.60 m. Patchy SCH-yel increasing in intensity as we go down interval.	lim	Wk	carb	Tr	Limonite - coming in along fracture surfaces; Carbonate - just as cross cutting stringers.	N	EPy	0.1					Pyrite - medium grained, disseminated, fresh, euhedral.	5				
EC19-274	133.35	147.8	SCH-m	SCH-yel	Dark grey to brown with patchy SCH-yel with coarse grained silvery sericite. Interval becomes more fractured and broken up as we approach minor fault at 135.85 to 136.50 m. Limonite comes along fracturing surfaces locally pervasive at upper contact of fault and weakening in intensity as we go down interval. Fracturing starts at 134.3 m and extends down to the fault at 135.85 m. Pervasive biotite alteration locally to patchy. Interval is well foliated throughout unit and is locally crenulated - very shallow (10 degrees tca) to sub parallel tca. As well the foliation is pulled sub parallel in a few different locations. In these locations the quartz sweat concentrations are increased. Dirty milky white quartz sweats are disseminated as well as locally concentrated. There are two cross cutting quartz veins that are approximately 90 degrees tca - one is 16 cm and the other is 4 cm wide with 3 cm of wall rock in between the two. Weak patchy carbonate alteration as well as occurring as carbonate stringers This interval has a few different slip surfaces - 15 and 20 degrees tca.	bio	Mod	carb	Wk	Biotite - locally pervasive to patchy along foliation. Carbonate - many carbonate stringers as well as patchy overall. Limonite - coming in along fracture surfaces.	N	EPy	0.3					Pyrite - medium grained, disseminated, fresh, multi-generational, euhedral.	10				
EC19-274	147.8	155.45	QAS		Medium to dark grey with a tan/ brown tinge locally. Looks very similar to above SCH-m but with the addition of the quartz eyes. Well foliated throughout the interval with it locally pulled sub parallel tca with increased quartz sweat concentrations in the areas where the foliation is pulled sub parallel.148.35 to 152.15 m the foliation is sub parallel tca as well as 153.9 to 155.2 m. Interval has light blue and white quartz eyes ranging in size from 1 to 6 mm. Some of the eyes are circular in shape to augen shaped. Local cross cutting carbonate stringers. Small fault with fault breccia and oxidization coming in along fault - 152.35 to 152.60 m.	carb	Tr	lim	Tr	Carbonate - occurring as cross cutting stringers throughout interval; Limonite coming in along fault and other fracture surfaces.	N	EPy	0.1					Pyrite - fresh, multi-generational, euhedral, locally clustered together, medium grained.	10				
EC19-275	0	4.8	OVb		Sub-angular to rounded rubble with mud. Rubble ranges between 2 - 15 cm.						N								0				
EC19-275	4.8	7.1	SCH-i		Medium sea-green. Planar to slightly wavy foliated. Uncommon orange carbonate stringers. Weakly sericite altered though out interval.	ser	Wk			Local sericite alteration.	N								0				
EC19-275	7.1	10.6	QAS	SCH-tec	Medium sea-green. Contorted and discontinuous quartz bands. Quartz eyes increase in abundance and size towards lower contact with silice. Quartz eyes at the top of contact are 1-2 mm. At bottom of contact they range between 1.5 mm and average around 3 mm. Most of interval is intensely faulted and seems more oxidized. Quartz sweats have hairline fractures and are infilled with carbonate. Uncommon, dispersed euhedral 1-2 mm oxidized Py.	ser	Wk	carb	Wk	Weak sericite and carbonate alteration dispersed throughout interval.	N	EPy	0.2					Dispersed, 0.2% oxidized, euhedral, 1-2 mm, pyrite.	1				

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-275	10.6	29.15	MDYK		Black with a slight grey hue. Black phenocrysts, 0.5-2 mm, dispersed, stubby hexagonal, as well as square mafics possibly augite and magnetite. Spotted, dispersed, 0.5-2 mm white plagi spots with chlorite surrounding the plagi. Common orange hairline fractures infilled with limonite and carbonate. Dispersed hair thin white carbonate stringers throughout interval. Mafic phenocrysts decreases in abundance and size at the top 120 cm and bottom 60 cm of the interval. Bottom 20 cm is a light grey aphanitic chilled margin.	carb	Wk			Carbonate replacing augite throughout interval. Dispersed, hair thin fractures infilled with limonite and carbonate. Carbonate breccia from 24.75 m to 24.95 m.	N													
EC19-275	29.15	41.88	QAS	SCH-tec	Medium sea-green. Contorted and discontinuous quartz bands. Quartz eyes increase in abundance and size at the top contact with dike. Quartz eyes at the top of contact are 1-3 mm. At bottom of contact they range between 1-2 mm. Quartz sweat has hairline fractures and are infilled with carbonate. Galena occurs in a quartz sweat at 31.90 m. Uncommon, dispersed euhedral 1-2 mm fresh Py. Local sericite alteration in the entire interval. Irregular, globular, medium grey, chilled margins part of dike occur at 38.45-39.42 m. Chilled margins have a medium grey matrix with 15% mafics. Mafics are acicular 0.5 x 2 mm. Purple alteration halo ~1 mm thick encircles the chilled margin.	ser	Wk	carb	Wk	Quartz sweat has hairline fractures and are infilled with carbonate. Local sericite alteration in the entire interval.	N	EPy	0.2	Gn	0.1				Euhedral, galena, 3 x 5 mm occurs in a quartz sweat at 31.90 m. Uncommon, dispersed euhedral 1-2 mm fresh Py.	5				
EC19-275	41.88	42.17	QV		Massive milk white quartz with abundant hairline fractures infilled with light orange carbonate and uncommonly chlorite. Rare, fresh euhedral pyrite (1 x 2 mm).	carb	Mod	lim	Mod	Abundant hairline fractures infilled with light orange carbonate	N	EPy	0.2					Rare, fresh euhedral pyrite (1 x 2 mm).						
EC19-275	42.17	43.48	QAS		Medium sea-green. Contorted and discontinuous quartz bands. Quartz eyes at the top of contact are 1-3 mm. At bottom of contact they range between 1-2 mm. Quartz sweat has hairline fractures and are infilled with carbonate. Uncommon, dispersed euhedral 1-2 mm fresh Py.						N	EPy	0.2					Euhedral fresh Py 2 x 1 mm.	5					
EC19-275	43.48	55.25	SCH-i	SCH-tec	Medium sea-green with contorted discontinuous quartz bands. Quartz sweat are commonly dispersed throughout the interval. Common carbonate stringers infilled with limonite. Fresh euhedral pyrite, 0.3%, is dispersed throughout the interval.						N	EPy	0.2						5					
EC19-275	55.25	55.46	QV		Massive milk white quartz vein. Contacts are irregular and sharp. Contains patchy (5 x 2 mm) sphalerite and euhedral galena 1 x 1 mm. Common hairline fractures infilled with limonite and carbonate.	lim	Wk	carb	Wk	Common hairline fractures infilled with limonite and carbonate. Limonite and carbonate also line vein margins.	N	Sp	0.2	Gn	0.2	Sp	0.2	Contains patchy (5 x 2 mm) sphalerite and euhedral galena 1 x 1 mm.						
EC19-275	55.46	67.17	SCH-i	SCH-tec	Medium sea-green with contorted discontinuous quartz bands. Quartz sweat are commonly dispersed throughout the interval. Common carbonate stringers, may be infilled with limonite. Local strong sericite alteration. Fresh euhedral pyrite, 0.3%, is dispersed throughout the interval.	ser	Str	carb	Wk	Local strong sericite alteration. Common carbonate stringers.	N	EPy	0.5					Fresh euhedral pyrite, 0.3%, is dispersed throughout the interval.	5					
EC19-275	67.17	68.2	SCH-m		Black with a green hue, predominately chlorite with very little quartz bands. Cryptic planar foliation. Dispersed, 1% fresh euhedral pyrite (up to 5 x 3 mm).						N	EPy	1					Dispersed, 1% fresh euhedral pyrite (up to 5 x 3 mm).	1					
EC19-275	68.2	72.96	SCH-i	SCH-tec	Medium to dark sea-green with local contorted discontinuous quartz bands. When not tectonized, foliation is planar to slightly wavy. Local strong sericite alteration. Fresh euhedral pyrite (up to 6 x 4 mm), 0.5%, is dispersed throughout the interval. Quartz sweat are commonly dispersed throughout the interval.	ser	Str			Local strong sericite alteration.	N	EPy	0.5					Fresh euhedral pyrite (up to 6 x 4 mm), 0.5%, is dispersed throughout the interval.	5					
EC19-275	72.96	73.27	QV		31 cm wide milk white massive quartz vein. Orange carbonate patches (0.5 x 1 cm). Hairline fractures and vugs (0.5 x 0.5 cm) infilled with limonite and carbonate. Stringers of chlorite also included in quartz vein near margins of vein.	lim	Wk	carb	Wk	Orange carbonate patches (0.5 x 1 cm). Hairline fractures and vugs (0.5 x 0.5 cm) infilled with limonite and carbonate.	N													
EC19-275	73.27	74.68	SCH-i	SCH-tec	Medium to dark sea-green with local contorted discontinuous quartz bands. When not tectonized, foliation is planar to slightly wavy. Local strong sericite alteration. Fresh euhedral pyrite (up to 6 x 4 mm), 0.5%, is dispersed throughout the interval. Quartz sweat are commonly dispersed throughout the interval.	ser	Str			Local strong sericite alteration.	N	EPy	0.5					Fresh euhedral pyrite (up to 6 x 4 mm), 0.5%, is dispersed throughout the interval.	5					
EC19-275	74.68	84.15	QAS		Medium to dark sea-green with local tectonized contorted discontinuous quartz bands. Most of interval has planar to slightly wavy foliation. Common, dispersed blue quartz eyes (1 x 2 mm). Local strong sericite alteration. Fresh euhedral pyrite (up to 2 x 2 mm), 0.2%, is dispersed throughout the interval. Common quartz sweat is dispersed throughout the interval.	ser	Str			Local strong sericite alteration.	N	EPy	0.2					Fresh euhedral pyrite (up to 2 x 2 mm), 0.2%, is dispersed throughout the interval	15					
EC19-275	84.15	120.4	SCH-i		Medium to dark sea-green with local contorted discontinuous quartz bands. When not tectonized, foliation is planar to slightly wavy. Pervasive strong sericite alteration. Fresh euhedral pyrite (up to 5 x 5 mm), 0.4%, is dispersed throughout the interval. Quartz sweat are commonly dispersed throughout the interval. Pervasive hairline fractures infilled with chlorite between 98 m and 99.2 m. Uncommonly, fractures are infilled with carbonate chlorite and carbonate. Locally oxidation intervals at 99.40 to 100 m and 108.20 to 11.25.	ser	Str	carb	Wk	Local strong sericite alteration. Weak carbonate pervasive alteration.	N	EPy	0.2					Fresh euhedral pyrite.	15					
EC19-276	4.57	4.9	SCH-i		ovb included; med grey; strong patchy sericite alteration; weak patchy carb alteration in rock matrix; 0.5% rusted epy 1-3mm; bubbled zone	ser	Str	carb	Wk	both patchy	N	EPy	0.5					0.5% rusted epy 1-3mm						
EC19-276	4.9	5.7	QV Zone		milky white QV zone; abundant wall rock alteration toward upper contact; bubbled upper and lower contacts; vuggy texture and open space; limonite staining on fracture surfaces; abundant rusted py on lower contact; 1% overall epy, strongly rusted	lim	Mod			moderate; confined to fracture surfaces	N	EPy	1					1% strongly rusted epy, concentrated on vein margins						
EC19-276	5.7	21.2	SCH-i		med grey; strong patchy sericite alteration; local spotted chlorite texture; locally crenulated; patchy foliation, fabric irregular at some intervals; foliation locally parallel to core axis, likely fold nose; occasional xcut carb veinlets; weak patchy carb alteration in rock matrix; sparsely distributed local blue quartz eyes 1-3mm (traces); local weak SCH-tec texture throughout interval; trace hematite; fault observed in interval outlined in fault table; increasing oxidation at end of interval (19-21m); 0.5% py, some fresh some rusted, some multigenerational, 1-3mm;	ser	Str	carb	Wk	both patchy	N	EPy	0.5					0.5% py, some fresh some rusted, some multigenerational, 1-3mm;	1					
EC19-276	21.2	35.55	QAS		med to dark grey; local weak SCH-tec texture with ductily deformed silica surrounded by dark matrix (24.5-25m); blue qtz eyes 1-3mm and occasional white qtz eyes; qtz eyes somewhat sparsely distributed; overall weak to moderate foliation in unit; unit does not appear to differ compositionally from surrounding units; strong limonite alteration on fracture surfaces; trace rusted epy 1-2mm; 1-2mm cross cutting carb veinlets; moderate patchy carb alteration in rock matrix; moderate patchy sericite alteration	ser	Mod	carb	Mod	moderate patchy sericite alteration; moderate pervasive carb alteration	N	EPy						trace rusted						
EC19-276	35.55	39.2	SCH-i		same as above SCH-i unit; med grey; strong patchy sericite alteration; occasional xcut carb veinlets; local weak SCH-tec texture; fault observed at end of interval outlined in fault table; increasing oxidation within fault, particularly on fracture surfaces; 1% epy, some fresh and multigenerational, some rusted, 1-3mm; strong pervasive carb alteration in rock matrix; strong pervasive sericite alteration	ser	Str	carb	Str	both pervasive	N	EPy	1					1% epy, some fresh and multigenerational, some rusted, 1-3mm						
EC19-276	39.2	39.6	QAS		dark grey; strongly foliated; faulted upper contact; abundant bqe's 1-4mm; does not appear to differ compositionally from surrounding units; strong pervasive sericite alteration; 0.5% epy, some fresh multigenerational and some rusted, 1-2mm; strong pervasive carb alteration; strong FeO on fracture surfaces	ser	Str	carb	Str	both pervasive	N	EPy	0.5					0.5% epy, some fresh multigenerational and some rusted, 1-2mm;						
EC19-276	39.6	42.7	SCH-i		med grey; strongly foliated at top of interval, foliations become increasingly irregular and tectonized downhole; foliations parallel to core axis at 41.5m, likely fold hinge; high abundance of foliaform qtz (5%); strong pervasive sericite alteration; moderate pervasive carb alteration; limonite staining on fracture surfaces; more strongly oxidized toward upper contact and decreasing oxidation downhole; trace vfg rusted epy 1mm;	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration	N	EPy						trace rusted epy 1mm	5					
EC19-276	42.7	49.9	QAS		med green grey; interval is strongly foliated; interval exhibits patchy minor faulting; 50/50 white and blue qtz eyes 1-4mm; does not appear to differ compositionally from surrounding units; moderate pervasive sericite alteration; 1% rusted epy, 1-2mm; strong FeO on fracture surfaces; carb veinlets infilling fractures; weak patchy carb alteration in rock matrix;	ser	Mod	carb	Wk	moderate pervasive sericite; weak patchy carb with carb veinlets infilling fractures	N	EPy	1					rusted epy 1%	10					
EC19-276	49.9	55.3	SCH-i		med green grey; moderately oxidized at top of interval; carbonate vein brecciates unit at 52.5-52.9m; strong pervasive sericite alteration; 1mm xcut carb veinlets; very strong oxidation on fracture surfaces; 5% fresh and rusted epy 1-4mm; moderate patchy carb alteration;	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration	N	EPy	5					5% fresh and rusted epy 1-4mm; moderate patchy carb alteration;	5					
EC19-276	55.3	55.7	QV Zone		broken and irregular upper contact; possible qtz sweat cross cutting each other; white quartz with wall rock inclusions; minor boxwork py; minor open space 5mm containing recrystallization; limonite staining on fracture surfaces; trace carb infilling fractures;	lim	Mod			confined to fracture surfaces	N													
EC19-276	55.7	56.6	SCH-i		med green grey; same as above SCH-i unit above; strong pervasive sericite alteration; 1mm xcut carb veinlets; 1% rusted epy 1-4mm; moderate patchy carb alteration; minor square white feldspar porphyries 1-5mm;	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration	N	EPy	1					1% rusted epy 1-4mm						
EC19-276	56.6	59.3	QAS		med to dark grey; stretched chlorite generates weak SCH-tig texture near top of interval; 5% fresh multigenerational pyrite; QV in this interval introduces bleaching and alteration enveloping vein; abundant BQEs 1-3mm; strong pervasive sericite alteration; locally crenulated; moderate pervasive carb alteration;	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate pervasive carb alteration	N	EPy	5					5% fresh multigenerational py						
EC19-276	59.3	68.2	SCH-i		med to dark grey; very high proportion of foliaform silica from 67 to 70m, possibly caused by fold nose; abundant (5%) fresh multigenerational py 1-2mm; pyrite follows foliation; 1mm cross cutting carb veinlets; strongly foliated; competent core throughout interval; moderate patchy oxidation; strong pervasive sericite alteration; moderate patchy carb alteration;	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration;	N	EPy	5					abundant (5%) fresh multigenerational py 1-2mm; pyrite follows foliation;	10					
EC19-276	68.2	82	QAS		med to dark grey; possibly mafic; abundant foliaform qtz at top of interval; abundant blue quartz eyes throughout interval with few white quartz eyes; local weak SCH-tec texture from 70-70.5m where foliaform qtz has been truncated; 1mm carb veinlets infilling fractures; weak patchy carb alteration; moderate pervasive sericite alteration; 2% fresh epy 1-3mm; patchy fuchsite throughout interval; locally crenulated;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration	N	EPy	2					2% fresh epy 1-3mm						
EC19-276	82	92	SCH-i		med to dark grey; abundant (5%) fresh multigenerational py 1-2mm; pyrite follows foliation; 1mm cross cutting carb veinlets; patchy foliation; competent core throughout interval; moderate pervasive sericite alteration; weak patchy carb alteration;	ser	Mod	carb	Wk	moderate pervasive sericite; patchy carb alteration	N	EPy	5					abundant (5%) fresh multigenerational py 1-2mm;	5					
EC19-276	92	98.3	QAS		med to dark grey; possibly mafic abundant blue quartz eyes throughout interval with few white quartz eyes; 1mm carb veinlets infilling fractures; weak patchy carb alteration; moderate pervasive sericite alteration; 0.5% fresh epy 1-3mm;	ser	Mod	carb	Wk	moderate pervasive sericite; weak patchy carb alteration	N	EPy	0.5					0.5% fresh epy 1-3mm;	5					
EC19-276	98.3	104.1	SCH-i		med to dark grey; patchy foliation; foliation occasionally parallel to core axis, likely fold nose; top of interval is faulted, outlined in fault table; remaining portion of interval is competent core; trace fresh epy <1mm; moderate pervasive sericite alteration; moderate patchy carb alteration; occasional BQEs 1-3mm but not abundant enough to be called QAS (likely diffuse boundary); 1mm cross cutting carb veinlets infilling fractures	ser	Mod	carb	Mod	moderate pervasive sericite alteration; moderate patchy carb alteration	N	EPy						trace fresh epy <1mm	1					
EC19-276	104.1	112.7	QAS		med to dark grey; tr rusted epy 1-2mm; 1-3mm cross cutting carb veinlets infilling fractures; patchy foliation likely caused by slip surfaces and folding in interval; locally crenulated, occasionally parallel to core axis; patchy faulting throughout interval; strong pervasive sericite alteration; weak patchy carb alteration; BQEs relatively sparse compared to earlier QAS units; little to no compositional difference from surrounding units	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy						trace rusted epy 1-2mm						
EC19-276	112.7	120.4	SCH-i		med to dark grey; patchy foliation; foliation occasionally parallel to core axis; top of interval is faulted, outlined in fault table; 1% rusted epy 1-3mm; strong pervasive sericite alteration; moderate patchy carb alteration; occasional BQEs 1-3mm but not abundant enough to be called QAS (likely diffuse boundary); 1mm cross cutting carb veinlets infilling fractures	ser	Str	carb	Mod	strong pervasive sericite alteration; moderate patchy carb alteration	N	EPy	1					1% rusted epy 1-3mm						
EC19-277	0	1.52	OVB								N													
EC19-277	1.52	30	SCH-i	SCH-tec	Light greenish grey, sheared and tectonized, strongly pervasively sericitized SCH-i. No evident fabric. Local crosscutting light orange limonite stained carbonate stringers noted throughout. Weak limonite and manganese oxide staining along fractures. Foliaform quartz is sheared and locally pulled into 1-2 cm pieces within a sericitized matrix. 0.5% euhedral, oxidized pyrite with fresh cores throughout up to 3 mm in size. Slightly bleached and silicified looking section from 20.8 to 22 m preceding a large, rubby and gougey to locally brecciated fault zone from 22 m to 26.3 with 0.4 m of core loss.	ser	Str	carb	Wk	Weak carbonate as local xcutting limonite stained wispy stringers. Strong pervasive sericite alteration. Weak limonite and trace manganese oxide staining on fracture surfaces.	N	EPy	0.5					Euhedral, partially oxidized pyrite with fresh cores up to 3 mm throughout.	5					
EC19-277	30	32.8	SCH-i	SCH-tig	Similar in composition and appearance to SCH-i above; however, chlorite is wispy and locally crenulated with a "tiger" texture within dark grey quartz. Unit is locally moderately pervasively sericitized with trace rusty orange limonite +/- carbonate along fracture surfaces and wispy stringers. Trace euhedral partially oxidized pyrite.	ser	Mod	lim	Wk	Moderate pervasive sericite alteration. Trace to weak limonite staining along fracture surfaces and wispy carbonate stringers.	N	EPy	0.1					Trace partially oxidized euhedral pyrite throughout.	2					
EC19-277	32.8	42	SCH-i	SCH-tec	Light greenish grey, sheared and tectonized SCH-i similar in appearance and composition to the unit above from 1.52 to 30 m. Pervasive sericite alteration is weaker than above. Foliaform quartz is slightly less sheared and "pulled" than above and generally contains fractures and patches of carbonate and/or limonite with trace euhedral, partially oxidized pyrite. The unit contains 0.5% euhedral fresh to partially oxidized pyrite up to 1 mm in size.	ser	Wk	lim	Wk	Trace limonite staining along fracture surfaces and within wispy carbonate stringers.	N	EPy	0.5					0.5% euhedral fresh to partially oxidized pyrite up to 1 mm in size.	10					
EC19-277	42	43.7	SCH-i	SCH-tig	Similar in texture, composition and appearance to the unit from 30 to 32.8 m with wispy dark green chlorite in a "tiger" texture with a weak foliation fabric. Pervasive sericite alteration is weaker than above units with trace limonite along fracture surfaces.	ser	Wk	lim	Tr	Weak pervasive sericite alteration with trace limonite along fracture surfaces.	N	EPy	0.1					Trace partially oxidized euhedral pyrite.	1					

	Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
	EC19-277	43.7	49.3	SCH-i	SCH-tec	Light greenish grey, strongly pervasively sericitized SCH-i similar in composition to above with a strongly sheared and tectonized appearance. Sericite looks iridescent where cut by drill. Weak carbonate as wispy stringers and trace limonite and manganese oxide along fracture surfaces. Slight increase in foliaform quartz. 0.5% partially oxidized to fresh subhedral pyrite.	ser	Str	lim	Tr	Strong pervasive sericite looks iridescent when cut by drill. Trace limonite and dendritic manganese oxide along fracture surfaces. wispy carbonate stringers locally.	N	EPy	0.5						Subhedral to euhedral partially oxidized to fresh pyrite.	5					
	EC19-277	49.3	60.6	SCH-i		Dark greenish grey, moderately foliated to locally crenulated and folded SCH-i similar in composition to above. Weakly to locally moderately pervasively sericitized. Unit becomes more silicified and paler green in appearance (almost SCH-f looking) near 57.4 m.	ser	Wk	lim	Tr	Weak to locally moderate pervasive sericite alteration. Trace limonite along fracture surfaces.	N	EPy	0.5						Euhedral, fresh to partially oxidized pyrite up to 4 mm in size.	5					
	EC19-277	60.6	68.4	SCH-i	SCH-tec	Light greenish grey, sheared looking SCH-i similar to above with stretched and almost wispy dark green to pale green highly sericitized chlorite in a dark grey quartz groundmass. Sericite is iridescent where cut by drill. Trace euhedral fresh to partially oxidized pyrite.	ser	Str			Very strongly sericitized with an iridescent sheen where sericite cut by drill.	N	EPy	0.1						Euhedral, fresh to partially oxidized pyrite.	2					
	EC19-277	68.4	69.3	SCH-i	SCH-tig	Very similar in appearance to the above SCH-i (tec) unit with wispy, truncated chlorite. Sericite alteration is less intense than above.	ser	Mod			Moderately sericite altered throughout,	N	EPy	1						Increase in fresh, euhedral pyrite cubes up to 4 mm in size.	1					
	EC19-277	69.3	79.55	SCH-i	SCH-tec	Similar in composition and appearance to the SCH-i (tec) from 59.9 to 68.4 m with a sheared, highly tectonized texture. 1% euhedral, fresh pyrite cubes up to 3 mm in size. Strongly pervasively sericite altered.	ser	Str			Strongly pervasively sericite altered.	N	EPy	1						Euhedral, fresh pyrite cubes up to 3 mm in size.	1					
	EC19-277	79.55	80.4	SCH-f	SCH-tec	Small, pale green to mottled grey and green unit with increased quartz content looks more SCH-f in appearance. Local sections of pervasive chlorite, but highly sheared and tectonized in appearance overall with stretched, wispy chlorite. 0.5% euhedral to subhedral partially oxidized to fresh pyrite with local limonite alteration halos.	ser	Wk			Weak pervasive sericite.	N	EPy	0.5						0.5% euhedral to subhedral partially oxidized to fresh pyrite with local limonite alteration halos.	1					
	EC19-277	80.4	130.1	SCH-i	SCH-tec	Similar in composition and appearance to SCH-i (tec) above. Light to dark greenish grey mottled, sheared and tectonized SCH-i with spotty to almost wispy stretched chlorite that almost forms a subparallel TCA fabric locally near fold noses. The unit is highly pervasively sericite altered and groundmass is stained light brown by limonite in local patches. 0.5% euhedral fresh to partially oxidized pyrite.	ser	Str	lim	Wk	Strong to locally moderate pervasive sericite alteration with iridescent sheen where cut by drill. Weak local patchy limonite staining groundmass light brownish orange.	N	EPy	0.5						0.5% euhedral fresh to partially oxidized pyrite.	10					
	EC19-277	130.1	131.55	SCH-f		pale green classic SCH-f. relatively sharp contact with SCH-i. moderate skeletal texture. highly silicified.	sil	Str	ser	Str	trace patchy carbonate.	N	EPy							trace coarse grained pyrite at beginning of interval fades out towards down hole where there is non at the end of interval.	5					
	EC19-277	131.55	135.64	SCH-i	SCH-tec	strong crenulations generally sub parallel t/c. primary fabric difficult to identify due to tectonized appearance. small appearance of near SCH-f from 130m-130.3m. strongly sericitized locally and spotted chlorite locally.	ser	Str	chl	Mod	sericitized from 131.55m-132.6m and 134m-134.8m. spotted chlorite from 133.6m-133.9m and 134.1m-134.3m.	N	APy							trace fine grained anhedral pyrite forms along foliation.	1					
	EC19-278	0	7.62	OVb		Rounded cobbles. Rage in size from 2-6 cm.						N														
	EC19-278	7.62	19.22	SCH-i		Medium green planar to wavy foliated. Light green wispy to planar foliated chlorite. Local, patchy ankerite at the top of the interval and dispersed patchy white carbonate throughout the hole. Pervasively sericite altered throughout entire interval. Quartz sweats are carbonate altered. Top of hole is pervasively oxidized along foliation planes as well as possible biotite alteration. Euhedral oxidized pyrite less than 2 x 2 mm. Core loss of 1 m from 7.5 to 11 m.	ser	Str	oxi	Mod	Local, patchy ankerite at the top of the interval and dispersed patchy white carbonate throughout the hole. Pervasively sericite altered throughout entire interval. Quartz sweats are carbonate altered. Top of hole is pervasively oxidized along foliation planes.	N	EPy	0.2						Oxidized euhedral pyrite dispersed throughout interval.	10					
	EC19-278	19.22	60.8	QAS		Dark green with a brownish hue. Planar to slightly wavy foliation, some local tectonized texture. Common blue quartz eyes ranging from 0.5 up to 5 mm. Quartz eyes are locally very abundant, but where can also be dispersed and uncommon. Local, possible biotite alteration from 19.22 to 23.70, and 31 to 41 m, follows foliation, soft to scratch and forms brown bands. Pervasive sericite alteration throughout the interval. Local carbonate stinger fractures. Local, euhedral oxidized pyrite less than 2 x 2 mm. Quartz sweats contain cream patches of carbonate.	ser	Str	bio	Str	Local, possible biotite alteration from 19.22 to 23.70, and 31 to 41 m, follows foliation, soft to scratch and forms brown bands. Pervasive sericite alteration throughout the interval. Local carbonate stinger fractures.	N	EPy	0.4						Local, euhedral oxidized pyrite less than 2 x 2 mm.	15					
	EC19-278	60.8	74.25	SCH-i	SCH-tec	Dark green with a brown hue. Mostly contorted and discontinuous foliation and abundant quartz sweats. Pervasive sericite alteration throughout the interval. Local carbonate stinger fractures. Patchy carbonate alteration from 71.63 to 74.25 m. Dendritic andalusite (up to 2x2 mm) along fracture slip surfaces. Local, euhedral oxidized pyrite less than 2 x 2 mm. Quartz sweats contain cream patches of carbonate.	ser	Str	carb	Mod	Pervasive sericite alteration throughout the interval. Local carbonate stinger fractures. Patchy carbonate alteration from 71.63 to 74.25 m.	N	EPy	0.2						Local, euhedral oxidized pyrite less than 2 x 2 mm.	15					
	EC19-278	74.25	83.35	SCH-i		Medium green, planar to crenulated foliation. Euhedral oxidized and fresh pyrite less than 2 x 2 mm. Local tectonized textures, but <1 m thick. m). Patchy carbonate (2x2 mm) alteration at 75.2- 77.68 m. Local, milk white carbonate stringers. Pervasive sericite alteration. Local dendritic pyrolyusite on slip surfaces.	ser	Str	carb	Mod	Patchy carbonate (2x2 mm) alteration at 75.2- 77.68 m. Local, milk white carbonate stringers. Pervasive sericite alteration.	N	EPy	0.2						Local, euhedral oxidized pyrite less than 2 x 2 mm.	15					
	EC19-278	83.35	91.8	QAS		Medium green with a local brownish hue bands. Planar to slightly wavy foliation, Common blue quartz eyes ranging up to 5 x 5 mm. Local biotite alteration at top 1 m of interval and from 85 to 86.5 m. Pervasive, strong sericite alteration throughout the interval. Local carbonate stinger fractures and patches. Local carbonate fractures with vugs 5 x 5 mm. Local, euhedral oxidized and fresh pyrite less than 4 x 4 mm. Bottom contact of QAS interval is cryptic. Placed where there was an absence of blue quartz eyes. Contact could be lower, due to intense sericite alteration and quartz sweats.	ser	Str	carb	Mod	Local biotite alteration at top 1 m of interval. Pervasive sericite alteration throughout the interval. Local carbonate stinger fractures and patches. Local carbonate fractures with vugs 0.5 x 0.5 cm.	N	EPy	0.2						Local, euhedral oxidized pyrite less than 2 x 2 mm.	5					
	EC19-278	91.8	99.2	SCH-i		Medium green. Planar to slightly wavy foliation. Locally crenulated. Euhedral mostly fresh pyrite and some oxidized pyrite less than 4 x 4 mm. Patchy carbonate (less than 2x2 mm) alteration. Local, milk white carbonate stringers. Strong, pervasive sericite alteration. Pervasive, moderate, biotite alteration form 94.50 to 99.2 m.	ser	Str	bio	Mod	Strong, pervasive sericite alteration. Pervasive, moderate, biotite alteration form 94.50 to 99.2 m. Patchy carbonate (less than 2x2 mm) alteration.	N	EPy	0.5						Euhedral mostly fresh pyrite and some oxidized pyrite less than 4 x 4 mm.	20					
	EC19-278	99.2	100.58	QAS		Medium green with a local brownish hue bands. Planar to slightly wavy foliation, Common blue quartz eyes ranging up to 3 x 3 mm. Pervasive biotite alteration. Pervasive, strong sericite alteration throughout the interval. Local carbonate stinger fractures. Local, euhedral oxidized less than 2 x 2 mm. Bottom contact of QAS interval is cryptic. Placed where there was an absence of blue quartz eyes. Contact could be lower, due to intense sericite alteration and quartz sweats.	ser	Str	bio	Str	Pervasive biotite alteration. Pervasive, strong sericite alteration throughout the interval. Local carbonate stinger fractures.	N	EPy	0.2						Local, euhedral oxidized less than 2 x 2 mm.	30					
	EC19-278	100.58	104.9	SCH-i		Medium green. Planar to slightly wavy foliation. Patchy carbonate (less than 2x2 mm) alteration. Local, milk white carbonate stringers. Strong, pervasive sericite alteration. Euhedral mostly fresh pyrite and some oxidized pyrite less than 4 x 4 mm. Uncommon subhedral pyrite (up to 4 x 4 mm). Rare, euhedral galena (2x2 mm) in a quartz sweat at 102.86 m. Local chlorite alteration around quartz sweat margins.	ser	Str	carb	Wk	Patchy carbonate (less than 2x2 mm) alteration. Local, milk white carbonate stringers. Strong, pervasive sericite alteration.	N	EPy	0.4	APy	0.1	Gn	0.1	Euhedral mostly fresh pyrite and some oxidized pyrite less than 4 x 4 mm. Uncommon subhedral pyrite (up to 4 x 4 mm). Rare, euhedral galena (2x2 mm) in a quartz sweat at 102.86 m.	30						
	EC19-278	104.9	106.68	QAS		Medium green with. Common blue quartz eyes ranging up to 4 x 5 mm. Pervasive, strong sericite alteration throughout the interval. Local carbonate stinger fractures. Local, euhedral oxidized pyrite less than 2 x 2 mm. Top contact of QAS interval is cryptic, placed where there was an absence of blue quartz eyes. Contact could be higher, due to intense sericite alteration and quartz sweats covering majority of core near the core. med grey, strongly foliated; strong patchy faulting in interval with high levels of core loss; faults outlined in fault table; moderate pervasive sericite alteration but increases downhole; weak pervasive carbonate alteration; 0.5% rusted epy 1-2mm with occasional 4mm epy grains with rusted rims and fresh centres; foliaform qtz content increases downhole; interval appears to become more mafic downhole; very occasional blue qtz eyes; occasional rectangular feldspar grains 3-7mm; patchy skeletal texture caused by sericite alteration; weak SCH-tec texture from 30.5m to 33.6m where foliation is obscured but fabric does not appear strongly tectonized; increasing abundance of white qtz eyes toward bottom of interval; bottom of interval strongly faulted with abundant core loss (detailed in fault table).	ser	Str	carb	Tr	Pervasive, strong sericite alteration throughout the the interval. Local carbonate along quartz sweat margins.	N	EPy	0.2							30					
	EC19-279	5.15	41.4	SCH-i		med grey, strongly foliated; strong patchy faulting in interval with high levels of core loss; faults outlined in fault table; moderate pervasive sericite alteration but increases downhole; weak pervasive carbonate alteration; 0.5% rusted epy 1-2mm with occasional 4mm epy grains with rusted rims and fresh centres; foliaform qtz content increases downhole; interval appears to become more mafic downhole; very occasional blue qtz eyes; occasional rectangular feldspar grains 3-7mm; patchy skeletal texture caused by sericite alteration; weak SCH-tec texture from 30.5m to 33.6m where foliation is obscured but fabric does not appear strongly tectonized; increasing abundance of white qtz eyes toward bottom of interval; bottom of interval strongly faulted with abundant core loss (detailed in fault table).	ser	Mod	carb	Wk	both pervasive	N	EPy	0.5						0.5% rusted epy 1-2mm with occasional 4mm epy grains with rusted rims and fresh centres	5					
	EC19-279	41.4	53.4	QAS		med grey, strong patchy oxidation throughout interval, possibly caused by faulting; patchy faulting throughout interval outlined in fault table; interval is strongly foliated; abundant blue qtz eyes 1-3mm with more occasional white qtz eyes; moderate pervasive sericite alteration; weak patchy carb alteration; trace rusted epy up to 4mm;	ser	Mod	carb	Wk	moderate pervasive sericite; weak patchy carb	N	EPy							trace rusted epy up to 4mm;	1					
	EC19-279	53.4	60.95	SCH-i		dominantly faulted zone with occasional competent core; foliation at top of interval appears sub-parallel to core axis and increases angle to core axis in the middle, and becomes sub-parallel again toward the end; qtz sweats near bottom of interval appear to alter foliation patterns locally; local weak spotted chlorite and very weak SCH-tig texture with bleaching and local 10% rusted epy at 54.8-55.0m - possible indicator of increased fluid flow along adjacent fault; moderate pervasive sericite alteration; weak patchy carb alteration; 0.5% rusted epy 1-4mm;	ser	Mod	carb	Wk	moderate pervasive sericite; weak patchy carb	N	EPy	0.5						0.5% rusted epy 1-4mm;	1					
	EC19-280	0.7	1.15	OVb		Dirt and clay rich with minor rubble.						N														
	EC19-280	1.15	6.85	SCH-i		Light to medium grey with a ribbed texture of light grey quartz rich layers and darker grey micaceous rich / mafics layer forming a banded / ribbed texture - almost compositional banding. Grading at the lower contact to a SCH-m or a possible darker SCH-i as well as the loss of the banding / compositional layering. Faulted at upper contact up to 2.25 m. With limonite coming in along fault predominantly as well as local patchy section and along fracture surfaces. Local epidote alteration that occurs in patchy blobs throughout interval as well as coming in cross cutting stringers. Well foliated throughout interval.	lim	Wk	ser	Tr	Limonite locally pervasive at upper contact in fault, then weak patchy along fracture surfaces. sericite - trace patchy.	N	EPy	0.1	Ep	5				Pyrite - euhedral, fine to medium grained, fresh, disseminated - VERY TRACE!	2					
	EC19-280	6.85	14.4	SCH-m	SCH-ye	Medium grey grading into dark grey as we go down interval. Weak local SCH-ye over print. Possible dark SCH-i and some unit as above but there is the darkening of colour as well as the loss of the compositional banding as seen in the previous SCH-i. Well foliated and more massive in nature in comparison to SCH-i above. Locally the foliation is sub parallel t/c. - 13.9 - 14.4 m. Locally crenulated - 45 degrees t/c. Patchy moderate epidote alteration as seen in previous interval - occurring as patchy blebs as well as cross cutting stringers. Locally pervasive limonite staining coming in along a fracture staining surrounding area. 1 light blue, large (3 mm wide), circular quartz eye at 10.80 m.	lim	Wk	ser	Tr	Limonite - locally pervasive coming in along fracture surfaces and pervasively staining that area as well as patchy. Sericite - weak patchy SCH-ye overprint but a bit stronger than previous interval.	N	EPy	0.1	Ep	5				Pyrite - euhedral, medium grained, fresh, disseminated.	5					
	EC19-280	14.4	19.35	SCH-i		Light to medium grey to rusty orange brown. Possible SCH-m that has been bleached due to large cross cutting quartz sweats. This interval is lighter in colour then above SCH-m but texture is obscured due pervasive limonite staining. At lower contact there is a slip surface with 7 cm of clay rich ground mass with SCH-i fragments - contact - 30 degrees t/c. This is a sharp contact with below SCH-i. Most of the interval is pervasively stained with limonite coming in along large fractures. Interval is well foliated with foliation locally pulled sub parallel at - 17.65 to 19.35 m. Patchy weak epidote alteration - could be stronger in intensity but obscured by limonite. Patchy trace SCH-ye overprint.	lim	Str	ser	Tr	Limonite locally pervasive coming in along fracture surfaces. Sericite - patchy weak overprint.	N	EPy	0.1	Ep	1				Pyrite - euhedral, medium grained, partially to completely oxidized, disseminated. Epidote - patchy blobs.	0.5					
	EC19-280	19.35	38.85	SCH-f	SCH-ye	Light to medium green with local section of medium grey; Unit could possibly be a bleached out SCH-i but in this unit we see abundant milky white foliaform quartz lenses more than in a typical SCH-i. Gradational contact where the unit changes from light green to medium grey at approximately - 33.50 m. Well foliated to locally crenulated - 33 degrees t/c. Foliation is locally pulled sub parallel - 32.20 to 32.45 m and 37.50 to 38.65 m. Local patchy limonite as well as pitting. Local epidote alteration predominantly found in the light grey areas as well as cross cutting stringers. Patchy weak SCH-ye overprint with coarse grained silvery sericite. Local pytmatically folded quartz lenses. 1 large pyrite crystal - 8 mm wide, fresh, euhedral, multi-generational.	lim	Wk	ser	Wk	Limonite locally patchy as well as pitting. Sericite patchy weak.	N	EPy	0.1	EPy	0.5				Pyrite - euhedral to subhedral, fine to medium grained, locally clustered together, fresh to partially oxidized around the rim.	20					
	EC19-280	38.85	39.65	QV Zone		Large interconnected quartz sweat; milky white with limonite coming in along fractures; SCH-f wall rock inclusions - up to 14 cm wide.	lim	Wk				N														
	EC19-280	39.65	40.85	SCH-f		Little unit of SCH-f in between a large quartz sweat (upper contact) and a large vein at lower contact. Medium green to rusty orange. Strong fracturing with limonite staining coming in along fractures. Small rubble zone near end of interval - 40.45 to 40.70 m with 0.25 m of core loss over this interval. Well foliated.	lim	Mod			Limonite - coming in along fracture surfaces	N	EPy	0.1						Pyrite - fine to medium grained, partially oxidized, disseminated, euhedral.	25					
	EC19-280	40.85	41.2	QV		Large QV; milky white; limonite and MnO coming in along fracture surfaces; Trace - euhedral, partially oxidized pyrite.	lim	Wk	mno	Tr	Limonite - coming in along fracture surfaces as well as MnO.	N	EPy	0.1						Pyrite - medium grained, partially oxidized, euhedral.						
	EC19-280	41.2	41.85	SCH-f		Medium green SCH-f in between large quartz vein at upper contact and large quartz sweat at lower contact. SCH-f has white quartz eyes / porphyroblasts ranging the whole unit - up to 10%. White quartz eyes range in size from 1-3 mm some are circular in shape while others are more lath shaped - probably feldspars. Very fine grained and massive. MnO and limonite coming in along fracture surfaces. Cross cutting carbonate	lim	Tr	mno	Tr	Limonite and MnO coming in along fracture surfaces; Carbonate - local cross cutting stringers.	N	EPy	0.1						Pyrite - fine grained, partially to completely oxidized, euhedral, disseminated.	10					
	EC19-280	41.85	42.22	QV Zone		Large quartz sweat; milky white; limonite coming in along fracture surfaces - weakly as well as MnO. SCH-f wall rock inclusions 2-3 cm wide																				

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-280	46.75	47.1	MDYK		Sharp irregular contacts; medium grey green; oval shaped epidote alteration as well as locally pervasive epidote alteration. Strong chlorite alteration coming in along the dykes lower contact. Pervasive carbonate alteration.	carb	Str	chl	Wk	Carbonate - pervasive; chlorite - patchy along lower contact of the dyke.	N	Ep	10											
EC19-280	47.1	47.5	SCH-f		Medium to dark green; White quartz eyes / porphyroblasts throughout this interval ranging in size from 1 - 2 mm in size. Some of the quartz eyes are lath shaped white most of them are circular in shape. Patchy epidote alteration coming in along fracture surfaces. MnO as well as hematite coming in along fracture surfaces.	mno	Wk	hem	Tr	MnO and hematite coming in along fracture surfaces. Carbonate - stringers and patchy local.	N	Ep	3	EPy	0.1			Epidote most at upper contact coming in along fracture surfaces. Pyrite - fine grained, disseminated, euhedral, completely to partially oxidized.	10					
EC19-280	47.5	47.7	QV Zone		Large quartz sweat; milky white; SCH-f wall rock inclusion - 1 cm wide; weak fracturing with MnO coming in. Medium to light green; white quartz eyes / porphyroblasts throughout this interval up to 5%. Quartz eyes are lath shaped (feldspars) and predominantly circular. Sizes range from 1 - 3 mm wide. Common fracturing with limonite infilling. There are several cross cutting quartz veins - up to 13. Cross cutting carbonate stringers - locally. Local vugs with limonite infilling. Unit is moderately foliated but massive and very fine grained. Quartz sweats are milky white and locally clustered together as well as locally isolated. E.O.H.	lim	Wk			Limonite - coming in along fracture surfaces.	N	EPy	0.1						Pyrite - euhedral, fine to medium grained, completely to partially oxidized.					
EC19-280	47.7	74.68	SCH-f		Medium to light green; white quartz eyes / porphyroblasts throughout this interval up to 5%. Quartz eyes are lath shaped (feldspars) and predominantly circular. Sizes range from 1 - 3 mm wide. Common fracturing with limonite infilling. There are several cross cutting quartz veins - up to 13. Cross cutting carbonate stringers - locally. Local vugs with limonite infilling. Unit is moderately foliated but massive and very fine grained. Quartz sweats are milky white and locally clustered together as well as locally isolated. E.O.H.	lim	Wk	carb	Wk	Limonite coming in along fracture surfaces; Carbonate - cross cutting stringers as well as locally patchy.	N	EPy	0.1						Pyrite - euhedral, fine grained, disseminated, completely to partially oxidized.	5				
EC19-281	0	3.05	OVb		Broken angular rubble. Rubble averages from 4-6 cm in length. Lithology is the same as the interval below it. Pervasively oxidized throughout the interval.	oxi	Mod				N													
EC19-281	3.05	13.72	SCH-f		Light sea-green with planar foliation. Very siliceous, but possible could be a bleached SCH-i. Local pitting and vugs (less than 0.5 x 0.5 cm) in quartz sweats. Bleaching around quartz sweats at 7.94 m. Local uncommon epidote patch (1 x 1.5 cm).	oxi	Mod			Local oxidation around quartz sweats.	N	EPy	0.2					0.4 x 0.4 cm euhedral oxidized pyrite.	10					
EC19-281	13.72	21.72	SCH-i		Dark sea-green. Planar to wavy foliated white quartz bands. Local epidote patches (0.5 x 0.5 cm). Euhedral fresh pyrite (0.2 x 0.2 cm). Local, rare, blue quartz eyes at 20 to 20.10 m. Was not logged as QAS, because quartz eyes aren't wide spread throughout interval. Local pyrolusite along fracture planes. Vugs and pits occur in quartz sweats. Local, carbonate along foliation and around quartz sweats. Local sericite alteration.	ser	Mod	carb	Wk	local moderate sericite and carbonate alteration	N	Ep	0.5	EPy	0.2			Local epidote patches (0.5 x 0.5 cm). Local euhedral fresh and oxidized pyrite (up to 1 x 0.5 cm).	20					
EC19-281	21.72	24.24	SCH-i	SCH-tec	Dark sea-green with wavy to contorted foliated white quartz bands. Dispersed epidote patches (0.5 x 0.5 cm). Euhedral fresh pyrite (0.2 x 0.2 cm). Local pyrolusite along fracture planes. Vugs and pits occur in quartz sweats. Dispersed carbonate along foliation and around quartz sweats. Local spotty chlorite and local biotite alteration.	carb	Mod	ser	Mod	Dispersed carbonate along foliation. Pervasive sericite alteration throughout interval. Local spotty chlorite in interval.	N	Ep	1	EPy	0.2			Local patches of epidote (up to 0.5 x 0.5 cm). Euhedral fresh pyrite up to (1 x 1 cm).	35					
EC19-281	24.24	32.83	SCH-i		Dark sea-green with planar to wavy foliated white quartz bands. Dispersed epidote patches (up to 1.5 x 8 cm). Euhedral fresh pyrite (0.2 x 0.2 cm). Local carbonate alteration along foliation and around quartz sweats. Local sericite alteration. Local tectonized texture from 27.43 to 28.78.	ser	Mod	carb	Mod	Dispersed carbonate along foliation. Pervasive sericite alteration throughout interval. Local spotty chlorite in interval.	N	Ep	3	EPy	0.2			Local patches of epidote (up to 0.5 x 0.5 cm). Euhedral fresh pyrite up to (1 x 1 cm). Local oxidation interval zone from 25.60 to 25.91 m.	25					
EC19-281	32.83	39.74	SCH-i	SCH-tec	Light sea-green with wavy to contorted foliated and discontinuous white quartz bands. Dispersed epidote in patches (up to 0.5 x 0.5 cm, along fractures and along foliation). Euhedral fresh pyrite (0.2 x 0.2 cm). Vugs and pits occur in quartz sweats. Pervasive sericite alteration. Dispersed carbonate alteration along foliation and around quartz sweats. Local spotty chlorite.	ser	Str	chl	Wk	Pervasive sericite alteration. Dispersed carbonate alteration along foliation and around quartz sweats. Local spotty chlorite.	N	Ep	3	EPy	0.2			Dispersed epidote along fractures and foliation and in patches. Euhedral fresh pyrite up to (1 x 1 cm).	40					
EC19-281	39.74	54.05	SCH-i		Dark sea green. Planar uniformly foliated. Significant decrease in quartz and foliform quartz bands from the previous interval. Pervasive strong sericite alteration. Pervasive epidote patches and stingers throughout interval. Dispersed, euhedral fresh pyrite (up to 1 x 1 cm). Local spotted chlorite (50.29-50.81 m and 53.16 m).	ser	Str	chl	Mod	Pervasive strong sericite alteration. Moderate chlorite alteration in local zones in interval above fault zone.	N	Ep	3	EPy	0.2			Dispersed epidote along fractures and foliation and in patches. Euhedral fresh pyrite up to (1 x 1 cm).	5					
EC19-281	54.05	54.86	SCH-i	SCH-tec	Rusty orange with a medium green hue. Highly faulted interval with 0.2 m of core loss. Interval is strongly oxidized. Competent core is SCH-i with a tectonized texture. Oxidized, euhedral, pyrite up to 0.2 x 0.1 cm dispersed. Fault zone consists of strongly oxidized breccia and competent core. Weak, dispersed, limonite along fractures. See fault table for more details.	oxi	Str	lim	Tr	Pervasive strong oxidation throughout interval. Trace limonite along fractures.	N	EPy	0.2					Dispersed euhedral oxidized pyrite.	5					
EC19-281	54.86	55.25	QV		Possible 39 cm wide quartz vein, could be foliform, difficult to tell due to obliterated texture. Abundant brecciated quartz along margins. Oxidized, euhedral pyrite 0.3 x 0.3 mm dispersed in quartz. Numerous hairline fractures in vein in filled with limonite. Vugs up to 1.5 x 1.5 cm.	oxi	Str	lim	Wk	Pervasive strong oxidation throughout interval. Trace limonite along fractures.	N	EPy	0.4					Dispersed oxidized euhedral pyrite up to 0.4 x 0.4 cm.						
EC19-281	55.25	60.96	SCH-i	SCH-tec	Rusty orange with a medium green hue. Highly faulted and strongly oxidized. Competent core is SCH-i with a tectonized texture. Abundant quartz sweats throughout interval. Quartz sweats are brecciated and vuggy. Oxidized, euhedral, pyrite up to 0.4 x 0.4 cm dispersed along quartz. Fault zone consists of strongly oxidized breccia and competent core. Weak, dispersed, limonite along fractures. See fault table for more details. Felsic brecciated clasts also occur in faulted interval. Possible the lower SCH-f contact could be moved further up.	oxi	Str	lim	Wk	Pervasive strong oxidation through out interval. Weak limonite along fractures.	N	EPy	0.2					Dispersed oxidized euhedral pyrite up to 0.4 x 0.4 cm.	40					
EC19-281	60.96	70.1	SCH-f	SCH-tec	Light sea green with a strong rusty orange hue. Highly faulted interval with 1.5 m of rubble. Strongly oxidized over interval that progressively decreases down hole. Interval is mostly tectonized, locally is uniformly planar foliated. Multiple slip surfaces in interval. Slip surfaces have dendritic pyroclite along surfaces. Local brecciated quartz bands and clasts in a matrix of SCH-f. Dispersed oxidized euhedral pyrite. Lower most 1 m of interval could be SCH-i, faulting and abundant rubble makes contact cryptic.	oxi	Mod	lim	Mod	Pervasive strong oxidation throughout interval. Moderate limonite along fractures.	N	EPy	0.2					Euhedral oxidized pyrite dispersed	30					
EC19-282	0	3.05	OVb		15cm of weathered porphyroblastic SCH-f rubble, rounded and re-drilled. Patchy limonite	lim	Mod			Patchy limonite staining.	N							no significant mineralization visible.						
EC19-282	0										N													
EC19-282	3.05	14.25	SCH-i	SCH-yl	Medium to dark grey SCH-i with a weak patchy SCH-yl overprint locally. At the lower contact we see a lightening in colour to a light / medium grey grading out of the darker grey at 12.05 m. Well foliated throughout interval with compositional banding of light grey quartz rich bands and dark grey mafic bands. Locally well crenulated - 15 degrees tca. Patchy limonite predominantly along fracture surfaces but as well as locally pervasive at upper contact down to approximately 4 m. Patchy moderate epidote alteration over the whole interval - bleby in nature as well as coming in along fracture surfaces. Local fold nose occurring at 3.72 to 3.80 m - foliation forming a small ellipse. Local spotted chlorite texture - trace; small intervals. Milky white quartz sweats are disseminated throughout this unit. Pyrite is disseminated but as we go down interval it decreases in amount.	lim	Wk	chl	Tr	Patchy limonite mostly along fracture surfaces as well as locally pervasive at upper contact. Chlorite - occurring locally as spotted chlorite.	N	EPy	0.1	Ep	5			Pyrite - trace, fine to medium grained, euhedral, fresh, disseminated but we see more in the first half of the unit and lessen as we go down.	5					
EC19-282	14.25	37.3	SCH-f		Medium to light green SCH-f strongly porphyroblastic / white quartz eyes starting at 17.85 m. Porphyroblasts are semi-circular to lath shaped (feldspars). Porphyroblasts / quartz eyes are all white and range in size from 1-3 mm in size. The upper contact is dominant by milky white, pytmatically folded quartz lenses up to 17.85 m where we see the porphyroblasts coming in. Quartz sweats are locally up to 30%. Patchy limonite staining coming in along quartz sweats. Unit is moderately foliated but has a massive texture. Local skeletal texture. MnO coming in along fracture surfaces as well as in local vugs - up to 1 cm wide. Cross cutting carbonate stringers occurring locally throughout this interval. Several cross cutting quartz veins in this section - up to 9.22 cm wide milky white QV; weak fracturing with limonite staining; trace fine grained pyrite - completely oxidized found in a small fracture.	mno	Wk	lim	Tr	Patchy MnO and limonite - coming in along fracute surfaces with limonite occurring mostly at the upper contact.	N	EPy	0.1	Ep	0.1			Pyrite - trace, fine to medium grained, fresh to completely oxidized, disseminated, euhedral. Epidote occurring in quartz sweats.	5					
EC19-282	37.3	37.52	QV		22 cm wide milky white QV; weak fracturing with limonite staining; trace fine grained pyrite - completely oxidized found in a small fracture.	lim	Tr			Limonite - coming in along fracture surfaces	N	EPy	0.1					Pyrite - fine grained, euhedral, completely oxidized.						
EC19-282	37.52	60.7	SCH-f		Medium to dark green with local sections of rusty orange / green and light grey; in this unit we see the lose of the porphyroblastic / quartz eye texture that was in the previous interval. Unit is well foliated but more massive in texture. Milky white quartz sweats are disseminated throughout this interval but in local sections we see the lose of these sweats - 45.30 to 48.35 m, 50.10 - 52.10 m. Cross cutting fractures infilled with limonite occurring locally. MnO coming in along fractures as well - dendritic in nature locally. Local skeletal texture. Trace patchy epidote alteration occurring in blebs. Up to 8 cross cutting quartz veins in this interval. Foliation is locally pulled sub parallel tca at 54.10 - 57.0 m.	lim	Mod	mno	Wk	Limonite locally patchy and locally pervasive at 45.3 to 52.2 m. MnO coming in along fracture surfaces.	N	EPy	0.1	Ep	0.1			Pyrite - fine to medium grained, disseminated, completely oxidized, euhedral.	5					
EC19-282	60.7	61.95	BAS		Basaltic dyke with a sharp upper and lower contacts with no chill margins - a cool dyke. Black with a grey tinge. Large white quartz phenocrysts ranging in size from 3- 8 mm wide. There is black circular, fine grained phenocrysts as well. Phenocrysts are lath shaped to semi circular. Medium grained, euhedral, disseminated pyrite. Very trace carbonate alteration occurring as cross cutting stringers.	carb	Tr			Carbonate - as cross cutting stringers.	N	EPy	0.1					Pyrite - fine to medium grained, euhedral, fresh, disseminated.						
EC19-282	61.95	66.35	SCH-f		Pale to medium green; well foliated throughout interval but a more massive texture. Foliation locally pulled sub parallel tca - 64 - 64.30 m and 66 - 66.20 m. Black MnO coming in along fracture surfaces locally. Skeletal texture throughout. Limonite staining going along foliation - patchy locally. With SCH-f lacks the porphyroblasts / quartz eyes found in the other SCH-f units. Local surcrosic texture infilled with limonite. Unit is bounded by a basaltic dyke above and below unit.	mno	Wk	lim	Mod	MnO - coming in along fractures, locally dendritic; Limonite - along foliation.	N	EPy	0.1					Pyrite - fine grained, partially oxidized, euhedral, disseminated.	3					
EC19-282	66.35	68.1	BAS		Sharp upper and lower contact of basaltic dyke. Black with a grey tinge with large white quartz phenocrysts. Phenocrysts are semi circular to lath shaped ranging in size from 2-7 mm wide. There are black circular phenocrysts as well - ranging in size from 1-2 mm wide. Wispy cross cutting carbonate stringers. Moderate limonite staining coming in along fracture surfaces. Pyrite - medium grained, fresh, euhedral occurring clustered together at the lower contact.	lim	Mod	carb	Tr	Limonite - coming in along fracture surfaces; Carbonate - wispy cross cutting stringers.	N	EPy	0.1					Pyrite - medium grained, fresh, euhedral, clustered at lower contact.						
EC19-282	68.1	82.15	SCH-f		Pale green / grey SCH-f grading between the two colours. Sharp lower contact with SCH-i. Local clusters of milky white foliaform quartz sweats. Patchy epidote alteration coming in along fracture surfaces as well as local blebs in quartz sweats. Skeletal texture throughout interval. MnO coming in along fracture surfaces. Patchy carbonate alteration.	mno	Wk	carb	Tr	MnO - coming in along fracture surfaces; Carbonate - patchy trace.	N	EPy	0.1					Pyrite - medium grained, partially oxidized, euhedral, disseminated.	10					
EC19-282	82.15	92.75	SCH-i		A very dark SCH-i possible a SCH-m; Dark grey to almost black with medium grey. Patchy epidote alteration - blebby locally as well as along fracture surfaces. Unit is well foliated throughout interval. Milky white quartz sweats are foliaform and disseminated throughout interval with common black / dark green chlorite alteration. Local patchy SCH-yl alteration.	carb	Wk	ser	Tr	Carbonate patchy local alteration; Sericite - patchy local.	N	EPy	0.5	Ep	2			Pyrite - fine to medium grained, euhedral, fresh, disseminated.	3					
EC19-282	92.75	93.2	QV Zone		Large quartz sweat; milky white; wall rock inclusions that are millimeter in size to cm in size. Patchy trace carbonate alteration. Irregular boundaries at top and bottom of sweat.	carb	Tr			Carbonate - patchy trace.	N													
EC19-282	93.2	93.25	SCH-f		Small section of SCH-f in between quartz sweat and small cross cutting mafic dyke.						N													
EC19-282	93.25	93.35	BAS		Small 5.5 cm wide cross cutting basaltic dyke. Dark grey green to almost white in the center. Sharp upper and lower contacts with no chill margins. Contacts are - 45 degrees tca - upper and lower 50 degrees tca. Dark green chloritic? semi circular blebs. White and clear quartz phenocrysts - lath shaped.	carb	Wk			Carbonate - pervasive weak alteration.	N	EPy	8					Pyrite - fine to medium grained, euhedral, fresh locally clustered together forming a stringer.		Contact	45	Contact	50	
EC19-282	93.35	100.58	SCH-f		Pale to medium green; well foliated throughout interval but more massive in texture. Skeletal texture throughout interval. Patchy limonite alteration coming in along fracture surfaces - strongly at lower contact. Milky white foliaform quartz sweats are disseminated throughout most of the interval except for at the end of the interval - 99.50 m. After 99.50 m we see surcrosic texture - local pitting. Black MnO coming in along fracture surfaces.	lim	Tr	mno	Tr	Limonite - locally along fracture surfaces, at lower contact stronger; MnO coming in along fracture surfaces.	N	EPy	0.1					Pyrite - fine grained, disseminated, very trace, partially to completely oxidized.	10					
EC19-283	0.65	0.77	OVb		Rounded cobbles rubble. All SCH-i rubble.						N													
EC19-283	0.77	12.68	SCH-i	SCH-tec	Medium-sea green with discontinuous contorted white quartz bands. Pervasive tectonized texture throughout hole. Pervasive irregular patchy epidote (1 x 2 cm). Porphyroblastic quartz or quartz boudins dispersed throughout interval floating in a contorted matrix of chlorite and muscovite. Quartz boudins are milk white and range in size from 0.2 x 0.2 cm up to 8 x 10 cm. Strong pervasive sericite. Local, euhedral fresh pyrite (0.3 x 1 cm). Bottom contact is a 5 cm thin fault breccia. See faults for details. Weak carbonate alteration along fractures and foliation.	ser	Mod	carb	Wk	Moderate pervasive sericite alteration. Weak carbonate alteration along fractures and foliation.	N	EPy	0.2	Ep	2			Dispersed epidote patches and stringers. Local, euhedral fresh pyrite (0.3 x 1 cm).	30					
EC19-283	12.68	19.98	SCH-f		Light sea-green. Uniform, planar, laminated foliation. Skeletal texture throughout interval. Weak carbonate alteration along foliation and in fractures. Pervasive epidote dots (up to 0.5 x 0.5 cm). Significant decrease in foliiform quartz from unit above. Bottom contact is sharp and planar. Quartz sweats contain 1.5 x 2 cm irregular, jagged vugs.	ser	Mod	carb	Wk	Moderate pervasive sericite alteration. Weak carbonate alteration along fractures and foliation.	N	Ep	8	EPy	0.1			Patchy and dotted epidote. Very uncommon, oxidized euhedral pyrite.	3					
EC19-283	19.98	26.13	SCH-i		Medium-sea green with white quartz bands. Planar to slightly wavy, non-uniform foliation. Local tectonized texture (24.38 - 25 m). Pervasive foliation parallel and fracture filling epidote. Local, moderate pervasive sericite alteration. Local, euhedral fresh pyrite (0.5 x 1.2 cm). Weak carbonate alteration along fractures and foliation.	ser	Mod	carb	Wk	Moderate local sericite alteration. Weak carbonate alteration along fractures and foliation.	N	Ep	15	EPy	0.4			Euhedral fresh pyrite (0.5 x 1.3 cm).	30					
EC19-283	26.13	44																						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-283	44.96	52.64	SCH-i		Medium-sea green with white quartz bands. Planar to slightly wavy, non-uniform foliation. Pervasive foliation parallel and fracture filling epidote. Local, moderate pervasive sericite alteration. Local, euhedral fresh pyrite (0.5 x 1.2 cm). Weak carbonate alteration along fractures and foliation.	ser	Mod	carb	Tr	Moderate local sericite alteration. Weak carbonate alteration along fractures and foliation.	N	Ep	15	EPy	0.4			Euhedral fresh pyrite (0.2 x 0.5 cm)	20					
EC19-283	52.64	60.15	SCH-f		Light sea-green. Uniform, planar, laminated foliation. Skeletal texture throughout interval. Weak carbonate alteration along foliation and in fractures. Significant decrease in foliiform quartz from unit above. Chlorite infilled fractures with hematite alteration around fractures. Chlorite also runs along foliation and forms diffuse chlorite patches. Uncommon plag porphyroblasts (up to 0.3 x 0.3 cm).	ser	Mod	chl	Wk	Moderate local sericite alteration and weak chlorite alteration.	N							2						
EC19-283	60.15	60.71	QV		Massive milk white quartz with irregular contacts. Possible a foliiform quartz. Sericite altered wall rock inclusions (8 x 5 cm) near the bottom contact. Weak carbonate in vein.						N													
EC19-283	60.71	100.58	SCH-f		Light sea-green. Uniform, planar, laminated foliation. Skeletal texture throughout interval. Weak carbonate alteration along foliation and in fractures. Significant decrease in foliiform quartz from unit above. Local abundant, subhedral to euhedral, feldspar porphyroblasts (0.5 x 0.3 cm). Moderate oxidation and pyroclite along fractured surfaces. Local, moderate sericite alteration. Highly fractured interval between 93 and 94.80 m.	ser	Mod	carb	Wk	Moderate local sericite alteration. Weak carbonate alteration along fractures and foliation. Intensely oxidized vein at 84.50 m to 85.10 m.	N	EPy	0.1						Euhedral fresh pyrite (0.3 x 0.3 cm). Mostly in chlorite bands and quartz sweats. The host rock of SCH-f is mostly barren of any mineralization.	5				
EC19-320	1.2	1.5	OVb		no casing block, quartz and SCH-i rubble.						N													
EC19-320	1.5	3.75	SCH-i		dark grey-green, silica flooded, disseminated pyrite, pervasive abundant epidote.	sil	Wk	oxi	Wk	weakly silica flooded. weak oxidation, 5cm patch at 2.1m with pure orange cemented dirt core with cubes of pyrite inside.	N	Py	0.5	Ep	5			disseminated subhedral pyrite, up to 0.5%, pervasive spotted epidote up to 5%.	55					
EC19-320	3.75	6.05	QAS		moderate grey-green SCH-i protolith QAS. small blue quartz eyes found throughout. spotted chlorite pervasive.	chl	Mod	oxi	Wk	slightly oxidized. spotted chlorite and quartz eyes are seen to be related to each other.	N	Py	0.5	Ep	3			combination of coarse grained subhedral pyrite - locally up to 0.5% at 4m, and medium grained rusty pyrite - trace disseminated. patchy epidote locally up to 3%	50					
EC19-320	6.05	6.25	QV		irregular contacts - possible x-cut vein through pre existing quartz sweat, or conjugate vein set. trace medium grained rusty cubes of pyrite. epidote and limonite propagating through micro fractures.	lim	Wk			limonite propagating through microfractures.	N	EPy		Ep				epidote propagating through micro fractures. trace medium grained rusty pyrite.						
EC19-320	6.25	20.9	SCH-i		moderate grey-green color, silica flooded throughout and in some spots more than others. x-cut veins and bands of light green altered epidote are not uncommon for the first half of interval. moderately bleached from 15.7m-18m. blue quartz eyes found locally at 15.8m, 17m, 18.6m, 19m. sharp contact with SCH-f below [oriented]. generally well developed planar foliation	ble	Mod	chl	Wk	moderately bleached from 15.7m-18m. weak local spotted chlorite from 7.7m-8m, 16.7m-17m.	N	EPy	1.5	Ep	5	Qtz		pyrite disseminated throughout, locally up to 1.5% at 14.5m. epidote concentrated zone from 6.25m-13.5m banded locally up to 5%. zones of blue quartz eyes locally at 15.8m, 17m, 18.6m, 19m.	55					
EC19-320	20.9	26.7	SCH-f		pale green silicified, slightly darker than classic footwall felsic. abundant foliaform qtz sweats throughout, usually with a dark pink tinge from possible iron oxide stains. fault present from approximately 24-25m that brought in fluids that caused oxidation along fractured surfaces.	sil	Str	oxi	Mod	strongly silicified throughout. fault from approximately 24-25m that brought in fluids that caused oxidation along nearby fractured surfaces.	N	EPy						trace fine grained disseminated rusty euhedral pyrite cubes.	70					
EC19-320	26.7	27.5	SCH-i		small interval of SCH-i in between felsic units before the major transition to intermediate dominance. possibly a silver along a fold or something.	oxi	Mod			moderately oxidized	N	EPy	1					semi-rusty euhedral pyrite from 27m-27.5m up to 1%.	50					
EC19-320	27.5	28.3	SCH-f		strongly silicified, slightly darker than classic footwall felsic. strong skeletal texture in quartz rich core. disseminated rusty pyrite.	sil	Str	oxi	Wk	weakly oxidized. strongly silicified.	N	EPy						trace rusty euhedral pyrite cubes disseminated.	70					
EC19-320	28.3	31.25	SCH-i		moderate propylitic alteration?, epidote flooded throughout interval, probably up to 10-15%. weak limonite common throughout. disseminated rusty pyrite. dark bands of chlorite x-cutting foliation at 29.3m (4mm) and 31.15m (1cm). chlorite bands seem to x-cut host rock foliation yet they hide behind foliaform quartz veins.	chl	Mod	lim	Wk	weak limonite common throughout. dark bands of chlorite x-cutting foliation at 29.3m (4mm) and 31.15m (1cm). chlorite bands seem to x-cut host rock foliation yet they hide behind foliaform quartz veins.	N	EPy						trace disseminated rusty pyrite.	55					
EC19-320	31.25	32.15	SCH-m		this interval is sharp contrast of dark, relatively unaltered schist. the unit starts off with a series of 5 calcite stringers and shiny pyrite up to 2%. limonite stained foliaform quartz veins. trace epidote only found in foliaform veins that are near upper and lower contacts of this interval.	lim	Mod			limonite stained foliaform quartz veins.	N	EPy	2	Ep				the unit starts off with a series of 5 calcite stringers and shiny pyrite up to 2%. trace epidote only found in foliaform veins that are near upper and lower contacts of this interval.	45					
EC19-320	32.15	36.4	SCH-i		moderate propylitic alteration?, epidote and limonite in banded foliation, increases in intensity towards downhole. possible fault at 33.4m - no sense of displacement, most likely thrusting at a distance greater than the size of the diameter of the NTW core. noticeable by foliation immediately cut off and ellipse is easily drawn.	lim	Mod			moderate propylitic alteration, epidote and limonite in banded foliation, increases in intensity towards downhole. limonite stained foliaform qtz veins.	N	EPy		Ep				trace disseminated pyrite - both fresh and rusty. epidote alteration stringers throughout.	50					
EC19-320	36.4	36.75	QV		moderate propylitic? epidote and limonite along fracture surfaces and contact margins. strong presence of rusted and semi-rusted pyrite - up to 2.5%. most likely a foliaform vein but not sure	lim	Mod			moderate propylitic epidote and limonite along fracture surfaces and contact margins.	N	EPy	2.5	Ep				strong presence of rusted and semi-rusted pyrite - up to 2.5%						
EC19-320	36.75	44.6	SCH-i		strong propylitic alteration?. mottled mess of alternating dark green chlorite, pale cream epidote, and pale orange limonite. decreases in intensity towards down hole starting at 39m, where planar fabric becomes more easily visible. faulting satart at 40m. strong contact with bleached core at 41.55m-41.9m.	chl	Str	lim	Mod	strong propylitic alteration, mottled mess of alternating dark green chlorite, pale cream epidote, and pale orange limonite. decreases in intensity towards down hole starting at 39m	N	EPy		Ep				disseminated rusty pyrite - up to 0.5% locally. stringers of epidote throughout.	35					
EC19-320	44.6	45.9	QAS		shear zone? very high concentration of small blue quartz eyes amongst other white quartz porphyroblasts. in zone with faulting and fracturing. fine grained disseminated rusty pyrite.	oxi	Mod			oxidized from fluids from local faulting.	N	EPy	0.5	Qtz	10			fine grained disseminated rusty pyrite. very high concentration of small blue quartz eyes amongst other white quartz porphyroblasts.	45					
EC19-320	45.9	50	SCH-i		moderately bleached and well developed crenulations until about 47.3m. rusty disseminated pyrite up to about 1.5%. pyrite is associated with bleached zones. trace blue quartz eyes found at 47.5m.	ble	Mod	lim	Mod	moderate bleach and limonite associated with eachother, as well as disseminated rusty pyrite.	N	EPy	1					disseminated rusty pyrite up to about 1%.	40					
EC19-320	50	70.1	SCH-m		dark grey, laminated foliations and crenulations. thick black chlorite bands make it difficult to distinguish crenulations from foliations. patches of orange-green iron oxide and magnesium stained core. there a few foliaform quartz veins but not many. only one x-cut vein found. major amount of pyrite deposition throughout - up to about 5% near 63m. zone of brecciation from 59m-60m with a deep red mineralization - either rusted hematite or clay altered k-feldspar. sigmoidal cleavage sometimes visible in core - indicating shear zone near 60m.	oxi	Wk	chl	Str	weak orange-green iron oxide and magnesium oxide stains in patches throughout. thick bands of dark chlorite throughout. patches of sericite commonly found in faults and rubble zones.	N	EPy	5					major pyrite mineralization, both rusty cubes and shiny subhedral. gradually increasing abundance and maximizing at about 5% abundance near 63m, then gradually decreasing.	35					
EC19-321	4.5	12	SCH-i		From 4.5 to 39.48 is typical Nugget side brownish coloured intermediate schist, with moderate carb and disseminated cubic weathered py. Intervals of QAS have been broken out in this table, but compositionally, both units are likely similar as they are in appearance, except for tiny blue quartz eyes.	carb	Mod				N	EPy						disseminated cubic weathered py.						
EC19-321	12	13.72	QAS		As discussed in unit above.	carb	Mod				N	EPy						disseminated cubic weathered py.						
EC19-321	13.72	26.48	SCH-i		As from 4.5 to 12.0.	carb	Mod				N	EPy						disseminated cubic weathered py						
EC19-321	26.48	28.61	QAS		as from 12 to 13.7200	carb	Mod				N	EPy						disseminated cubic weathered py						
EC19-321	28.61	39.48	SCH-i		Same as intermediate units above. Foliation is a little more pronounced as the contact with The underlying felsic unit is approached.	carb	Mod				N	EPy						disseminated cubic weathered py						
EC19-321	39.48	41.15	SCH-f		Muddy green looking, Sch-f, with much more regular banding, and typical increase in quartz sweats. Below 41.15, unit maintains an overall felsic texture with boudinaged quartz sweats, and regular, even foliation, but compositionally is likely a intermediate unit						N													
EC19-321	41.15	73.15	SCH-i		Better foliated than Intermediate units above, likely due to less sericite alteration. Epidote content increases dramatically at 50m and forms perhaps 10% or more of the rock, including as crystals in the sweats. This contributes to the muddy colour. it also is present in hairline fracture cross cutting veins are densest between 61 and 73.75m						N													
EC19-321	73.15	77.25	SCH-i	Other	Same as above unit but very healed brecciated appearance. Light bands are broken into blocks., mostly alligned along a very low angle to the core....5 degrees or so. Technically, it is probably a cataclastite.						N													
EC19-321	77.25	79.25	SCH-f		Similar to interval 39.48 to 41.15, in that it is a muddy green, as opposed to the typical fresh bright green.						N													
EC19-322	0	4.57	OVb		Splintery and rubbled pieces of SCH-m.						N													
EC19-322	4.57	45.9	SCH-m	SCH-yel	Medium to dark grey SCH-m that has a banded to ribbed appearance. There is a patchy SCH-yel overprint occurring throughout this unit with coarse grained silver sericite alteration. This unit has varied textures throughout - Locally more well laminated with light and dark bands, as well as local weak SCH-tec texture with broken white quartz lenses floating in matrix (33.2 to 37.10 m). At the top of the hole we see some weak faulting (or broken up due to surfacial weathering) until 25.90 m. After this there are only minor rubble zones in between competent core sections. Rubbled pieces are thin and needle like. A total loss of core over this interval is 8.75 m. Patchy limonite alteration occurring throughout as well as patchy pitting. Locally moderately crenulated - sub parallel t/c. Pyrite is coarse to medium grained, euhedral, completely to almost completely oxidized and locally clustered concentrations - up to 3%. Foliation is shallow and ranging from 20 to 35 degrees t/c. Patchy weak carbonate alteration predominantly occurring in the quartz.	lim	Str	ser	Str	Limonite - patchy; Sericite patchy locally pervasive - coarse grained silvery. Carbonate - patchy weak.	N	EPy	0.5						Pyrite - euhedral, occurring along foliation and crenulations, local concentrations (up to 3%), completely oxidized to almost completely oxidized, medium to coarse grained.	5				
EC19-322	45.9	48.65	SCH-m	SCH-tec	Similar to above but with a much more pronounced SCH-tec texture. Dark grey to black matrix with white to light grey quartz lenses floating in it. Appears to have a local breccia zone with angular quartz in a matrix (old healed fault) at 46.85 to 47 m. Patchy rubble zones in this unit with a total loss of 0.85 m. Patchy coarse grained silvery sericite occurring in this unit. Strong carbonate alteration occurring as stringers as well as patchy in quartz.	lim	Wk	carb	Str	Limonite - weak patchy; Carbonate - stringers as well as patchy; Sericite - patchy coarse grained silvery.	N	EPy	0.1						Pyrite - cubic, fresh and completely oxidized, medium to coarse grained, euhedral, locally clustered.	2				
EC19-322	48.65	65.3	SCH-m	SCH-lam	SCH-m with a laminated texture. Medium to dark grey. Patchy limonite coming in along fracture surfaces. This unit is very finely laminated to banded. Carbonate alteration is in cross cutting carbonate stringers as well as patchy blebs. Locally crenulated - 25 degrees t/c. Milky white quartz sweats are disseminated throughout this interval. There are a 2 small (1-2 mm wide), circular blue quartz eyes at 51.55 - 51.80 m. There is some very trace epidote occurring in quartz sweats.	lim	Mod	carb	Str	Limonite - patchy occurring along fracture surfaces as well as locally pervasive and selective. Carbonate alteration is patchy to locally pervasive.	N	Ep	0.1						Epidote - occurring in quartz sweats and disseminated.	6				
EC19-322	65.3	71.9	SCH-m		Medium grey - green at top of interval changing to a medium to dark grey semi banded. Dirty milky white quartz sweats are disseminated throughout this interval. The unit is well foliated locally. The lower contact is sharp with SCH-i as we see a change in color as well as increased quartz content. Patchy limonite staining is moderate and throughout this interval. Trace epidote is patchy and mostly found in quartz sweats. This unit has patchy trace sericite alteration occurring as coarse grained silver sericite. Carbonate alteration is occurring as cross cutting carbonate stringers.	lim	Str	carb	Tr	Limonite - patchy throughout interval. Carbonate - occurring as cross cutting stringers. Sericite - patchy trace coarse grained silvery sericite.	N	Ep	0.1						Epidote occurring as anhedral blebs in quartz sweats predominantly, disseminated.	15				
EC19-322	71.9	73.95	SCH-i		A small slice of SCH-i in between the above SCH-m and the below SCH-f. This unit has sharp upper and lower contacts. There is increase quartz content in this unit in comparison to the above SCH-m. This unit has some weak faulting with a loss of 0.55 m. We see the weak development of SCH-tig along quartz sweats.	carb	Tr			Carbonate - occurring as cross cutting stringers.	N	EPy	0.1						Pyrite - fine grained, partially oxidized, locally clustered together, euhedral.	20				
EC19-322	73.95	77.95	SCH-f		Medium green (very similar to LS FWF), very fine grained and massive. At the lower contact of this unit we see porphyroblastic texture - 79.75 to 77.95 m. White quartz porphyroblast range in size from 1 - 3 mm wide. The porphyroblasts are semi circular to lath shaped (feldspars). Unit is weakly foliated. Carbonate alteration is occurring as cross cutting stringers. There is a local rubble zone with a loss of 0.3 m. The lower contact is sharp with a basaltic dyke.	carb	Tr			Carbonate - occurring as cross cutting stringers.	N	EPy	0.1						Pyrite - fine to medium grained, completely oxidized, cubic, euhedral, locally clustered together.	2				
EC19-322	77.95	78.35	BAS		A shallowly cross cutting basaltic dyke - 20 degrees t/c. Dyke is medium green / grey. There is gouge along the upper and lower contacts that is very calcareous. This unit is faulted and broken. Dyke is non magnetic and aphanitic in texture.	carb	Tr			Carbonate - occurring as cross cutting stringers.	N													
EC19-322	78.35	80.77	SCH-m		Same as above SCH-m (65.3 - 71.9 m) Unit is medium to dark grey SCH-m. There is patchy epidote occurring in this interval - 3% overall.	carb	Wk	ser	Wk	Carbonate - occurring as cross cutting stringers as well as patchy - locally pervasive. Sericite - coming in along the lower contact occurring as coarse grained silvery.	N	EPy	0.1	Ep	5			Pyrite - medium grained, fresh, locally clustered at the lower contact, euhedral, cubic.	2					
EC19-323	0	3.02	OVb		Rounded and broken up core with 50% quartz rubble. There is competent core shortly after this but it is rubbled and broken.						N													
EC19-323	3.02	19.05																						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (tita)	Structure 2	Structure Angle 2 (tita)	
EC19-323	21.65	40	SCH-m	SCH-lam	Medium to dark grey SCH-m with local grey-green zones (bleached? or strongly silicified?) This unit has strong patchy oxidation that is locally pervasive. There are approximately 4 small blue quartz eyes occurring in a small interval at 38.52 - 38.93 m. They are circular in shape and 2 - 3 mm wide. This unit has the same ribbed appearance as the above 2 SCH-m units but we loss this texture at 26.85 m and then we see a more laminated (very finely) and smoother appearance. The bottom contact is sharp with the below SCH-f. This unit is well foliated locally. Carbonate alteration is patchy in quartz rich layers along foliation - moderate. There are 2 small rubble / broken up zones occurring in this interval with a total loss of 1.0 m.	lim	Str	carb	Mod	Limonite - patchy, locally pervasive. Carbonate - moderate patchy occurring in quartz rich layers - sometimes along foliation.	N	EPy	0.1						Pyrite - completely oxidized, fine grained, euhedral, disseminated.	3				
EC19-323	40	49.05	SCH-f		Medium green SCH-f (very similar to the FWF at LS). This unit is smooth and siliceous as well as ribbed like previous units before it. This unit is weakly faulted with multiple small rubble zones. A total loss of 1.2 m over this interval. There is a small zone (43.50 - 44.15 m) of porphyroblastic texture with white quartz porphyroblasts, ranging in size from 1 - 3 mm wide that are circular to lath shaped (laths). Local pervasive hematite staining occurring at the lower quarter of the interval 50 cm wide and 22 cm wide.	hem	Wk	carb	Wk	Hematite - locally pervasive in two zones; Carbonate as patchy blebs, disseminated throughout this unit.	N	EPy	0.1						Pyrite - completely oxidized, euhedral to sub hedral, fine grained to medium, locally clustered together.	2				
EC19-323	49.05	50.29	SCH-i		Transitional zone of SCH-f changing to a SCH-i. Light grey to green in color with the same ribbed appearance. There is some patchy pervasive hematite staining occurring near the lower contact (but not as strong as previous unit). Patchy weak carbonate alteration in quartz rich layers and sweets.	hem	Wk	carb	Wk	Hematite - locally pervasive occurring at the lower contact. Carbonate - patchy occurring in quartz rich layers and sweets.	N	EPy	0.1						Pyrite - euhedral, fine grained, fresh, cubic and disseminated.	4				
EC19-324	2.6	2.9	OVb								N													
EC19-324	2.9	26.55	SCH-i		med green grey; strongly oxidized on fracture surfaces; faulting at top of interval outlined in fault table; well developed foliations; weak patchy carb alteration; moderate pervasive sericite alteration; patchy epidote alteration; 0.5% rusted epy 1-3mm; typical nugget intermediate; patchy very strong crenulations which in some cases completely overprint foliation; foliation appears to change several times throughout interval;	ser	Mod	carb	Wk	weak patchy carb alteration; moderate pervasive sericite alteration; patchy epidote alteration	N	EPy	0.5					0.5% rusted epy 1-3mm	5					
EC19-324	26.55	31.7	QAS		med grey with moderate pervasive oxidation; abundant BQEs 1-2mm; well developed foliations; weak patchy carb alteration, including carb veinlets infilling fractures; patchy spotted chlorite; moderate to strong pervasive sericite alteration; 2% epy 1-4mm, some completely rusted and some with rusted rims and fresh cores; locally crenulated;	ser	Mod	carb	Wk	weak patchy carb alteration, including carb veinlets infilling fractures; patchy spotted chlorite; moderate to strong pervasive sericite alteration	N	EPy	2					2% epy 1-4mm, some completely rusted and some with rusted rims and fresh cores;	1					
EC19-324	31.7	41.45	SCH-i		med grey; patchy well developed foliations with minor patches of tectonized foliations; weak patchy carb alteration; strong pervasive sericite alteration; patchy epidote alteration; 0.5% rusted epy 1-3mm; typical nugget intermediate; patchy very strong crenulations which in some cases completely overprint foliation; foliation appears to change several times throughout interval;	ser	Str	carb	Wk	weak patchy carb alteration; strong pervasive sericite alteration; patchy epidote alteration;	N	EPy	0.5					0.5% rusted epy 1-3mm						
EC19-324	41.45	50.3	QAS		med grey with weak patchy oxidation; somewhat abundant BQEs 1-2mm; dominantly poorly developed foliations with minor patches of well developed foliations; trace patchy carb alteration; moderate to strong pervasive sericite alteration; 0.5% rusted epy 1-4mm; locally crenulated; similar to QAS unit above	ser	Mod	carb	Tr	trace patchy carb alteration; moderate to strong pervasive sericite alteration	N	EPy	0.5					0.5% rusted epy 1-4mm						
EC19-324	50.3	57.1	SCH-i		med grey; patchy well developed foliations with minor patches of deformed foliations; weak patchy carb alteration; moderate pervasive sericite alteration; 0.5% rusted epy 1-3mm; typical nugget intermediate; patchy very strong crenulations which in some cases completely overprint foliation, occasionally parallel to core axis;	ser	Mod	carb	Wk	weak patchy carb alteration; moderate pervasive sericite alteration;	N	EPy	0.5					0.5% rusted epy 1-3mm						
EC19-324	57.1	59.8	QAS		mdium to dark green with an orange hue. planar well foliated. 1-3 mm blue quartz eyes dispersed. locally crenulated.	lim	Wk	carb	Tr	trace patchy car, often parallel to foliation. local weak limonite, often parallel to foliation. uncommon carbonate stringers.	N	EPy	0.5					0.5% oxidized (1-3 mm) Epy with fresh internal pyrite.						
EC19-324	59.8	61.35	SCH-i		medium green with orange hue bands. planar well foliated.	lim	Wk	carb	Tr	trace patchy carbonate with limonite bands.	N	EPy	0.2					very-fine grained oxidized Epy.	1					
EC19-324	61.35	67.25	QAS		medium to dark green with very dark grey intervals and local orange intervals. planar well foliated. contains up to 3 mm uncommon quartz eyes.	lim	Wk	carb	Wk	weak patchy limonite along foliation. pervasive carbonate with 1 mm thin carbonate stringers.	N	EPy	0.5					Dispersed oxidized Epy up to 2 mm.	2					
EC19-324	67.25	73.73	SCH-i		medium sea green with a brown hue. planar well foliated. contains rare dispersed quartz eyes at bottom of interval. quartz eyes aren't abundant enough to split out as QAS	carb	Wk	lim	Wk	dispersed patchy carbonate. dispersed limonite parallel to foliation.	N	Ep	0.2					local stringy epidote that follows foliation.	4					
EC19-324	73.73	75.82	QAS		medium green. planar well foliated. common blue quartz eyes up to 1 mm. local tectonized foliation in local intervals.	carb	Wk	lim	Wk	pervasive carbonate with local carbonate stingers. also contains local intervals of limonite, mostly associated with quartz sweets.	N	Ep	0.2	EPy	1			local stingers of epidote in interval. contains oxidized Epy up to 1.5 mm. Dispersed throughout interval.	5					
EC19-324	75.82	82.27	SCH-i		medium sea green with local bands of an orange hue. planar well foliated.	lim	Tr	carb	Wk	pervasive patchy carbonate, often associated with quartz sweets. MnO along	N	EPy	0.5	Ep	0.2			local patches of epidote that run parallel to foliation. contains fresh and oxidized Epy up to 1.5 mm. epidote is also associated with quartz sweets.	5					
EC19-324	82.27	83.78	SCH-m		black with a dark blue green hue. planar well foliated. local diffuse 5-8 cm bands of possible oxidation or limonite intervals.	lim	Tr	carb	Str	local limonite associated with quartz sweets. pervasive carbonate, as well as carbonate stringers along veins.	N	EPy	0.5					local oxidized Epy up to 0.4 cm.	10					
EC19-324	83.78	85.02	SCH-i		sharp parallel upper contact that follows foliation. medium sea green. contorted foliation due to quartz abundant quartz sweets throughout interval.	lim	Tr	carb	Wk	trace local limonite and weak carbonate patches dispersed throughout interval.	N	EPy	0.2					Local oxidized Epy up to 1.5 mm. Typically line quartz sweets.	65					
EC19-324	85.02	88.29	SCH-m		dark grey with a blue hue. planar well foliated.	carb	Wk	ser	Str	dispersed discontinuous carbonate stingers. strong pervasive sericite alteration.	N	EPy	0.5	Ep	0.2			Dispersed oxidized Epy up to 1.5 mm. Local epidote stringers that form parallel to foliation.	2					
EC19-324	88.29	96.63	SCH-i		medium green. planar to wavy well foliated. local pygmatic fabric near bottom of interval. local vugs associated with sweets.	carb	Wk	ser	Str	local weak carbonate alteration mostly associated with quartz sweets.	N	EPy	1					Dispersed very-fine grained fresh Epy.	20					
EC19-324	96.63	98.11	SCH-m		black with a grey blue hue.	carb	Str	chl	Wk	pervasive strong carbonate alteration. also weak weak limonite associated with quartz sweets. local weak to moderate chlorite patches up to 2 mm.	N	EPy	0.5	Ep	0.2	Chl	1	Dispersed very-fine grained fresh Epy with local epidote that is associated with quartz sweets. contains local spotted chlorite.	10					
EC19-324	98.11	99.78	SCH-i		medium green with an orange hue. planar well foliated.	carb	Wk	lim	Tr	pervasive weak carbonate, as well as thin carbonate stringers. uncommon trace limonite, often associated with quartz sweets.	N	EPy	0.5	Ep	0.2			Dispersed very-fine grained fresh Epy. Local intervals of epidote that follow parallel to foliation.	10					
EC19-324	99.78	100.15	SCH-m		dark green with an local orange hue. planar well foliated.	lim	Tr	carb	Tr	trace local limonite along foliation and pervasive trace carbonate.	N	EPy	0.2					Local very-fine grained fresh Epy.	15					
EC19-324	100.15	103.3	SCH-i		medium green. planar well foliated. rare pitting within carbonate patches.	lim	Wk	carb	Wk	weak limonite cm thick limonite bands and carbonate patches.	N	EPy	0.5	Ep	0.2			Local very-fine grained oxidized Epy. Epidote patches commonly associated with quartz sweets.	2					
EC19-324	103.3	109.1	QAS		medium to dark grey. planar and well foliated with local pygmatic texture. contains up to 2 mm blue quartz eyes. locally crenulated. quartz eyes abundance decreases down hole.	lim	Wk	carb	Wk	weak limonite bands associated with quartz sweets. pervasive weak carbonate. chlorite rich thin bands.	N	EPy	0.5	Ep	1			Dispersed very-fine grained fresh Epy. Moderate amount of epidote at top of the interval.	10					
EC19-324	109.1	122.48	SCH-i		very dark green with deep-red brown intervals. planar well-foliated. contains dispersed uncommon blue quartz eyes near the top of the hole. locally crenulated.	bio	Tr	carb	Str	possible biotite alteration causing foliation parallel brown intervals near the top of the interval. pervasive carbonate alteration. uncommon MnO along quartz sweets.	N	Ep	2					local epidote along foliation. contains few less than 1 mm blue quartz eyes.	10					
EC19-324	122.48	123.65	SCH-f		Light sea green. planar well foliated	carb	Tr	lim	Tr	trace carbonate and limonite stingers.	N	EPy	0.2					trace fine grained oxidized Epy. weak dendritic MnO occurs along fracture planes.	5					
EC19-324	123.65	125.15	SCH-i		medium green planar well foliated.	carb	Wk	lim	Tr	weak pervasive carbonate. trace limonite associated with quartz sweets. thin 3 cm wide SCH-m interval at top of the contact.	N	EPy	0.2					trace fine grained Epy	5					
EC19-324	125.15	126.26	SCH-m		dark black with a blue hue. planar well foliated. sharp upper and lower contacts	carb	Str	lim	Tr	strong pervasive carbonate and trace limonite associated with quartz sweets.	N								5					
EC19-324	126.26	128.58	SCH-i		medium green well planar foliated. sharp upper and lower contacts. very large significant increase in quartz sweets towards the bottom of the interval. few thin SCH-m intervals that contain elevated amounts of Epy and carbonate alteration. SCH-m thin interval at 127.72- 127.76 m possibly hydrothermally altered.	carb	Wk	lim	Tr	weak patchy carbonate alteration. trace limonite associated with quartz sweets.	N	EPy	1					Oxidized and fresh Epy associated with thin SCH-m intervals. Thin SCH-m intervals contain up to 1 cm large Epy. Also, fine grained oxidized Epy up to 0.2 mm in rest of interval. Pyrite also forms dodecahedra grains.	30					
EC19-324	128.58	129.15	SCH-m		dark black with blue hue. planar well foliated. upper contact is sharp and planar. bottom contact is more gradational and difficult to determine.	carb	Wk	lim	Tr	weak patch carbonate dispersed through out interval. limonite lines fractures and alters wall rock and runs parallel to foliation.	N	Ep	1					Epidote patches up to 1 cm.	5					
EC19-324	129.15	130.3	SCH-i		medium green planar well foliated. gradational upper and lower contacts difficult to place exact contacts.	carb	Tr	lim	Wk	trace carbonate stringers and weak limonite alteration through out interval. also possibly more oxidized along fractures and throughout interval.	N	EPy	0.2					Very fine grained oxidized Epy.	5					
EC19-324	130.3	131.15	SCH-m		dark black with a blue hue. planar well foliated.	carb	Wk	lim	Tr	Weak pervasive carbonate alteration along with carbonate stringers. Trace limonite along foliation and internal to fractures.	N	APy	0.2					Very fine grained anhedral pyrite dispersed through out interval.	5					
EC19-324	131.15	131.65	SCH-i		medium green planar well foliated. gradational upper contact. basal contact placed at first appearance of blue quartz eyes.	carb	Wk	lim	Tr	Weak pervasive carbonate and thin stringers of carbonate as well. Uncommon thin chlorite intervals.	N	APy	0.2					Very fine grained trace anhedral pyrite.	5					
EC19-324	131.65	138.58	QAS		medium green planar well foliated. local tectonized texture at the bottom of the interval. pervasive distributed blue quartz eyes up to 1 mm over the entire interval. also contains pervasive very fine grained (<0.5 mm) cream patchy mineral. possibly altered feldspar or some other alteration.	lim	Wk	chl	Wk	weak patchy chlorite up to 2 mm. chlorite also fills hair thin fractures along with patchy carbonate. quartz sweets also contain fluorite up to 1 cm and patchy carbonate.	N								15					
EC19-324	138.58	151.49	SCH-i	SCH-tec	medium to																			

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-325	66.5	70.1	SCH-f		Gradational upper contact with SCH-m where it changes to a SCH-f. Medium grading to a Light Green SCH-f. This unit is very siliceous. This unit has abundant milky white quartz sweats with moderate MnO coming in along fracture surfaces. There is patchy sericite alteration occurring at the upper contact in the transitional zone and then disappears as it becomes more SCH-f. E.O.H.	mno	Wk	carb	Tr	MnO - in quartz sweats (predominantly) but also in the schist almost dendritic. Carbonate - occurring as cross cutting carbonate stringers.	N	APy	0.1					Pyrite - subhedral to anhedral, partially to completely oxidized, fine to medium grained, disseminated.	5					
EC19-326	3.3	3.55	OVb		Rounded and broken core.						N													
EC19-326	3.55	18.15	SCH-i		Light to medium grey with a blue tinge. This unit is well foliated and locally crenulated - 20 and 30 degrees tca. This unit would have been logged as a SCH-m in the previous hole (EC19-325). There is a local concentration of blue quartz eyes - 11.95 to 12.35 m as well as a few disseminated ones not in this zone. The eyes are all roughly 1 mm wide and circular in shape. Patchy silvery coarse grained sericite occurs in this unit and is weak overall. There is bleby chlorite occurring along foliation. There is patchy locally pervasive limonite staining occurring throughout this interval. This unit has several small fault zones with rubble. There is also a small zone of gouge 2.5 cm wide. A minor loss of 0.20 m occurs over this interval.	ser	Wk	lim	Wk	Sericite - weak patchy coarse grained and silvery. Limonite - patchy locally pervasive.	N	EPy	2						Pyrite - euhedral, fresh to partially oxidized to completely oxidized, medium to coarse grained, locally clustered.	8				
EC19-326	18.15	32.3	SCH-m	SCH-lam	Medium to dark grey with local green - grey sections SCH-m with a laminated texture. The laminations are very fine. This unit has a sharp upper contact with SCH-i. This unit has patchy pervasive limonite staining. Carbonate alteration is occurring as cross cutting carbonate stringers that are spread throughout this interval. This unit has several cross cutting quartz veins and larger quartz sweats? or veins. Green - grey zones may be done to epidote alteration?	lim	Mod	carb	Tr	Limonite - patchy locally pervasive; Carbonate - occurring as cross cutting stringers.	N	EPy	2	Ep	5			Pyrite - fresh to partially oxidized to completely oxidized; locally clustered together; euhedral.	8					
EC19-326	32.3	33.4	QAS		A zone of QAS between the two SCH-m / SCH-lam. This zone has a sharp upper and lower contact where we see a change in color to a grey - green and becoming less finely laminated. As well as the addition of blue quartz eyes - ranging in size from 1 - 2 mm. The eyes are circular in shape. This unit also has chlorite blebs disseminated. There is also carbonate stringers occurring in this unit as well as patchy occurring with the chlorite blebs.	carb	Wk	sil	Mod	Carbonate - occurring as cross cutting stringers as well as patchy; Silicified - pervasive.	N	EPy	0.1	EPy	5			Pyrite - fine grained, euhedral, fresh, disseminated.	1					
EC19-326	33.4	40.1	SCH-m	SCH-lam	Medium to dark grey with a blue tinge at the upper contact and then changing to a green - grey with rusty orange. Unit is finely laminated at the upper contact and then as we go down interval the laminations are not as fine and become thicker. This unit has patchy limonite that is locally pervasive this limonite staining gets stronger as we go down interval. Sericite alteration is occurring along fracture surfaces as coarse grained silvery sericite. There is a small fault occurring near the lower contact with rubble and chips. Carbonate altered.	carb	Mod	lim	Mod	Carbonate alteration is patchy almost pervasive but decreases in intensity to nothing in the limonite zones. Limonite staining getting stronger as we go down interval and locally pervasive.	N	EPy	1					Pyrite - is fresh except for in the limonite zones where the pyrite is partially to completely oxidized, fine to medium grained, as well as minor local coarse grained, euhedral, disseminated some times along foliation.	5					
EC19-326	40.1	41.15	QV		Large quartz sweat that is milky white, moderate fracturing with limonite and MnO along the surfaces. Large open space cavities 2 cm wide with re-crystallization.	lim	Mod	mno	Wk	Limonite and MnO coming in along fracture surfaces.	N													
EC19-326	41.15	42.05	SCH-m		Same as above unit (33.4 - 40.1 m)						N													
EC19-326	42.05	44.5	SCH-f		Medium green SCH-f. Unit is fine grained and very siliceous. This unit is moderately foliated and has abundant milky white quartz sweats throughout this interval. There was a very large pyrite crystal occurring in a quartz sweat at the end of the interval - 1.5 x 2.5 cm wide, the crystal is multi-generational and fresh. Around the crystal it is weathered out.	sil	Str	carb	Tr	Silicified - throughout the interval. Carbonate - patchy, mostly at the upper contact.	N	EPy	0.3					Pyrite - euhedral, fine to medium grained, partially oxidized, disseminated.	20					
EC19-326	44.5	50.45	SCH-m	SCH-lam	Medium to dark grey SCH-m with a very finely laminated texture. This unit is well foliated with a general foliation of - 60 - 65 degrees tca. Foliation is locally pulled sub parallel at 48.75 - 49.0 m. Milky white quartz sweats are disseminated throughout this unit. Trace patchy epidote is occurring in this unit usually blebby in nature but also along fracture surfaces. There is also patchy limonite staining - pervasive at the upper and lower contacts - only weakly colored. Patchy moderate carbonate alteration. Local cluster of 3 coarse grained pyrite crystals at 49.90 m, fresh, multi-generational and sub hedral. VG at 54.8 m - 1 spec, 1 x 1 mm, cube. This VG is occurring in the schist and is in between some quartz sweats and has some cubic pyrite near it.	carb	Mod	lim	Wk	Carbonate - patchy throughout interval; Limonite - patchy locally pervasive.	Y	EPy	0.3					Pyrite - fresh to completely oxidized dependent on location in interval. Euhedral, fine to medium grained disseminated with local higher concentrations.	10					
EC19-326	50.45	53.6	SCH-i		Light to medium grey with dark green to black chlorite blebs that are along foliation giving the core a speckled appearance. Unit is moderately foliated (~65 degrees tca) with local crenulations - 30 degrees tca. Patchy limonite staining (that is locally pervasive (light in coloration)). Sericite alteration is occurring along the fracture surfaces of this unit as coarse grained and silvery. This unit has patchy epidote alteration? appears a little lighter in color than normal. There is a local siliceous zone that is more fine grained and a little less laminated - 52.8 - 53.10 m. Patchy trace carbonate alteration.	lim	Wk	carb	Tr	Limonite - patchy locally pervasive. Carbonate - patchy stronger at the upper contact but becoming less as we go down interval.	N	EPy	2	Chl	15			Pyrite - fine to medium grained, fresh but locally completely oxidized, euhedral, cubic and disseminated. Chlorite - blebby and along foliation giving a speckled look to the core.	2					
EC19-326	53.6	58.95	SCH-m		Medium to dark grey SCH-m with local olive green / grey (54.45 - 57.30 m). Unit is weakly foliated locally but as well more massive locally with no clear foliation. Foliation is locally pulled sub parallel - 55 - 55.15 m. This unit is locally crenulated - 55 degrees tca. Unit is pervasively silicified. This unit has a few possible old mafic dykes that have become conformable. Patchy locally pervasive limonite staining. Patchy blebby epidote alteration occurring throughout the interval - trace.	lim	Wk	carb	Wk	Limonite - patchy and locally pervasive; Carbonate - patchy and locally pervasive in these old mafic dykes.	N	EPy	0.1					Pyrite - fine grained, disseminated, fresh and completely oxidized, euhedral and cubic.	5					
EC19-326	58.95	59.8	QAS		Light to medium grey - very similar to above SCH-m but a bit lighter in color but with the addition of blue and white quartz eyes. These BQE's and WQE's are disseminated throughout this interval. The eyes range in size from 1 - 2 mm wide. This unit has a pervasive alteration that is light yellow green (a washed out epidote color) that seems to follow the foliation. This unit is locally crenulated - 20 degrees tca.	carb	Tr			Carbonate - patchy	N								2					
EC19-326	59.8	70.1	SCH-m		Medium to dark grey SCH-m, locally well laminated. Unit has a skeletal appearance with silvery partings. Patchy epidote alteration is disseminated and blebby throughout this unit. There is patchy and locally pervasive limonite staining. There is strong fracturing at 60.27 - 60.38 m infilled with carbonate. Unit is locally crenulated - 20 degrees tca. Patchy blebby carbonate alteration and locally concentrated. Rare blue quartz eyes are occurring in this interval as well.	lim	Wk	carb	Wk	Limonite - patchy locally pervasive. Carbonate - patchy and blebby but locally concentrated.	N	APy	0.1					Pyrite - blebby, fresh, disseminated, and anhedral.	8					
EC19-327	1.15	1.4	OVb		Rounded SCH-i clasts with an average size of 3 cm.	ser	Tr				N	EPy	0.2					Oxidized Epy up to 0.3 mm.	5					
EC19-327	1.4	4.86	SCH-i		Medium green, well planar foliated. Uncommon pitting at bottom of interval. Uncommon 0.2 mm thin chlorite filled fractures that have no consistent fracture pattern.	lim	Tr	carb	Tr	Trace limonite commonly associated with quartz sweats, but also in host rock that fill vugs and pits. Hair line thin fractures also contain carbonate. Moderate pervasive sericite alteration.	N	EPy	0.5					Oxidized Epy up to 4 mm occur near cross cutting quartz veins. Fine grained oxidized, as well as fresh Epy also occur in the host rock.	5					
EC19-327	4.86	5.87	QAS		Medium green, planar well foliated. Uncommon pitting associated with limonite and Epy. Contains rounded blue quartz eyes up to 2 mm dispersed throughout interval.	lim	Tr	carb	Tr	Trace limonite commlly associated with quartz sweats, also in host rock that fills vugs and pits. Hair line thin fractures also contain carbonate. Moderate pervasive sericite alteration.	N	EPy	0.5					Oxidized Epy up to 4 mm occur near cross cutting quartz veins. Fine grained oxidized, as well as fresh Epy also occur in the host rock.	5					
EC19-327	5.87	7.75	QAS	SCH-tec	Medium green with contorted broken foliation. Highly broken interval. Pervasive pitting and vugs along quartz sweats. Contains rounded blue quartz eyes up to 2 mm dispersed throughout the interval.	lim	Wk	ser	Wk	Weak limonite infills vugs and fractures associated with quartz sweats and vugs. Interval is also pervasively weakly sericite altered.	N	EPy	2					Oxidized and fresh Epy up to 4 mm.	10					
EC19-327	7.75	9.35	QV		Milk white massive quartz with common SCH-i wall rock inclusions. Contains VG at 9.25 along the margin of a fracture that is infilled with abundant limonite. Also contains numerous fractures that are infilled with limonite and chlorite.	lim	Mod	mno	Tr	Fractures are moderately to strongly infilled with limonite. SCH-i wall rock inclusions are also weakly sericite altered.	Y	EPy	0.5					VG occurs at 9.25 m and occurs near a fracture that is 1 mm wide and Oxidized Epy up to 1.5 mm occurs along fractures that are infilled with limonite.						
EC19-327	9.35	9.9	QAS		Medium green, planar well foliated. Uncommon pitting associated with weathered Epy and limonite. Also contains common 1 mm rounded blue quartz eyes.	lim	Mod	ser	Str	Pervasive moderate limonite that infills weathered out Epy squares. Pervasive strong sericite alteration.	N	EPy	3					Pervasive oxidized Epy up to 2 mm.	5					
EC19-327	9.9	10.12	QV		Milk white massive quartz. Common hair thin fractures infilled with limonite. Also, contains vugs up to 1.5 cm infilled with dark brown-orange clay. Also, contains boxwork pyrite.	lim	Tr			Contains trace limonite that infills hairthin fractures.	N	EPy	0.5					Oxidized Epy up to 3 mm occurs along the margins of vugs.						
EC19-327	10.12	10.86	SCH-i		Medium green, planar foliated. Common pitting associated with weathered fine grained Epy.	lim	Tr	ser	Str	Pervasive moderate limonite that infills weathered out Epy cubes. Also, pervasive strong sericite alteration.	N	EPy	3					Pervasive oxidized Epy up to 4 mm	5					
EC19-327	10.86	11.25	QV		Massive milk white quartz. Common hair thin fractures infilled with limonite. Contains common vugs up to 1.5 cm that are infilled with limonite.	lim	Wk			Vugs that are up to 1.5 cm are commonly infilled with limonite.	N	EPy	0.2					Uncommon oxidized Epy at the margins of the vein.						
EC19-327	11.25	11.89	QAS		Medium green with an orange hue, and anastomosing foliation. Uncomon crenulation as well. Contains common 1 mm rounded blue quartz eyes.	lim	Mod	ser	Mod	Pervasive moderate limonite alteration and moderate sericite alteration.	N	EPy	3					Pervasive oxidized and fresh Epy up to 7 mm.	5					
EC19-327	11.89	12.27	QV		Massive milk white quartz. Occasional hair thin fractures infilled with chlorite and limonite. Uncommon vugs up to 1.5 cm. Occasional vugs have euhedral prismatic quartz extending into open space cavities. Contains abundant wall rock inclusions of strongly sericite altered SCH-i.	lim	Tr			Vugs and fractures are infilled with limonite.	N	EPy	1					Wall rock inclusions contain oxidized Epy up 7 mm.						
EC19-327	12.27	13.89	SCH-i		Medium green planar foliated. Local crenulation.	ble	Wk	chl	Tr	Possibly bleached at top of interval. Also contains fine grained chlorite lenses dispersed at the top of the interval. Bottom of interval also contains weak limonite.	N	EPy	2					Fresh and Oxidized Epy up 8 mm dispersed throughout the interval.	5					
EC19-327	13.89	14.15	QV		Massive milk white quartz. Contains vugs up to 2 cm infilled with limonite. Margins of quartz vein contain fractures that are also infilled with limonite. Bottom contact is sharp and planar. Vein also contains wall rock inclusions that are up to 5 cm large.	lim	Wk				N													
EC19-327	14.15	18.43	SCH-i		Medium green with a light orange hue. Possible thin SCH-m intervals near the top 2 m of the interval. Locally crenulated. Locally pitted along quartz veins. Contains	lim	Wk	carb	Wk	Weak pervasive limonite associated with quartz sweats and cross-cutting veins. Pervasive weak carbonate alteration, as well as carbonate patches associated within sweats. Carbonate alteration also strongest in quartz sweats.	N	EPy	1	Ep	2			Locally Epy can get up to 1%, closely associated to quartz veins. Mostly oxidized Epy up to 1 mm. Locally epidote can get up to 4% and mostly follows foliation.	10					
EC19-327	18.43	27.9	QAS		Medium green with a local light green hue. Planar well foliated. Contains uncommon dispersed blue quartz eyes up to 1 mm. Uncommon hairthin fractures are bleached, as well as adjacent wall rock.	carb	Wk	ble	Tr	Weak patchy carbonate alteration, typically associated with quartz sweats. Locally bleached in and around hairthin fractures. Trace MnO along quartz sweats and some cross-cutting quartz veins.	N	EPy	0.2	EPy	2			Dispersed Epy up to 1 mm. Typically dispersed over the entire interval.	10					
EC19-327	27.9	28.3	SCH-m		Black with a light blue and brown hue. Planar foliated with local crenulations. Contacts are sharp and planar. Commonly hair thin fractures are bleached.	carb	Wk	ble	Tr	Weak carbonate alteration in some hair thin fractures. Uncommonly, fractures are bleached as well as the adjacent wall rock.	N	EPy	0.2					Trace oxidized Epy up to 0.2 mm.	20					
EC19-327	28.3	31.25	QAS		Medium green with a local light green hue. Planar well foliated. Contains uncommon dispersed rounded blue quartz eyes up to 1 mm. Uncommon hairthin fractures are bleached, as well as adjacent wall rock.	ble	Wk	carb	Tr	Weak carbonate alteration in hair thin fractures. Also, carbonate patches at the bottom of the interval. Uncommonly, fractures and some intervals are bleached. MnO also occurs along sweats. Trace carbonate also occurs in fractures.	N	EPy	0.2					Trace oxidized Epy up to 0.2 mm.	20					
EC19-327	31.25	32.45	SCH-m		Black with a light blue hue. Sharp planar upper and lower contacts. Planar foliated with local crenulations.	lim	Wk	carb	Wk	Weak limonite associated with quartz sweats, but also dispersed into the wall rock.	N	EPy	1					Locally fresh Epy abundance can get up to 1% and up to 2 mm.	25					
EC19-327	32.45	37.05	QAS		Medium green with a local light green hue. Anastomosing planar foliation. Contains uncommon blue rounded quartz eyes up to 1 mm. Local 1 cm thin SCH-m intervals dispersed throughout interval.	chl	Wk	ser	Mod	Pervasive weak chlorite spots throughout interval. Pervasive moderate sericite alteration. Local abundant carbonate patches up to 2 mm.	N	EPy	0.2					Locally oxidized Epy up to 0.3 mm.	25					
EC19-327	37.05	37.6	SCH-m		Black with a light blue hue. Sharp upper contact gradational lower contact. Planar foliated with local crenulations.	lim	Wk	carb	Mod	Weak limonite alteration associated with quartz sweats and locally in wall rock. Pervasive moderat carbonate alteration.	N	EPy	0.5					Dispersed fresh very fine grained Epy.	15					
EC19-327	37.6	40.03	SCH-i		Medium green. Weakly foliated. Upper and lower contacts are sharp and planar. possible local thin interval of SCH-m at 39 m.	chl	Wk	carb	Wk	Weak chlorite alteration at top of interval, contains abundant chlorite lenses. Weak carbonate alteration dispersed throughout the interval. Locally carbonate alteration can be stronger. Calcite patches up to 3 cm occur within quartz sweats.	N	EPy	0.2					Local fresh Epy up to 2 mm. Epy mostly occurs in the possible SHC-m interval.	20					
EC19-327	40.03	42	SCH-f		Light sea green. Planar well foliated. Upper contact is sharp and lower contact is strongly faulted. Interval contains numerous hair thin fractures. Local pitting along fractures.	lim	Tr	carb	Wk															

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
EC19-328	2.5	11	SCH-i	SCH-ptm	Medium to dark green with a slight orange hue. Well foliated. Crenulation fabric gradually becomes more intense down hole. Crenulation fabric at bottom of hole contorts and shears quartz sweats.	chl	Mod	lim	Wk	Moderate pervasive chlorite lenses. Lenses are most abundant near the bottom portion of the interval. Minor limonite is associated with quartz sweats. Patchy carbonate throughout interval. Weak MnO along fractured surfaces along with string limonite alteration. Strong pervasive sericite alteration.	N	EPy	0.5					Fresh Epy up to 2. Abundance of Epy increases toward the bottom 2 m of the interval.	5						
EC19-328	11	13.7	QAS		Dark to medium green, planar well foliated. Pervasive crenulation fabric. Local 1 cm thin SCH-m. Contains locally abundant blue rounded quartz eye up to 1 mm. Local pitting and cm scale vugs associated with quartz veins.	chl	Mod	ser	Str	Abundant chlorite (typically less than 2 mm) lenses distributed throughout the interval. Local weak limonite associated near quartz sweats.	N	EPy	1	Ep	0.5			Pervasive fresh Epy up to 4 mm. Local patchy epidote.	10						
EC19-328	13.7	18.85	SCH-i		Medium to dark green. Planar foliated. Locally crenulated. Contains rare blue quartz eyes up to 1 mm. Uncommon vugs (up to 1 cm) and pitting. Typically associated with quartz sweats.	chl	Mod	carb	Tr	Abundant chlorite lenses distributed throughout interval. Uncommon carbonate stringers. Trace limonite associated with fractures and quartz sweats.	N	EPy	1	Ep	0.5			Pervasive fresh Epy up to 1.5 mm. Local patches or epidote up to 1 cm wide.	10						
EC19-328	18.85	20.65	QAS		Dark to medium green. Planar foliated with local crenulations. Contains locally abundant blue quartz eyes up to 2 mm. Decrease in quartz sweats from previous interval.	chl	Mod	ser	Str	Abundant chlorite lenses distributed throughout interval. Uncommon carbonate stringers. Trace limonite associated with fractures and quartz sweats. Pervasive strong sericite alteration.	N	EPy	0.2	Ep	0.5			Trace oxidized Epy up to 0.5 mm. Patches of epidote up to 2 cm distributed locally.	5						
EC19-328	20.65	31.6	SCH-i		Dark to medium green. Slightly wavy foliated. Pervasive crenulated. Foliation becomes progressively planar further down hole. Bottom contact is gradational.	chl	Mod	ser	Str	Abundant chlorite lenses distributed throughout the interval. Common carbonate and chlorite patches up to 1.5 cm. Also, contains carbonate stringers. Local bleaching at 27 - 27.50 m. Local limonite staining around quartz sweats.	N	EPy	0.5	Ep	1	Mag	2	Tarnished Epy up to 4 mm distributed throughout interval. Patchy epidote as well as epidote that runs parallel to foliation more abundant near the bottom of the interval. Local very fine grained magnetite at 28 - 28.20 m.	15						
EC19-328	31.6	44	SCH-f		Light green with local medium green intervals. Upper contact is gradational with upper SCH-i interval. Interval is pervasively planar foliated. Local fault at 35 - 36 m. Faulted interval is strongly oxidized to a beige brown and oxidized about 20 cm of wall rock surrounding the faulted interval. Contains a local SCH-i interval at 39 - 39.60 m. Interval also contains rare blue quartz eyes up to 1.5 mm. Bottom contact of interval is also gradational.	oxi	Mod	carb	Tr	Faulted interval is strongly oxidized to a beige brown and oxidized about 20 cm of wall rock surrounding the faulted interval. Trace carbonate in local patches. Trace chlorite patches commonly associated with carbonate patches.	N	EPy	0.5	Ep	0.5			Local oxidized Epy up to 3 mm dispersed throughout interval.	5						
EC19-328	44	46.2	SCH-i		Dark green-grey. Planar foliated with local crenulations. Upper and lower contact are gradational. Increase in foliiform quartz from the previous interval.	chl	Mod	lim	Tr	Moderate chlorite lenses distributed throughout the interval. Moderate local limonite associated with quartz sweats. Local carbonate stringers. Hair thin fractures are commonly bleached and bleach into surrounding wall rock.	N	EPy	1					Dispersed oxidized Epy up to 3 mm.	15						
EC19-328	46.2	50.9	SCH-f		Light green. Planar to locally wavy foliated. Upper contact is gradational. Increase in quartz sweats down hole. Local pitting around quartz sweats.	carb	Wk	mno	Tr	Patchy carbonate at the very top of the interval. As well as associated with quartz sweats. Trace MnO along fracture surfaces and within quartz sweats.	N	EPy	0.5	Ep	0.2			Dispersed oxidized and fresh Epy up to 4 mm throughout the interval.	20						
EC19-328	50.9	58.5	SCH-i	SCH-tec	Dark to medium green. Contorted and broken quartz bands. Local contorted and broken foliation. The upper 4 m of the interval is strongly tectonized as well as the bottom 1 m.	chl	Mod	carb	Mod	Strong carbonate alteration from 54 - 55 m. As well as abundant chlorite lenses from 51.60 to 52 m. Chlorite lenses are also abundant in the bottom 1 m. Uncommon carbonate stringers.	N	EPy	2	Ep	1			Common very-fine grained fresh Epy throughout the interval. Coarse Grained fresh Epy also present locally. Also contains oxidized Epy with some fresh Epy internal to the grain. Common epidote at the bottom 1 m of the interval.	20						
EC19-328	58.5	70.1	SCH-f		Light green and planar well foliated. Upper contact is gradational. Interval possible contains SCH-i at 61.5- 62.5 m. Quartz sweats increase in abundance further down hole. Some fractures contain carbonate as well as limonite.	carb	Wk	hem	Tr	Trace hematite at the bottom 0.4 m of the interval. Weak carbonate alteration around quartz sweats and quartz veins. Strong pervasive sericite alteration. Trace MnO along fractures. Strong sericite alteration throughout interval.	N														
EC19-329	1.45	31.35	SCH-i		Light to medium grey / blue with local darker grey / blue zones. These is no overburden in this hole. The core is a little broken up to 1.52 m but it is not rounded or re-drilled. This unit is weakly to moderately foliated but locally more fine grained and massive in nature. It is also locally crenulated - 40 degrees tca. Patchy sericite alteration along fracture surfaces occurring as coarse grained and silvery. There are abundant foliiform milky white quartz sweats throughout this interval. Carbonate alteration is occurring as cross cutting wispy stringers as well as patchy in more quartz rich zones. There is patchy chlorite (black to near black) blebs occurring along foliation. Patchy weak limonite (bronze brown in color) is occurring in this unit - locally pervasive. There is a zone of skeletal texture with light grey - green partings (20.10 - 22.30 m). Black MnO is coming in along fracture surfaces near the lower contact.	carb	Wk	lim	Wk	Carbonate - occurring as cross cutting stringers as well as patchy throughout. Limonite is locally pervasive patchy. MnO occurring along fracture surfaces near the lower contact.	N	EPy	0.3	Chl	1			Pyrite - euhebral, fresh, fine to medium grained, disseminated but as well as locally clustered together. Chlorite - occurring as blebs along foliation in local zones. As well as chlorite infilling fracture surfaces.	5						
EC19-329	31.35	36.7	SCH-f		Light to medium green SCH-f (similar to LS foot wall felsic). This unit is very fine grained and finely foliated but more massive in texture. Milky white quartz sweats are throughout this interval but are increasing in concentration after 33.37 m to end of interval. Small band of SCH-i intermixed with the SCH-f - 15 cm wide appearing very similar to above SCH-i. MnO and limonite are occurring along fracture surfaces. Carbonate occurring as cross cutting stringers. This unit has small rubble ones no bigger than 10 cm wide.	lim	Wk	carb	Tr	Limonite - occurring along fracture surfaces and locally along the foliation. Carbonate - occurring as wispy cross cutting stringers. MnO - occurring along fracture surfaces.	N	EPy	0.1					Pyrite - euhebral, completely oxidized, locally clustered together, fine to medium grained.	15						
EC19-329	36.7	38.2	SCH-i		A mixed transitional zone of SCH-f and SCH-i. The two units are intermixed. The SCH-f is the same as the previous unit (31.35 - 36.7 m). Light green in color while the SCH-i is medium grey - blue in color. The SCH-f is more finely foliated but the SCH-i is as foliated. See above description for SCH-f (31.35 - 36.7 m) and SCH-i (1.45 - 31.35 m).	carb	Str			Carbonate - is strong almost pervasive in the SCH-i but is only trace in the more SCH-f and is occurring as cross cutting stringers.	N	EPy	0.1					Pyrite - euhebral, fresh, fine to medium grained and locally clustered together in the SCH-i.	5						
EC19-329	38.2	42.4	SCH-m		A dark blue / grey SCH-m possibly a very dark SCH-i. Unit is well foliated throughout interval. Carbonate occurring as wispy cross cutting stringers as well as strong patchy alteration. This unit is more massive in nature and fine grained. Sericite alteration is occurring locally along fracture surfaces. This unit is locally crenulated spaced at 1 cm wide - 40 degrees tca.	carb	Str	lim	Tr	Carbonate - patchy strong as well as cross cutting stringers; Limonite occurring as patchy and trace.	N	EPy	0.1					Pyrite - euhebral, fresh (occurring at the upper contact) to completely oxidized, disseminated.	3						
EC19-329	42.4	46.65	SCH-i		Medium to dark grey / blue SCH-i (lighter in color than previous interval) potentially a bleached out SCH-m but appears a bit textually different as well. Unit is weakly foliated locally as well as crenulated - 30 degrees tca. Sericite alteration is occurring along fracture surfaces - as coarse grained silvery sericite - weak overall. Milky white foliiform quartz sweats are disseminated throughout this interval. Patchy strong carbonate alteration as well as a 3 cm wide carbonate bleb - bronze brown.	carb	Str	lim	Tr	Carbonate - strong patchy; Limonite - patchy trace	N	EPy	0.3					Pyrite - completely oxidized, medium to fine grained, disseminated and euhebral.	5						
EC19-329	46.65	51.95	SCH-i		Different in color than previous SCH-i. Medium brown / grey with a tinge of green. This unit is predominantly more fine grained and more massive in texture. Locally there is bleby chlorite occurring along foliation. There is patchy surcrosic texture starting at 48.90 m. Possible old mafic dyke (that has become conformable and a SCH-m) or a small slice of SCH-m mixed in the SCH-i (49.72 - 50.12 m). Patchy locally pervasive in the SCH-m or old dyke. Small fault that is predominantly gouge with small chips - 10 cm wide. Patchy locally pervasive limonite staining.	carb	Wk	lim	Wk	Carbonate - strong in SCH-m / old dyke? and trace every where else. Limonite - patchy locally pervasive.	N	EPy	0.1					Pyrite - completely oxidized, euhebral, fine to medium grained, and locally clustered together.	1						
EC19-329	51.95	52.7	QAS		Dark grey, fine grained and more massive in nature with the addition of blue quartz eyes. The blue quartz eyes range in size from 1 - 2 mm in size and are circular in nature. The concentration of BQEs are up to 10%. Patchy limonite staining occurring at the upper contact and lower contact. Locally weakly crenulated - 30 degrees tca. This unit is strongly carbonate altered - patchy.	carb	Str	lim	Wk	Carbonate - strong patchy; Limonite - occurring at the upper and lower contacts.	N	EPy	0.3					Pyrite - euhebral, fine grained, disseminated and completely oxidized.	1						
EC19-329	52.7	57.75	SCH-i		Medium to dark grey with a blue tinge. This unit is faulted at the lower contact. There was a loss of 0.5 m over this interval. Unit is weakly foliated locally but is more fine grained and massive in nature. This unit is also weakly crenulated locally - 25 degrees tca. At the upper contact we see pervasive limonite staining and then again at the lower contact in the fault along fracture surfaces. In this unit we see surcrosic texture occurring in the middle of the interval. Milky white quartz sweats are foliiform but have dull black to brown MnO staining inside the veins. This unit has a few blue and white quartz eyes occurring in this interval as well in much smaller concentrations than above QAS.	lim	Mod	mno	Wk	Limonite - moderate and locally pervasive at upper contact. MnO - occurring in quart sweats predominantly but as well as along local fractures.	N	EPy	0.3					Pyrite - euhebral to subhedral, fine to medium grained, completely oxidized and disseminated.	8						
EC19-329	57.75	73.35	SCH-m	SCH-lam	Light grey to dark grey almost black SCH-m with a laminated texture with bands of light grey and dark grey. This unit is finely laminated becoming more deformed as we go down interval. Locally crenulated - 50 degrees tca occurring near the lower contact. There looks like a possible shear (the development of C - S fabric??) at 66.84 to 67.45 m. Appears crenulated but the fabric is thick and wider - looks similar to EC19-267. Throughout most of this unit there is faulting with rubble and mixed gouge. A total loss of 2.05 m occurs over this interval. There is patchy limonite staining that occurs in the fault zones or near the fault zones. Patchy coarse grained silvery sericite predominantly occurring along fracture surfaces.	lim	Wk	carb	Mod	Limonite - patchy locally pervasive and stronger near or in faults; Carbonate varies in intensity dependent on location. Sericite occurring as coarse grained and silvery on fracture surfaces.	N	EPy	0.5					Pyrite - fine to medium grained, fresh as well as completely oxidized, euhebral to sub hedral, and locally clustered.	3						
EC19-329	73.35	76.8	SCH-i		Light to medium grey and locally rusty orange. This unit is predominantly pervasively limonite stained until - 76 m where it becomes patchy. Locally crenulated - 25-30 degrees tca. Local patchy carbonate alteration.	lim	Str	carb	Wk	Limonite - locally pervasive and becoming patchy after 76 m. Carbonate - locally patchy.	N	EPy	0.5					Pyrite - euhebral, partially to completely oxidized, fine to coarse grained (coarse grained occurring at the upper contact and then as we go down interval it switches to fine grained).	3						
EC19-329	76.8	80.77	SCH-m		ark grey with a blue tinge SCH-m. Gradational upper contact grading from the SCH-i to the SCH-m. Patchy limonite locally pervasive. Patchy white carbonate blebs are disseminated throughout this interval. Unit is locally finely foliated but more massive in nature. This unit has patchy sericite alteration occurring as coarse grained and silvery along foliation as well as locally pervasive - 79.10 - 79.25 m. Patchy rubble zones up to 10 cm wide with a total loss of 0.40 m. E.O.H.	ser	Wk	carb	Mod	Sericite along fracture surfaces as well as locally pervasive. Carbonate - patchy white blebs. Limonite - moderate, occurring as locally pervasive and patchy.	N	EPy	0.1					Pyrite - euhebral, fine grained, completely oxidized, and disseminated.	1						
EC19-330	0	2.8	OVB		Rounded, re-drilled core with milky white quartz - 20%.						N														
EC19-330	2.8	5.5	SCH-m	SCH-lam	Medium to dark grey SCH-m with a finely laminated texture. Unit is well foliated with a general foliation of 40 to 50 degrees tca. The first 12 cm of core was ground and re-drilled (smaller than normal diameter). Patchy epidote blebs occurring at the lower contact (5.15 to 5.5 m). Patchy trace coarse grained silvery sericite alteration occurring predominantly at the upper contact of this unit. Patchy limonite occurring in bands locally pervasive as well as occurring along fracture surfaces. Gradational lower contact with SCH-i.	lim	Mod	carb	Tr	Limonite - occurring as patchy bands with locally pervasive. Carbonate - patchy trace occurring as white blebs in quartz rich lenses predominantly.	N	EPy	1	Ep	0.3			Pyrite - fresh to partially oxidized, euhebral to sub hedral, fine to medium grained, as we go down interval the concentration of pyrite increases.	3						
EC19-330	5.5	22.8	SCH-i		Light to medium grey at the start of the interval and then we see a change (~8.70 m to medium to dark green / blue. There is also local patchy bronzey brown color due to pervasive limonite staining. Unit is well foliated throughout most of interval. As well as local crenulations - 35 degrees tca. We see the appearance of blue and white quartz eyes at 9.55 m but in too small of a concentration that I did not split out this occurrence as a unit of QAS. The quartz eyes range in size 1 - 2 mm wide and are circular in shape. This unit has some patchy faulting with small rubble zones. A total loss of 0.65 m of core over this interval but we also have a block error with too much core in between a few runs. Carbonate alteration is occurring as cross cutting stringers. There is an alteration? possibly sericite occurring as white / silvery partings along foliation. This alteration is coming in around 19 m to the end of the interval. The alteration gets stronger as we go down interval. Gradational lower contact with SCH-m. There is some patchy trace blebby epidote occurring at the lower contact. Limonite staining is locally pervasive as well as along fracture surfaces.	lim	Wk	carb	Tr	Limonite - patchy and locally pervasive. Carbonate - occurring as cross cutting stringers as well as patchy.	N	EPy	0.1	Ep	0.1				Pyrite - completely oxidized, local concentrations, euhebral, medium grained and disseminated. Epidote - blebby occurring at the lower contact, trace.	2					
EC19-330	22.8	28.4	SCH-m		Dark grey with a blue tinge with local patches of a light to medium grey - green. This zone appears to be a mixed zone of SCH-m with SCH-i and transitioning at the lower contact to a SCH-f (similar to the foot wall felsic at LS). Unit is foliated throughout most of the unit. Carbonate is occurring as cross cutting wispy stingers as well as patchy. Epidote is occurring along fracture surfaces as well as bleby. Limonite is occurring as patchy stains. Lower contact with SCH-i is gradational. Locally crenulated - 40 degrees tca.	lim	Wk	carb	Tr	Limonite - patchy; Carbonate - occurring as wispy cross cutting stringers as well as patchy.	N	EPy	0.1	Ep	0.1			Pyrite - fresh, medium grained, multi-generational, euhebral, and occurring predominantly at the upper contact and then seems to disappear.	4						
EC19-330	28.4	36.65	SCH-f		Medium green and very fine grained and locally semi-massive in texture. This unit weakly foliated. After 31.40 m there is the addition of milky white foliiform quartz sweats - disseminated throughout this interval. Up to 8 cross cutting QV's in this unit. At the lower contact of this unit we see rubble and broken core. 0.2 m of core loss over this interval. Black MnO coming in along the foliiform quartz sweats. Patchy limonite is coming in along fracture surfaces.	lim	Wk	mno	Wk	Limonite - coming in along fracture surfaces; MnO coming in along quartz sweats.	N	EPy	0.1					Pyrite - euhebral, completely oxidized, medium to coarse grained, locally clustered at the lower contact.	20						
EC19-330	36.65	60.65	SCH-i		Light to medium grey with tan zones locally. Unit is foliated but locally not discernible. Milky white sweats are locally concentrated as well as disseminated. There is a higher concentration of the quartz sweats 41.15 to 43.0 m. Locally crenulated - 50 degrees tca. Unit is faulted locally with a total loss of 2.0 m. This unit has patchy black chlorite blebs occurring along foliation. Unit is locally almost semi massive in texture - 47.25 - 49.40 m. In this sub interval is also a light olive green in color and skeletal texture with the same alteration? as the previous SCH-i with tan/ creamy partings along foliation. Patchy pervasive limonite staining is occurring throughout this unit.	lim	Mod	carb	Mod	Limonite patchy pervasive; Carbonate - patchy with differing intensities dependent on location.	N	EPy	0.1	Chl	3			Pyrite - euhebral to sub hedral, completely oxidized, locally clustered together. fine to medium grained.	5						
EC19-330	60.65	67.4	SCH-m	SCH-lam	Medium to dark grey SCH-m with a deformed SCH-lam texture. The laminations are fine. Gradational contact with lower SCH-m / SCH-tec. Patchy limonite staining is locally pervasive. Carbonate alteration is patchy blebby as well as occurring as wispy cross cutting stringers. There is a large local concentration of pyrite occurring at the upper contact of a quartz vein or sweat? up to 6%. Unit is locally crenulated - 60 degrees tca.	carb	Str	lim	Mod	Carbonate - patchy blebby as well as occurring as cross cutting stringers. Limonite - patchy and locally pervasive.	N	EPy	0.3					Pyrite - euhebral, medium to coarse grained, fresh to partially oxidized to completely oxidized, and locally clustered together. Locally up to 6% at upper contact of quartz sweat or vein.	3						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
EC19-330	67.4	105	SCH-m	SCH-tec	Dark grey to black matrix with medium to light grey quartz rich layers floating in this matrix. This unit is variably tectonized and appears to be sheared. There are rubble zones in this unit with a total loss of 2.15 m. This unit has patchy sericite alteration occurring as coarse grained silvery sericite. This sericite alteration is becoming stronger around 87.65 m. This unit has milky white quartz sweats / veins ranging in size but predominantly larger than 10 cm wide. This unit also has abundant pyrite - medium to coarse grained, fresh, to partially oxidized to fully oxidized dependent on location, euhedral as well as multi-generational. Pyrite is up to 8%. This unit has patchy locally pervasive limonite staining.Potential development of a C-5 fabric? appears to be more than just crenulations and aren't evenly space as crenulations are. Carbonate alteration is patchy and throughout in the more quartz rich lenses. This interval also has local concentrations of magnetite. The lower contact is faulted and rubbled.	lim	Mod	carb	Mod	Limonite - patchy and locally pervasive. Carbonate patchy occurring in more quartz rich lenses.	N	EPy	4		Mag	0.1				Pyrite - euhedral, fresh to partially oxidized to completely oxidized, fine to medium to coarse grained, multi - generational, and disseminated.	3				
EC19-330	105	109.1	SCH-i		Light to medium grey with a tan / light rusty orange. This unit is a transition zone between the SCH-m with SCH-tec texture and the SCH-f below. This unit is well foliated finely. There are also minor blue quartz eyes but not in high enough concentrations to be called a QAS. There are wispy carbonate cross cutting stringers occurring throughout this interval as well as patchy and blebby. There are 2 cm wide breccia zones with milky white, angular quartz floating in a dark green matrix - 105.34 - 105.38 m. There is also another small breccia zone at 107.50 - 107.57 m. Plus there is minor gouge in this lower breccia. The lower contact is sharp with the below SCH-f. Patchy limonite is locally pervasive (light rusty orange in color).	lim	Mod	carb	Mod	Limonite - patchy and locally pervasive. Carbonate - occurring as cross cutting stringers as well as patchy.	N	EPy	0.1							Pyrite - euhedral, fine to medium grained, locally clustered together, and fresh.	5				
EC19-330	109.1	113.1	SCH-f		Medium green fine grained and semi-massive in nature. Unit is weakly foliated. There are disseminated white quartz porphyroblasts (WQE's) that range in size from 1 - 4 mm wide. Most of these porphyroblasts are circular in shape but some are latch shaped (feldspars). These porphyroblasts disappear after 112.40 m. Carbonate alteration is occurring as cross cutting wispy stringers. There is also weak limonite coming along fracture surfaces. The lower contact is sharp but appears to also be a SCH-f just not the classic SCH-f we usually see. At the lower contact we also see an alteration or bleaching (112.75 - 113.1 m).	carb	Tr	lim	Tr	Carbonate - occurring as cross cutting stringers; Limonite - coming in along fracture surfaces.	N	EPy	0.1							Pyrite - fine grained, partially oxidized, euhedral to sub hedral, locally clustered, appears to be along foliation.	2				
EC19-330	113.1	118.6	SCH-f		Light to medium grey with abundant milky white quartz sweats. These sweats are deformed and twisted and broken. The lower contact is gradational with below SCH-f (more classic SCH-f). There are small bands of classic SCH-f occurring in this non traditional SCH-f. The unit appears to have very weak SCH-tig texture. This unit has cross cutting carbonate stringers.	carb	Tr			Carbonate - occurring as wispy cross cutting stringers.	N	APy	0.1						Pyrite - fine to medium grained, fresh, anhedral, locally clustered together.	15					
EC19-330	118.6	123.44	SCH-f		Light to medium green (similar to the FWF of LS), fine grained and semi massive in texture. This unit is weakly foliated throughout this interval. Milky white and glassy grey quartz sweats are disseminated over this interval. This unit has a skeletal texture that is patchy. Carbonate occurs as wispy cross cutting stringers. Limonite occurs as local pervasive and patchy. E.O.H.	carb	Tr	lim	Wk	Carbonate - occurring as cross cutting stringers. Limonite - patchy and local pervasive.	N	EPy	0.1						Pyrite - fine grained, fresh, euhedral and disseminated.	5					
EC19-331	0.75	1	OVB		SCH-i rounded rubble averaging ~3 cm in width.	lim	Wk	ser	Mod	Rubble contains slightly more limonite than the lower interval and is pervasively moderate altered.	N														
EC19-331	1	4.9	SCH-i		Medium green planar well foliated. Local crenulation fabric.	carb	Wk	ser	Mod	Contains local ankarite associated near Qv and within quartz sweats. Pervasive sericite alteration.	N	EPy	0.5						Dispersed oxidized Epy up to 3 mm.	10					
EC19-331	4.9	5.1	QV		Milk white quartz vein rubble. Vein material contains numerous hair thin fractures that are infilled with limonite. Contains boxwork pyrite. Sharp serrated planar contacts.	carb	Wk	lim	Tr	Contains trace pyrite within in hairthin fractures. Also contains weak carbonate patches.	N	EPy	0.2						Contains trace oxidized Epy along vein margins.						
EC19-331	5.1	5.9	SCH-i		Medium green. Planar well foliated. Locally crenulated.	lim	Tr	carb	Tr	Trace carbonate stringers, as well as ankarite filled fractures. Dispersed limonite throughout the interval.	N	EPy	2						Oxidized Epy up to 6 mm, occurs closely associated with QV.	2					
EC19-331	5.9	6.12	QV		Milk white quartz rubble interval. Sharp planar, serrated contacts. Contains numerous hair-thin fractures infilled with MnO. Contains elongate vugs 0.5 x 3 cm. Euhedral quartz crystals extend into open space of vugs. Quartz vein also occurs within fault zone.	lim	Wk	mno	Wk	Fracture surfaces are lined with limonite and dendritic MnO. Vugs are also pervasively filled with limonite.	N	EPy	0.2						Quartz vein margins are lined with oxidized Epy up to 3 mm.						
EC19-331	6.12	8.3	SCH-i		Medium green. Planar foliated. Interval is faulted and contains rubble intervals, as well as 0.8 m of core loss. Local pitting along quartz sweats. Locally crenulated.	lim	Wk	mno	Tr	Fracture surfaces are lined with limonite and dendritic MnO.	N	EPy	0.5						Contains oxidized Epy that gets up to 3 mm. Dispersed through out the interval.	10					
EC19-331	8.3	8.5	QV		Milk white quartz rubble interval. Contains numerous hair-thin fractures infilled with MnO and limonite. Contains vugs up to 0.5 x 1 cm. Euhedral quartz crystals extend into open space of the vug.	lim	Wk	mno	Tr	Fracture surfaces are lined with limonite and dendritic MnO. Vugs are also pervasively filled with limonite.	N	EPy	0.2						Quartz vein margins are lined with oxidized Epy up to 2 mm.						
EC19-331	8.5	9.14	SCH-i		Medium green. Planar foliated. Local pitting along quartz sweats. Contains, local, 1 cm thick chlorite bands.	lim	Wk	ser	Mod	Pervasive moderate limonite parallel to foliation. Moderate pervasive sericite alteration.	N	EPy	3						Locally up to 3% oxidized Epy up to 4 mm. Also contains abundant fine grained oxidized Epy throughout the interval.	5					
EC19-331	9.14	9.67	QV		Milk white massive quartz vein material. Contains vugs up to 2 x 2 cm. Vein margins are sharp and are pervasively pitted. Veins also contains thin fractures filled with chlorite.	lim	Str			Locally the quartz vein margins, as well as within vugs are strongly altered with limonite.	N	EPy	0.2						Locally, vugs contain oxidized Epy up 2 mm and along vein margins.						
EC19-331	9.67	14	SCH-i		Medium green. Planar foliated. Local pitting along quartz sweats. Contains 1 cm thick chlorite bands. Locally pitted at the bottom of the interval.	lim	Tr	ser	Mod	Pervasive moderate limonite parallel to foliation. Moderate pervasive sericite alteration.	N	EPy	1						Locally up to 1% oxidized Epy up to 3 mm. Also contains fine grained oxidized Epy dispersed throughout the interval.	10					
EC19-331	14	14.5	QV		Milk white massive quartz vein material. Bottom vein margin is sharp and planar. Vein is also pervasively fractured and infilled with abundant limonite and MnO.	lim	Mod	mno	Wk	Abundant fractures are infilled with limonite and MnO.	N	EPy	0.5						Local oxidized Epy along the vein margin.						
EC19-331	14.5	14.9	SCH-i		Medium green. Planar foliated. Local pitting along quartz sweats and veins.	lim	Tr	ser	Mod	Pervasive moderate limonite parallel to foliation. Moderate pervasive sericite alteration.	N	EPy	1						Locally up to 1% oxidized Epy up to 3 mm. Also contains fine grained oxidized Epy dispersed throughout the interval.	5					
EC19-331	14.9	15.13	QV		Milk white massive quartz vein material. Bottom vein margin is sharp and planar. Vein is also pervasively fractured and infilled with abundant limonite and MnO.	lim	Mod	mno	Wk	Abundant fractures are infilled with limonite and MnO. Vein margins are also lined with abundant limonite.	N	EPy							No mineralization						
EC19-331	15.13	16.43	SCH-i		Medium green. Planar foliated. Local pitting along quartz sweats and veins. Increase in quartz sweats from previous SCH-i interval.	lim	Tr	chl	Tr	Pervasive moderate limonite parallel to foliation. Moderate pervasive sericite alteration. Few fractures infilled with limonite. Also contains a thin 1 cm interval quartz sweat that contains chlorite lenses up to 3 mm.	N	EPy	0.5						Dispersed 0.5% oxidized Epy up to 2 mm.	15					
EC19-331	16.43	16.64	QV		Milk white massive quartz vein material. Sharp upper and lower vein margins. Vein contacts are are irregular and wavy. Vein is also pervasively fractured and infilled with trace limonite and MnO. Possible quartz sweat.	lim	Tr	chl	Tr	Abundant fractures infilled with limonite and MnO.	N								No mineralization						
EC19-331	16.64	16.98	SCH-i		Medium green. Planar foliated. Local pitting along quartz sweats and veins. Increase in quartz sweats from previous SCH-i interval.	lim	Tr	mno	Tr	Pervasive moderate limonite parallel to foliation. Moderate pervasive sericite alteration. Few fractures infilled with limonite.	N	EPy	0.5						Dispersed 0.5% oxidized Epy.	5					
EC19-331	16.98	17.23	QV		Milk white massive quartz vein material. Sharp upper and lower vein margins. Vein contacts are are irregular and wavy. Vein is also pervasively fractured and infilled with trace limonite and MnO. Possible quartz sweat. Also contains wall rock inclusions up to 1 x 6 cm.	lim	Tr	mno	Tr	Abundant fractures infilled with limonite and MnO. Contacts are also lined with imonite and MnO.	N								No mineralization						
EC19-331	17.23	20.4	SCH-i		Medium green. Upper 2 m of interval are planar foliated. Bottom portion of the interval is contorted to tectonized. Thin (1 cm) basaltic intrusion at the bottom 0.2 m of the interval.	lim	Mod	chl	Tr	Pervasive moderate limonite parallel to foliation. Moderate sericite alteration. Trace chlorite lenses concentrated around veins.	N	APy	0.2						Dispersed 0.2% Anhedral Epy.	5					
EC19-331	20.4	22.05	Lamp		Black. Sharp upper and lower contacts. Possibly augite (up to 2 mm) phyruc. Very fine grained dark grey matrix. Contains several carbonate stringers.	lim	Tr	carb	Tr	Limonite and carbonate infill fractures. Trace MnO also infills fractures.	N	APy	0.5	Ep	0.2				Local fresh anhedral pyrite. Contains trace patchy epidote within and around patchy carbonate stringers.	0					
EC19-331	22.05	22.8	SCH-i	SCH-tec	Light tan to grey green. Sharp upper and lower contacts. Lower contact is brecciated. Foliation is tectonized and highly broken throug out interval. Possible rare blue quartz eye, but could be a fine grained quartz boudin. Thin (1mm) intervals of clay infilled fractures. Clay intervals occur closest to lower contact. Locally pitted. Lower contact has numerous fractures extending into this SCH-i interval. Fractures are hairthin and bleached.	ble	Mod			Interval could be pervasively bleached.	N	APy	0.2						Local fine grained APy.	5					
EC19-331	22.8	29.67	Lamp		Light tan to grey green. Sharp upper and lower contacts. Contacts are brecciated. Black. Sharp upper and lower contacts. Possibly augite (up to 2 mm) phyruc. Very fine grained dark grey matrix. Contains several carbonate stringers. Also contains several amygdules filled with calcite. Contains a thin breccia interval at 25.25 with abundant clay. A thin SCH-i breccia interval also occurs from 28.40 to 28.88. Chilled margin at 29.70 - 29.80 m. Interval is also faulted in the upper 3 m.	carb	Str	oxi	Mod	Interval contains abundant carbonate stingers and is also pervasively patchy carbonate altered. Interval is also pervasively oxidized and fracture surfaces are lined with limonite. Few chlorite stringers occur near 1 m of the bottom interval. Local hematite staining occurs within the bottom 1 m of the interval.	N								No visible mineralization.	0					
EC19-331	29.67	32.6	SCH-i	SCH-tec	Light tan to grey green. Sharp upper and lower contacts. Lower contact is highly brecciated and contains abundant fault gouge in the upper 1.1 m of the interval. Foliation is tectonized and highly contorted throughout the interval. Thin (1 cm) infilled slip surfaces. Clay intervals occur closest to the upper contact. Locally pitted.	carb	Tr			Local trace carbonate alteration.	N	EPy	0.2						Trace oxidized Epy.	10					
EC19-331	32.6	40.47	SCH-f		Light green. Planar well foliated. Lower contact is faulted and consists of gouge and rubble. Several hair thin carbonate stringers through out the interval.	carb	Tr	mno	Wk	Trace carbonate infill thin fractures. Weak MnO occurs along fractures planes.	N	EPy	0.2						trace oxidized epy occurs locally.	5					
EC19-331	40.47	44.9	SCH-i		Sea green. Sharp upper and lower contacts. Lower contact is brecciated and contains minor amount of fault gouge. Foliation is planar. Several fractures occur through out the interval. Clay intervals occur closest to the upper contact. Locally pitted. Orange possible clay??? infills quartz sweat pits and voids from 44.68 - 44.75 m	carb	Tr	chl	Tr	Trace carbonate throughout the interval and within the fractures. Trace patchy chlorite occurs dispersed throughout the interval. Weak limonite throughout the entire interval.	N	EPy	0.2	Ep	1				Trace oxidized Epy up to 2 mm wide. Local patches of epidote up to 2 x 1 cm.	5					
EC19-331	44.9	47.24	SCH-f		Light sea green. Planar well foliated. Few hair-thin fractures dispersed through out interval. Fractures infilled with possibly chlorite	carb	Wk	chl	Tr	Pervasive carbonate throughout entire interval and occurs as stringers. Trace chlorite occurs within fractures at bottom of interval. Trace limonite and MnO along fractured surfaces as well.	N	APy							No visible mineralization.	5					
EC19-332	1.3	6.7	SCH-i		Brownish, muddy looking Sch-i with lots of partially brecciated sweats. Brecciation increases downhole to 6.7m where it becomes cataclastite, like in hole 321. Unit is also fine grained and resembles sch-f similar to 321. Weathered cubic pyrite is rare, but ubiquitous throughout. Carb is ubiquitous, but fades to trace near lower contact.	carb	Str			Carb is ubiquitous, but fades to trace near lower contact.	N	EPy	0.1						Weathered cubic pyrite is rare, but ubiquitous throughout.						
EC19-332	6.7	9.14	SCH-i	Other	Cataclastic unit, of healed brecciation, similar to near bottom of hole 321. Py is present in .5% amount, with only minor carb.	carb	Tr			only minor carb.	N	EPy	0.5						Py is present in .5% amount						
EC19-333	0	3.05	OVB		3.05m casing, rubble zone.						N														
EC19-333	3.05	23.25	SCH-m		dark grey-black																				

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
EC19-334	16.75	32.5	SCH-i		Light grey blue grading to a grey green SCH-i. This unit seems to have abundant epidote alteration that is going along foliation. This unit is well foliated throughout this interval and locally crenulated - 13 degrees tca. There is a gradational lower contact with SCH-m. Patchy biotite alteration occurring along foliation.	carb	Tr	bio	Tr	Carbonate - patchy in quart rich lenses. Biotite - along foliation, patchy.	N	EPy	0.1	Ep	20			Pyrite - euhedral, fresh to partially oxidized to completely oxidized, medium to coarse grained.	1					
EC19-334	32.5	34.55	SCH-m		Dark green SCH-m with a gradational upper contact and a sharp lower contact with SCH-i. This unit is well foliated throughout the interval. This unit also has some biotite alteration coming in along foliation. We also see epidote alteration coming in along fracture surfaces and carbonate. There is also patchy limonite staining the quartz sweats. There are disseminated milky white quartz sweats in this unit.	bio	Mod	lim	Tr	Carbonate - patchy as well as cross cutting stringers; Limonite - staining quartz sweats. Biotite - patchy occurring along foliation.	N	EPy	0.1	Ep	3			Pyrite - euhedral, fresh and completely oxidized, fine to medium grained, locally clustered together.	8					
EC19-334	34.55	36.55	SCH-f		A small slice of SCH-f or could be a more silicified SCH-i. There is a gradational upper contact with the SCH-m above that appears to be more SCH-i. Light grey at the upper contact and then changing to a pale green. This unit is semi-massive in nature and is weakly foliated. There is a small rubble zone at the end of this unit with 0.55 m of core loss. Limonite and MnO coming in along fracture surfaces.	mno	Wk	lim	Wk	Limonite and MnO coming in along fracture surfaces.	N									5				
EC19-334	36.55	43.8	SCH-i		Light to medium grey with a green tinge SCH-i that grades into a SCH-m at the lower contact. Unit is moderately foliated throughout. This unit has milky white quartz sweats throughout this interval with brown/black MnO coming in and staining them as well as limonite. Epidote is coming in along fracture surfaces. Carbonate is occurring in the quartz sweats as well as cross cutting carbonate stringers. This unit also has a few blue quartz eyes. There are circular in shape and are 2 mm wide.	carb	Mod	mno	Wk	Carbonate - patchy; MnO - coming in on quartz sweats.	N	EPy	0.1	Ep	0.5			Pyrite - euhedral to sub hedral, completely oxidized, disseminated, fine to medium grained.	10					
EC19-334	43.8	52.1	SCH-m		Dark grey - green and locally light grey. In these lighter grey zones could be due to bleaching and alteration or could be small bands of SCH-i. In these light grey zones we also see patchy hematite. Unit is well foliated throughout interval and is locally crenulated - sub parallel tca. Patchy carbonate and limonite alteration is occurring throughout. Carbonate occurs as cross cutting wispy stringers as well. Epidote is blebby as well as occurring as fracture fill. This unit also has a 1.29 Mag sus hit at 45 m but no magnetite is visible in this area.	carb	Mod	hem	Tr	Carbonate - patchy as well as occurring as wispy cross cutting stringers; Hematite - occurring in these lighter colored zones as patchy; Limonite is patchy.	N	EPy	0.1	Ep	1			Pyrite - euhedral, fine to medium grained, fresh till about 51 m and then after this point it comes completely oxidized, the pyrite occurs clustered together in bands along foliation as well as more disseminated.	3					
EC19-334	52.1	56.55	SCH-i		Grey with an olive green tinge unit is almost semi-massive in texture. This unit is foliated throughout as well as locally crenulated - 20 degrees tca. Milky white quartz sweats are concentrated in the upper half of the interval. These sweats are stained with MnO and limonite and have patchy carbonate alteration. Epidote is coming in along fracture surfaces as well as blebby and disseminated. There is patchy limonite occurring in this interval. There is also a patchy skeletal texture with silvery white partings along foliation. This unit has two blue quartz eyes occurring together, that are circular in shape and are	carb	Mod	lim	Wk	Carbonate - patchy and locally concentrated; Limonite - patchy and locally pervasive.	N	EPy	0.1	Ep	3			Pyrite - euhedral to sub hedral, completely oxidized, fine to medium grained, disseminated.	6					
EC19-334	56.55	58.55	SCH-f		Light green and semi massive in texture. This SCH-f is similar to the foot wall felsic at LS. This unit is foliated throughout. The lower contact with SCH-m is sharp changing to a dark grey almost black. Black MnO comes in almost dendritic like locally.	mno	Wk	lim	Wk	MnO - coming in along fracture surfaces	N	EPy	0.1					Pyrite - euhedral, completely oxidized, fine to medium grained and clustered together.	10					
EC19-334	58.55	71.3	SCH-m	SCH-lam	Dark to medium grey SCH-m with a SCH-lam like texture (It is not as finely laminated as normal. At 62.45 m we see a banded / laminated texture of light and dark grey bands. This unit is locally crenulated - 10 degrees tca. The foliation in this unit is locally pulled sub parallel at 63.65 to 64.0 m, 65.0 to 65.5 m, and 66.80 to 67.20 m. This unit has several cross cutting QV's ~ 10. This unit has patchy bleby epidote as well as occurring along fracture surfaces. This unit has patchy limonite staining and is locally pervasive.	lim	Mod	carb	Tr	Limonite - occurring as patchy and locally pervasive. Carbonate - patchy occurring predominantly at the upper contact.	N	EPy	0.5	Ep	1			Pyrite - euhedral, fresh to partially oxidized to completely oxidized, locally clustered together, fine to medium grained.	3					
EC19-334	71.3	75.05	SCH-i		Light grey to light rusty orange SCH-i. This unit has multiple rubble zones with a total loss of 0.5 m over this interval. Unit is weakly foliated and is locally crenulated - sub parallel tca. This unit has abundant pyrite after ~72 m up to 5%. Limonite staining is patchy but locally pervasive.	lim	Str	carb	Wk	Limonite - patchy and locally pervasive; Carbonate - strong at the upper contact and then dissipates as we go down interval.	N	EPy	5					Pyrite - euhedral, medium to coarse grained, completely oxidized, and disseminated.	1					
EC19-334	75.05	81.9	SCH-f		Medium green / grey SCH-f that is possibly a silicified SCH-i due to the abundant amount of quartz veins. The unit is foliated throughout. Limonite is patchy pervasive. There is a patchy skeletal texture with silvery partings along foliation. This unit has disseminated milky white quartz sweats stained with black MnO coming in along fracture surfaces and patchy carbonate alteration.	lim	Mod	mno	Tr	Limonite - patchy and locally pervasive; MnO - coming in along fracture surfaces - dendritic; Carbonate - patchy in QV's as well as cross cutting stringers.	N	EPy	0.3					Pyrite - euhedral, fine to medium grained, locally clustered together between quartz veins, and completely oxidized.	5					
EC19-334	81.9	84	SCH-i		Light to medium grey SCH-i with a gradation upper contact with SCH-f and a sharp contact with the below QAS. Patchy and locally pervasive limonite staining predominantly occurring at the upper contact and lessening as we go down interval. Patchy blebby epidote alteration as well as occurring along fracture surfaces. Unit is weakly foliated throughout interval. Patchy coarse grained silvery sericite occurring predominantly at the lower contact. Patchy carbonate alteration.	lim	Wk	carb	Wk	Limonite - patchy and locally pervasive; Carbonate - patchy.	N	EPy	0.1	Ep	0.1			Pyrite - euhedral, fine grained, disseminated and fresh.	5					
EC19-334	84	85.25	QAS		Medium grey QAS similar in lithology to above SCH-i but with the addition of blue quartz eyes. The quartz eyes are circular and range in size from 1 - 2 mm wide and are disseminated along this unit but occur in smaller concentrations at the upper and lower contacts ~ 3% overall. Unit is weakly foliated throughout interval. Patchy epidote is occurring along fracture surfaces.	lim	Tr	sil	Mod	Limonite - patchy; Silicified - moderate pervasive.	N	APy	0.1	Ep	0.5			Pyrite - anhedral, fine grained, fresh, locally clustered together near quartz sweats.	8					
EC19-334	85.25	96.65	SCH-i		Medium to light grey SCH-i with sharp upper and lower contacts. In the middle of the unit there is a higher concentration of quart sweats. Foliation is fairly shallowly dipping throughout most of this interval as well as deformed. There is dropped core in this interval with ground and re-drilled core (92.96 - 94.49 m) with a loss of 0.7 m. There is a local concentration of blue quart eyes clustered together at 87.39 - 87.50 m. Patchy epidote alteration. Carbonate occurring as cross cutting wispy stringers locally. Patchy and locally pervasive limonite alteration.	lim	Mod	carb	Tr	Limonite patchy and locally pervasive; Carbonate patchy as well as occurring as cross cutting stringers.	N	EPy	0.1	Ep	0.5			Pyrite - euhedral, multi-generational, fresh, coarse grained and local concentrated in the lower quarter of this interval.	10					
EC19-334	96.65	103.65	SCH-m		Medium to dark grey with patchy laminated texture of medium grey bands and dark grey bands. Sharp upper and lower contacts. Locally well foliated but in other parts of this interval foliation is obscured. Locally well crenulated - 15 degrees tca. Patchy coarse grained silvery sericite occurring along fracture surfaces predominantly. Local fold nose at 99.24 - 99.30 m. Patchy carbonate becoming strong at 100.30 - to end of interval at 103.65 m). In this interval carbonate appears blebby and white disseminated over this interval. Also carbonate alteration is occurring as cross cutting carbonate stringers. Weak limonite appears to be coming along fracture surfaces and is locally pervasive in these areas.	carb	Str	lim	Tr	Carbonate - patchy strong also occurring as cross cutting stringers; Limonite patchy coming in along fracture surfaces and locally pervasive in these zones.	N	EPy	0.1					Pyrite - euhedral, medium to fine grained, fresh, and locally clustered together.	2					
EC19-334	103.65	124.9	SCH-i	SCH-tec	Dark grey to black matrix with light grey to white quartz lenses floating in this matrix. Locally the quartz rich lenses are in higher concentrations while the matrix is in less and in other zones the matrix is stronger in concentrations and appears more mafic in nature. This unit is very tectonized and sheared. This unit could potentially be SCH-m with a SCH-tec texture. This unit has multiple small rubble zones with a total loss of 1.15 m over this interval. Patchy and pervasive limonite alteration. This limonite alteration is coming in after 108.30 m. Patchy moderate coarse grained silvery sericite alteration occurs throughout this interval. There is a small slip surface occurring at 118.92 - 119 m - 40 degrees tca with gouge occurring along this.	lim	Str	ser	Mod	Limonite - patchy and pervasive. Sericite - occurring as coarse grained silvery sericite.	N	EPy	0.3					Pyrite - euhedral, medium to coarse grained, clustered together, fresh to partially oxidized to completely oxidized.	1					
EC19-334	124.9	131.06	SCH-m		Medium to dark grey SCH-m. In this interval we see the loss of the SCH-tec texture. There are two local magnetite hits in this interval at 129 and 131 m. Foliation is locally pulled sub parallel tca (1 m). Carbonate alteration is occurring as wispy cross cutting stringers as well as patchy and blebby at the lower contact. Patchy trace coarse grained silvery sericite. Patchy limonite is occurring as locally pervasive. Patchy blebby epidote alteration is occurring throughout this interval. E.O.H.	carb	Wk	ser	Wk	Carbonate - occurring as patchy and locally almost pervasive; as well as occurring as wispy cross cutting stringers. Sericite - patchy coarse grained, silvery.	N	EPy	0.1	Ep	0.1	Mag	0.1	Pyrite - euhedral to sub hedral, fine to medium grained, fresh and locally clustered together.	2					
EC19-335	0	3.5	OVb		rubble and clay zone. 10 ft casing.						N													
EC19-335	3.5	14.4	SCH-i		moderately silicified green-grey, long fractures sub-parallel tca, many rusty x-cut Qvs, well developed foliation near 5m, crenulation sub-parallel tca near 8.5m, moderate sericite development in fractured zones, mostly shattered qv rubble and fragments, there is about 0.25m core lost in this interval, strong orange-red oxidation along middle of core fractures, large euhedral quartz crystals in open space fills, no significant mineralization, trace calcite in open space near lower contact, x-cut vein.	chl	Wk	sil	Mod	weak spotted chlorite from 9m-14.4m, moderately silicified, moderate sericite development in fractured zones.	N	EPy	3					disseminated rusty pyrite cubes from medium-coarse grained, gradationally increasing in abundance towards down hole direction up to 3%.	45					
EC19-335	14.4	15.4	QV		small rubble zone in between two QVs, moderately developed crenulation cleavages trending approximately sub-parallel tca.	oxi	Str	carb	Tr	strong orange-red oxidation along middle of core fractures, trace calcite in open space near lower contact.	N							no significant mineralization.						
EC19-335	15.4	15.65	SCH-i		fractured core fragments, strongly oxidized, large open pits (cm scale), x-cut vein.	oxi	Mod	ser	Mod	moderately sericitized and oxidized rubble.	N	EPy	2					rusty euhedral pyrite cubes up to 2%	10					
EC19-335	15.65	15.95	QV		dark green-grey, well developed spaced zonal crenulation cleavages, defined by strong presence of sericite, discrete crenulations present sub-parallel tca, patches of orange limonite stain on fresh core surface, disseminated coarse grained pyrite, local calcite stringers, weak spotted chlorite in local patches.	oxi	Str			strongly oxidized, large open pits.	N							no significant mineralization.						
EC19-335	15.95	43	SCH-m		strongly silicified light grey with alternating bands of silicified epidote along foliation, fractured core from 45.7m-46.2m with strong calcite and dendritic pyroclite along fractured surfaces.	lim	Wk	ser	Str	well developed spaced zonal crenulation cleavages, defined by strong presence of sericite, patches of orange limonite stain on fresh core surface, trace pervasive carb, local calcite stringers.	N	Py	3	Ep				disseminated pyrite, both euhedral rusty cubes and subhedral fresh grains, most of the pyrite is very coarse grained, and is found locally up to 3%; trace patches of epidote, gradationally increasing in abundance towards down hole.	30					
EC19-335	43	51.8	SCH-i		quartz sweat, no significant mineralization, 5% wall rock inclusions, weak calcite alteration.	sil	Str	carb	Tr	strongly silicified, skeletal texture present, trace pervasive carbonate.	N	Py	1	Ep				subhedral pyrite locally up to 1% at 49m, foliaform epidote bands.	60					
EC19-335	51.8	52.05	QV		moderately silicified green-grey core with patch of deep red hematite stain from 54.7m-55.2m, bleached from 58.6m-59m and sharp contact with SCH-m below, fractured core from 56.4m-57.9m, some foliaform quartz veins show signs of weak limonite stain.	carb	Wk			weak carbonate.	N							no significant mineralization. 5% wall rock inclusions.						
EC19-335	52.05	59	SCH-i		relatively sharp contact with SCH-i above, sharp contrast of sericite altered dark grey SCH-m, very similar to what was seen from 15.95m-43m, well developed crenulations are defined by sericite, dark black chlorite x-cutting fabric found at 65.3m and 65.65m, both are about 70 degrees alpha and about 1cm thick.	hem	Mod	lim	Wk	patch of deep red hematite stain from 54.7m-55.2m, weak pervasive carb associated with hematite, some foliaform quartz veins show weak limonite stain.	N	Py	3					disseminated subhedral semi-rusty pyrite, locally up to 3% at 49m and otherwise disseminated at 0.5%-1%.	55					
EC19-335	59	69.9	SCH-m		silicified green-grey SCH-i sandwiched between two SCH-m units, primary fabric appears massive, although there are some weakly developed foliations occasionally present, relatively sharp contact with SCH-m below.	ser	Str	lim	Mod	strong sericite along crenulation cleavages, moderate limonite staining on quartz veins, increasing in intensity and abundance toward end of interval near 69m.	N	EPy	4	Ep	2			coarse grained rusty pyrite cubes disseminated throughout, locally up to 4% at 62.5m, patch of epidote at 62.1m that appears to be entering via quartz sweat conduit.	40					
EC19-335	69.9	74.8	SCH-i		sharp upper contact, dark grey core,																			

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)
LS19-284	54	56.39	SCH-i	SCH-tig	in fault zone with lots of lost core and rubble and gouge, possible talc.	ser	Str	carb	Wk	strong sericite alteration, weak ankerite.	N	Gn			2			small grain of galena found at 54.85m in foliaform qtz, possible talc? powdery waxy feel like baby powder.	65				
LS19-284	56.39	62.6	SCH-f		pale green, strong foliation, abundant foliaform qtz, strong skeletal texture, trace spotted chlorite.	chl	Tr	carb	Tr	trace pervasive carbonate, trace spotted chlorite.	N	EPy						trace fine grained pyrite cubes.	70				
LS19-284	62.6	63.2	SCH-f	SCH-tig	strong wispy bands of chlorite in white-grey quartz matrix.	chl	Str	ser	Mod	moderate coarse grained sericite, wispy bands of dark green chlorite, trace pervasive carb.	N							no significant mineralization, very fine grained euhedral pyrite rare.	80				
LS19-284	63.2	64	SCH-i	SCH-tig	in comparison to upper interval, this one has increased chlorite content and decreased silica content, strong crenulations, wispy chlorite transitions into tectonized texture towards end of interval.	chl	Str	ser	Mod	strong patchy carb, coarse grained sericite overprint, thick bands of wispy dark green chlorite.	N	EPy						trace very fine grained euhedral pyrite.	55				
LS19-284	64	74.95	SCH-i	SCH-tec	very strongly deformed fabric, on the more felsic side of intermediate as there is a lot of quartz content.	carb	Wk	ser	Mod	weak patchy pervasive carbonate, limonite stain on top half of interval, coarse grain sericite overprint on bottom half of interval.	N	EPy	1					very fine grained foliaform shiny cubes of pyrite up to 1% locally.	60				
LS19-284	74.95	75.6	QV		limonite stained QV with pyrite and galena, contacts disconnected from host rock, potentially gold bearing vein, small vugs with coarse grained euhedral quartz.	lim	Mod				N	EPy	1	Gn	0.5			up to 1% euhedral cubes and multi generational pyrite, 0.5% medium grained galena.					
LS19-284	75.6	80.75	SCH-i	SCH-tec	very strongly deformed fabric, on the more felsic side of intermediate as there is a lot of quartz content, trace listwanite alteration, moderate skeletal texture towards end of interval, strong magnetite hits from 91.5m-92.8m, foliaform and disseminated fine grained cubes of pyrite.	carb	Wk	ser	Mod	weak patchy carbonate, sericite content increases towards end of interval, weak foliaform sericite and muscovite, trace listwanite throughout, pyrite is more common than fuchsite and carbonate.	N	EPy	0.5					fine grained disseminated shiny cubes of pyrite up to 0.5% locally.	60				
LS19-284	80.75	100.58	SCH-i	SCH-tec		list	Tr	ser	Wk		N	EPy	2	Mag	8	Ccp		fine grained foliaform and disseminated shiny cubes of pyrite throughout interval, up to 2% locally, up to 8% local magnetite between 91.5m to 92.8m, trace chalcocopyrite found near 83.3m.	50				
LS19-285	0	4.57	OVb		Rounded and re-drilled core of SCH-i.						N												
LS19-285	4.57	8.65	SCH-i		Light to medium grey to rusty orange; Well foliated to laminated in texture. Appears to have bands of quartz rich layers and dark green mafic bands. Strong pervasive limonite staining. Black MnO coming in along fracture surfaces. Faulted over this interval with a total loss of 0.85 m. Foliation is locally pulled sub parallel - S.50 - 5.78 m and 8.0 - 8.25 m. Local pitting infilled with limonite staining inside.	lim	Str	mno	Tr	Limonite pervasive, MnO coming in along fracture surfaces.	N	EPy	0.1					Pyrite - fine to medium grained, predominantly completely oxidized with some very minor fresh, euhedral, disseminated.	0				
LS19-285	8.65	9.7	SCH-f	SCH-yel	Small unit of SCH-f in between SCH-i; pale green with a tinge of grey; well foliated but more massive in texture. Patchy SCH-yel overprint mostly on fracture surfaces. Black MnO coming in along fracture surfaces. Broken and rubbed at lower contact with 0.25 m of core loss in the interval.	carb	Tr	lim	Wk	Carbonate - patchy and Limonite - patchy.	N	EPy	0.1					Pyrite - fine grained, euhedral, completely oxidized, disseminated.	0				
LS19-285	9.7	17.9	SCH-i	SCH-yel	Light to medium grey - with a green tinge; faulted throughout interval with a total loss of 2.45 m. Well foliated throughout unit with local crenulation - 20 degrees tca. Black MnO coming in along fracture surfaces. Local gouge zone - 17 cm wide. Local clustering of pyrite - around 16 m.	mno	Wk	carb	Wk	MnO - along fracture surfaces; Carbonate - patchy locally pervasive.	N	EPy	0.1					Pyrite - medium grained, completely oxidized, locally clustered around 16 m, euhedral to sub-hedral.	3				
LS19-285	17.9	18.7	SCH-i	SCH-lam-nu	SCH-i with a SCH-lam non unit texture. Light to medium grey. Well foliated to banded. Quartz rich layers with mafic rich bands - dark grey. Unit is faulted and broken up. Locally crenulated - sub parallel tca (11 degrees tca). Black MnO coming in along fracture surfaces. Patchy SCH-yel overprint - mostly along fracture surfaces.	mno	Mod			MnO - coming in along fracture surfaces.	N	EPy	0.1					Pyrite - fresh - starting to be oxidized along the outside of the crystal, euhedral, medium grained.	0				
LS19-285	18.7	24.45	SCH-i		Green / grey SCH-i; strong chlorite alteration. Unit loses above SCH-lam-nu texture. Unit is very faulted and dominated by gouge. A total core loss of 4.25 m of core loss. A chloritic matrix with light grey to white quartz lenses floating in the chlorite. Possibly graphitic at top of interval. E.O.H.	chl	Wk	carb	Tr	Chlorite - in the ground mass; Carbonate - weakly calcareous gouge.	N	EPy	0.5					Pyrite - medium grained, euhedral, fresh, disseminated.	5				
LS19-286	0	6.25	OVb		Rounded and re-drilled for first 10 cm of SCH-F fragments; after this we see re-drilled SCH-F pieces.						N												
LS19-286	6.25	14.35	SCH-f		Pale to medium green - locally almost white - bleached at contact with fault (12.45 - 14.35 m). See fault table. At the bleached zones we also see coarse grained silvery sericite (patchy SCH-yel overprint). Well foliated but more massive in texture. Patchy limonite staining and local pitting. Milky white quartz sweets with chloritic? selvages (dark green) with wavy irregular contacts. Minor faulting throughout the interval with a larger fault occurring at the lower contact. 1.6 m of core loss over this interval. Fractures running sub parallel tca occurring locally.	lim	Wk			Limonite - coming in along fracture surfaces - locally patchy.	N	EPy	0.1					Pyrite - euhedral, fine to medium grained, completely oxidized, locally clustered.	10				
LS19-286	14.35	15.4	SCH-i	SCH-lam	Light grey green with a laminated to banded texture. White bands of quartz rich material and green micaceous bands. Laminations are wider than usual SCH-lam but still uniform. Patchy limonite staining along fracture surfaces - locally pervasive as well as local pitting. Weak MnO coming in along fracture surfaces as well. Well foliated ~ 60 degrees tca.	lim	Str	mno	Tr	Limonite - locally pervasive, occurring as pitting and along fracture surfaces. MnO coming in along fracture surfaces.	N	EPy	0.3					Pyrite - euhedral, completely oxidized, fine to medium grained, disseminated.	5				
LS19-286	15.4	23.65	SCH-f		Medium to dark green well foliated to but more massive in texture. Locally porphyroblastic texture - with white quartz eyes, circular to semi circular in shape. Ranging in size from 2 - 3 mm wide. Occurring in small 10 cm wide intervals. Strong limonite pitting occurring at upper contact and decreasing in intensity as we go down interval. Limonite staining is locally pervasive around a vein (22.15 - 22.25 m) - staining from 22.0 m - 22.40 m. Local fracturing - 20 degrees tca. Black MnO coming in along fracture surfaces locally. Weak faulting in interval with a total loss of 0.7 m of core loss. Faulted at lower contact. Foliation ~ 70 degrees tca. Milky white quartz sweets that have wavy chloritic selvages. Sharp lower contact with BAS.	lim	Mod	mno	Tr	Limonite - patchy, locally occurring as pitting, as well as locally pervasive.	N	EPy	0.5					Pyrite - medium to coarse grained, euhedral, completely oxidized with some very trace fresh, locally clustered together.	10				
LS19-286	23.65	23.75	SCH-m		Dark green / grey, massive, very fine grained and aphanitic. Old dyke - is no longer cross cutting. Strong limonite pitting throughout interval.	lim	Str			Limonite - occurring as pitting.	N												
LS19-286	23.75	25.15	SCH-f		Pale to medium green; well foliated but more massive in texture. Patchy SCH-yel along fracture surfaces. Local spotted chlorite. Patchy white carbonate alteration - circular. As well as pitting in filled with limonite.	lim	Wk	carb	Wk	Limonite occurring as pitting; Carbonate - patchy local.	N	EPy	0.1					Pyrite - fine grained, euhedral, disseminated.	10				
LS19-286	25.15	25.3	SCH-m		Dark green grey old mafic dyke. No longer cross cutting. Patchy limonite pitting. Strong pervasive carbonate alteration.	carb	Str	lim	Str	Limonite occurring as pitting and carbonate occurring as pervasive.	N												
LS19-286	25.3	39.8	SCH-f		Pale to medium green; not typical SCH-f (foot wall felsic). Well foliated but more massive in texture. Very fine grained locally. Local pervasive hematite staining in between two quartz sweets (27.60 - 27.73 m). Local magnetite at 32 m. Local pitting infilled with limonite. As well as local pervasive limonite coming in along fault. MnO coming in along fractures. Faulted at lower contact. 0.8 m of core loss over this interval.	carb	Wk	lim	Wk	Limonite occurring as pitting and locally pervasive; MnO coming in along fracture surfaces. Carbonate - occurring as local patchy blebs - white.	N	EPy	0.3					Pyrite - fine grained, fresh to completely oxidized, euhedral, disseminated.	5				
LS19-286	39.8	44	SCH-f	SCH-yel	Light green - with a blue tinge. Not typical foot wall felsic. Coarse grained silvery, pearly sericite. Well faulted unit with a total loss of 0.65 m. Limonite and MnO coming in along fracture surfaces. Original texture appears to be obliterated by alteration.	lim	Mod	ser	Str	Limonite - coming in along fracture surfaces. Patchy sericite alteration stronger in more faulted areas.	N	EPy	0.1					Pyrite - fine grained, fresh to completely oxidized, disseminated.	10				
LS19-286	44	50.9	SCH-f		Pale green SCH-F (not typical); well gollated but more massive in texture. Unit is well faulted with a total loss of 1.20 m over interval. Weak sections of patchy sericite alteration. Limonite pitting occurring locally as well as along fracture surfaces.	lim	Wk	ser	Wk	Limonite - occurring as pitting as well as along fracture surfaces; Sericite occurring in patches weakly.	N	EPy	0.1					Pyrite - fine to medium grained, fresh to completely oxidized (predominantly), disseminated, euhedral.	2				
LS19-286	50.9	56.4	SCH-f	SCH-yel	Light grey - blue to medium grey - blue; not a typical SCH-f. Coarse grained, silvery and pearly sericite. Weakly deformed milky white quartz layers. Locally crenulated.	ser	Str	carb	Tr	Sericite - coarse grained, silvery sericite. Carbonate - white coming in along foliation.	N	EPy	0.1					Pyrite - fine grained, partially oxidized, disseminated, euhedral.	2				
LS19-286	56.4	63.45	SCH-i	SCH-tec	Light grey to dark grey. Light grey quartz rich lenses floating in a dark grey mafic/ micaceous matrix. Pulled apart and boudined quartz lenses throughout this interval. Faulted at upper contact. 0.35 m of total core loss over this interval. Patchy weak SCH-yel overprint with coarse grained silvery sericite. Carbonate occurring as local cross cutting wispy stringers.	ser	Wk	carb	Wk	Sericite - patchy silvery/ pearly coarse grained. Carbonate - occurring as cross cutting stringers.	N	EPy	0.1					Pyrite - fine to medium grained, fresh (fine) to completely oxidized (medium grained), euhedral, disseminated.	2				
LS19-286	63.45	67.6	SCH-f		Pale green - grey; well foliated but more massive in texture. Locally fine grained. Foliation locally pulled sub parallel tca - 64.23 - 64.45 m, 65.80 - 66.40 m. Could potentially be a SCH-i.	carb	Tr	lim	Tr	Carbonate - occurring as cross cutting stringers as well as patchy local. Limonite - coming in along fracture surfaces.	N	EPy	0.1					Pyrite - fine to medium grained, fresh, euhedral, disseminated.	5				
LS19-286	67.6	92.45	SCH-i		Medium to dark grey with patchy sections of LIST - fuchsite + pyrite + carbonate alteration. Well foliated but more massive in texture. Multiple quartz carbonate veinlets that run sub parallel tca. Zones of more mafic forming bands throughout this unit. Local fracturing infilled with limonite. Locally foliation is pulled sub parallel - 81.93 - 82.10 m and 91.50 - 91.70 m. Local fold noses - 81.93 to 82.70 m. In this zone we also see the appearance of the LIST also up higher in the interval at 73.15 - 73.40 m. Weakly faulted at lower contact. A total core loss of 0.45 m in this interval. Locally crenulated close to end of interval - 90.80 to 91.00 - 35 degrees tca. Carbonate alteration locally following foliation. Local mag spike at 76 m (1.15) - fine grained magnetite disseminated.	list	Tr	carb	Mod	LIST - occurring in local small bands - 2% overall; carbonate - weakly pervasive as well as locally going along foliation.	N	EPy	1	Mag	0.1			Pyrite - fine to medium grained, euhedral, larger crystals are multi-generational, euhedral disseminated.	4				
LS19-286	92.45	97.1	SCH-i	SCH-lam-nu	Similar to above unit with the addition of a well laminated to banded texture. Light to medium grey - with lighter grey bands and dark grey. Laminations are becoming more deformed as we go down interval. Locally bleached near white at 94.15 - 94.50 m - minor faulting in this section as well. Locally crenulated - 93.60 - 93.77 m - 30 degrees tca. Local fold nose at 95.15 - 95.35 m. Cross cutting wispy carbonate stringers occurring locally.	carb	Tr			Carbonate - occurring as cross cutting stringers.	N	EPy	0.5					Pyrite - fine to medium grained, fresh, euhedral, locally clustered together.	1				
LS19-286	97.1	100.4	SCH-i	SCH-tec	Laminations from previous unit are starting to become deformed and pulled apart. Light to medium grey with light grey to white quartz lenses floating in a darker grey matrix. Locally crenulated - 97.80 - 97.85 m - 45 degrees tca. Locally clustered magnetite at 97.60 to 98 m - medium grained, euhedral. SCH-yel overprint occurring along fracture surfaces.	ser	Wk			Sericite - along fracture surfaces, coarse grained.	N	EPy	0.5	Mag	0.1			Pyrite - fine to medium grained, locally clustered, euhedral, fresh.	1				
LS19-286	100.4	103.65	SCH-f	SCH-tig	Light to medium grey and light green; a transition zone with weak local SCH-tig - weakly developed. Local coarse grained silvery sericite. Well foliated but locally more massive in texture. Starting to see the development of SCH-tig forming thicker wispy cups of chlorite.	carb	Tr			Carbonate - patchy mostly occurring in quartz sweets.	N	EPy	0.1					Pyrite - fine to medium grained, fresh, euhedral, disseminated.	5				
LS19-286	103.65	116.8	SCH-i	SCH-tec	Light to medium grey - light grey to white quartz lenses floating in a medium to dark grey matrix. Abundant coarse grained silvery sericite - patchy throughout interval. Locally pygymatical mixed in with the SCH-tec. Very deformed. Cross cutting carbonate stringers. Locally crenulated at - 104.32 - 140.4 m - 15 degrees tca. Foliation locally pulled sub parallel tca at 108.40 to 108.9 m.	carb	Wk			Carbonate - patchy to locally weakly pervasive.	N	EPy	1.5					Pyrite - fine to medium grained, euhedral, disseminated, fresh.	3				
LS19-286	116.8	130.55	SCH-i	SCH-yel	Light to medium grey; in this unit we see the loss of the deformed quartz lenses and have a more massive well foliated texture. Abundant coarse grained silvery sericite - intensity is decreasing as we go down interval. At lower contact we see SCH-yel limited to the fracture surfaces. Local pitting. As we go down interval we see the development of skeletal texture, and carbonate alteration that is following foliation.	carb	Wk	ser	Mod	Carbonate - patchy mostly in quartz sweets and quartz rich layers and at lower contact we start to see it along foliation.	N	EPy	1.5					Pyrite - Fine to medium grained, euhedral, fresh, disseminated.	3				
LS19-286	130.55	140.21	SCH-i	SCH-lam-nu	Light to dark grey with local green tinge. Banded to laminated texture with varying shades of grey forming bands. Some bands appear to be more mafic in composition. Carbonate alteration following foliation. Pyrite is also following along foliation. Skeletal texture throughout interval. Locally disseminated magnetite - fine to medium grained, euhedral up to 5% clustered around - 138 m. Milky white foliaform quartz sweets disseminated throughout the interval with varying carbonate and occasionally chlorite alteration. E.O.H.	carb	Mod			Carbonate - occurring along foliation.	N	EPy	1.5	Mag	0.1			Pyrite - fine to medium grained, euhedral, disseminated along foliation. Magnetite occurring locally clustered around 138 m. In this area we also see coarse grained pyrite. Magnetite is locally up to 3%.	10				
LS19-287	14.75	23.6	OVb		Matrix supported clasts in clay. Clasts average in size from pebbles to cobbles. Clay is brown to orange. Clasts are sub-rounded and commonly re-drilled. Interval consists of 80% clay and 20% clasts. Core loss of 5.9 m of core loss over the entire interval. Clast lithology is SCH-i with ankerite along foliation. Milk white quartz rubble occurs in rubble as well.						N												
LS19-287	23.6	38	SCH-i	SCH-lam-nu	Light sea-green with white quartz bands. Non-uniformly banded, planar foliated. Faulted interval with 3.1 m of core loss. Locally pygymatic 15 cm intervals. Dispersed limonite along foliation and occurs as spots 1 x 1 mm. Weakly magnetic at 36.80 - 37.60 m. Possible magnetite 1 x 1 mm, 10-15% in the same previous interval. Dispersed, euhedral pyrite dispersed 1 x 1 mm. Local, weak, sericite alteration. Visible gold occurs at 26.60 m. VG occurs in quartz rubble of fault zone.	lim	Mod	ser	Wk	Dispersed limonite along foliation and occurs as spots 1 x 1 mm. Local weak sericite alteration. Visible gold at 26.5 m.	Y	Mag	5	EPy	0.4	Gn	0.2	Euhedral, fresh, pyrite dispersed. Local magnetite at 36.80 - 37.60 m. Euhedral galena in a quartz vein (0.8 x 0.8 cm). Visible gold at 26.60. Gold is in quartz vein away from the quartz vein and not associated with pyrite.	5				
LS19-287	38	54.86	SCH-i		Light sea-green with local rusty orange and local speckled black. Contorted to wavy foliation. Local rusty orange bands at 41.35 - 41.85 m, possibly ankerite (streak white, does not fizz). Spotted black chlorite from 42.80 - 49.00 m. Pervasively crenulated from 42.80 - 49.00 m. Interval between 49.00 - 51.30 m lacks prevalent foliation. Dispersed moderate to locally strong sericite alteration. Abundant euhedral fresh pyrite 1 x 2 mm from 43.10 - 43.30 m. Faulted interval with 2.15 m of core loss.	ser	Mod	chl	Mod	Spotted black chlorite from 42.80 - 49.00 m. Dispersed moderate to locally strong sericite alteration.	N	EPy	1					Abundant euhedral fresh pyrite 1 x 2 mm from 43.10 - 43.30 m. Also euhedral, fresh, pyrite dispersed throughout interval (up to 1 x 1.2 cm).	5				
LS19-287	54.86	64.85	SCH-i	SCH-ptm	Light sea-green with local rusty orange. Contorted to wavy foliation. Dispersed uncommon carbonate stringers. Limonite deposited on fracture surfaces. Faulted interval with 1.2 m of core loss. Dispersed euhedral, fresh and oxidized pyrite 3 x 3 mm. Dispersed moderate sericite alteration.	ser	Mod	lim	Tr	Dispersed moderate sericite alteration. Local trace limonite along fractures.	N	EPy	0.2	EPy					5				
LS19-287	64.85	66.25	SCH-i		Medium sea-green with local rusty orange. Foliation is very cryptic. Local intervals of relic foliation. Foliation is possibly obliterated by pervasive strong sericite alteration. Few hair thin carbonate filled stringers. Patchy carbonate alteration concentrated at the bottom of the interval. Local moderate oxidation around possible quartz vein at bottom of interval. Local euhedral oxidized pyrite.	ser	Str	carb	Tr	Pervasive strong sericite alteration. Trace carbonate stringers.	N	EPy	0.2					Local euhedral oxidized pyrite.	2				
LS19-287	66.25	66.75	QV		Possible cross cutting quartz vein at a subtle angle, or could be foliaform quartz. Strongly oxidized. Contains irregular wispy chlorite inclusions and patchy irregular carbonate. Contacts are wavy.	lim	Str	carb	Tr	Strongly oxidized throughout quartz vein.	N	EPy	0.2					Local euhedral oxidized pyrite near quartz vein margins.					
LS19-287	66.75	70.85	SCH-i		Medium sea-green with local rusty orange. Foliation is very cryptic. Local intervals of relic foliation. Foliation is possibly obliterated by pervasive strong sericite alteration. Few hair thin carbonate filled stringers. Patchy carbonate alteration concentrated at the bottom of the interval. Local moderate oxidation around possible quartz vein at bottom of interval. Local euhedral oxidized pyrite. Lower contact is an approximate. Contact seems to grade into SCH-m	ser	Str	carb	Tr	Pervasive strong sericite alteration. Trace carbonate stringers.	N	EPy	0.2					Local euhedral oxidized pyrite.	2				
LS19-287	70.85	78.35	SCH-m		Dark sea-green. Foliation is very cryptic. Local intervals of relic foliation. Foliation is possibly obliterated by pervasive strong sericite alteration. Few hair thin carbonate filled stringers. Patchy carbonate alteration throughout interval. Local euhedral fresh pyrite. Upper contact and lower contacts are gradation and are approximate.	ser	Str	carb	Wk	Pervasive strong sericite alteration. Weak dispersed carbonate filled fractures and irregular patches.	N	EPy	0.5					Dispersed euhedral pyrite up to 4 x 4 mm.	2				

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)
LS19-287	78.35	82.25	SCH-i		Medium sea-green with with no apparent foliation. Upper and lower contacts are approximate and gradational. Foliation is possibly obliterated by pervasive strong sericite alteration. Few hair thin carbonate filled stringers. Local euhedral fresh pyrite.	ser	Str	carb	Wk	Pervasive strong sericite alteration. Uncommon carbonate filled hair thin stringer fractures.	N	EPy	0.2					Dispersed euhedral pyrite up to 4 x 4 mm.	5				
LS19-287	82.25	88.05	SCH-m		Dark sea-green. Foliation is absent. Foliation is possibly obliterated by pervasive strong sericite alteration. Sericite alteration is very perny and coarse. Few hair thin carbonate filled stringers. Local euhedral fresh pyrite dispersed throughout (up to 0.4 x 0.4 mm). Upper contact and lower contacts are gradation and are approximate.						N												
LS19-287	88.05	109.9	SCH-i		Medium sea-green with slightly wavy foliation. Upper contact is approximate and gradational. Abundant 2 mm thick carbonate stringers from 99 - 109.91 m. Abundant euhedral fresh pyrite throughout interval. Highest pyrite abundance is associated with a 3 cm carbonate patch at 108.62 m. Possible chlorite boudinage at 108.62 m Fine grained pyrite is mostly dispersed throughout interval. Local moderate sericite alteration. Gradational silicification from weak to strong from 106 - 101.11 m.	ser	Mod	carb	Mod	Abundant carbonate fractures, increase in abundance near the bottom portion of the interval. Local moderate sericite alteration.	N	EPy	8					Abundant fine grain fresh pyrite dispersed throughout interval. Local clusters of euhedral coarse grained pyrite. Coarse grained pyrite possibly associated with carbonate patches.	15				
LS19-287	109.9	110.55	SCH-m		Dark brown spotted black. Weakly foliated. Weakly magnetic. Possible 5% magnetite (1 x 1 mm). Pervasive carbonate alteration throughout interval. Matrix consists of up to 45-50% patchy beige carbonate. Contacts are sharp and planar. At upper contact there is a black 1-2 mm amphanitic black band that delineates the upper contact (possible chilled margin?). Euhedral fresh pyrite up to 4 x 3 mm, up to 10-15% of interval. This interval is most likely a permain mafic dyke.	carb	Str			Pervasive carbonate alteration throughout interval. Matrix consists of up to 45-50% patchy beige carbonate	N	EPy	15	Mag	5			Euhedral fresh pyrite up to 4 x 3 mm, up to 10-15% of interval. Possible 5%, 1 x 1 mm magnetite.	0				
LS19-287	110.55	119.28	SCH-i		Medium sea-green with slightly wavy foliation. Abundant 1 mm thick carbonate stringers from 110.55 m to 111.40. Local, white carbonate patches up to 2.5 x 1 cm in interval. Dispersed, fine grained, euhedral fresh pyrite throughout interval. Highest pyrite abundance is associated with a 2 cm thick SCH-m band at 111.25-111.40. Foliation gradually becomes cryptic from 118.20 to the bottom contact. Bottom contact was placed where foliation is weakest and porphyblastic quartz grains first occur. Local bleaching at 113.40 - 113.85 m	ser	Str	carb	Mod	Local strong sericite alteration. Progressively becomes more strong near the bottom contact. Moderate amount of carbonate stingrs and patches throughout interval. Local bleaching at 113.40 - 113.85 m	N	EPy	2					Euhedral fresh pyrite up to 2 x 2 mm.	5				
LS19-287	119.28	123.44	Other		Medium-sea green with bands of light pink. Cryptic foliation with wispy green chlorite comprising the matrix. Quartz phryic with abundant angular quartz porphyroblasts (up to 2 x 3 mm), similar to quartz eyes. Local hematite alteration. Common carbonate stringers throughout interval. Dispersed 0.5% euhedral fresh pyrite throughout interval. Decided to split as a separate interval, because the porphyblasts are pervasive and abundant. Quartz porphyroblasts could possibly be broken quartz foliation bands??? Still has an intermediate amount of mafics vs felsics.	ser	Mod	hem	Wk	Local hematite alteration and moderate dispersed sericite alteration.	N	EPy	0.5					Euhedral fresh pyrite dispersed throughout the interval up to 0.2 x 0.2 mm.	2				
LS19-288	0	11.95	OVb		about 12m of lost return at top of hole. most likely due to major fault. 12.192m casing used at top of hole.						N												
LS19-288	11.95	22.1	SCH-f		pale green silicified SCH-f. abundant foliaform qtz sweat.	sil	Str	oxi	Mod	strongly silicified throughout. moderate FeO.	N	EPy						trace fine grained rusty cubes of pyrite.	70				
LS19-288	22.1	28.8	SCH-i		dark grey-green SCH-i. deformed fabric from fault. chevron folds at 24.7m.	carb	Mod	ser	Mod	patchy ankerite. coarse grained sericite. weak limonite.	N							no significant mineralization.	35				
LS19-288	28.8	31.6	SCH-f		silicified schist in fault zone, mostly rubble pieces with few competent core pieces. abundant foliaform qtz sweat.	hem	Wk	oxi	Wk	hematite stained foliaform qtz near 28m. weak FeO and MnO throughout interval.	N	EPy	1					coarse grained rusted out pyrite cubes up to 1% locally.	60				
LS19-288	31.6	85.45	SCH-i	SCH-tec	same SCH-i color as above with deformed fabric due to fault.	carb	Mod	ser	Wk	moderate-strong patchy carbonate locally. weak local sericite. "leopard" spots of chlorite locally.	N	EPy	1					coarse grained shiny cubes of pyrite up to 1% locally.	40				
LS19-288	85.45	85.7	MDYK		drilled through the side of an old dyke. the contacts are sharp and it looks like old mafic dykes seen in the past with other drill holes. this particular dyke does not wrap around to the back side of the core - it is only visible on one face.	carb	Str	ser	Wk	strong patchy pervasive carb and weak sericite along crenulation.	N	Cal	8					strong calcite.	0				
LS19-288	85.7	95	SCH-i		highly silicified - could possible be SCH-f - although it lacks abundant foliaform qtz sweat often associated with SCH-f. moderate skeletal texture throughout. slip surface at 94.2m and faulted from then on to the end of interval.	sil	Str	hem	Mod	moderate hematite from 90.7m-93.4m. moderate patchy carb and weak pervasive carb throughout interval. weak sericite from 94m-95m.	N	EPy		Qtz				trace medium grained euhedral qtz cubes and trace coarse grained blue qtz eyes.	35				
LS19-288	95	97.8	SCH-f		highly silicified. strong skeletal texture. pale-green-grey color. abundant foliaform qtz sweat.	sil	Str	carb	Mod	strongly silicified. moderate patchy carb throughout.	N	EPy						trace euhedral pyrite cubes disseminated throughout interval.	65				
LS19-288	97.8	100.58	SCH-i		hematite stained at top of interval. transitional zone from SCH-f to SCH-i near top of interval. muscovite along foliation turns into sericite at 99.45m. slight remnants of old mafic dyke slightly visible from 99.4m-99.45m. tectonized texture from 99m-100.58m.	carb	Mod	ser	Str	moderate patchy carb. sericite first appears at 99.45m. moderately hematize from 97.8m-99.5m.	N	EPy		Ep	2			trace euhedral pyrite. foliaform epidote up to 2%b from 98.4m-99.2m.	50				
LS19-289	0	5.5	OVb		Gouge and rubble with minor piece of competent core - SCH-m; strongly oxidized - locally pervasive. 0.55 m of core loss in this interval.	lim	Str				N												
LS19-289	5.5	9.15	RHY		Light grey / tan brecciated, locally pervasively silicified rhyolitic dyke. In the silicified zones we see the rhyolite changed to a light grey chert. The rhyolite is locally brecciated with angular clasts floating in a silicified matrix. Local coarse grained lath shaped plagioclase phenocrysts. In this interval we also see major fracturing with limonite coming in along them. Limonite staining is locally pervasive. This interval is also well faulted with minor gouge and rubble zones. A total loss of 0.4 m of core over this unit. Local medium grained, euhedral, completely oxidized pyrite. The rhyolite is apanitic with local phenocrysts.	lim	Str	sil	Str	Limonite - coming in along fracture surfaces, locally pervasive; strong silicification forming light grey chert around the rhyolite.	N	EPy	0.1					Pyrite - locally clustered, medium grained, euhedral, completely oxidized.					
LS19-289	9.15	18.5	SCH-f	SCH-ye	Light grey with a yellow tinge with patchy rusty orange. This unit is well faulted with large gouge and rubble zones. There is very coarse grained silvery sericite throughout this interval. There is major loss over this unit - a total loss of 4.6 m of core. Local trace fuchsite at 13.45 to 13.58 m Strong limonite staining coming in along fracture surfaces with locally pervasive staining. Local pitting occurring throughout the interval. Pieces of rubbled and broken quartz veins? or sweat? occurring predominantly at the lower half of the interval. Pyrite is locally clustered at the lower contact - medium grained, euhedral, completely oxidized, locally up to 3%.	lim	Str			Limonite coming in along fracture surfaces as well as locally pervasive.	N	EPy	0.3					Pyrite - locally clustered up to 3%, completely oxidized, euhedral, medium grained.	2				
LS19-289	18.5	24.1	SCH-m	SCH-ye	Possible very dark SCH-i? Medium to dark grey to black with patchy weak SCH-ye overprint locally and along fracture surfaces (predominantly). Strong patchy and locally pervasive limonite staining as well as MnO coming in along fracture surfaces. Local pitting throughout interval. Unit is weakly faulted with patchy rubble zones with a total loss of 1.15 m. Unit is well foliated with local banding of medium to dark grey to black. As well as local crenulation - sub parallel tca.	lim	Mod	mno	Mod	Limonite locally patchy as well as pervasive. MnO coming in along fracture surfaces locally pervasive.	N	EPy	1					Pyrite - disseminated, completely oxidized, fine grained, euhedral.	0.5				
LS19-289	24.1	39.15	SCH-i	SCH-ye	Medium to light grey. Moderate SCH-ye overprint with coarse grained silvery sericite. In this unit we see several larger quartz veins - 4. Sharp lower contact with SCH-f. This unit is well faulted with gouge and rubble zones. Patchy limonite staining with it locally being pervasive. As well as patchy MnO staining. A total loss of 6.5 m over this interval. Patchy carbonate alteration - occurring as ankerite blebs disseminated. The carbonate alteration reacts only once scratched and is partially stained with limonite. Locally crenulated - 18 degree tca at 25.20 to 25.25 m.	lim	Mod	carb	Wk	Limonite - patchy, locally pervasive. MnO along fracture surfaces.	N	EPy	0.2					Pyrite - fine grained, partially to completely oxidized, euhedral, disseminated.	0.5				
LS19-289	39.15	39.8	SCH-f		Small band of SCH-f. Medium green, massive in texture. Very weak SCH-tig texture at upper contact. Faulted at upper and lower contact. Patchy weak limonite coming in along fracture surfaces.	lim	Tr			Limonite - along fracture surfaces.	N	EPy	0.1					Pyrite - fine grained, euhedral, completely oxidized.	0				
LS19-289	39.8	41.25	SCH-i	SCH-ye	Pale grey to light green with rusty orange. Zone is silicified and altered. Patchy limonite staining along fracture surfaces. Sharp upper and lower contact. Small rubbled zone. In this zone we see a loss of 0.55 m of core. In this zone we see a higher concentration of pyrite up to 5%.	lim	Mod			Limonite - throughout interval as well as along fracture surfaces.	N	EPy	5					Pyrite - fine to medium grained, completely oxidized, euhedral, disseminated.	0				
LS19-289	41.25	55.8	SCH-i		Large one of cave with a smaller section of cave as well. Medium to dark grey, well foliated throughout most of the interval but more locally more massive in texture. Local white quartz porphyroblasts disseminated at over the unit. The quartz porphyroblasts / quartz eyes range in size from 2 - 5 mm wide. This unit is weakly faulted with a total loss of 1.65 m. Unit is non descript. Trace limonite staining along fracture surfaces. Wispy cross cutting carbonate stringers occurring predominantly in the first half of the interval. Locally well crenulated at upper contact down to 43.25 - 35 degrees tca.	lim	Tr	carb	Tr	Limonite coming in along fracture surfaces; carbonate occurring as stringers.	N	EPy	0.5					Pyrite - fine to medium grained, euhedral, fresh, disseminated.	5				
LS19-289	55.8	84.6	SCH-m		Medium to dark grey with a green tinge. Unit is locally well foliated but locally more massive in texture. Locally we see a banded to laminated texture of medium grey to dark grey. Local patchy hematite staining. Wispy cross cutting carbonate stringers. Local porphyroblastic texture / quart eyes occurring locally clustered in interval throughout the unit. Quartz eyes are white and range in size from 2 - 5 mm wide. The eyes are generally going along foliation in more quartz rich bands. Milky white quart sweat are present disseminated throughout the interval variable altered with chlorite and carbonate.	carb	Wk	hem	Tr	Carbonate - patchy local as well as wispy cross cutting stringers; Hematite patchy local to pervasive.	N	EPy	0.1					Pyrite - fine to medium grained, fresh, euhedral, disseminated.	3				
LS19-289	84.6	85.6	SCH-i		Light to medium grey with a blue and purple tinge. Weakly laminated to banded texture - locally with dark green chlorite wisps. Weak hematite staining. Faulted lower contact. Wispy cross cutting carbonate stringers with chlorite alteration occurring locally. Looks kinda like a meta-granitic but not.	carb	Wk	hem	Tr	Carbonate - occurring as wispy cross cutting stringers. Hematite - locally pervasive, weak.	N	EPy	0.5					Pyrite - fine to medium grained, fresh, euhedral, disseminated.	0				
LS19-289	85.6	86.35	SCH-m		Small band of SCH-m breaking up two SCH-i's. Dark green with a blue tinge, massive SCH-m with patchy carbonate alteration along foliation as we as disseminated. The carbonate alteration is locally hematite stained.	carb	Mod	hem	Tr	Carbonate - pervasive at upper contact as well as patchy. Hematite - staining the carbonate alteration.	N												
LS19-289	86.35	92.95	SCH-i		Light to medium grey with a blue tinge. Well foliated but becomes more massive in texture at 90.0 m. SCH-ye overprint from upper contact to 90 m where it becomes more massive in texture. Wispy white cross cutting stringers occurring locally. In more massive section we see the appearance of white quartz porphyroblasts / eyes. There is one local light blue quartz eye at 89.12 m. Wispy chlorite following along foliation. Unit is becoming rubbled and broken after 90 m. 0.35 m + - core loss in this interval.	carb	Wk	ser	Wk	Carbonate - occurring as wispy cross cutting stringers as well as patchy. Sericite alteration occurring at upper contact up to 90 m.	N	EPy	0.5					Pyrite - fine to medium grained, fresh, euhedral, disseminated.	2				
LS19-289	92.95	95	BAS		Black basaltic dyke with aphanitic and phenocrystic texture. Phenocrysts are white quartz that are lath shaped (plagioclase) as well as small semi-circular - 1%. Cross cutting wispy carbonate stringers occurring locally. Disseminated fine grained pyrite occurring in some of the phenocrysts as well. At lower contact we see rubble but there is a mix of the BAS and the RHY below this dyke. Dyke is fresh and young? and strongly magnetic. Pervasive carbonate alteration.	carb	Str			Carbonate - pervasive as well as cross cutting carbonate stringers.	N	EPy	0.2					Pyrite - fine grained, fresh, euhedral - some of the pyrite is occurring in the white quartz phenocrysts and rimming these phenocrysts.	0				
LS19-289	95	122.83	RHY		Tan to light grey rhyolite dyke. Apanitic in texture with phenocrysts - of white quartz and green circular blebs. As well as irregular shaped wall rock inclusions. Abundant cross cutting wispy carbonate stringers occurring in the first half of the interval. Patchy limonite staining coming in along fracture surfaces. Disseminated fine grained pyrite. EOH.	carb	Wk	lim	Wk	Carbonate - occurring as cross cutting stringers; Limonite - coming in along fracture surfaces.	N	EPy	1					Pyrite - fine grained, fresh, euhedral, disseminated.	0				
LS19-290	0	5.85	OVb		over-sized core from casing. quartz veins at beginning and end of interval, with SCH-f in the middle.	oxi	Str				N												
LS19-290	5.85	10.8	SCH-f	SCH-ye	dark green-grey SCH-f. wispy bands and spots of chlorite. sericite content decreases towards end of interval and is inversely proportional to silica content. Not our regular fwf a altered felsic.	ser	Str	chl	Str	strong oxidation. cg sericite decreases towards down hole. wispy chlorite.	N	EPy	3.5					disseminated coarse grained rusty and shiny euhedral pyrite cubes locally up to 3-4%.	40				
LS19-290	10.8	12.35	SCH-f	SCH-ye	Medium green with patchy SCH-ye overprint. Local common limonite pitting throughout interval. Becoming more massive in texture than above SCH-f unit. Rubble pieces common. lots of pyrite. carbonate appearance. old mafic dyke. sharp contacts that has become part of the rock package. Dark grey to black with a weak SCH-ye overprint. very strong carbonate.	carb	Wk	ser	Mod	weak pervasive carb. transition between sericite and silica rich.	N	EPy	5					rusty coarse grained pyrite up to 5% locally around 11m.	40				
LS19-290	12.35	12.6	SCH-m			carb	Str	ser	Wk	patchy pervasive orange ankerite and most likely calcite.	N												
LS19-290	12.6	13.25	SCH-f		strong crenulations. highly silicified. many open space selvages.	sil	Mod	oxi	Wk	includes trace sericite and weak pervasive carbonate.	N	EPy	2					coarse grained rusty pyrite locally up to 2%.	50				
LS19-290	13.25	13.75	QV		VG at upper contact of vein at 13.28m. about 15% wall rock inclusions. 2% very coarse grained euhedral pyrite. moderate limonite staining.	lim	Mod	carb	Mod	calcite veinlets and pervasive moderate carb. limonite stained quartz.	Y	EPy	2					VG found at 13.28m. rusty pyrite cubes up to 2%.					
LS19-290	13.75	33.6	SCH-f		SF - TAKES OVER LOG. Light green to locally grey. Not out fwf but a deformed and altered felsic. Local sections that are more massive in texture and our fwf (24.55 - 26.10 m. Possible silicified SCH-i. Locally laminated to banded texture. Well foliated locally. Weak SCH-ye overprint throughout interval. Local spotted chlorite. Patchy rubble zones in this interval - 0.65 m of core loss over this interval. Local pitting with limonite decreasing in intensity as we go down interval.Faulted throughout interval with a total loss of 3.5 m of core loss.	sil																	

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)
LS19-290	60.15	63.05	SCH-f		Possible bleached out SCH-I due to the faulting but a strong upper and lower contact. Unit is well foliated throughout. Unit is well faulted with rubble and gouge. Weak SCH-eyl overprint along fracture surfaces. 0.40 m of core loss over this interval.	carb	Wk	ser	Wk	Carbonate - patchy weak; Sericite - coarse grained, silvery along fracture surfaces.	N	EPy	0.1					Pyrite - fine to medium grained, fresh, euhedral, disseminated.					
LS19-290	63.05	63.15	SCH-m		Old mafic dyke that has become part of the rock package. Dark grey with strong pervasive carbonate alteration. Sharp upper and lower contacts. This dyke is mineralized with pyrite.	carb	Str			Carbonate - pervasive.	N	EPy	0.5					Pyrite - medium grained, euhedral, fresh.	0				
LS19-290	63.15	77.6	SCH-i		Light to medium grey, spotted chlorite texture locally. Local fold noses - 66.6 - 68.75 m, 72.40 - 73.60 m, 72.85 - 73.00 m. SCH-eyl overprint at upper contact and locally patchy. Unit is well foliated throughout and locally pulled sub parallel - 66.48 - 66.58, 68.10 - 68.42 m. Milky white foliaform quartz sweats with irregular wavy dark green selvages disseminated throughout interval. Cross cutting carbonate stringers occurring locally. Silicified over full interval. Patchy rubble zones with 0.30 m of total loss over this unit.	sil	Mod	carb	Tr	Silicified - throughout interval; Carbonate - occurring as wispy stringers.	N	EPy	0.3					Pyrite - fine to medium grained, fresh, euhedral, disseminated.	10				
LS19-290	77.6	78.15	SCH-m		Dark grey to almost black SCH-m; moderately foliated with a semi massive texture. Patchy carbonate alteration. Sharp upper and lower contacts.	ser	Tr	carb	Wk	Sericite - patchy along fracture surfaces; Carbonate - patchy	N	EPy	0.1					Pyrite - fine grained, fresh, euhedral.	0				
LS19-290	78.15	82.35	SCH-f	SCH-eyl	Light grey SCH-f with a SCH-eyl overprint (not typical SCH-I fwf). Coarse grained silvery sericite. Local mafic bands 6 - 9 cm wide - dark green chlorite and carbonate altered. Unit is strongly deformed.	ser	Mod	carb	Tr	Sericite - patchy coarse grained silvery; Carbonate - occurring along the foliation.	N	EPy	0.1					Pyrite - locally clustered together following foliation, fresh, euhedral.	2				
LS19-290	82.35	89.75	SCH-i		Light to medium grey SCH-I. Patchy faulting in this interval with minor gouge zones as well as local breccia at 88.40 - 88.50 m. A loss of 0.95 m over this interval. Breccia is matrix supported with dark green chloritic and the clasts are milky white, angular quartz. SCH-eyl overprint possibly coming in along fault and seritizing the lower contact of the SCH-I with coarse grained silvery sericite. Cross cutting carbonate stringers occurring throughout the unit. Unit is well foliated throughout.	ser	Wk	carb	Tr	Sericite coming in along the lower contact; Carbonate - occurring as stringers.	N	EPy	1					Pyrite - fresh, euhedral, disseminated, fine grained.	5	Slip Surface	50		
LS19-290	89.75	91.2	SCH-f		Pale to medium green classic SCH-I (fwf). This interval is well faulted with large gouge zone with a total loss of 0.8 m of loss.						N												
LS19-290	91.2	93.3	SCH-i		Sharp upper and lower contacts with SCH-f and SCH-m. Light to medium grey SCH-I with coarse grained silvery sericite. Weak faulted and rubbed with a total loss of 0.6 m. Local concentration of milky white foliaform quartz sweats at 92.70 to 93.10 m.	ser	Mod	carb	Tr	Sericite - patchy, coarse grained silvery. Carbonate - patchy.	N	EPy	0.1					Pyrite - fine grained, fresh, euhedral, disseminated.	25				
LS19-290	93.3	102.85	SCH-m		Dark grey with a blue tinge. Possible a dark SCH-I. Unit is pervasively silicified. Well foliated but more massive in texture. Locally crenulated - near lower contact at 102.08 - 102.60 m - 40 degrees tca. Patchy SCH-eyl overprint and along fracture surfaces. Coarse grained silvery sericite. Skeletal texture to core. With local more mafic bands of dark grey to black - massive, locally pervasively carbonate altered in these bands. Milky white foliaform quart sweats are disseminated throughout interval. There are a few high mag hits occurring at 95 and 97 m. Grading to a SCH-I at the lower contact.	sil	Str	carb	Wk	Silicified - pervasive over unit. Carbonate - patchy.	N	EPy	0.5					Pyrite - medium to coarse grained, euhedral, fresh, disseminated occurring along foliation.	1				
LS19-290	102.85	111	SCH-i		Light to medium grey SCH-I. Well foliated throughout the interval with local light and dark minerals forming laminations to bands. Locally the foliation is pulled sub parallel at 105.6 to 106.20 m. Moderate deformation begins after this zone at 106.20 m. Weak ptn till 106 m. At the lower contact we are grading into a SCH-I (fwf). As we go down interval we also see the appearance of a SCH-eyl overprint with coarse grained silvery sericite. Cross cutting carbonate stringers are also appearing near the end of the interval. Large zone of cave in this interval.	carb	Tr	sil	Mod	Silicified - pervasive through interval; Carbonate - occurring as cross cutting stringers as well as patchy predominantly occurring in quartz rich layers.	N	EPy	0.3					Pyrite - medium to fine grained, predominantly occurring at the upper contact and becoming less as we go down interval, fresh, euhedral.	3				
LS19-290	111	112.5	SCH-f		Classic SCH-f (fwf); Pale green, well foliated but more massive in texture. At the lower contact we see a grading into a SCH-I with a moderate SCH-tig texture and then grading into a pygmatic texture. Cross cutting wispy carbonate stringers occurring at the upper contact.	carb	Tr			Carbonate - occurring as a cross cutting stringer.	N	EPy	0.1					Pyrite - fine grained, fresh, euhedral, disseminated.	5				
LS19-290	112.5	113.35	SCH-f	SCH-tig	SCH-f with a classic SCH-tig texture. A weak to moderate development of the SCH-tig; Light grey with dark green / grey wispy thick books of chlorite floating in a light grey to white quartz rich matrix. Coarse grained silvery sericite is disseminated throughout this interval. At the lower contact we see the SCH-tig grade into a SCH-ptm.	carb	Tr			Carbonate - occurring as wispy cross cutting stringers at the upper contact.	N	EPy	0.1					Pyrite - fine grained, fresh, euhedral, disseminated.	0				
LS19-290	113.35	117.35	SCH-i	SCH-ptm	Light grey to dark grey / green. Light grey quartz rich lenses floating in a darker grey / mafic matrix. The quartz lenses are twisted and deformed. Strong deformation in this interval. At the lower contact we see the loss of the quartz lenses and becoming more massive in texture. Locally we see coarse grained silvery sericite. Trace faulting in this interval with weak gouge along some fracture surfaces.	carb	Wk			Carbonate - patchy occurring predominantly in in quartz rich layers.	N	EPy	0.5					Pyrite - fine to medium grained, fresh, euhedral, locally clustered together.					
LS19-290	117.35	123.5	SCH-i		Light to medium grey SCH-I. Moderately foliated with locally more massive in texture. Unit is non descript with a weak SCH-eyl overprint along the fracture surfaces. The lower contact is sharp.	carb	Wk			Carbonate - patchy most in quartz rich layers and sweats.	N	EPy	3					Pyrite - is fine to medium grained, locally clustered as well as occurring along foliation, fine to medium grained, fresh.	2				
LS19-290	123.5	140.05	SCH-m		Dark green with a blue tinge. Strong white carbonate alteration along foliation. Unit is well foliated throughout. Milky white foliaform quartz sweats occur throughout this interval. Local bleached and silicified zone (SCH-SSB?) at 127.45 to 128.36 m. In this one we see a light grey color and abundant pyrite forming along the folia. In this unit we also see disseminated, medium to coarse grained, euhedral magnetite occurring at 124 to 127 m. Locally up to 2%. Weakly faulted at lower contact with gouge - 35 degrees tca. Unit is silicified. Unit has a skeletal appearance to the core. Locally well crenulated near the end of the interval occurring almost sub parallel tca - 10 degrees tca.	carb	Str	sil	Mod	Carbonate - occurring along foliation, locally pervasive. Silicified over whole interval.	N	EPy	3	Mag	0.1			Pyrite - is fine grained, disseminated (along folia locally), fresh, euhedral.	5				
LS19-290	140.05	150.35	SCH-f		Light grey with patchy LIST at bottom contact (fuchsite + pyrite and carbonate). Unit is silicified throughout interval. This unit is not the true foot wall felsic but has a sharp lower contact with the true foot wall felsic. Local patchy coarse grained silvery sericite along fracture surfaces. Unit is well foliated but pulled sub parallel locally. As well as locally crenulated - 35 degrees tca. Skeletal appearance to the core.	list	Tr	sil	Mod	LIST - fuchsite + pyrite + carbonate occurring at lower contact. Silicified throughout unit.	N	EPy	2					Pyrite - fine grained, fresh, euhedral, disseminated.	3				
LS19-290	150.35	155.45	SCH-f		More classic SCH-f fwf. Pale green to light grey - locally. Well foliated but more massive in texture. Trace fuchsite coming in at the lower contact. Skeletal in appearance. E.O.H.	carb	Mod			Carbonate - patchy occurring in the quartz rich layers.	N	EPy	0.5					Pyrite - fine grained, euhedral, fresh, disseminated.	5				
LS19-291	3.05	10.3	RHY		strongly oxidized throughout interval; texture resembles quartz-feldspar porphyry; dendritic pyrolusite on some fracture surfaces; patchy faulting throughout interval detailed in fault table; on fresh surfaces, rock appears to be light grey; 1-3mm euhedral albite approx 10%; minor mafic inclusions; indicating rhyolite was emplaced after neighbouring mafic dyke later in interval; 10% qtz porphyries 1-3mm, 80% groundmass; chill margin present on lower contact adjacent to SCH-f unit; chill margin approx 40 cm long characterized by intense bleaching (rock almost white), weathered out albite and remnant qtz porphyries; trace rusted epy 1mm;	lim	Str			strong pervasive limonite alteration	N	EPy						trace rusted epy 1mm;					
LS19-291	10.3	11.7	SCH-f		strong patchy oxidation particularly on fracture surfaces; strongly foliated; dendritic pyrolusite on fracture surfaces; strongly sericite altered; trace rusted epy <1mm;	ser	Str	lim	Str	strong pervasive sericite alteration; strong patchy limonite alteration confined to fracture surfaces	N	EPy						trace rusted epy <1mm					
LS19-291	11.7	39.6	RHY		same as RHY above; chill margin on lower contact of above SCH-f unit approx 80cm; chill margin present on upper contact of SCH-f unit at 14.85-15.28; chill margin approx 10 cm long characterized by intense bleaching (rock almost white), no chill margin on lower contact; weathered out albite and remnant qtz porphyries; trace rusted epy 1mm; chill margin approx 20 cm;	lim	Str			strong pervasive limonite alteration	N	EPy						trace rusted epy 1mm;					
LS19-291	39.6	41.7	SCH-f		med grey; moderately foliated; weak SCH-tig texture, more closely resembles spotted chlorite texture; moderate patchy oxidation/limonite staining; moderate pervasive sericite alteration; minor carb in qtz sweats; moderate patchy carb alteration in matrix; 0.5k rusted epy <1mm;	lim	Mod	ser	Mod	moderate patchy limonite alteration; moderate pervasive sericite alteration	N	EPy	0.5					0.5% rusted epy <1mm					
LS19-291	41.7	42	SCH-m		dark grey; appears to be older foliaform mafic dyke; strong pervasive carb alteration; 4mm carb veinlets; locally crenulated; moderate pervasive sericite alteration; no apparent mineralization	ser	Mod			moderate pervasive sericite alteration	N												
LS19-291	42	48.3	SCH-f		same as SCH-f above; med grey; local spotted chlorite; limonite-stained carb veinlets infilling fractures; weakly foliated and local patchy SCH-tec texture; trace rusted epy <1mm; moderate pervasive sericite alteration;	ser	Mod			moderate pervasive sericite alteration	N	EPy						trace rusted epy <1mm					
LS19-291	48.3	50.35	SCH-m		very dark grey; appears to be old foliaform dyke, similar to SCH-m above; strong patchy carb alteration; strong pervasive sericite alteration; 1% rusted epy ~2mm; faulted at top of interval, outlined in fault table; minor inclusions of SCH-f host rock approx 18cm; interval not foliated	ser	Str	carb	Str	strong pervasive sericite alteration; strong patchy carb alteration	N	EPy	1					1% rusted epy ~2mm					
LS19-291	50.35	61.05	SCH-f		same as SCH-f above; same as SCH-f above; med grey; local spotted chlorite; limonite-stained carb veinlets infilling fractures; weakly foliated and local patchy SCH-tec texture; trace rusted epy <1mm; moderate pervasive sericite alteration; minor foliaform SCH-m inclusions (dykes?) 10-15cm wide; moderate pervasive carb alteration	ser	Mod	carb	Mod	both moderate pervasive alteration	N	EPy						trace rusted epy <1mm					
LS19-291	61.05	63.8	BAS		dark grey to black; highly magnetic (mag susc reading 60.7); euhedral magnetite (1%) approx 2mm; euhedral plagioclase porphyries 2-15mm; carbonate infilling vesicles; carbonate veinlets <1mm infilling fractures; strong oxidation on fracture surfaces; 1% fresh very fine grained (<1mm) epy; strong pervasive carb alteration	carb	Str			strong pervasive carb alteration	N	EPy	1					1% very fine grained (<1mm) epy					
LS19-291	63.8	71.8	SCH-f	SCH-tec	same as SCH-f above; med grey; local spotted chlorite; limonite-stained carb veinlets infilling fractures; local patchy SCH-tec texture; trace rusted epy <1mm; strong pervasive sericite alteration; faulted at top of interval outlined in fault table.	ser	Str			strong pervasive sericite alteration	N	EPy						trace rusted epy <1mm					
LS19-291	71.8	77.45	BAS		dark grey to black; moderately magnetic (mag susc reading 60.7); euhedral hematized magnetite (1%) approx 2mm; euhedral plagioclase porphyries 2-15mm; carbonate infilling vesicles; strong oxidation on fracture surfaces; strong pervasive carb alteration; strongly oxidized epy, 3%, 1-4mm; 65% goundmass	carb	Str			strong pervasive carb alteration	N							trace fresh epy <1mm					
LS19-291	77.45	131.06	RHY		texture resembles quartz-feldspar porphyry; patchy faulting throughout interval detailed in fault table; on fresh surfaces, rock appears to be light grey; 1-3mm euhedral albite approx 10%; minor mafic inclusions indicating rhyolite was emplaced after neighbouring mafic dyke; 10% qtz porphyries 1-3mm, 80% groundmass; trace fresh epy <1mm; no apparent alteration						N	EPy											
LS19-292	3.2	3.8	OVB		Rounded and broken rubble. Rubble average size is 4-6 cm. However, some coherent rock is included. Coherent rock has a larger diameter that NQ. Possibly taken up in casing??? Lithology of coherent and rubble is SCH-i with 1% euhedral, oxidized pyrite with some internal fresh pyrite.	oxi	Tr				N	EPy	0.5					Euhedral, oxidized, with some fresh internal pyrite.	10				
LS19-292	3.8	18.9	SCH-i		Medium sea-green with local rusty orange patches and a local interval of cream grey with green to black spotted chlorite. Planar to wavy foliated with local intervals of crenulation fabrics. Spotted chlorite interval from 8 -10.67 m. Pervasive carbonate patches 0.3 x 0.3 cm and pervasive along foliation at 12.35 - 13.0 m. Local, strong, limonite along foliation. Dispersed, 1% euhedral, oxidized pyrite (0.3 x 0.3 cm). Faulted interval with 0.7 m of core loss.	carb	Mod	lim	Mod	Local moderate carbonate along foliation and in patches dispersed through out interval. Limonite dispersed dispersed along foliation.	N	EPy	1					Euhedral, oxidized, with some fresh internal pyrite.	10				
LS19-292	18.9	20.4	SCH-i	SCH-ptm	Light cream interval with a significant increase in quartz band thickness and abundance compared to SCH-I above and below this interval. Pervasive crenulation fabric. Spotted chlorite throughout interval. Limonite infills crenulation fabric and also forms patches along foliation. Upper and lower contacts are slip surfaces. Euhedral, oxidized, pyrite up to 0.4 x 0.4 mm.	chl	Wk	lim	Wk	Pervasive spotted chlorite throughout entire interval.	N	EPy	0.5					Euhedral, oxidized, pyrite up to 0.4 x 0.4 mm.	0				
LS19-292	20.4	24.7	SCH-i		Medium sea-green with local rusty orange stringers. Planar to wavy foliated. Weak pervasive sericite alteration. Local, strong, limonite along foliation and dispersed as blebs (up to 0.3 x 0.3 cm). Dispersed 0.5% euhedral, oxidized, pyrite (0.4 x 0.4 mm). Pervasive weak sericite alteration. Some local pitting up to 0.5 cm. Local bleaching around 22 m with elevated 0.2 x 0.2 cm euhedral oxidized pyrite.	lim	Str	ser	Wk	Pervasive strong limonite along foliation and in belbs up to 0.4 x 0.4 mm.	N	EPy	0.5					Euhedral, oxidized, pyrite up to 0.4 x 0.4 mm.	10				
LS19-292	24.7	26.23	SCH-m		Black with a green hue and pervasive white spots and stringers of orange. Abundant foliated chlorite with pervasive blebs (0.3 x 0.3 cm) of carbonate. Abundant stringers of limonite that infil fractures. Local sericite alteration. Pervasive crenulation fabric.	carb	Str	lim	Mod	Pervasive strong carbonate alteration along foliation and in patches dispersed through out interval. Limonite dispersed dispersed along foliation and infilling fractures.	N								0				
LS19-292	26.23	124.97	SCH-i		Medium sea-green with thin intervals of dark green and local bands of orange limonite. Visible gold at 101.50 m in a cross cutting quartz vein. Dispersed carbonate patches up to (up to 0.5 x 0.5 cm) and carbonate stingers. Dispersed porphyroblastic feldspars (up to 0.5 x 0.5 cm). Possible very fine grained magnetite at 52.10 m. Uncommon local pitting in top of interval. Moderate oxidation in fault interval at 56-57.15 m. Local hematite alteration. Increased number of carbonate stingers and oxidation from 97.45-103.63 m. Brecciated interval between 102.28-102.44 m with an increase in carbonate and limonite lining abundant fractures, as well as an increase in biotite black and brown chlorite lines margins of brecciated interval. Brecciated quartz clasts are rounded. Local intervals of strong sericite alteration.	carb	Mod	lim	Mod	Dispersed carbonate bloches and stringers through out interval and	Y	EPy	0.5	Mag	0.1			Visible Gold occurs in a cross-cutting vein at 101.60 m. Euhedral, fresh dispersed, pyrite up to (up to 0.4 x 0.4 cm). Possible very fine grained magnetite at 52.10 m.	10				
LS19-293	5.9	6.1	OVB		Rounded and re-drilled fragments of SCH-f with small fragments of QV - 2 cm wide.						N												

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)
LS19-293	6.1	15	SCH-f		Medium to dark green becoming a bleached (6.80 - 13.7 m) pale green to light grey in color. Local silvery coarse grained sericite - more abundant in rubble zones / gouge and along fracture surfaces. Well foliated throughout unit with foliation locally pulled sub parallel tca. In these zones we also see local fold noses. This unit is well faulted with gouge and rubble zones between sections of competent core - a total loss of 2.3 m. There is a few broken up veins / sweat in the unit as well. Sharp lower contact with SCH-i. Local pitting infilled with limonite occurring throughout the hole. Local small zone with white quartz porphyroblasts, semi circular to lath shaped (feldspars) - 14 to 14.14.15 m.	ser	Wk	lim	Wk	Sericite - patchy, stronger in faulted zones; Limonite - occurring in pits locally as well as along fracture surfaces.	N	EPy	0.1					Pyrite - euhedral, completely oxidized, fine grained, disseminated but locally clustered at a higher concentration where it is porphyroblastic 14 - 14.15 m.	2				
LS19-293	15	21.7	SCH-i		Light to medium dirty grey; In this unit we see the development of light and dark laminations to banding in the upper contact as we go down interval we start to lose that banding and becoming more massive in texture. This unit is well faulted throughout with a total loss of 1.55 m of core loss. Sharp lower contact with basaltic dyke. Local pitting infilled with limonite occurring throughout interval. Black MnO along fracture surfaces as well as limonite. Coarse grained silvery sericite occurring locally.	lim	Mod	ser	Wk	Limonite - occurring as pitting; Sericite - coarse grained silvery disseminated.	N	EPy	0.1					Pyrite - euhedral, completely oxidized, disseminated, medium to fine grained.	2				
LS19-293	21.7	23.6	BAS		Black, fresh, unaltered dyke. Moderately magnetic. Small zone of cave. Aphanitic texture. Pervasive carbonate alteration as well as cross cutting wispy stringers. Faulted throughout interval with a total loss of 1.05 m. White quartz phenocrysts that are lath shaped as well as semi circular (feldspars) that are up to 3 x 6 mm.	carb	Str	lim	Tr	Carbonate - pervasive as well as occurring as stringers; Limonite - coming in along fracture surfaces.	N								0				
LS19-293	23.6	36.9	SCH-i		Light to medium grey. Weakly foliated throughout unit but more massive in texture. Moderately faulted with a total loss of 4.05 m. Local spotted chlorite texture. Lower contact is faulted and contact with below basalt dyke is lost in the faulting. Crenulated at the lower contact - 35 degree tca. Small mafic bands - dark green / blue are occurring locally in this unit up to 10 cm wide. Pitting with limonite infilling occurring locally. Local carbonate alteration that has been stained with limonite turning is a rusty orange. Pyrite is locally clustered around the upper contacts of quartz veins/ sweat?	lim	Tr	carb	Tr	Limonite - occurring in pits as well as along fracture surfaces. Carbonate occurring locally and stained with limonite.	N	EPy	0.1					Pyrite - fresh, medium grained, disseminated.	1				
LS19-293	36.9	37.75	BAS		Black to dark grey at upper contact, aphanitic with white quartz phenocrysts. Phenocrysts are lath shaped (feldspars) and circular in shape. Faulted upper contact with a sharp lower contact. Wispy cross cutting carbonate stringers.	carb	Str	lim	Tr	Carbonate - pervasive as well as occurring as circular blebs and cross cutting stringers. Limonite - coming in along fracture surfaces.	N	EPy	0.1					Pyrite - fresh, euhedral, fine grained.	0				
LS19-293	37.75	38.85	SCH-i		Continuation of above SCH-i (23.6 - 36.9 m) - Light to medium grey. Weakly foliated throughout unit but more massive in texture. Local spotted chlorite texture. Lower contact is faulted and contact with below basalt dyke is lost in the faulting. Small mafic bands - dark green / blue are occurring locally in this unit up to 10 cm wide.	carb	Wk	chl	Wk	Carbonate - occurring as cross cutting stringers as well as pervasive mafic bands. Chlorite occurring as spotted chlorite texture occurring at the upper contact.	N	EPy	0.1					Pyrite - fresh, euhedral, disseminated, medium grained.	10				
LS19-293	38.85	43.55	BAS		A bleached basaltic dyke? Medium to light grey. Aphanitic with white quartz phenocrysts that are lath shaped (feldspars) and semi circular. Some of the phenocrysts are salmon colored (k-feldspar?). Phenocrysts range in size from 5 x 10 mm wide to 2 x 4 mm. Unit is well faulted with a total loss of 1.2 m. Pervasive carbonate alteration. Vesicles at the upper contact and then disappearing as we go down interval. Lower contact is faulted and the actual contact with the below RHY could potentially be higher or lower but hard to tell.	carb	Str	ble	Mod	Carbonate - pervasive, Bleaching - pervasive.	N												
LS19-293	43.55	66.14	RHY		Light grey to cream colored rhyolitic dyke. Aphanitic with dark green, circular crystals disseminated throughout. Irregular mafic? looking wall rock inclusions with white quartz phenocrysts occurring inside - potentially from basaltic dyke. Unit is faulted throughout. Black MnO occurring along fracture surfaces locally. Local pervasive limonite staining. Light grey, glass quartz phenocrysts - 1 - 2 mm wide. E.O.H.	lim	Wk	mno	Wk	Limonite - locally pervasive; MnO - coming in along fracture surfaces.	N												
LS19-294	0	4.9	OVb		Rounded and re-drilled core of SCH-i fragments and dirt, coarse grained silvery sericite alteration.						N												
LS19-294	4.9	8	SCH-i	SCH-tig	Dark green to near black with light grey to white. Light grey to white quartz rich layers with dark green to black chlorite. Weak to moderately developed SCH-tig texture. With wispy cups of chlorite in quartz rich layers. Well foliated but locally moderately deformed. Unit is moderately faulted with a total loss of 1.75 m of core. Sharp lower contact with other SCH-i but loses SCH-tig texture. Coarse grained silvery sericite alteration along fracture surfaces.	ser	Wk			Sericite - coarse grained, silvery occurring along fracture surfaces.	N	EPy	0.1					Pyrite - medium grained, euhedral, partially to completely oxidized, disseminated.	0.5				
LS19-294	8	11.9	SCH-i		Dark green - grey with local white to light grey quartz rich layers. Lost above SCH-tig texture and become more massive. Original texture obliterated by alteration or structural. Unit is faulted at the lower half of interval - with a total loss of 1.20 m. Coarse grained silvery sericite becoming stronger in intensity as we go down interval. Gradational lower contact with SCH-i. Black / brown MnO coming in along fracture surfaces. Locally well crenulated at upper contact - 40 degree tca. Local weak SCH-tig texture. Local limonite staining as well as pitting with limonite infilling.	ser	Wk	mno	Tr	Sericite - coarse grained, silvery, getting stronger in intensity in more faulted zones. MnO - coming in along fractures. Limonite - occurring as local pitting as well as local staining.	N	EPy	0.1					Pyrite - fine grained, euhedral, completely oxidized, disseminated.	0				
LS19-294	11.9	13.5	SCH-f		Light green (possible altered foot wall felsic) well foliated. Local pitting with limonite infilling. Coarse grained silvery sericite - patchy and along fracture surfaces - getting stronger in intensity as we go down interval. Gradational lower contact with SCH-i and the development of SCH-tig texture.	ser	Wk	lim	Tr	Sericite - coarse grained, silvery, along fracture surfaces. Limonite occurring as local pitting.	N	EPy	0.1					Pyrite - fine to medium grained, euhedral, completely oxidized, locally clustered together.	5				
LS19-294	13.5	20.05	SCH-i	SCH-tig	Dark green and white - SCH-tig texture. White quartz rich layers with dark green chlorite forming wispy cups. Sericite altered - with coarse grained, silvery, increasing in intensity as we go down interval. Locally moderately deformed but well foliated. Local pitting infilled with limonite as well as patchy limonite staining. 0.2 m of core loss in this interval.	ser	Wk	lim	Tr	Sericite - coarse grained, silvery getting stronger in intensity as we go down interval. Limonite occurring as local pitting as well as staining. Carbonate is patchy trace mostly in quartz rich layers.	N	EPy	0.5					Pyrite - medium to coarse grained, euhedral, completely to partially oxidized, locally clustered as well as disseminated.	1				
LS19-294	20.05	28.05	SCH-f		Light to medium green with white (classic foot wall felsic). There are several cross cutting quartz veins in this interval. Well foliated throughout unit with light to dark green bands. Weakly faulted with small rubble zones with a total loss of 0.35 m. Skeletal texture at lower contact. White quartz porphyroblasts occurring at the lower contact - rounded, range in size - 2-5 mm wide. Starting at 27.50 to end of interval. Localized pitting with limonite infilling as well coming in along fracture surfaces and staining. Dark green around foliaform irregular scalloped quartz veins. Sharp lower contact.	lim	Tr	mno	Tr	Limonite - occurring in local pits as well as along fracture surfaces.	N	EPy	0.3					Pyrite - fine grained, locally clustered, completely oxidized, euhedral.	5				
LS19-294	28.05	37.4	SCH-i		Light to medium grey with local dark green and white. Appears to be a possible very altered SCH-f. Coarse grained, silvery sericite alteration. Weakly developed local SCH-tig texture. Local pitting with limonite infilling occurring in most of interval. Local band that is SCH-f at 36.55 to 36.62 m - light green in colour. Local well crenulated - 45 degrees tca and 37 degrees tca. Unit is weakly faulted with rubble zones and minor gouge - 1.55 m of core loss. Sharp lower contact with SCH-f. Moderate carbonate alteration clustered together near the lower contact that has been limonite stained making it a rusty orange. Also occurring at the lower contact is spotted chlorite texture. Well foliated but in more altered zones we see textural destruction making foliation hard to see.	ser	Mod	lim	Wk	Sericite - occurring as coarse grained, silvery. Limonite occurring as local pitting as well as staining carbonate alteration. Carbonate alteration is patchy occurring at the lower contact stained with limonite - locally strong to moderate in intensity.	N	EPy	0.1	Chl	0.1			Pyrite - euhedral, semi oxidized to completely oxidized, fine to medium grained, disseminated with small local clusters. Chlorite - occurring as spotted chlorite - locally up to 20% but trace over all. Only occurring at the lower contact.	1				
LS19-294	37.4	40.84	SCH-f		Light to medium green with white; Light to dark green banding. Local band of SCH-i at 37.71 to 38.07 m. Pitting infilled with limonite throughout interval. Sericite alteration - strong around SCH-i band and at lower contact occurring as coarse grained silvery. Local skeletal texture. Local semi-circular blebs of MnO. Unit is well foliated throughout interval. Unit is becoming faulted near end of interval with 0.55 m of loss. At upper contact appears to be out classic foot wall felsic but lower half is altered. Sharp upper contact. E.O.H.	ser	Tr	mno	Tr	Sericite - coarse grained, silvery, stronger at the fault zone as well in the SCH-i band. Mno - patchy blebs as well as coming in along quartz vein selvages.	N	EPy	0.1					Pyrite - fine grained, euhedral, completely oxidized, locally clustered.	3				
LS19-295	2.7	6.75	SCH-i	SCH-tig	med grey; strongly sericite altered; moderate to strong SCH-tig texture with crenulations separating chlorite wisps; gradational lower contact into SCH-ptm below; weak patchy oxidation, largely concentrated on fracture surfaces; weak patchy carb alteration; carb is limonite stained; local strong crenulations; faulted at top of interval, outlined in fault table; 0.5% dominantly rusted (minor fresh multigenerational) epy approx 1-4mm;	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% dominantly rusted (minor fresh multigenerational) epy approx 1-4mm;					
LS19-295	6.75	12.55	SCH-i	SCH-ptm	med grey; pygmatically folded silica in dominantly sericite matrix; strongly sericite altered; locally crenulated; weak patchy oxidation; weak patchy carb alteration; carb is limonite stained; massive multigenerational py clog at 10.27m with rusted rims and fresh core, py hosted within circular qtz sweat; 0.5% epy, some rusted and some fresh, approx 2-3mm;	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% epy, some rusted and some fresh, approx 2-3mm;					
LS19-295	12.55	16.3	SCH-i	SCH-tig	med grey; faulted at 14.3m, outlined in fault table; same as SCH-tig above; strongly sericite altered; moderate to strong SCH-tig texture with crenulations separating chlorite wisps; gradational lower contact into SCH-ptm below; weak patchy oxidation, largely concentrated on fracture surfaces; weak patchy carb alteration; carb is limonite stained; local strong crenulations; 0.5% dominantly rusted (minor fresh multigenerational) epy approx 1-4mm;	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% dominantly rusted (minor fresh multigenerational) epy approx 1-4mm;					
LS19-295	16.3	40.23	SCH-i	SCH-ptm	med grey; pygmatically folded silica in dominantly sericite matrix; strongly sericite altered; locally crenulated; weak patchy oxidation; weak patchy carb alteration, carb is limonite stained; 0.5% rusted epy, approx 2-3mm; faulted at end of interval, outlined in fault table	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% rusted epy, approx 2-3mm;					
LS19-296	3.4	10	SCH-i		Medium grey with strong and patchy limonite staining; locally crenulated; faulted interval, fault outlined in fault table; strongly pervasive sericite altered; 0.5% 1-3mm locally clustered completely oxidized Epy.	ser	Str	lim	Str	strong pervasive sericite alteration; strong patchy limonite alteration.	N	EPy	0.5					0.5% 1-3mm locally clustered completely oxidized Epy.					
LS19-296	10	29.35	SCH-f		Top of interval is medium green grey and fades into a light green grey; 11.90m - 16.65m porphyritic feldspar texture; fids approx 2-4mm; moderately foliated; 16.68m - 16.50m hematite in foliaform quartz; patchy limonite stained clay minerals in weathered portions; moderated patchy alteration throughout; faulted intervals, faults outlined in fault table; overall moderately sericite altered with strong patchy sericite alteration; 24.05m - 24.75m high concentration of foliaform quartz; bottom of interval is well foliated; 0.5% 1-2mm fully oxidized Epy; 1-2mm Epy in host rock, 2-4mm in foliaform quartz.	ser	Mod	lim	Mod	overall moderately sericite altered with strong patchy sericite alteration; patchy limonite stained clay minerals in weathered portions; moderated patchy alteration throughout	N	EPy	0.5					0.5% 1-2mm fully oxidized Epy; 1-2mm Epy in host rock, 2-4mm in foliaform quartz.					
LS19-296	29.35	32.5	SCH-f	SCH-tig	Medium green grey; tig texture; pervasive strong sericite alteration; moderate to strong limonite staining on clay minerals and carbonate infilling fractures and fracture surfaces; local faulted intervals, fault outlined in fault table; 0.5% 1-2mm clustered fully oxidized Epy; locally brecciated due to faulting;	ser	Str	lim	Mod	Patchy strong sericite alteration; moderate to strong limonite alteration; carbonate alteration strong in areas with strong limonite alteration	N	EPy	0.5					0.5% 1-2mm clustered fully oxidized Epy.					
LS19-296	32.5	50.29	SCH-f		light green to medium green grey colour; moderate sericite alteration increasing in intensity down hole; patchy limonite staining and infilling in fractures; locally faulted, fault outlined in fault table; 0.1% 1-2mm semi to completely oxidized Epy; 42.18 - 42.77m 0.5% Gallena along foliation and in stinger fractures 0.1 x 1 cm.	ser	Mod	lim	Mod	sericite alteration increases down hole; strong limonite alteration in patches	N	EPy	0.5	Gn	0.5			0.1% 1-2mm semi to completely oxidized Epy; 42.18 - 42.77m 0.5% Gallena along foliation and in stinger fractures 0.1 x 1 cm.					
LS19-297	2.65	8.94	SCH-i	SCH-ptm	Medium green with light rusty orange. Contorted foliation quartz bands. Uncommon, tectonized quartz bands. Pervasive strong sericite alteration. Pervasive limonite at the top interval. Uncommon carbonate stringers. Uncommon euhedral oxidized pyrite (up to 0.2 x 0.2 cm). Rare gallena up to 0.3 x 0.3 cm within a quartz sweat. Sharp irregular bottom contact.	ser	Str			Pervasive strong sericite alteration with moderate dispersed oxidation in the upper portion of the interval.	N	EPy	0.4	Gn	0.2			Euhedral oxidized pyrite.	5				
LS19-297	8.94	10.25	SCH-f		Light green. Wavy foliation. Euhedral oxidized pyrite up to 0.4 x 0.4 cm. Uncommon pitting along quartz sweat. Sharp planar bottom contact.						N	EPy	1					Euhedral oxidized pyrite.	0				
LS19-297	10.25	12.15	SCH-i	SCH-ptm	Medium sea green with contorted and quartz bands. Uncommon dispersed cream carbonate patches. Common, euhedral tarnished pyrite (up to 0.4 x 0.4 cm). Sharp planar bottom contact.	ser	Mod			Pervasive moderate sericite alteration.	N	EPy	2					Euhedral oxidized pyrite up to 0.4 x 0.4 cm.	1				
LS19-297	12.15	13.95	SCH-f		Light green. Wavy foliation. Euhedral oxidized pyrite up to 0.4 x 0.4 cm. Uncommon pitting along quartz sweat. Sharp irregular bottom contact.						N	EPy	2					Euhedral oxidized pyrite up to 0.4 x 0.4 cm.	0				
LS19-297	13.95	43.55	SCH-i	SCH-ptm	Medium sea green with contorted quartz bands. With local stringers of limonite. Pervasive strong sericite alteration. Dispersed euhedral oxidized pyrite with fresh pyrite internal to grains (up to 0.4 x 0.4 cm). Also contains euhedral fresh pyrite up to 0.5 x 0.5 cm. Pervasively crenulated throughout the interval. Local carbonate and ankerite stringers and patches. Local tectonized intervals, but less than 0.3 m.	ser	Str	carb	Wk	Pervasive strong sericite alteration with local ankerite and carbonate stringers and patches.	N	EPy	2					Euhedral oxidized pyrite up to 0.4 x 0.4 cm, some with fresh pyrite internal to grain. Uncommon tarnished pyrite in interval.	5				
LS19-297	43.55	46.13	SCH-f		Light green with faulted upper contact. Spotted chlorite at bottom of interval. Strong local sericite alteration at top of interval. Local limonite at the top of the interval parallel to foliation.	ser	Mod	lim	Wk	Strong local sericite alteration at top of interval. Local limonite at the top of the interval parallel to foliation.	N								2				
LS19-297	46.13	47.24	SCH-i		Medium green. Strong pervasive sericite alteration. Local Spotted chlorite at the top of the interval. Pervasive crenulation throughout interval. Local trace ankerite along foliation.	ser	Str	chl	Wk	Strong sericite alteration at the top of the interval with spotted chlorite at the top of the interval.	N												
LS19-298	1.8	29.6	SCH-i		major fault at top of interval outlined in fault table; strongly oxidized at top of interval; moderately well foliated; med grey where oxidation is not pervasive; moderate pervasive sericite alteration; weak patchy carb alteration; locally crenulated; 1% epy, some fully rusted, some with rusted rims and fresh core, approx 1-3mm; local weakly developed tig texture; oxidation not associated with fault is concentrated along fracture surfaces; patchy porphyritic albite approx 2-3mm, concentrated at 24.3-24.8m	lim	Str	ser	Mod	strong pervasive limonite alteration at top of interval and further downhole is concentrated along fracture surfaces; weak patchy carb alteration; moderate pervasive sericite alteration	N	EPy	1					1% epy, some fully rusted, some with rusted rims and fresh core, approx 1-3mm;					
LS19-298	29.6	30.7	SCH-i	SCH-lam	med grey; rhythmic laminations approx 2mm wide; weak patchy spotted chlorite texture; weakly oxidized interval; euhedral black magnetite crystals 1-3mm; weak patchy carb alteration; moderately sericite altered; typical SCH-lam unit	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration; weak pervasive limonite alteration	N	Mag	1					1% euhedral mag 1-3mm					
LS19-298	30.7	31.7	SCH-i	SCH-lam-nu	med grey; non-uniform laminations varying from 2-4mm wide; 0.5% euhedral magnetite crystals approx 1mm; weak patchy oxidation; moderately sericite altered; very weak patchy carbonate alteration;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; very weak patchy carb alteration	N	Mag	0.5					0.5% euhedral mag approx 1mm					

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
L519-298	31.7	31.9	SCH-m		dark grey green; strong pervasive carbonate alteration; appears to be an old dyke as contacts are parallel to foliation; minor limonite stained carb; moderately sericite altered; no apparent mineralization;	ser	Mod	carb	Str	strong patchy carb alteration; moderate pervasive sericite alteration	N							no apparent mineralization						
L519-298	31.9	37.4	SCH-i		light to med grey; irregular foliations with local crenulations; slightly bleached interval; strong pervasive sericite alteration; strong patchy carb alteration; carb is limonite stained; 0.5% epy and 0.5% apy; both appear fresh and multigenerational; clots up to 4mm long in elongate shape following foliation; faulted at end of interval detailed in fault table.	ser	Str	carb	Str	strong pervasive sericite alteration; strong patchy carb alteration; carb is limonite stained	N	EPy	0.5	APy	0.5			0.5% epy and 0.5% apy; both appear fresh and multigenerational, clots up to 4mm long in elongate shape following foliation;						
L519-298	37.4	40.4	SCH-i	SCH-ptm	major fault for most of interval; strong pervasive limonite alteration; pytmatically folded silica within darker sericite matrix; minor boxwork py 1-2mm, 0.5% fresh epy, some multigenerational, 2-3mm; moderately sericite altered; weak patchy carb alteration;	ser	Mod	lim	Str	moderate pervasive sericite alteration; strong pervasive limonite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% fresh epy, some multigenerational, 2-3mm;						
L519-298	40.4	40.9	QV		limonite stained QV containing abundant wall rock inclusions; likely foliaform qtz sweat; 2% rusted boxwork py; 0.5% epy, some entirely rusted, some with rusted rims and fresh cores;	lim	Mod				N	EPy	0.5					0.5% epy, some entirely rusted, some with rusted rims and fresh cores;						
L519-298	40.9	45.5	SCH-i		major fault throughout interval; intensely bleached SCH-i on footwall of fault; skeletal texture; very strong sericite alteration to light greenish colour, likely due to proximity to fault; locally crenulated;	ser	Str			very strong pervasive sericite alteration	N							no apparent mineralization						
L519-298	45.5	53	SCH-i	SCH-tec	light to med grey, gets darker downhole; tectonized/discontinuous silica in darker sericite matrix; weakly developed SCH-tig texture toward beginning of interval; strong sericite alteration; weak patchy limonite alteration; moderate patchy carb alteration; typical SCH-tec texture; increasing oxidation toward top of interval; limonite alteration concentrated on fracture surfaces downhole; 2% epy, 1% fresh epy <1mm and 1% fresh multigenerational epy 1-2mm;	ser	Str	carb	Mod	strong sericite alteration; weak patchy limonite alteration; moderate patchy carb alteration; increasing oxidation toward top of interval; limonite alteration concentrated on fracture surfaces downhole	N	EPy	2					2% epy, 1% fresh epy <1mm and 1% fresh multigenerational epy 1-2mm;						
L519-298	53	57.1	SCH-i		med silvery grey; moderate sericite alteration overall with strong patchy sericite alteration; weak limonite alteration concentrated on fracture surfaces; weak, irregular foliations; approx 5% foliaform qtz; 2% fresh epy 1-2mm, some align with foliation; one large multigenerational py grain at 56.0m ~1cm; locally crenulated; weak patchy carb alteration	ser	Mod	carb	Wk	med silvery grey; moderate sericite alteration overall with strong patchy sericite alteration; weak limonite alteration concentrated on fracture surfaces; weak patchy carb alteration	N	EPy	2					2% fresh epy 1-2mm, some align with foliation; one large multigenerational py grain at 56.0m ~1cm;	5					
L519-298	57.1	59.55	SCH-i	SCH-tec	tectonized/discontinuous silica in darker sericite matrix; moderate pervasive sericite alteration; increasing sericite alteration toward fault at top of next interval; weak patchy carb alteration; typical SCH-tec texture; limonite alteration concentrated on fracture surfaces downhole; trace fresh epy <1mm; minor carb veinlets infilling fractures; local weakly developed SCH-tig texture;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; increasing sericite alteration toward fault at top of next interval; weak patchy carb alteration; limonite alteration concentrated on fracture surfaces downhole;	N	EPy						trace fresh epy <1mm;						
L519-298	59.55	80	SCH-i		med grey; moderate sericite alteration overall with patchy strong sericite alteration; moderate patchy carb alteration; 5% fresh epy aligned with foliation, some multigenerational; minor carb veinlets ~2mm infilling fractures; locally crenulated; local spotted chlorite texture at 87.5-88.1m; several apparent fold hinges;	ser	Mod	carb	Mod	moderate sericite alteration overall with patchy strong sericite alteration; moderate patchy carb alteration;	N	EPy	5					5% fresh epy aligned with foliation, some multigenerational;						
L519-298	80	84	SCH-i	SCH-lam	med grey; moderate sericite alteration; moderate patchy carb alteration; minor carb veinlets ~2mm infilling fractures; 5% fresh Epy aligned with foliation	ser	Mod	carb	Mod	moderate sericite alteration; moderate patchy carb alteration.	N	EPy	5					5% fresh Epy aligned with foliation						
L519-298	84	88	SCH-i		loses SCH-lam texture; med grey; moderate sericite alteration; moderate patchy carb alteration; minor carb veinlets ~2mm infilling fractures; 5% fresh Epy aligned with foliation; mag anomaly 1.6 at 85m	ser	Mod	carb	Mod	moderate sericite alteration; moderate patchy carb alteration.	N	EPy	5											
L519-298	88	89.92	SCH-i	SCH-lam	med grey; moderate sericite alteration; moderate patchy carb alteration; minor carb veinlets ~2mm infilling fractures; 5% fresh Epy aligned with foliation	ser	Mod	carb	Mod	moderate sericite alteration; moderate patchy carb alteration.	N	EPy	5											
L519-299	2.6	15.8	SCH-f		light green grey, classic SCH-f; major fault throughout entirety of interval detailed in fault table; strongly foliated; foliaform qtz outlined by chlorite; moderately sericite altered; trace rusted epy <1mm	ser	Mod			moderate pervasive sericite alteration	N	EPy						trace rusted epy <1mm						
L519-299	15.8	18.8	SCH-f	SCH-tig	light grey; poorly to moderately developed SCH-tig texture; very strongly sericite altered; weak patchy faulting outlined in fault table; weakly limonite altered, mainly on fracture surfaces; trace rusted epy 1-2mm; moderate fabric/foliation development	ser	Str	lim	Wk	strong pervasive sericite alteration, weak limonite alteration mainly concentrated on fracture surfaces	N	EPy						trace rusted epy 1-2mm						
L519-299	18.8	33.2	SCH-i		VG in xct QV outlined in vein table at 22.48m; med grey, becoming darker downhole; few SCH-m intervals <10cm (possible old dykes?) at 21.85m, 22.6m and 23m; moderately sericite altered; well developed foliation; local crenulations; weak patchy carb alteration; 1% fresh epy 1-3mm, some multigenerational; local spotted chlorite; major fault at end of interval outlined in fault table.	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration	Y	EPy	1					1% fresh epy 1-3mm, some multigenerational						
L519-299	33.2	52.7	SCH-i	SCH-tec	med grey and rusted throughout interval due to strong pervasive oxidation; classic SCH-tec texture with discontinuous, ductily deformed silica in darker sericite matrix; moderate sericite alteration; 1% rusted epy 1-3mm; abundant boxwork py; locally crenulated; patchy faulting throughout interval outlined in fault table; med grey; weakly to moderately developed SCH-lam texture; patchy spotted chlorite texture; weak patchy limonite alteration mainly on fracture surfaces; moderate sericite alteration; weak patchy carb alteration; 5% pyrite, half epy, some rusted and some fresh, half apy, all fresh, some multigenerational, py mainly follows foliation; bleached interval at 57.0-57.45m; weakly foliated, some foliations irregular;	ser	Mod	lim	Str	moderate pervasive sericite alteration; strong pervasive limonite alteration;	N	EPy	1					d silica in darker sericite matrix; moderate sericite alteration;						
L519-299	52.7	63	SCH-i	SCH-lam	med grey; weakly to moderately developed SCH-lam texture; patchy spotted chlorite texture; weak patchy limonite alteration mainly on fracture surfaces; moderate sericite alteration; weak patchy carb alteration; 5% pyrite, half epy, some rusted and some fresh, half apy, all fresh, some multigenerational, py mainly follows foliation; bleached interval at 57.0-57.45m; weakly foliated, some foliations irregular;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration; limonite alteration on fracture surfaces	N	EPy	2.5	APy	2.5			5% pyrite, half epy, some rusted and some fresh, half apy, all fresh, some multigenerational, py mainly follows foliation;	1					
L519-299	63	69.3	SCH-i		med grey; poorly developed and locally irregular foliations; minor bleaching toward top of interval; locally crenulated; weak patchy carb alteration; carb veinlets 1-2mm infilling fractures; moderate patchy limonite alteration; minor fault in interval outlined in fault table; 2% fresh epy <1mm; moderate sericite alteration; local chlorite banding at 65.3m;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration; moderate patchy limonite alteration	N	EPy	2					2% fresh epy <1mm						
L519-299	69.3	75.9	SCH-i	SCH-lam	med grey; weakly to moderately developed SCH-lam texture; patchy spotted chlorite texture; moderate sericite alteration; weak patchy carb alteration; 5% pyrite, half epy, some rusted and some fresh, half apy, all fresh, some multigenerational, py mainly follows foliation; weakly foliated, some foliations irregular; 1% euhedral magnetite 1-2mm, mag anomaly at 74m of 24.8; patchy chlorite banding;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration;	N	EPy	2.5	APy	2.5			5% pyrite, half epy, some rusted and some fresh, half apy, all fresh, some multigenerational, py mainly follows foliation;						
L519-299	75.9	84.5	SCH-i		med grey; moderately foliated; strong patchy carb alteration; moderate sericite alteration; patchy LIST altered including fuchsite, carb and py; locally crenulated; high abundance of py due to LIST alteration, up to 7-8% of fresh epy 1-2mm;	carb	Str	list	Mod	moderate pervasive sericite alteration; strong patchy carb alteration; moderate patchy LIST alteration	N	EPy	8					high abundance of py due to LIST alteration, up to 7-8% of fresh epy 1-2mm;						
L519-299	84.5	86.55	SCH-i	SCH-lam	light grey; moderately to well developed foliations; weakly developed SCH-lam texture; 2% fresh epy <1mm, pyrite follows foliation; moderate sericite alteration; patchy weak crenulations; very weak patchy carb alteration; xct QV outlined in vein table	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration	N	EPy	2					2% fresh epy <1mm, pyrite follows foliation						
L519-299	86.55	122.7	SCH-i		light grey; weakly and irregularly foliated; moderate patchy carb alteration, likely associated with LIST alteration; moderate sericite alteration; patchy LIST altered including fuchsite, carb and py; locally crenulated; high abundance of py due to LIST alteration, up to 7-8% of fresh epy 1-3mm;	list	Mod	ser	Mod	moderate pervasive sericite alteration; moderate patchy carb alteration; moderate patchy LIST alteration	N	EPy	8					high abundance of py due to LIST alteration, up to 7-8% of fresh epy 1-3mm;						
L519-299	122.7	129.54	SCH-f		classic light green SCH-f; patches of higher concentrations of foliaform qtz; overall approx 10% but locally up to 30%; locally crenulated; 0.5% fresh epy <1mm; moderate sericite alteration; very weak patchy alteration; strong, well developed foliations;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% fresh epy <1mm						
L519-300	3.35	9.83	SCH-f		light sea green. Planar foliated. Highly faulted interval. Uncommon boxwork pyrite up to 0.5 cm, occurs around quartz sweat.	lim	Wk			Weak, local limeonite along fractures.	N	EPy	0.2					Local, oxidized Epy in wall rock, up to 0.4 cm.	10					
L519-300	9.83	10.36	QV		Milk white quartz with light green wall rock inclusions. Quartz has fractures infilled with limonite or 2nd generation quartz. Possible quartz sweat, but difficult to tell due to broken contacts. Wall rock chlorite extends into quartz. Uncommon vugs up to 0.8 cm.	lim	Wk	mno	Tr	weak limeonite stringers along fractures. MnO along contacts with wall rock.	N	EPy	0.4					Local oxidized Epy up to 0.3 cm.						
L519-300	10.36	13.21	SCH-f		Light sea green. Planar foliated. Highly faulted interval entirely rubble interval with 0.55 m of core loss.	lim	Wk	mno	Tr	Weak, local limeonite along fractures with trace amount of MnO as well.	N	EPy	0.2					Local oxidized Epy up to 0.3 cm.	10					
L519-300	13.21	29.85	SCH-i	SCH-lam	Medium sea green. Upper portion of interval to 18.9 m is pervasively and strongly sericite altered. Local pitting infilled with limonite. Pervasive planar laminated foliation.	lim	Wk	carb	Tr	Weak, local limeonite along fractures. Local, weak ankaranite stringers and patches at top of interval. Possible trace hematite staining at 26-26.25 m.	N	EPy	0.2					Local oxidized Epy up to 0.3 cm.	10					
L519-300	29.85	30.17	SCH-m		Greenish black. Weakly planar foliated. Sharp planar contacts that follow foliation.	carb	Mod	ser	Mod	Pervasive, moderate, patchy carbonate. Moderate pervasive sericite alteration. Trace oxidation dispersed throughout interval.	N								0					
L519-300	30.17	32.7	SCH-i	SCH-lam	Medium sea green. Planar laminated foliation. Thin intervals of SCH-m at the top of the interval to 31.33 m.	carb	Wk			Local strong carbonate patches in thin SHC-m intervals at top of interval. Dispersed ankaranite stringers throughout interval.	N								5					
L519-300	32.7	32.83	SCH-m		Greenish black. Weakly planar foliated. Sharp planar contacts that follow foliation.	carb	Str	lim	Tr	Pervasive strong carbonate patches. Trace limeonite along foliation and in pits.	N								0					
L519-300	32.83	37.58	SCH-i		Medium green to light green. planar to wavy non-uniform foliation. Thin intervals of SCH-m at 37.03 - 37.10 m.	carb	Wk	chl	Wk	Pervasive ankaranite, parallel to foliation. Local spotted weak chlorite. Weak pervasive sericite alteration.	N	EPy	0.2					Dispersed, trace, fine grained fresh Epy up to 0.2 cm.	5					
L519-300	37.58	37.9	SCH-m		Greenish black. Weakly planar foliated. Sharp planar contacts that follow foliation.	carb	Str			Pervasive, strong, patchy, calcite and ankaranite. Carbonate patches up to 0.3 cm.	N								0					
L519-300	37.9	49.27	SCH-i		Medium sea green Planar to wavy foliation. Quart content increases gradually from the top of the interval to 42.60, but also decreases gradually to the bottom of the interval.	carb	Mod	ser	Str	Pervasive, moderate, ankaranite that is parallel to the foliation. Pervasive, strong foliation.	N								10					
L519-300	49.27	51.47	SCH-f		Light sea green. planar to wavy foliated. Sharp upper and lower contact that follow foliation.	ser	Str	lim	Tr	Pervasive, strong, sericite alteration. Trace limonite along quartz veins and fractures.	N	EPy	0.2					Trace Epy, up to 0.1 cm.	15					
L519-300	51.47	58.98	SCH-i		Light sea green. planar to wavy foliated. Sharp upper and lower contact that follow foliation. Locally crenulated.	ser	Str	carb	Wk	Pervasive strong sericite alteration with local perly white sericite alteration. Local intervals of spotty limeonite and strong alteration along fracture surfaces. Local strong interval of carbonate alteration at the top of the interval. MnO along fracture surfaces.	N	EPy	0.2					Trace, dispersed, Epy up to 0.3 cm.	5					
L519-300	58.98	59.07	SCH-m		Black with a greenish hue. Weakly foliated.	ser	Str	carb	Str	Pervasive strong sericite alteration. Pervasive strong patchy, up to 0.3 cm, carbonate alteration.	N								0					
L519-300	59.07	59.58	SCH-i		Medium sea green. planar to wavy foliated. Sharp upper and lower contact that follow foliation.	lim	Wk	mno	Tr	Pervasive weak, spotty limeonite. Local, abundant limeonite along fracture planes.	N	EPy	0.2					Trace, oxidized Epy dispersed throughout interval. Epy up to 0.3 cm.	5					
L519-300	59.58	59.67	SCH-m		Black with a greenish hue. Weakly foliated.	carb	Str	lim	Tr	Pervasively strongly carbonate altered. Trace, dispersed, spotted, limonite. Pervasive weakly sericite alteration.	N								0					
L519-300	59.67	59.75	SCH-i		Rubble interval with no competent core. Medium green. Planar to wavy foliated.	lim	Wk	ser	Str	Pervasive weak, spotty limeonite. Strong, pervasive, sericite alteration.	N								0					
L519-300	59.75	60.01	QV		Massive white quartz with walk rock inclusions up to 3-2 cm.	carb	Mod			Local, blebs and stringers of ankaranite throughout qv.	N	EPy	0.2					Oxidized Epy up to 0.2 cm. Mostly occurs around ankaranite.	0					
L519-300	60.01	61.39	SCH-i		Medium sea green. planar to wavy foliated. Sharp upper and lower contact.	ser	Str	carb	Tr	Pervasive strong sericite alteration. Local, trace bands of ankaranite.	N	EPy	0.2						0					
L519-300	61.39	61.83	SCH-m		Black with white spots. Sharp upper and lower contacts that follow foliation. Wavy foliation.	carb	Str	ser	Mod	Pervasive strong carbonate alteration. Local ankaranite that follows parallel to foliation.	N								0					
L519-300	61.83	65.95	SCH-i		Medium sea green. planar to wavy foliated. Sharp upper and lower contact. Local pitting infilled with limonite. Dispersed common feldspar porphyroblasts, up to 0.4 cm.	ser	Str	carb	Tr	Pervasive strong sericite alteration. Local spotty carbonate, as well as ankaranite filled stringer fractures.	N	EPy	0.2					Trace oxidized Epy up to 0.3 cm, mostly concentrated along darker more mafic-rich bands.	0					
L519-300	65.95	66.46	SCH-m		Black with white spots. Sharp upper contact, gradational lower contact. Contacts follow foliation.	carb	Str	ser	Mod	Pervasive strong carbonate alteration. Local ankaranite that follows parallel to foliation.	N								0					
L519-300	66.46	86.81	SCH-i		Medium sea green. Planar to wavy foliated with feldspar porphyroblasts up to 0.4 cm. Upper portion of interval has bands of silica-rich and silica poor bands.	chl	Tr	carb	Wk	Local spotted chlorite. Local carbonate infilling fractures, as well as forming pervasive patches. Pervasive moderate to strong sericite alteration. Local hematite staining at around 75.40 m.	N	EPy	0.5	Mag	0.5	Gn	0.2	Pervasive fresh Epy, preferentially concentrated along darker bands in interval. Epy up to 1.3 cm. Local, euhedral, magnetite around 76-77 m, up to 0.3 x 0.3 cm. Trace, euhedral, galena in quartz seats.	5					
L519-300	86.81	89.92	SCH-i	SCH-tig	Green with a deep orange and yellow hue. Faulted interval, with pervasive oxidation and broken and contorted foliation.	oxi	Str	ser	Str	Pervasive strong oxidation along with pervasive strong sericite alteration throughout interval.	N	EPy	0.2	Gn	0.2			Local Epy up to 0.2 cm. Galena in a quart vein, up to 0.3 cm.	5					
L519-300	89.92	103.47	SCH-i	SCH-ptm	Medium green with contorted and folded white quartz bands. Top of interval has a light green alteration, soft green micas.	ser	Str	carb	Str	Pervasive strong patchy and banded carbonate alteration. Strong pervasive sericite alteration. Moderate oxidation around fault interval from 99.06 to 99.86 m.	N	EPy	1	Gn	0.2			Dispersed fresh Epy up to 0.4 x 0.4. Locally, Epy is concentrated along darker more mafic rich bands, here, Epy can reach be concentrated up to 2%. Local trace Galena along a quartz vein.	10					
L519-300	103.47	119.53	SCH-i	SCH-lam	Medium sea-green with dark black and white bands. Planar to wavy uniform foliation. Bottom 2 m of the interval contains more quartz and is lighter in color. Fracture network from 110 - 111 m. Some fractures have very minor offset <0.5 cm.	ser	Str	carb	Wk	Pervasive strong sericite alteration. Local, weak, patchy carbonate. Local listwinite alteration at 113 - 113.50 m.	N	EPy	2					Dispersed fresh Epy, locally up to 3-5%, mostly dispersed, 1%, as very-fine grained	10					
L519-300	119.53	135.29	SCH-i		Medium sea-green with planar to wavy non-uniform foliation. Local (25 cm thick) intervals of SCH-f. Local pitting along carbonate stringers. Bottom ~1.5 m of interval is tectonized.	list	Str	ser	Mod	Local, strong listwanite alteration from 123.74 - 124.45 m. Very strong mosaic texture of carbonate, fucisite and pyrite. Carbonate patches up to 0.8 x 0.8 cm. Epy up to 0.3 cm. fucisite is a bright green and can take up to 15-20%, cabonate up to 5-15%, and Epy up to 2-8%. Rest of interval has strong pervasive sericite alteration. Carbonate stringers also dispersed throughout interval.	N	EPy	3					Local, strong listwanite alteration from 123.74 - 124.45 m. Very strong mosaic texture of carbonate, fucisite and pyrite. Carbonate patches up to 0.8 x 0.8 cm. Epy up to 0.1 cm. fucisite is a bright green and can take up to 15-20%, cabonate up to 5-15%, and Epy up to 2-8%. Rest of interval has strong pervasive sericite alteration. Carbonate stringers also dispersed throughout interval.	10					
L519-300	135.29	140.21	SCH-f		Light green. Planar foliated to slightly wavy foliated. Minor fault breccia at the top of the interval. Pitting and vugs along fractures, euhedral quartz crystals infill open cavity space. Local carbonate with quartz stringer fractures.	carb		Tr		Trace carbonate infills stringer fractures.	N	EPy	0.1					Trace, local Epy, very-fine grained.	5					
L519-301	0	6.1	OVb		warped rubble, one piece is size HTW from casing shoe, felsic lith.	sil		Str			N													
L519-301	6.1	16.5	SCH-f		classic pale green, well developed foliation. plentiful qtz sweat, disseminated fine grained pyrite.	oxi	Mod	sil	Str	moderate orange limonite staining, with MnO towards end of interval.	N	EPy						trace medium grained rusty cubes of disseminated pyrite.	60					
L519-301	16.5	16.76	BAS		sharp contact very dark basalt with orange micro fractures. phytic equigranular plagioclase in random orientations. magnetized.	oxi	Mod			FeO and MnO visible on fresh fractured faces and in micro fractures.	N	PI	5	Mag				phyric equigranular plagioclase in random orientations. magnetized.						
L519-301	16.76	18.1																						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
LS19-301	18.1	19.8	BAS		sharp contact very dark basalt with orange micro fractures. phyrlic equigranular plagioclase in random orientations. magnetized.	oxi	Mod			FeO and MnO visible on fresh fractured faces and in micro fractures.	N	PI	5	Mag				phyrlic equigranular plagioclase in random orientations. magnetized.						
LS19-301	19.8	23.5	SCH-i	SCH-tec	silicified SCH-i with limonite and MnO staining and no primary orientation of deformation.	oxi	Mod	ser	Str	silver sericite. MnO and FeO. moderately silicified.	N	EPy						trace fine grained rusty cubes of disseminated pyrite.	50					
LS19-301	23.5	24	BAS		sharp contact very dark basalt with orange micro fractures. phyrlic equigranular plagioclase in random orientations. magnetized.	oxi	Mod			FeO and MnO visible on fresh fractured faces and in micro fractures.	N	PI	5	Mag				phyrlic equigranular plagioclase in random orientations. magnetized.						
LS19-301	24	26.9	SCH-i	SCH-tec	silicified SCH-i with limonite and MnO staining and no primary orientation of deformation.	oxi	Mod	ser	Str	silver sericite. MnO and FeO. moderately silicified.	N	EPy						trace medium grained rusty cubes of disseminated pyrite.	50					
LS19-301	26.9	28.1	SCH-m		very dark green. very oxidized. abundant fractured rubble. abundant fine grained red spots and open spaces from rusted iron oxide (anhydral pyrite?). no carbonate.	oxi	Str	ser	Str	coarse grained silver sericite throughout. MnO, FeO, and small open spaces from oxidation.	N							no significant mineralization.	10					
LS19-301	28.1	30.3	SCH-i	SCH-tig	strongly sericitized. wispy pale green chlorite. abundant qtz.	oxi	Mod	ser	Str	rock mainly consists of sericite. MnO and FeO very common.	N							no significant mineralization.	30					
LS19-301	30.3	32.25	BAS		sharp contact very dark basalt with orange micro fractures. phyrlic equigranular plagioclase in random orientations. magnetized. brown at 18m from limonite.	oxi	Mod			FeO and MnO visible on fresh fractured faces and in micro fractures.	N	PI	5	Mag				phyrlic equigranular plagioclase in random orientations. magnetized.						
LS19-301	32.25	39	SCH-f		darker green than normal felsic unit. orange stained throughout. serrated contacts on qtz sweets. well developed foliation. zones of white quartz eyes common in patches. strong crenulation at top of interval.	oxi	Mod			orange FeO stains throughout. orange and black spots from FeO and MnO common.	N	EPy		Qtz	5			trace rusty fine grained cubes of pyrite. highest concentration at 33.3m. white qtz eyes up to 5%.	50					
LS19-301	39	73.15	SCH-i		grey-green color. orange staining throughout. first carbonate appearance in this hole.	oxi	Mod	carb	Wk	weak localized patchy carbonate. orange FeO stain throughout. MnO only visible on fresh surfaces. foliation is generally wavy/irregular due to crenulation deformation. local strong sericite at 62m. weak spotted chlorite at 49m and 71m-77m.	N	EPy	1					trace rusty fine grained cubes from 53m-54m. shiny cubes of pyrite first appear at 59m and continue on past end of interval, localized patches up to 1%.	40					
LS19-301	73.15	78.6	SCH-f		darker green than normal felsic unit. serrated contacts on qtz sweets. weak spotted chlorite at 76.5m. zone of abundant qtz sweets from 77m-78.5m.	oxi	Wk	carb	Wk	weak oxidation on fresh surfaces. weak patchy carb starting at 77m in qtz sweat zone. weak spotted chlorite at 76.5m.	N	EPy	0.5	Cal	0.5			disseminated fine grained shiny cubes of pyrite up to 0.5%. calcite veinlets and in qtz sweets.	60					
LS19-301	78.6	80.9	SCH-i		classic grey SCH-i.	carb	Wk			weak pervasive carb. vein of strong calcite at 80.5m.	N	EPy		Cal	0.5			trace fine grained shiny pyrite cubes. calcite veinlet at 80.5m.	45					
LS19-301	80.9	82.6	QV Zone		quartzite? no carbonate. highly bleached and silicified unit. this could possibly be an old metamorphosed qtz vein. its grey in color not like the milky white qtz that is typical with this area. more than average pyrite content. most likely hosting gold. possible quartz pooling in fold nose via structural trap. pyrite is disseminated and not clustered.	ble	Str	sil	Str	bleached and silicified.	N	EPy	2					medium-coarse grained shiny euhedral pyrite cubes up to 2% locally. there is more than average pyrite in this interval.						
LS19-301	82.6	89.3	SCH-i		top of interval is gradational from QV zone into SCH-i. pyrite is very common near top of interval. cluster of spotted chlorite (4%) from 83m-84m. plag phenocrysts become common after the quartz zone alteration has completely subsided.	sil	Mod	chl	Mod	about 4% spotted chlorite and silica from qv zone from 82.6m-84m.	N	EPy	1.5	Cal		PI	3	fine to very coarse grained cubes of shiny pyrite from QV zone. locally up to 1.5%. most likely gold bearing. trace calcite at 84.1m. plag phenocrysts common from 84.1m-89.3m.	55					
LS19-301	89.3	89.8	MDYK		old mafic dyke. sharp contacts with neighboring SCH-i. very dark banded chlorite and old altered biotite. calcite blobs very common.	carb	Str	bio	Mod	bands of dark chlorite and biotite. carbonate blobs throughout.	N	Cal	5					calcite blobs.						
LS19-301	89.8	143.4	SCH-i		moderately silicified for the majority of this unit. there is a substantial amount of fold noses visible from 97m-107m. old mafic dyke appears in short intervals with irregular contacts, most likely as a result of folding. mafic dykes from: 91.4m-92.2m, 94.1m-94.15m, 96.95m-97.1m, 107.85m-107.95m, 108.2m-108.45m. after this there is possibly more appearances but with gradational contacts (less confidence). possible SCH-f interval from 121.4m-125.75m; this unit looks more like SCH-i altered with coarse grained chlorite and bleached to me. there is a qtz sweat from 131.15m-131.2m that displays weak hematite staining. 3% epidote, 2% fine grained euhedral pyrite, and most likely contains microscopic gold. there is a substantial amount of pyrite the later portion of this interval, starting from about 124m and goes on until past the end of interval.	chl	Mod	ser	Mod	there are some areas that have coarse grained chlorite that appear to look like SCH-f. they sometimes have spotted chlorite inside as well. these intervals usually have sericite enclosing the intervals. trace hematite at 132.2m. moderate carbonate in patches randomly throughout (calcite).	N	EPy	3	Ep		Mag		fine to very coarse grained shiny euhedral pyrite cubes up to 3% (maybe more) locally. pyrite zone starts at about 124m and continues on past end of interval. trace epidote in qtz sweat at 132.2m. trace magnetite from 134m-136m.	45					
LS19-301	143.4	143.9	SCH-f		classic pale green SCH-f.	chl	Mod	sil	Str		N								55					
LS19-301	143.9	144.4	QV		milky white qtz vein sandwiched together by two short felsic units. the majority of this vein looks like white bull qtz, with open space from pyrite selvage boxwork. the very end of the vein has a creamy pink colored carbonate that only fizzes with HCl when scratched. there are at least four large sized pyrite cubes in this pink carbonate.	carb	Tr			trace creamy pink carbonate - maybe rhodocrosite.	N	EPy	1					large cubes of pyrite stuck inside carbonate.						
LS19-301	144.4	144.78	SCH-f		classic pale green SCH-f.	chl	Mod	sil	Str		N								55					
LS19-301	144.78	152.9	SCH-i	SCH-tig	wispy dark green chlorite strongly deformed by crenulations. coarse grained sericite very common throughout.	chl	Mod	ser	Str	dark wispy chlorite. coarse grained sericite throughout.	N	EPy	0.5					fine grained disseminated pyrite up to 0.5% locally.	50					
LS19-301	152.9	166.3	SCH-i	SCH-tec	random orientation fabric. thick foliaform qtz. disseminated pyrite throughout. carbonate in small patches.	carb	Tr	ser	Str	strong coarse grained sericite flowing through core as bands. trace carbonate patches.	N	EPy	1					fine grained disseminated pyrite up to 1% locally at around 163.8m.	60					
LS19-301	166.3	176.78	SCH-i		classic grey-green SCH-i. well developed foliation and laminated. disseminated fine grained pyrite throughout. some areas have brass scratches from drill bit.	ser	Mod			moderate coarse grained sericite.	N	EPy	1					fine grained disseminated pyrite up to 1% locally.	50					
LS19-302	3.5	11.65	SCH-i		med grey. foliations in interval range from weakly to well developed; patchy faulting throughout interval detailed in fault table; strongly oxidized at top of interval and decreasing downhole with the exception of fracture surfaces; moderate sericite alteration; local porphyroblastic qtz and feldspar 1-4mm; very weakly developed SCH-tig texture at lower contact; 0.5% rusted epy ~1mm; weak patchy carb alteration	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration	N	EPy	0.5					0.5% rusted epy ~1mm						
LS19-302	11.65	28.1	SCH-f		light greyish green; exhibits same characteristics as classic FW felsic; faulted throughout interval, outlined in fault table; moderate sericite alteration; trace rusted epy ~1mm; well developed foliations;	ser	Mod			moderate pervasive sericite alteration	N	EPy						trace rusted epy ~1mm						
LS19-302	28.1	44.2	SCH-i		light to med grey; becomes darker grey downhole; strong pervasive sericite alteration; weakly developed foliations; weak patchy limonite stained carb alteration; locally crenulated; patchy faulting throughout interval outlined in fault table; trace rusted epy <1mm	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy limonite stained carb alteration;	N	EPy						trace rusted epy <1mm						
LS19-302	44.2	44.85	SCH-m		appears to be two old mafic dykes (contacts appear foliaform); dykes are dark grey and contain strong patchy limonite stained carb alteration; silver of surrounding SCH-i between dykes; trace fresh epy <1mm; moderately sericite altered;	ser	Mod	carb	Str	moderate pervasive sericite alteration; strong patchy limonite stained carb alteration	N	EPy						trace fresh epy <1mm						
LS19-302	44.85	50.3	SCH-i		light to med grey; patchy spotted chlorite texture; weakly developed foliations; moderately sericite altered; weak patchy limonite stained carb alteration; 1% rusted epy 1-4mm; carb veinlets <1mm infilling fractures;	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy limonite stained carb alteration	N	EPy	1					1% rusted epy 1-4mm						
LS19-302	50.3	50.75	SCH-m		appears to be two old mafic dykes (contacts appear foliaform); dykes are dark grey and contain strong pervasive carb alteration; silver of SCH-i between dykes; trace fresh epy <1mm; moderately sericite altered;	ser	Mod	carb	Str	moderate pervasive sericite alteration; strong pervasive carb alteration	N	EPy						trace fresh epy <1mm						
LS19-302	50.75	56.4	SCH-i		light grey with small intervals of darker grey intermediates; weakly developed foliations; patchy faulting outlined in fault table; locally crenulated; crenulations separate chlorite, developing very weak SCH-tig texture; weak patchy carb alteration, some carb is limonite stained; moderate sericite alteration; limonite alteration on fracture surfaces within fault; trace rusted epy ~1mm	ser	Mod	carb	Wk	weak patchy carb alteration, some carb is limonite stained; moderate pervasive sericite alteration	N	EPy						trace rusted epy ~1mm						
LS19-302	56.4	69.3	SCH-f		light greyish green; resembles classic FW felsic; locally crenulated; moderately sericite altered; well foliated; tr rusted epy <1mm; weak patchy carb alteration; patchy faulting throughout interval outlined in fault table	ser	Mod	carb	Wk	moderate pervasive sericite alteration; weak patchy carb alteration	N	EPy						trace rusted epy <1mm						
LS19-302	69.3	100.58	SCH-i		light grey; strong sericite alteration; weakly developed/deformed foliations; very weak patchy SCH-tig texture; trace rusted epy <1mm; carb infilling fractures and weak patchy carb alteration throughout rock matrix; 71.7-72.0m small cm-scale old dykes, highly carb altered, locally up to 10% multigenerational apy following foliation up to 3cm long and 0.5cm wide.	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration;	N	EPy		APy				trace rusted epy <1mm; locally up to 10% multigenerational apy following foliation up to 3cm long and 0.5cm wide;						
LS19-303	0	3.5	OVB		Rounded and re-drilled pieces of SCH-f (classic) as well as a bleached out SCH-yel overprinted SCH-f.						N													
LS19-303	3.5	11.95	SCH-f		Classic foot wall felsic. Medium to pale green with local laminations of differing shades of green (pale green to white to medium green) as well as sections of more massive. Locally bleached near white in color with a SCH-yel overprint - occurring near start of interval. Unit is well faulted throughout with a total loss of 2.35m. Milky white foliaform quartz sweets have scalloped edges with a dark green along the vein selvages. Patchy trace MnO coming in along fracture surfaces. Sharp lower contact with SCH-f / SCH-yel with a change from green to white. Patchy pitting with limonite infilling.	ser	Wk	lim	Tr	Sericite - local coarse grained silvery sericite forming an overprint; Limonite occurring in patchy pitting. MnO coming in along fracture surfaces.	N	EPy	0.1					Pyrite - fine to medium grained, euhedral, completely oxidized, disseminated.	5					
LS19-303	11.95	21.05	SCH-f	SCH-yel	Not the foot wall felsic - possible a very bleached out foot wall felsic. Cream colored with patchy grey bands with a strong SCH-yel overprint - coarse grained silvery to pearly white sericite. Unit is well faulted but at lower contact becoming more competent. There is a total loss of 2.6 m over this interval. Local zone of classic medium green SCH-f occurring at - 19.5 - 19.75 m. Locally well foliated as. Foliation is pulled sub parallel at 15.55 to 15.90 m. Black MnO coming in along fracture surfaces - occurring as circular spots. Patchy limonite occurring throughout this interval as well as occurring as local pitting. Sharp lower contact with SCH-f / yel (change in color to a light grey/blue).	ser	Mod	lim	Wk	Sericite - occurring throughout interval as pearly white to silvery, coarse grained overprint. Limonite - occurring as patchy staining throughout interval. MnO - occurring along fracture surfaces - circular spots.	N									1				
LS19-303	21.05	23.7	SCH-f	SCH-yel	Not the foot wall felsic. Similar to above SCH-f but not as bleached. Light grey - blue SCH-f. Locally laminated to banded at upper and lower contacts becoming more deformed in the middle of unit. Patchy carbonate alteration (white) stained with limonite making it a light rusty orange to white - due to pyrite occurring in alteration that has been completely oxidized. Locally moderately crenulated - 40 degrees tca. Minor faulting near the top of the interval with a small 5 cm wide rubble zone.	ser	Wk	carb	Wk	Sericite - occurring as a weak overprint. Carboante - patchy stained with limonite - occurring in the middle of interval predominantly.	N	EPy	0.1					Pyrite - euhedral, fine to medium grained predominantly occurring in carbonate alteration, locally clustered together.	3					
LS19-303	23.7	24.4	SCH-m		Old mafic dyke that has become conformable with above SCH-f occurring as slices in between the dykes. Dark green, massive SCH-m with strong carbonate alteration rusty orange to white in color occurring as semi circular blebs disseminated throughout.	carb	Str	lim	Wk	Carbonate - stained with limonite, occurring as blebs throughout interval. Limonite staining carbonate alteration.	N	EPy	0.5				</							

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)			
LS19-303	105.85	106.5	QV Zone		Large interconnected quartz sweats; the sweat is only occurring on half of the core with the other half as SCH-i - with local fold noses, milky white, with weak carbonate alteration, Pyrite is disseminated in the schist as well as in the sweat - up to 2%.	carb	Tr			Carbonate occurring as stringers as well as patchy blobs.	N	EPy	2					Pyrite - euhedral, medium grained, disseminated, fresh.	65							
LS19-303	106.5	112.45	SCH-f		Not the classic foot wall felsic. Pale grey with a light green tinge with abundant milky white quartz sweats. This unit is weakly deformed with local fold nose at 106.95 - 107.05 m. Unit is moderately foliated but locally more massive in texture. In the lower half of the interval we see common cross cutting carbonate stringers. Gradational lower contact with SCH-i/ Yel. Very trace galena occurring in a quart sweat near end of interval.	carb	Tr			Carbonate occurring as cross cutting stringers.	N	EPy	0.1	Gn	0.1			Pyrite - euhedral, fine to medium grained, disseminated - occurring in quartz sweats as well as schist, fresh.	30							
LS19-303	112.45	122.05	SCH-i	SCH-yel	Medium to dark grey grading between the two with a patchy strong SCH-yel overprint of coarse grained silvery sericite. Unit appears to be more mafic locally especially at the lower contact at 119.30 to 122.05 m. Cross cutting carbonate stringers are disseminated throughout this unit. As well as patchy blebs at the lower contact in the more mafic looking section. Original texture appears to be obliterated. Unit is semi-massive in nature. Sharp lower contact with SCH-f.	carb	Tr	ser	Str	Carbonate occurring as cross cutting stringers as well as patchy blebs in more mafic zone. Sericite - strong coarse grained silvery sericite.	N	EPy	0.1						Pyrite - fine to medium grained (with 1 coarse grained crystal), fresh, disseminated, euhedral.	15						
LS19-303	122.05	132.15	SCH-f		Not the classic foot wall felsic. Light grey with a green tinge grading to a light grey down interval. Unit has abundant milky white quartz sweats that are locally clustered together occurring predominantly after 125.30 m. Sweats are moderately deformed. Local fold nose at 126.35 -126.65 m. Unit is weakly foliated but locally texture is obliterated. Semi massive in texture locally. Wispy cross cutting carbonate stringers occur throughout this unit. Locally well crenulated - 35 degrees tca at 131.9 m. Sharp lower contact with SCH-i / yel. Foliation is locally pulled sub parallel at 122.05 to 123.45 m.	carb	Tr			Carbonate - occurring as cross cutting stringers.	N	EPy	0.1						Pyrite - fine to medium grained, fresh, disseminated, euhedral.	40						
LS19-303	132.15	140.21	SCH-i	SCH-yel	Medium to dark grey SCH-i with patchy SCH-yel overprint occurring at the upper contact. Unit is well foliated but more massive in texture. Locally well crenulated - 40 degrees tca at 136.10 to 136.25 m. Patchy weak faulting in this unit. Wispy cross cutting carbonate stringers occurring throughout this unit. E.O.H.	ser	Wk	carb	Tr	Sericite - occurring as coarse grained silvery. Carbonate - as cross cutting stringers.	N	EPy	0.1						Pyrite - fine to medium grained, disseminated as well as locally clustered, euhedral, fresh.	5						
LS19-304	2.1	3.35	SCH-f		Light green. Highly faulted interval. Planar thinly foliated/.	ser	Mod	lim	Wk	Moderate pervasive sericite alteration. Weak limonite along foliation planes.	N	EPy	0.5						Oxidized Epy up to 0.2 cm.	10						
LS19-304	3.35	13.29	SCH-i		Medium green. Faulted interval. Planar foliated with a local tectonized texture at the top of the interval. Dispersed feldspar porphyroblasts up to 4 mm.	ser	Mod	carb	Wk	Moderate to strong sericite alteration. Upper portion of the interval is strongly sericite altered. Dispersed patchy pervasive ankrite. Carbonate alteration more abundant in the upper portion of the interval.	N	EPy	0.2						Oxidized Epy up to 2 mm. Locally Epy increases up to 0.5%	10						
LS19-304	13.29	13.82	SCH-m		Dark black, deep green. Planar moderate foliation. Wall rock at or near contacts are moderately altered with possible fault gouge delineating the lower contact.	carb	Str			Pervasive strong ankrite.	N								0							
LS19-304	13.82	22.74	SCH-i		Medium sea green. Planar foliated, locally crenulated. Local SCH-m thin intervals up to 3-4 cm. Local pitting, associated with carbonate alteration.	carb	Wk	lim	Tr	Local weak patchy carbonate. Trace limonite, which infills fractures.	N	EPy	0.2						Oxidized Epy up to 2 mm.	10						
LS19-304	22.74	27.02	SCH-i	SCH-tig	Medium sea green with white quartz bands. Upper portion of interval is tectonized, rest of interval is folded and has a wavy foliation. Local thin 2-4 mm black SCH-m intervals.	chl	Wk	ser	Str	Strong carbonate alteration within SCH-m thin intervals. Dispersed weak carbonate alteration throughout the interval. Weak chlorite lenses through out the interval. Strong pervasive sericite alteration.	N	EPy	0.2						Oxidized fine grained Epy up to 2 mm.	25						
LS19-304	27.02	32.35	SCH-i		Medium green with wavy foliation. Local thin 1-3 cm intervals of SCH-m.	carb	Wk	ser	Str	Local weak patchy ankrite. Local spotty chlorite. Pervasive strong sericite alteration.	N	EPy	0.2						Fresh, Epy up to 0.6 x 0.5 cm.	15						
LS19-304	32.35	39.62	SCH-f		Light green. Sharp upper contact; follows foliation. Local thin interval of SCH-m ~1 cm. Locally crenulated. Lower contact is approximate due to abundant fault rubble.	carb	Wk	ser	Mod	Local carbonate alteration through out interval. Strong carbonate alteration local to SCH-m interval. Pervasive sericite alteration	N	EPy	0.2						Oxidized, dispersed, Epy up to 1 mm	8						
LS19-304	39.62	40.5	SCH-m		Dark green to black. Planar foliated. Weakly magnetic.	carb	Str			Strong pervasive carbonate alteration. Trace rhodocrosite stinger occurs in interval.	N	EPy	0.5	Mag	1				Fresh, dispersed, Epy up to 0.6 x 0.6 cm. Possible 1 x 0.4 cm magnetite occurs in a thin interval along foliation	0						
LS19-304	40.5	60	SCH-i		Medium sea green. Pervasive wavy foliation. Local feldspar porphyroblasts up to 4 mm. Local, 2-3 cm thin, dispersed SCH-m intervals.	carb	Wk	oxi	Mod	Dispersed carbonate stringers filled with calcite. Faulting throughout interval induces local, moderate, oxidation around faulted intervals.	N	EPy	0.2						Dispersed trace, oxidized, Epy, up to 2 mm.	5						
LS19-304	60	65.8	SCH-m		Black with a green hue. Planar foliated. Sharp upper and lower contact. Lower contact is faulted. Entire interval is pervasively faulted.	carb	Tr			Thin carbonate stringers infilled with calcite	N															
LS19-304	65.8	79.12	SCH-i	SCH-lam	Medium green. Planar foliated with local crenulation and local pygmatic texture. Uniform laminated with local thicker quartz sweats.	carb	Wk	chl	Tr	Local carbonate stringers, as well as patches dispersed throughout interval. Local chlorite lenses up to 0.5 x 0.5 cm.	N	EPy	1						Fresh, pervasive Epy up to 1 x 0.5 cm.	10						
LS19-304	79.12	85.04	SCH-i	SCH-ptm	Medium green with wavy, contorted foliation. Pygmatic texture throughout interval with local tectonized.	ser	Str	carb	Wk	Pervasive strong sericite alteration. Weak patchy dispersed carbonate, with dispersed carbonate stringers.	N	EPy	1						Fresh, dispersed, Epy up to 0.8 x 0.8 cm.	10						
LS19-304	85.04	103.69	SCH-i	SCH-tec	Medium sea green with broken wavy contorted foliation. Local pygmatic texture at bottom of interval. Bottom and top contact are gradational.	ser	Str	carb	Tr	Pervasive strong sericite alteration. Trace carbonate stringers dispersed throughout the interval.	N	EPy	1						Fresh dispersed, Epy up to 0.5 x 0.5 cm.	15						
LS19-304	103.69	126.49	SCH-i	SCH-lam	Medium sea green with planar, laminated foliation.	carb	Str	chl	Tr	Pervasive strong patchy carbonate. Carbonate also runs along foliation. Trace hematite from 111.74 - 113 m.	N	EPy	1.5	Mag	0.3				Fresh dispersed, Epy up to 3 x 3 mm. Epy concentrated along mafic rich bands. Local magnetite occurs up to 2 mm and along foliation.	10						
LS19-304	126.49	126.69	SCH-m		Black with a blue hue. Gradational lower contact. Weak wavy foliated. Weakly magnetic. Uncommon blue to light grey feldspar porphyroblasts.	carb	Str			Pervasive strong carbonate alteration.	N	EPy	1.5						Fresh dispersed, fine Epy up to 0.1 mm.	0						
LS19-304	126.69	129.54	SCH-i	SCH-ptm	Medium to light green. Slightly more silica rich than typical SCH-i, but not a typical SCH-f. Wavy foliation.	carb	Mod	chl	Wk	Moderate pervasive carbonate along foliation. Local moderate spotty chlorite alteration at 129.15-129.54. Local thin lenses of listwanite alteration at 128.25 m; runs parallel to foliation.	N	EPy	3						Fresh Epy ranges in size up to 2 mm. Locally abundant up to 5%.	5						
LS19-305	0	4.57	OVb								N								no significant mineralization.							
LS19-305	4.57	7.9	SCH-i		strongly crenulated. weak iron oxide until 5.8m, then strong magnesium oxide from 5.8m-6.1m. faulted rubble and gouge from 6.4m-7.9m.	lim	Wk	mno	Str	weak limonite from 4.57m-5.8m. strong MnO from 5.8m-6.1m.	N								no significant mineralization.	40						
LS19-305	7.9	8.7	SCH-f		pale green, silicified. slip surface on upper contact. grades into SCH-i below.	sil	Str			strongly silicified.	N								no significant mineralization.	50						
LS19-305	8.7	24.08	SCH-i		weak local tig texture near contact with SCH-f. rubble and sericite is commonly found throughout. faulted appearance. plagioclase porphyroblasts from 15m-16m. weakly bleached near 18m.	ser	Str	lim	Wk	strong sericite alternating in patches with limonite .	N	EPy		Pl					trace medium grained rusty cubes of pyrite. plagioclase porphyroblasts present from 15m-16m.	35						
LS19-305	24.08	27.5	SCH-i	SCH-tig	upper contact with fault. small bands of dark green wispy chlorite in light grey qtz rich matrix. MnO common dark grey stains on qtz sweats.	carb	Tr	chl	Mod	trace siderite on qtz sweat at 25.6m. wispy lenticular chlorite. strong dark grey MnO on qtz sweats.	N	EPy		Sd	1				trace disseminated very fine grained euhedral pyrite. 1% siderite at 25.6m (cream colored, fizzes when scratched).	45						
LS19-305	27.5	36.8	SCH-i	SCH-tec	wavy irregular qtz sweats hide the primary schistose fabric. very strong orange limonite staining towards down hole. common open spaces from old weathered out pyrite.	lim	Str	ser	Mod	very strong orange limonite stain throughout. sericite overprint.	N	EPy	3						medium grained rusty euhedral pyrite up to 3% locally. open spaces from weathered out pyrite is very common.	30						
LS19-305	36.8	37.4	SCH-i	SCH-tig	spotted and lenticular chlorite in qtz rich matrix. strong limonite staining. fault on lower contact.	lim	Str	chl	Mod	strong limonite staining throughout. spotted and lenticular chlorite.	N	EPy	1.5						medium grained rusty pyrite locally up to 1.5%.	45						
LS19-305	37.4	55.55	SCH-i	SCH-tec	wavy irregular qtz sweats. strong patches of sericite. strong limonite patches grade into less abundance towards downhole. local pygmatic texture from 41m-41.3m. spotted chlorite from 41.3m-42.5m.	lim	Str	ser	Str	strong patches of sericite. strong limonite patches grade into less abundance towards downhole. spotted chlorite from 41.3m-42.5m.	N	EPy	3	Pl	4				combination of shiny and rusty euhedral and anhedral pyrite locally up to 3%. plagioclase phenocrysts locally up to 4% at 45.6m.	30						
LS19-305	55.55	61.55	SCH-m		possible old mafic dyke. gradational contacts. dark green matrix. white feldspar porphyroclasts along foliation is very common. more than average pyrite throughout this interval.	alb	Str			white strands of albite up to 15%.	N	EPy	5	Gn					euhedral pyrite locally up to 5%. trace galena at 60.4m.	20						
LS19-305	61.55	64	SCH-i		highly silicified zone. grades into SCH-m below.	ser	Mod	chl	Mod	highly silicified. spotted chlorite. sericite.	N	EPy	5						disseminated euhedral pyrite locally up to 5% near 62.5m.	70						
LS19-305	64	74.15	SCH-m		dark green SCH-m. mineralized pyrite zone with up to 10% pyrite from 64.5m-66m.	carb	Mod	lim	Wk	patchy carb. local limonite on fractured surfaces.	N	EPy	10						pyrite zone from 64.5m-66m with up to 15% pyrite. about 2% pyrite throughout interval after this zone.	25						
LS19-305	74.15	74.85	QV Zone		zone of tightly banded foliaform qtz. 1.5% medium grained euhedral pyrite inside.	sil	Str	carb	Tr	trace patches of carb.	N	EPy	1.5						medium grained pyrite up to 1.5%.							
LS19-305	74.85	79	SCH-m		dark green SCH-m. mineralized zone with up to 3% euhedral pyrite.	carb	Wk	ser	Mod	patchy weak carb. moderate sericite overprint.	N	EPy	3						disseminated pyrite up to 3% locally.	30						
LS19-305	79	96.3	SCH-i	SCH-tec	strongly silicified SCH-i unit with abundant mineralization. minerals present in this interval include: pyrite, chalcopyrite, galena, shalerite, (type @ 80.93m diopside? monazite?), (type @ 82.65m smithsonite? malachite? calcite?), pale green carbonate commonly along vein margins. (possibly malachite? or smithsonite? or calcite?) strongly effervesive, cube looking crystal structure, ~5 hardness, qtz sweats are wavy and irregular due to tectonized texture. weak patches of spotted chlorite.	carb	Mod	ser	Str	strong sericite overprint. strongly silicified. pale green carbonate commonly along quartz vein margins. weak patches of spotted chlorite.	N	EPy	5	Di	2		Ccp		disseminated medium grained euhedral pyrite up to 5% locally. Galena found at 80.95m, 83.33m, 85.1m, 88.27m, 90.8m, 91.98m, 96.3m-97.45m, 99.4m. Sphalerite found at 80.95m, 88.27m. Chalcopyrite found at 85.1m, 90.8m, 94.05m, 96.95m, 99.4m. Diopside? found at 80.95m, 85.1m.	55						
LS19-305	96.3	96.55	QV								N	EPy	2													
LS19-305	96.55	115.65	SCH-i	SCH-tec	strongly silicified with abundant mineralization. galena, chalcopyrite, pyrite, shalerite. wavy irregular foliaform qtz veins. fuchsite from 110m-111.5m. brass from drill bit rubbing off on core from 102.6m-104m. strong sericite overprint throughout interval. sharp contact with SCH-m below.	ser	Str	chl	Wk	strong sericite overprint throughout interval. weak patches of spotted dark green chlorite locally.	N	EPy	2	Gn			Ccp		disseminated medium grained pyrite up to 2% locally. Galena found at 99.4m, 99.8m, 102.55m, 108.6m, 112.6m, 112.9m, 113.7m. Chalcopyrite found at 99.4m. Sphalerite found at 112.6m. Fuchsite from 110-111.5m and 115m-115.4m.	55						
LS19-305	115.65	133.55	SCH-m		dark green SCH-m. strong feldspar from 115.4m-123.8m. abundant pyrite mineralization along foliation, up to 3% locally. zone of fractured core from 122m-123m with fuchsite bands. chalcopyrite present in clusters. the pyrite in this interval appears more yellow than the previous pyrite in other intervals.	ser	Str	alb	Str	strong sericite throughout interval. albite along foliation near top of interval and bottom of interval.	N	EPy	3	Gn			Ccp		foliaform medium grained yellow pyrite up to 3% locally. trace galena and chalcopyrite in qtz sweat at 126.7m.	35						
LS19-305	133.55	142.4	SCH-i	SCH-tec	silicified unit with wavy and irregular qtz sweats. weak spotted chlorite in patches. strong sericite overprint. calcite veinlets at 137.7m and 141m.	ser	Str	chl	Wk	strong sericite overprint. weak spotted chlorite.	N	EPy	1						disseminated fine to coarse grained pyrite locally up to 1%.	45						
LS19-305	142.4	145.45	SCH-i	SCH-tig	dark grey unit fades into pale green towards down hole. strongly crenulated. lenticular chlorite.	carb	Wk	chl	Mod	weak patchy pervasive carb. lenticular dark green chlorite.	N	EPy	0.5						disseminated medium grained pyrite up to 0.5% locally.	40						
LS19-305	145.45	149.5	SCH-f	SCH-tig	strongly silicified slightly pale green with dark lenticular chlorite wisps. regular SCH-f sub interval from 147.3m-147.9m.	sil	Str	chl	Mod	strongly silicified. lenticular dark green chlorite. moderate sericite overprint.	N	EPy	0.5	Gn		Pl	2		disseminated fine grained pyrite up to 0.5% locally in qtz sweat at 147.85m with trace galena inclusions. plagioclase phenocrysts throughout interval and up to 2% locally at 145.9m.	55						
LS19-305	149.5	150.88	SCH-f		classic pale green strongly silicified SCH-f footwall felsic. well developed foliation. strong stress cracks? from 150.6m to 150.88m (possibly due to overlying bed rock pressure during folding event). stress cracks display deep micro fractures in random orientations and have trace pyrite and galena mineral inclusions.	sil	Str				N	EPy		Gn					trace fine grained pyrite and galena in micro fractures.	60						
LS19-306	3.65	3.7	OVb		Rubble with re-drilled fragments of SCH-f.						N															
LS19-306	3.7	12.2	SCH-f		Classic foot wall felsic; Pale to medium green, well foliated but more massive in texture. The lower contact with the SCH-i may be higher up interval but due to major faulting and alteration impossible to see where the true boundary is. This unit is well faulted with a total loss of 4.6 m over this interval. Unit is dominated by gouge with rubble fragments occurring in the gouge as well as minor competent core in between (no bigger than ~ 15 cm wide). There are only minor zones of competent core in between gouge and rubble zones. At the lower contact we see pervasive limonite staining at 10.30 - 12.2 m. Gouge is dirty brown to grey and rusty orange. Gouge is clay rich to sand. Local pitting in the competent core in filled with limonite - 2-4 mm wide. Milky white quartz vein / sweats? fragments occur in these faulted zones - 2%.	lim	Wk	ser	Tr	Limonite - pervasive at the lower contact occurring as local pitting infilled with limonite as well. Sericite - occurring in fault - coarse grained silvery sericite.	N										2					
LS19-306	12.2	17.7	SCH-i	SCH-yel	SCH-i with a strong SCH-yel overprint. Dark grey grading to a light grey and then back to a dark grey with abundant coarse grained silvery sericite. Unit is well faulted with abundant clay rich gouge. In this unit there is only minor competent core no bigger than 8 cm wide. There is a total loss of 2.1 m over this unit. There is patchy pervasive limonite staining throughout this unit. Contact with above SCH-f could be higher up in the hole but due to major faulting impossible to tell. Quartz vein/ sweats? occurring as rubble in the fault - milky white up to 2%.	lim	Str	ser	Str	Limonite - patchy pervasive; Sericite occurring as coarse grained silvery sericite.	N	EPy	0.1						Pyrite - euhedral, medium grained, fresh - hard to see mineralization about due to extreme faulting.	2						
LS19-306	17.7	17.9	MDYK		Dark grey to black, aphanitic with phenocrysts - white, lath shaped (feldspars), up to 2 x 4 mm, as well as black circular crystals. Limonite coming in along fracture surfaces. Unit is completely broken up and made up of rubble. This dyke is non magnetic as well as non calcareous. Can't see upper or lower contacts due to faulting.	lim	Tr			Limonite - coming in along fracture surfaces.	N	EPy	3						Pyrite - euhedral, fine to very fine grained, fresh.	0						
LS19-306	17.9	19.35	SCH-i	SCH-yel	SCH-i with a moderate SCH-yel overprint. At the upper contact we see a "cooked" margin due to the mdylk. Medium and light grey SCH-i. Moderately faulted with gouge along fracture surfaces. Patchy pervasive limonite staining as well as MnO along fracture surfaces occurring predominantly at the upper contact. Patchy silvery coarse grained sericite alteration.	lim	Mod	ser	Mod	Limonite - coming in along fracture surfaces as well as locally pervasive. Sericite - patchy - occurring as coarse grained, silvery. MnO along fracture surfaces in the upper part of the interval.	N									5						
LS19-306	19.35	25.05	SCH-f	SCH-yel	Not the foot wall felsic. Light grey to light green SCH-f with a moderate SCH-yel overprint. Or potentially the same unit as above but very bleached and altered. This unit is well faulted with the unit becoming more competent as we go down interval. Over this interval there is a total loss of 1.80 m. Unit is well crenulated locally - 55 degrees tca. Patchy limonite coming in along fracture surfaces. Sharp lower contact with SCH-i. Fine to medium grained, euhedral, fresh, disseminated pyrite - 1%.	ser	Mod	lim	Wk	Sericite - patchy, stronger in more faulted zones. Limonite - patchy coming in along fracture surfaces.	N	EPy	1						Pyrite - fresh, euhedral, fine to medium grained, locally clustered together.	5						
LS19-306	25.05	48.55	SCH-i	SCH-yel	Medium to dark grey with a blue tinge SCH-i with a strong patchy SCH-yel overprint (possible SCH-m?). Strong coarse grained, silvery, patchy sericite alteration. Unit is moderately faulted throughout interval with gouge and rubble zones between zones of competent core. A total loss of 8.5 m over this interval. Sharp upper contact with SCH-f where we see a change in color as well alteration. Semi massive texture to the core. Patchy carbonate alteration - occurring as white blebs locally clustered together. Fine to medium grained, fresh, multi-generational (medium grained crystals), euhedral, locally clustered together - up to 3%.	ser	Wk	carb	Wk	Sericite - occurring as patchy coarse grained, silvery sericite. Carbonate - occurring as patchy white blebs, locally clustered.	N	EPy	3						Pyrite - fine to medium grained, fresh, euhedral, locally clustered together to disseminated.	5						
LS19-306	48.55	55.7	SCH-f	SCH-yel	Possibly a silicified SCH-i. Light to medium grey with a patchy SCH-yel overprint - coarse grained silvery sericite. Locally well foliated to banded - SCH-lam-no texture (50.30 - 50.60 m). Unit is semi-massive in texture. Patchy weak faulting with a total loss of 1.00 m. Locally well crenulated - 35 degrees tca. Patchy carbonate alteration occurring in foliaform quartz veins. Gradational upper contact with SCH-i and a sharp lower contact. Silicification is patchy and pervasive. Fine to medium grained, fresh, euhedral pyrite that is locally clustered as well as disseminated.	ser	Wk	carb	Tr	Sericite - occurring as patchy coarse grained, silvery; Carbonate - patchy																

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration intensity	Alteration 2	Alteration intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)	
L519-306	55.7	68.72	SCH-i	SCH-yel	Medium grey SCH-i with a moderate SCH-yel overprint. Weakly faulted unit with gouge and rubble zones in between competent core. A total loss of 1.95 m over this interval. There is a slip surface in this interval at 63.75 to 64.0 m - 20 degrees tca. Patchy coarse grained, silvery sericite. Well foliated to locally banded in texture with local crenulation - 35 degrees tca. E.O.H.	ser	Mod	carb	Tr	Sericite - occurring as patchy coarse grained silvery sericite. Carbonate - occurring as patchy blebs disseminated throughout interval.	N	EPy	2					Pyrite - fine to medium grained, going along foliation, euhebral, fresh.	5					
L519-307	0	2.95	OVB		rubble						N													
L519-307	2.95	58.4	SCH-f		dark green-grey, darker than standard footwall felsic. silicified throughout. competent core. limonite and pyrolusite are very common to see as a stain in foliaform sweats and along fractured surfaces. core appears uniform throughout interval. fractured zones and rubble. well developed foliation. weak sericite overprint and almost tig looking core from 7m-11m (not enough quartz contrast with chlorite to call it tig). massive fabric. dendritic pyrolusite.	oxi	Mod	sil	Mod	carbonate is completely absent. qtz sweats stained from limonite and pyrolusite. silicified uniformly throughout. weak sericite overprint and lenticular chlorite from 7m-11m.	N	EPy						trace fine grained rusty cubes of pyrite appears at (18.8m), and 53.4m, possibly from slipping event that resulted in fault breccia at 53m. otherwise this interval does not have significant mineralization.	60					
L519-307	58.4	61.1	SCH-i		appears hydrothermally altered: sericite overprint. increasing rubble content towards end of interval. dark green chlorite bands displaced by crenulations. trace opaque white carbonates, weakly effervescent when scratched.	carb	Wk	ser	Mod	sericite overprint. increasing rubble towards end of interval. trace opaque white carbonate minerals that are weakly effervescent when scratched thin veinlets of iron oxidized weak carbonate near start of interval. dark green bands of chlorite displaced by crenulations. trace oxidation, orange rust in microfractures, black dendritic pyrolusite in qtz sweats.	N	EPy						trace pyrite appears at 60.3m and continues past end of interval. cubes of rusty pyrite with shiny multi generations inside.	40					
L519-307	61.1	70.4	SCH-i	SCH-tec	coarse grained sericite overprint. coarse grained dark green spotted chlorite. foliaform qtz is very deformed, displaying no distinct primary orientation. crenulation is often clearly visible.	ser	Mod	chl	Mod	coarse grained sericite overprint. coarse grained spotted dark green chlorite.	N	EPy		Gn				trace foliaform fine grained euhebral pyrite at 66.55m. trace galena found in qtz vein at 69.5m.	45					
L519-307	70.4	91.3	SCH-i		foliaform qtz ellipses becomes well defined and less distorted. dark grey moderately silicified unit. calcite veinlets appear at 78.6m. interval with very competent core. some small zones of minor fracturing do exist. purple stained calcite found at 75.4m. clusters of up to 3% coarse grained Blue Quartz Eyes at 73.45m and 73.7m, and a sub interval of QAS from 85.6m-86.2m. slightly deformed structures from 86.5m-91.3m due to faulting and slipping.	ser	Mod	carb	Mod	sericite along crenulation surfaces. moderate carbonate, widely dispersed in the form of white calcite veins and purple calcite blobs.	N	EPy	0.5	Gn				trace foliaform fine grained euhebral pyrite appears around 74m. disseminated medium grained cubes of pyrite appear in clusters and up to 0.5% at 85.95m. trace galena found in qtz sweat at 74.8m.	50					
L519-307	91.3	118	SCH-f		grey-green SCH-f, darker than classic footwall felsic. abundant foliaform qtz sweats. strongly silicified. coarse grained blue quartz eyes sometimes found dispersed throughout. QAS sub-interval from 97.55m-98.1m. trace hematite staining from 115m-117m. moderate skeletal texture from silica flooding throughout interval. patches of coarse grained sericite around 105m-106m. trace disseminated fine grained anhedral and euhebral pyrite throughout interval. grades into silicified SCH-i below.	carb	Wk	hem	Tr	weak carbonate in calcite stringers and occasionally in qtz sweats. trace hematite from 115-117m. moderate sericite around 105m-106m. strongly silicified throughout. small patch of purple calcite at 97.45m.	N	APy		EPy	Qtz			coarse grained blue qtz eyes up to 1% in QAS sub interval from 97.55m-98.1m. disseminated fine grained euhebral and anhedral pyrite.	60					
L519-307	118	121.5	SCH-i		silicified SCH-i dark bands of chlorite mixed in with bright green flakes of chlorite. very strongly crenulated. abundant qtz sweats. moderate sericite. grades back in to SCH-f below.	ser	Mod	carb	Wk	moderate sericite along crenulations. weak patches of carbonate.	N	EPy						trace fine grained euhebral pyrite.	45					
L519-307	121.5	140	SCH-f		grey-green silicified unit, darker than standard foot wall felsic. less qtz sweats than previous intervals. generally massive fabric. appears similar to felsic unit at the top of hole. 4% feldspar phenocrysts from 129m-132.6m. chalcopyrite grain found in x-cut vein at 126.15m. trace disseminated medium grained euhebral pyrite, locally up to 0.5% in qtz sweat at 121.6m. grades in to SCH-i below.	carb	Tr	ser	Tr	trace patchy carb and occasional calcite stringers. trace sericite near 124m.	N	EPy	0.5	Ccp				trace chalcopyrite in x-cut vein at 126.15m. trace disseminated medium grained pyrite, locally up to 0.5% in qtz sweat at 121.6m.	50					
L519-307	140	165.81	SCH-i		silicified SCH-i. dark chlorite stained core alternating with bands of green chlorite and silver muscovite. trace pink carbonate stained qtz sweats at 142.7m. moderately bleached zone from 147.6m-149m with dark green spotted chlorite that has been stretched by crenulations. large qtz sweat zone from 158.9m-159.5m with galena and pyrite inclusions.	ble	Mod	ser	Tr	trace sericite in local patches. bleached zone from 147.6m-149m with spotted chlorite inside. trace calcite stringers.	N	EPy		Gn				trace disseminated medium-coarse grained euhebral pyrite. trace galena found in qtz sweat at 159.5m.	40					
L519-308	1.5	2.2	OVB		Dirt and gouge with rubble and broken up core.						N													
L519-308	2.2	12.7	SCH-m		Dark green locally well foliated to locally more massive in texture. Possible a SCH-i? (would have been logged as a SCH-f in hole L519-307 - appeared to be a darker than normal SCH-f with the same scalloped edge quartz sweats the darker green selvages / more quartz rich. This unit is very similar to previous unit at top of L519-307 with the exception of the same characteristic SCH-f quartz sweats.) Locally well crenulated - 45 degrees tca. At upper contact we can see that the unit is bleached near white in comparison to the dark green color in the rest of the unit. Unit is weakly faulted throughout this interval with a total loss of 2.0 m. There are small rubble zones with very trace gouge in these zones. This unit also has patchy pervasive limonite staining and pitting infilled with limonite as well as patchy MnO. MnO occurs along fracture surface - strongly at the upper contact. Local vugs infilled with MnO up to 1 x 3 cm wide. Patchy white carbonate blebs occur in areas where there is no to less pervasive limonite. Patchy weak sericite alteration with local coarse grained, silvery sericite.	lim	Str	carb	Wk	Limonite - patchy pervasive, occurring along fracture surfaces and infilling pitting. Carbonate - patchy white blebs occurring in less limonite altered areas. MnO occurring along fracture surfaces as well as in vugs.	N	EPy	0.5						Pyrite - fresh to partially oxidized, fine grained, euhebral, locally clustered as well as disseminated.	3				
L519-308	12.7	28.05	SCH-i	SCH-yel	Appears to be the same unit above but extremely altered. Lithology break was put in where the limonite became pervasive and original unit hard to decipher. In the less altered zones we can see the similar dark green color and texture as above. Light grey to light green with a yellow tinge and rusty orange. This unit is predominantly pervasively stained with limonite with only minor zones that are not stained with limonite. There is patchy faulting in this unit with rubble and gouge zones - a total loss of 2.9 m over this interval. This unit has a patchy moderate sericite alteration - with coarse grained silvery sericite. Possible patchy zones of fuchsite? - appears to be locally pervasive. Patchy pitting and local vugs occur in this interval infilled with limonite. There is also black MnO coming in along fracture surfaces. Locally well crenulated - 50 degrees tca. Unit is well foliated in areas where alteration is less pervasive.	lim	Str	ser	Str	Limonite - occurring as pervasive staining with only minor zones without. Sericite - occurring as patchy coarse grained silvery sericite.	N	EPy	0.1						Pyrite - completely oxidized, euhebral, fine to medium grained, disseminated but locally clustered together in local zones up to 3%.	2				
L519-308	28.05	60.65	SCH-i	SCH-yel	Light to medium grey with local differing textures. This unit appears to be different from the above SCH-/Yel. This unit has a weak SCH-yel overprint with coarse grained silvery sericite occurring patchy. There is also patchy to locally pervasive limonite staining. Patchy pitting is occurring throughout this interval as well as surcrosic texture in the quartz veins. Carbonate alteration is cream to white colored blebs that are locally clustered in zones of alteration. This interval has patchy faulting with gouge and rubble zones with a total loss of 4.25 m over this interval. Locally well crenulated - 30 degrees tca (~46.05 to 48.75 m). Locally this unit has a banded appearance with light grey quartz rich bands and dark grey / green mica rich bands that are slightly wavy and deformed. Local more mafic band? at lower contact (59.90 to 60.65 m) with more chloritic matrix and less quartz. There is irregularly shaped quartz sweats throughout this interval - milky white in color.	lim	Wk	carb	Wk	Limonite - occurring as patchy to locally pervasive. As well as along fracture surfaces and in pits. Carbonate - occurring as patchy blebs - cream colored.	N	EPy	0.5						Pyrite - fresh, euhebral, fine to medium grained, disseminated - locally up to 3% in more carbonate altered zones.	8				
L519-308	60.65	65.6	SCH-f	SCH-yel	Transition zone. Light grey quartz rich unit with patchy sericite alteration occurring as coarse grained, silvery sericite. Unit has some moderate faulting with gouge and rubble zones - with a total loss of 0.45 m over this interval. This unit has a mix of differing textures. There is the start of pygmatically folded quartz rich lenses as well as the formation of a very weak SCH-tig. Locally crenulated at - 30 degrees tca.	ser	Mod	carb	Tr	Sericite - patchy coarse grained silvery sericite; Carbonate - occurring as patchy.	N	EPy	0.5					Pyrite - fresh, euhebral, fine to medium grained, disseminated but locally clustered - usually in association with carbonate.	5					
L519-308	65.6	69.05	SCH-i		Light to medium grey SCH-i (same SCH-i as (28.05 - 60.65 m). Well foliated with local crenulation - that is sub parallel tca. At the upper contact we see a cloudy grey appearance to the core possible due to alteration. Patchy limonite staining - weak. Gradational lower contact with SCH-i / SCH-tec. With coarse grained silvery sericite coming in at 68.88 to 69.05 m. A total loss of 0.60 m over this interval.	lim	Wk	carb	Tr	Limonite - patchy weak, Carbonate - patchy disseminated throughout interval.	N	EPy	0.1					Pyrite - fresh to partially oxidized, euhebral, fine grained, disseminated.	3					
L519-308	69.05	74.95	SCH-i	SCH-tec	*Large 19 cm wide cross cutting QV in this interval (see vein table for description). SCH-i with strong SCH-tec texture as well as a moderate SCH-yel overprint. Dark green to dark grey matrix with deformed and broken quartz rich lenses floating in this matrix. This unit has some patchy faulting with gouge occurring along fracture surfaces. In less tectonized areas we see local crenulation - 15 degrees tca. Sericite alteration occurring as patchy coarse grained silvery sericite. Patchy carbonate alteration occurring in the quartz rich lenses predominantly. Pyrite is medium grained, locally clustered, euhebral, fresh.	ser	Str	carb	Wk	Sericite - strong occurring as coarse grained silvery sericite. Carbonate - patchy weak.	N	EPy	1					Pyrite - euhebral, locally clustered, fine to medium grained - some pyrite is occurring along crenulations.	1					
L519-308	74.95	83.05	SCH-f	SCH-yel	SCH-f that isn't the foot wall felsic with a SCH-yel overprint with abundant coarse grained silvery sericite. Local development of weak SCH-tig texture - thicker chlorite wisps floating in a quartz rich matrix. Local surcrosic texture in the quartz veins and sweats. Locally crenulated - 30 degrees tca. Unit is weakly faulted - with weak gouge forming along fracture surfaces. There are several cross cutting quartz veins in this unit ~ 4.	ser	Str	carb	Wk	Sericite - strong occurring as coarse grained silvery sericite. Carbonate - occurring as patchy disseminated throughout interval (mostly in quartz rich lenses).	N	EPy	0.5					Pyrite - euhebral, fine to medium grained, disseminated but mostly clustered together.	2					
L519-308	83.05	87.85	SCH-i		Similar to above SCH-i's (65.6 - 69.05, 28.05 - 60.65 m); Light to medium grey SCH-i, locally well foliated to banded texture (at upper and lower contacts) and crenulated - 28 degrees tca. Patchy limonite staining that is locally pervasive. In the middle of this unit we see a more massive texture coming in. Local rubble zone with 0.7 m of core loss over this interval. Patchy trace sericite alteration - with coarse grained silvery sericite occurring predominantly at the lower contact. Bixby carbonate alteration occurring along the foliation at the upper contact with additional alteration of fracture infilling.	lim	Mod	carb	Tr	Limonite - patch, locally pervasive. Carbonate - occurring at the upper contact along foliation as well as fracture infilling.	N	EPy	0.3					Pyrite - euhebral, fine to medium grained, disseminated.	1					
L519-308	87.85	91.8	SCH-i	SCH-yel	Transition zone with this unit starting to develop SCH-tig texture as well as local pygmatically folded quartz lenses and has locally as very weak SCH-tig and the loss of the foliated to semi-massive texture. Light to medium grey - with light grey quartz rich lenses and dark grey to green mica rich. Patchy pervasive limonite staining. Weak sericite alteration - occurring as coarse grained, patchy silvery sericite. Locally well crenulated 30 degrees tca (89.03 - 89.09 m) as well as 10 degrees tca (90.10 - 90.40 m). Carbonate alteration - infilling fractures. 0.45 m of core loss over this interval.	lim	Wk	carb	Tr	Limonite - occurring as patchy pervasive. Carbonate - patchy as well as occurring in fractures. Sericite - occurring as patchy coarse grained, silvery sericite.	N	EPy	0.5					Pyrite - fine to medium grained, locally clustered as well as disseminated, fresh, euhebral.	5					
L519-308	91.8	94.75	SCH-f	SCH-tig	Not the foot wall felsic. SCH-f with SCH-tig texture - weakly developed with minor chlorite wisps beginning to form with local crenulations. Local crenulations are - 35 degrees tca. Unit is a light grey with dark green to grey. The light is quartz rich while the dark green are chlorite wisps. This unit also has some patchy sericite alteration occurring as coarse grained silvery sericite. Sharp lower contact with SCH-f / SCH-yel. Unit is weakly rubbled at lower contact. Carbonate alteration - trace as patchy blebs locally light pink in color. Pyrite is fine to medium grained, euhebral, fresh and disseminated.	ser	Wk	carb	Tr	Sericite - patchy weak - occurring as coarse grained silvery; Carbonate - patchy blebs that are white but a few with a pink tinge.	N	EPy	0.5	Gn	0.1			Pyrite - euhebral, fine to medium grained, fresh, disseminated. Occurring in a cross cutting QV (vein table).	3					
L519-308	94.75	96.5	SCH-f	SCH-yel	Same as above SCH-f except we lose the SCH-tig texture and is more a very pale green. This is a small zone of non SCH-tig between two units of SCH-f / SCH-tig. This unit is weakly faulted in the center of this unit with a rubble zone and before the rubble zone there is a small slip surface (30 degrees tca) with gouge along the surface. Unit could be bleached due to larger QV at the lower contact (12 cm wide). In this interval we also see increased pyrite content - up to 5%. This unit also has patchy sericite alteration occurring as coarse grained silvery. Sharp lower contact with the SCH-f / SCH-tig texture after the vein where we see the appearance of the SCH-tig texture again.	ser	Wk	ble	Mod	Sericite - patchy occurring as coarse grained silvery; unit appears to be bleached out - due to large vein?	N	EPy	5	Gn	0.1			Pyrite - euhebral, fresh, disseminated, fine to medium grained. Galena occurring in a cross cutting QV (see vein table).	0.5					
L519-308	96.5	103.45	SCH-f	SCH-tig	SCH-f with a SCH-tig texture (similar to previous - 91.8 - 94.75 m). Throughout this interval we see differing degrees of SCH-tig development with wispy dark green chlorite. Unit is light grey with pale green tinge in places. Unit is moderately sericite altered - occurring as coarse grained silvery sericite. Unit is very weakly faulted - LOSS? Locally well crenulated - 30 degrees tca. Gradational contact with SCH-f (foot wall felsic). This unit is very weakly faulted with minor rubble zones.	ser	Wk	carb	Wk	Sericite - patchy occurring as coarse grained silvery. Carbonate - patchy weak.	N	EPy	3	Gn	0.1			Pyrite - euhebral, fine to coarse grained, disseminated, fresh.	5					
L519-308	103.45	109.35	SCH-f		Classic foot wall felsic; Medium green moderately foliated but more massive in texture. Classic SCH-f quartz sweats occur in this unit - with the scalloped edges and irregular foliaform shapes. Gradational upper contact with the SCH-f / SCH-tig and a sharp lower contact with the SCH-i. Wispy cross cutting carbonate stringers occur throughout this interval.	carb	Tr			Carbonate - occurring as cross cutting stringers.	N	EPy	0.1					Pyrite - euhebral, very fine grained, fresh, disseminated.	15					
L519-308	109.35	110.1	SCH-m		Small slice of SCH-m between SCH-f's. Medium to dark grey (possible old dyke - but doesn't have a clear lower contacts but a semi clear upper contact). Unit is well crenulated - 25 degrees tca and then 40 degrees tca. At the upper contact we see increased pyrite content up to 6% and then at the lower contact we lose the pyrite content. Carbonate alteration is pervasive throughout this unit.	carb	Str			Carbonate strong pervasive throughout unit.	N	EPy	6					Pyrite - euhebral, medium to coarse grained, fresh, clustered at upper half of contac, multi-generational pyrite.	0					
L519-308	110.1	111.55	SCH-f	SCH-yel	Appears to be a small slice of altered SCH-f (foot wall felsic?). Pale green to light grey at lower contact. At the lower contact we see strong sericite alteration coming in - occurring as coarse grained silvery sericite. Gradational lower contact with SCH-i / SCH-yel.	ser	Wk	carb	Tr	Sericite - occurring as coarse grained silvery sericite; Carbonate - patchy.	N	EPy	0.1					Pyrite - very fine grained, euhebral, fresh, disseminated.	30					
L519-308	111.55	116.65	SCH-i	SCH-yel	Transition zone more felsic at the top of the unit and then grading to a more SCH-i. Light to medium grey, locally well foliated (at upper contact) but as we go down interval we loss that foliation due to alteration? Patchy sericite alteration - occurring as coarse grained silvery sericite. Locally we see SCH-tig texture - with coarse grained chlorite forming wispy cus. Carbonate alteration - occurring as cross cutting wispy stringers (in the last 1/2 of the unit) as well as patchy pervasive. This unit has patchy weak faulting with rubble and gouge (very minor).	carb	Mod	ser	Wk	Carbonate - occurring as cross cutting stringers as well as patchy pervasive. Sericite - occurring as coarse grained silvery sericite.	N	EPy	0.3					Pyrite - fresh, euhebral, fine to medium grained, disseminated. Pyrite occurring along foliation locally.	3					
L519-308	116.65	117.7	QV		Large quartz sweat?; milky white; small wall rock inclusions of schist occur in this sweat; weak patchy carbonate alteration with euhebral pyrite occurring in this carbonate alteration. Several open space cavities infilled with druzey quartz. Trace pyrite and galena occurring together.	carb	Tr			Carbonate - patchy trace	N	EPy	0.1	Gn	0.1			Pyrite - fresh, euhebral, fine grained, occurring with galena - fine to medium grained.	0					

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)		
LS19-308	117.7	161.7	SCH-i		Medium to dark grey SCH-i with patchy SCH-yel with coarse grained silvery sericite occurring in bands. Unit is weakly foliated but more massive in texture. In this unit we see white quartz porphyroblasts - semi circular in shape, ranging in size from 2 - 4 mm wide. Some of these quartz eyes are light blue in color (possible QAS? - but very minor blue QE's). Locally well crenulated - 20 degrees tca in several different spots in this unit. QE's occurring at: 118.45 to 122.0 m, 129.25 to 135.75 m. Carbonate alteration occurs as cross cutting fractures. There are several cross cutting quartz veins occurring in this interval (-7). Local surroscopic texture occurring at 120.10 to 120.9 m - some infilled with carbonate. Unit has a skeletal texture. Local fold nose occurring at 143.25 to 143.50 m with a quartz sweat in the center shaped as an oval. At the lower contact of the fold nose the foliation is sub parallel tca. Pyrite - is disseminated, fresh, euhedral, medium to coarse grained.	ser	Mod	carb	Tr	Sericite - patchy strong in areas where it occurs - coarse grained, silvery. Carbonate - occurring as fracture filling and patchy.	N	EPy	0.3							Pyrite - fresh, euhedral, disseminated, medium to coarse grained.	10				
LS19-308	161.7	162.8	QV		Large quartz sweat; milky white; irregular upper and lower contacts; patchy carbonate alteration; Pyrite - occurring as fine grained in carbonate alteration and medium to coarse grained in the vein itself - 1% with trace galena. Pyrite is euhedral and fresh. There is a mega cryptic cube of pyrite occurring near the vein selvage of the lower contact - 1 cm x 1 cm wide.	carb	Tr			Carbonate - occurring as patchy white blebs.	N	EPy	1	Gn	0.1			Pyrite - fresh, euhedral, fine to coarse grained - finer grained in the carbonate alteration and the coarser grained occurring in the vein.	100						
LS19-308	162.8	170.69	SCH-i		Possible SCH-m?? Medium to dark grey - green grading to medium to dark grey to black as we go down unit at approximately 167 m. At the upper contact the unit is more massive in texture but as we go down interval we see the development of weak foliation. The foliation becomes stronger locally and we see the development of laminations (SCH-lam texture) - 165.65 to 166.20 m. We see carbonate alteration in these more laminated areas along folia. In the lower half of the unit the carbonate becomes blisy and disseminated. Local chevron type folding occurring at 163.55 to 163.65 m. In addition there are two fold noses occurring together at 165.8 to 166.0 m. Locally well crenulated - 25 degrees tca and 40 degrees tca. Fine grained magnetite is disseminated around 167 m. Tan, resinous, possibly 6 sided crystal - possibly sphalerite?? occurring in the chevron fold. E.O.H. no core.	carb	Mod			Carbonate - occurring along foliation as well as patchy blebs.	N	EPy	1	Sp	0.1	Mag	3		Pyrite - fresh, euhedral, fine to medium grained, disseminated. Magnetite - very fine grained to fine, clustered around 167 m.	2					
LS19-309	0	4.57	OVb								N														
LS19-309	4.57	50.85	SCH-i	SCH-tec	extensive fault zone for the beginning of this interval. further below the described fault we commonly see small zones of fracturing, most likely as a result of shear stress from the overlying fault. the tectonized texture is generally weak for most of the interval, with the exception of 32m-47m where it is strongly visible. in any case outside 32m-47m you might expect to see short intervals no longer than 50cm of SCH-i without any texture core. altered graphite? clay from 23.6m-23.7m, appears as very fine grained clay, oily to the touch, very easy to spread around in fingers and appears as paint, has shiny particles when spread as a thin coat and in the sun light. grades into M/tec down hole.	lim	Str	ser	Str	strong pervasive orange limonite staining from 4.4m-16.6m and 18m-29.3m. from thereon, limonite is moderate in locally stained patches lasting no longer than 1m. there is a strong sericite overprint throughout the entire interval, with coarse grained sericite clearly visible on all core surfaces except for quartz. trace pervasive carbonate in competent core in between faults from 16.6m-17.9m.	N	EPy							trace fine grained rusted pyrite occasionally visible in local patches. in the first 20m of this hole it is very common to see small open pore spaces, where it is possible that pyrite previously occupied those spaces before they were weathered away, occasionally in less oxidized areas in the core, we can see fine grained shiny euhedral pyrite following a pattern, possibly along deformed foliation?	40					
LS19-309	50.85	62.1	SCH-m	SCH-tec	darker green-grey than previous SCH-i, less foliaform qtz. crenulations are very strong throughout the interval. slip surface at 53.8m, with fractured core and core loss immediately preceding. strong sericite alteration from 53.8m-60m. large fault before contact with down hole unit with almost 100% gouge. cream colored mineral from 50.85m-53.8m, possibly albite?	ser	Str	alb	Mod	moderate sericite from 50.85m-53.8m. strong sericite from 53.8m-60m. possible cream colored albite in competent core.	N	EPy						clusters of very fine grained euhedral pyrite at 55.9m and 59.7m.	30						
LS19-309	62.1	74	SCH-f	SCH-tig	starts when fault ends. bleached SCH-f unit with lenticular chlorite tig texture. very well defined crenulations. weak sericite overprint. fractured core and rubble is not uncommon in this interval. weak orange limonite appears at about 66m and continues on until end of interval.	ser	Wk	lim	Wk	weak sericite overprint. weak orange limonite appears at about 66m and continues on until end of interval. bleached.	N	EPy						trace subhedral pyrite.	60						
LS19-309	74	84.8	SCH-f		pale grey-green, virtually no foliaform qtz sweat, although the rock itself appears siliceous. weakly foliated, almost massive looking fabric. very homogeneous, possible early dyke that entered the system after the tig was developed on both contact sides. fractured pieces becoming increasingly more common from 80m-84.8 m.	sil	Str			strongly siliceous rock.	N							no significant mineralization.	65						
LS19-309	84.8	93.1	SCH-f	SCH-tig	silicified and bleached SCH-f with lenticular chlorite and sericite along crenulation structures. patches of moderate limonite between 88m and 90m. weak carbonate alteration in qtz sweat at 87.7m. multiple qtz veins, unable to determine if they are x-cut or sweat due to irregular contacts.	lim	Mod	ser	Mod	moderate sericite throughout. patches of moderate limonite between 88m-90m.	N	EPy		Gn				trace coarse grained subhedral pyrite, randomly placed throughout. trace galena found in qtz sweat at 92.4m.	60						
LS19-309	93.1	97.8	SCH-f		classic pale green. foliaform qtz sweat with irregular serrated contacts. small micro fractures exist from 94-96m, running sub parallel t/c and have orange limonite build up in open spaces. grades into brecciated zone where there is pieces of SCH-i and SCH-f along with quartz porphyroclasts. sharp contact with SCH-i at 97.8m.	sil	Str	lim	Tr	trace limonite along micro fractures.	N							insignificant trace subhedral pyrite	60						
LS19-309	97.8	140.21	SCH-i		generally green-grey with some patches of dark, almost mafic zones. well developed crenulations throughout interval. foliation sometimes visible. weak sericite overprint throughout interval. trace pervasive carbonate alteration throughout entire interval. small patch of purple calcite at 112.2m inside quartz sweat. trace medium to coarse grained disseminated subhedral pyrite locally up to 0.5%.	carb	Tr	ser	Wk	weak sericite overprint throughout interval. trace pervasive carbonate alteration throughout entire interval.	N	EPy	0.5	Cal				small patch of purple calcite at 112.2m inside quartz sweat. trace medium to coarse grained disseminated subhedral pyrite locally up to 0.5%. calcite stringers common from 120m-135m.	50						
LS19-310	0	2.95	OVb		Rubble and broken up core with QV rubble mixed in as well as gouge.						N														
LS19-310	2.95	34.4	SCH-f	SCH-lam-nu	Close in appearance to the foot wall felsic but a bit different and locally laminated (non-uniformly). Medium green but locally bleached white (in fault zones in particular). Locally well laminated with medium green and white bands - slightly deformed and wavy. In zones where the unit is not laminated the texture is more massive. This unit is well faulted with a total loss of 7.1 m over this interval. There are large rubble zones with minor gouge. Patchy limonite staining locally pervasive and circular blebs disseminated throughout. Limonite occurs along fracture surfaces as well as MnO. There is a coarse grained sericite occurring along fracture surfaces as well.	lim	Mod	mno	Wk	Limonite - occurring along fracture surfaces, circular blebs and locally pervasive. MnO occurring along fracture surfaces. Sericite - occurring along fracture surfaces where limonite / MnO doesn't occur.	N	EPy	0.1					Pyrite - euhedral, completely oxidized, locally clustered, fine to medium grained.	5						
LS19-310	34.4	71.7	SCH-i		Medium to dark grey SCH-i that is moderately foliated but appears more massive in texture. Locally the foliation is pulled sub parallel in multiple locations - 37.25 - 38.30 m, 47.65 - 50.5 m. There are also multiple fold noses occurring in this interval as well - 38.30 - 38.50 m, 38.65 - 38.80 m, 38.95 - 39.10 m. This unit also has white quartz porphyroblasts in local clusters, ranging in size from 2 - 4 mm wide. Carbonate alteration - is occurring as wispy cross cutting stringers as well as larger fractures that are infilled with carbonate. There is patchy locally pervasive hematite staining. Milky white quartz sweat occurs disseminated from 34.4 to 48.8 m - after this the concentration of quartz sweat decreases dramatically. Limonite staining occurs locally and is pervasive bands around fracture surfaces. Patchy chlorite occurs as wisps disseminated giving the appearance of a granitic rock. Pyrite occurs as fresh, euhedral, fine to medium grained - some coarse grained and disseminated. At the upper contact this unit is broken up and rubble to 37.50 m - a loss of 0.6 m in this interval. Biotite alteration occurring along foliation - alteration occurs around 42.65 - 43.0 m. Locally crenulated - 40 degrees tca at 49.15 - 49.25 m, 23 degrees tca at 55.85 - 56.0 m	hem	Tr	chl	Tr	Hematite - occurring as patchy pervasive. Chlorite occurring as patchy wisps giving the rock a granitic look. Biotite alteration ~ 42.65 to 43 m along foliation. Carbonate - occurring as cross cutting wisps and larger fracture filling. Limonite - occurring in pervasive bands along fracture surfaces.	N	EPy	0.1							Pyrite - euhedral, fresh, locally clustered, fine to medium grained with minor coarse grained.	5				
LS19-310	71.7	74.7	SCH-i	SCH-lam	Light to medium grey SCH-i with strong lamination texture. Same as above unit except with a strong SCH-lam texture. Locally well crenulated - 35 degrees tca. Carbonate alteration occurring as cross cutting carbonate stringers. Some of these stringers have chloritic selvages as well. Pyrite is trace - medium grained, multi-generational, fresh and euhedral.	carb	Tr	chl	Tr	Carbonate - occurring as cross cutting stringers and chlorite occurs along the carbonate stringers.	N	EPy	0.1					Pyrite - euhedral, medium grained, fresh, multi-generational.	3						
LS19-310	74.7	111.8	SCH-i		Medium to dark grey SCH-i (same as above 34.4 - 71.7 m). This unit is weakly foliated locally but where it isn't foliated it is more massive in texture. Locally crenulated - 45 degrees tca and 35 degrees tca. This unit is moderately faulted with rubble zones - a total loss of 1.7 m. Carbonate alteration occurs as cross cutting wispy stringers. Patchy porphyroblastic texture occurs in this hole with white quartz porphyroblasts, ranging in size from 2 - 4 mm wide, circular in shape. Patchy limonite coming in along fracture surfaces - in faulted zones. Small SCH-m band (old mafic dyke that has become conformable) at 105.93 to 106.03 m - dull black, pervasive carbonate alteration, massive and aphanitic.	lim	Tr	carb	Tr	Limonite - occurring along fracture surfaces in faulted zones, carbonate - occurring as cross cutting stringers.	N	EPy	0.1							Pyrite - euhedral, fresh, fine to medium grained, multi-generational, disseminated.	5				
LS19-310	111.8	121.8	SCH-m		Medium to dark grey (darker than above SCH-i at 74.7 - 111.8 m) - possible could be a dark SCH-i. Patchy white quartz porphyroblastic texture that are along foliation and some are banded. Quartz eyes range in size from 2 - 5 mm wide. The porphyroblastic texture is very strong at 117.6 to 118.15 m. Cross cutting wispy carbonate stringers occur disseminated - especially strong at the lower contact. We also see a stronger concentration of quartz sweat occurring at the lower contact. Quartz sweat is milky white and locally up to 30%. Patchy hematite staining - trace.	carb	Tr	hem	Tr	Carbonate - occurring as cross cutting stringers; Hematite - patchy trace.	N	EPy	0.1						Pyrite - euhedral, medium grained, fresh, disseminated.	15					
LS19-310	121.8	135.03	QAS		Dark grey with a purple tinge (very similar in look to above (SCH-m) but pervasive hematite staining and the occurrence of blue and white quartz eyes. Hematite is patchy pervasive in this unit occurring throughout the unit. This unit is porphyroblastic as well with the occurrence of blue and white quartz porphyroblasts. Porphyroblasts range in size from 1 - 4 mm wide - with the blue ones being on the smaller end of the scale and the white ones generally being larger. These porphyroblast are along foliation and are circular to semi - circular in shape. Carbonate alteration occurring as cross cutting wispy stringers are disseminated throughout this interval. Sericite alteration is occurring along foliation as fine grained silver to white giving the core a skeletal texture. Milky white quartz sweat are disseminated throughout this interval. Pyrite is fine to medium grained, fresh and euhedral.	hem	Str	carb	Tr	Hematite occurring as patchy pervasive throughout unit. Carbonate - occurring as cross cutting stringers.	N	EPy	0.1						Pyrite - euhedral, fine to medium grained, disseminated, fresh.	10					
LS19-311	2.5	45.6	SCH-i		med grey; very strongly oxidized and very strongly sericite altered; patchy faulting throughout interval detailed in fault table; poorly developed foliations; patchy vuggy texture in addition to abundant boxwork py resembling vugs; 1% fine grained <1mm fresh epy; minor open space within foliaform qtz containing recrystallized qtz; locally crenulated; increasingly ductily deformed close to lower contact, likely due to fault zone at lower contact	ser	Str	lim	Str	strong pervasive sericite and limonite alteration;	N	EPy	1					abundant boxwork py resembling vugs; 1% fine grained <1mm fresh epy							
LS19-311	45.6	54.3	SCH-i	SCH-tec	med grey; very strongly oxidized and very strongly sericite altered; patchy faulting throughout interval detailed in fault table; tectonized silica in darker sericite matrix; patchy vuggy texture in addition to abundant boxwork py resembling vugs; trace fine grained <1mm fresh epy; locally crenulated;	ser	Str	lim	Str	strong pervasive sericite and limonite alteration;	N	EPy						abundant boxwork py resembling vugs; trace fine grained <1mm fresh epy							
LS19-311	54.3	66.05	SCH-i		med grey; moderately oxidized on fracture surfaces; strong pervasive sericite alteration; patchy faulting toward end of interval detailed in fault table; poorly developed foliations; 0.5% fine grained <1mm fresh epy; minor patchy vuggy texture; locally crenulated; increasingly ductily deformed close to lower contact, likely due to fault zone at lower contact; possible old dyke from 57.7 to 58.3m	ser	Str	lim	Mod	moderately oxidized on fracture surfaces; strong pervasive sericite alteration;	N	EPy	0.5					0.5% fine grained <1mm fresh epy;							
LS19-311	66.05	87.4	SCH-i	SCH-tec	med grey and becomes lighter grey downhole; very strongly sericite altered; patchy faulting throughout interval detailed in fault table; tectonized silica in darker sericite matrix; weak patchy limonite alteration; 3% fine grained <1mm fresh epy and apy; locally crenulated; galena in qtz sweat at 85.6m;	ser	Str	lim	Wk	strong pervasive sericite alteration; weak patchy limonite alteration	N	EPy	1.5	APy	1.5	Gn		3% fine grained <1mm fresh epy and apy; galena in qtz sweat at 85.6m;							
LS19-311	87.4	105.6	SCH-i		med grey; moderately oxidized on fracture surfaces; strong pervasive sericite alteration; 2% fine grained <1mm fresh epy and apy; locally strongly crenulated; patchy skeletal texture; increasingly bleached toward end of interval; weakly developed SCH-tig texture; weak patchy carb alteration	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy	1	APy	1			2% fine grained <1mm fresh epy and apy;							
LS19-311	105.6	108	SCH-f	SCH-tig	light greyish green; local skeletal texture; patchy well developed SCH-tig texture with chlorite wisps separated by crenulations; crenulation fabric overprints foliations; very strong sericite alteration; weak patchy carb alteration; 1% fine grained fresh epy	ser	Str	carb	Wk	strong pervasive sericite alteration; weak patchy carb alteration	N	EPy	1					1% fine grained fresh epy							
LS19-311	108	121.28	SCH-f		light med greyish green becoming darker green downhole; very strongly sericite altered at top of interval and becoming more weakly sericite altered downhole; trace fine grained epy, some multigenerational; well developed foliation; local crenulations; abundant qtz sweat at top of interval	ser	Str			very strongly sericite altered at top of interval and becoming more weakly sericite altered downhole	N	EPy						trace fine grained epy, some multigenerational;	5						
LS19-312	0	3.7	OVb		warped core near 3.05m block. rubble with plant roots immediately after. normal core starts at 3.7m.	chl	Mod			no significant alteration.	N							no significant mineralization.							
LS19-312	3.7	4.1	SCH-i		dark grey core. spotted chlorite. some rubble.	lim	Str	ser	Mod	spotted chlorite. coarse grained sericite overprint.	N	EPy						no significant mineralization.	35						
LS19-312	4.1	9.14	SCH-i		prominent orange stain from iron oxide. mostly rubble.			ser	Mod	strong iron oxidation. coarse grained sericite overprint.	N							trace rusty euhedral pyrite.	20						
LS19-312	9.14	19	SCH-i		moderate grey color. mineralized zone. foliation fabric often hidden by additional deformation, with some alternating areas eligible for tec texture. silica flooding gradationally increasing towards end of interval. weak moderate limonite patches from 17.4m-20.3m.	ser	Mod	lim	Wk	weak-moderate limonite patches from 17.4m-20.3m. coarse grained sericite overprint.	N	Py						trace fine-medium grained subhedral pyrite.	55						
LS19-312	19	26.8	SCH-f		pale green silicified. gradational contacts with SCH-i above and below. weak tig texture gradational from 20.3m-23.2m. talc at 22.8m.	sil	Str	ser	Mod	strongly silicified. moderate coarse grained sericite overprint.	N	APy						trace anhedral pyrite.	65						
LS19-312	26.8	58.9	SCH-i		moderate grey-green color. variably deformed. silica flooded qtz sweat becomes relatively wider. mineralized throughout. coarse grained subhedral pyrite. trace blue-grey from 33.3m-34.9m. weak tig texture from 52m-53.2m. possible 3mm thin plate of graphite at 48.9m.	ser	Mod	carb	Tr	moderate coarse grained sericite localized in patches, with some areas having almost no visible sericite content; trace pervasive carb generally throughout and in small patches within qtz sweat zones.	N	Py						trace disseminated subhedral pyrite fine-coarse grained.	50						
LS19-312	58.9	59.4	BAS		non-magnetic. relatively new dyke. does not show any signs of deformation. sharp contacts with chilled margins.	carb	Wk			weak patchy pervasive carb. trace carb stringers.	N							no significant mineralization.							
LS19-312	59.4	59.6	porAND		2cm of SCH-i in between basalt and andesite. sharp contacts. inclusions of elongate dark mineral hornblende? non magnetic. sharp contacts. calcite stringers along lower contact that radiate outwards down short interval. same SCH-i as above. moderately developed crenulations. few calcite stringers. wavy dark green chlorite.	carb	Wk			calcite stringers along lower contact.	N							porphyritic elongated hornblende?							
LS19-312	59.6	60.05	SCH-i			carb	Mod	chl	Wk	few calcite stringers. wavy dark green chlorite.	N	Py						trace medium-coarse grained subhedral pyrite.	40						

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration Intensity	Alteration 2	Alteration Intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (t/c)	Structure 2	Structure Angle 2 (t/c)			
L519-313	0	4.7	OVB		Broken and rubbled core with minor QV fragments - less than 5%. SCH-f with a pervasive SCH-yel alteration. Light to medium silvery grey with a yellow tinge to core. As well as patchy rusty orange. A SCH-f with a strong SCH-yel overprint obliterating any original texture. Sericite occurs as coarse grained and silvery. This unit is predominantly rubble with a total loss of 5.4 m. Limonite occurs as patchy pervasive as well as a local zone of MnO - occurring as pervasive black zone - 5 cm wide. Unit is either weathered due to proximity to the surface or faulted.	ser	Str				N															
L519-313	4.7	12.15	SCH-f	SCH-yel		lim	Str	mno	Tr	Limonite - occurring as patchy pervasive; MnO - occurring as local patchy - black and pervasive.	N	EPy	0.1					Pyrite - cubic, fresh, locally clustered together, fine grained.	2							
L519-313	12.15	21.35	SCH-i	SCH-yel	Medium to light grey SCH-f with a strong SCH-yel overprint. This unit has a yellow tinge. This unit is becoming very silicified at the lower contact and is a gradual contact with the below SCH-f / SCH-yel. Silicification coming in around - 16.85 m. This unit has patchy pervasive oxidation (limonite) occurring throughout this interval. As well as MnO coming in along fracture surfaces and in addition as dendritic locally. This unit is faulted (or still surficial broken up and rubbly due to surficial weathering). It is rubbled with minor gouge. A total loss of 3.3 m over this interval. This unit has patchy carbonate alteration (ankerite - cream colored with some patchy limonite staining. It only reacts once scratched) - there are local blebby concentrations - up to 15%. The original texture has been obliterated by the SCH-yel overprint. Pyrite is euhedral, cubic, fresh, fine grained occurring locally clustered together. Sericite is occurring throughout this interval as coarse grained, silvery sericite.	lim	Mod	sil	Mod	Limonite - occurring as patchy pervasive as well as along fracture surfaces. MnO - coming in along fracture surfaces - trace. Silicification is occurring at the lower contact of this unit. Carbonate - occurring as ankerite - blebby local concentrations up to 15%.	N	EPy	0.5						Pyrite - cubic, fresh, locally clustered, fine grained.	2						
L519-313	21.35	34.5	SCH-f	SCH-yel	Light grey with a patchy yellow tinge to the core. A silicified SCH-f with a SCH-yel overprint that has obliterated original texture. There is a weak sericite alteration that is patchy consisting of coarse grained silvery sericite. There is patchy limonite coming in along fracture surfaces. This unit is fault and rubbled with a total loss of 5.05 m. This unit has increased quartz sweat and veins in this interval in comparison to previous units. We see pyrite and galena occurring in some of these quartz sweat and veins.	lim	Mod	sil	Mod	Limonite - occurring as patchy and along fracture surfaces. Silicification - throughout unit. Sericite - patchy coarse grained silvery.	N	Py	1	Gn	0.1				Pyrite - local clusters as well as disseminated along foliation, fresh, fine to medium grained.	10						
L519-313	34.5	34.6	BAS		Small basalt dyke that is rubbled and broken up. Dull black to grey, aphanitic and weakly magnetic. Strong limonite staining along fracture surfaces. Core has been re-drilled. Carbonate alteration occurring as white stringers - trace. Contacts can't be seen due to being too broken up.	lim	Mod	carb	Tr	Limonite - along fracture surfaces.	N															
L519-313	34.6	39.9	SCH-i	SCH-yel	Medium grey getting slightly darker in color as we go down interval. Unit is becoming strongly crenulated at the lower contact - 37.85 m (30 - 45 degrees tca). Crenulations are 1.5 - 2 cm apart. This unit is rubbled and broken with minor sections of competent core (near the lower contact), pieces no bigger than - 40 cm. A total loss of 1.05 m occurring over this interval. There are also local zones of gouge - clay rich with rubbled pieces floating in it, matrix supported. Patchy sericite alteration occurring as coarse grained and silvery. Patchy limonite staining occurring along fracture surfaces.	lim	Wk	ser	Wk	Limonite - occurring along fracture surfaces. Sericite - patchy occurring as coarse grained, silvery.	N	EPy	3						Pyrite - fresh, euhedral, cubic, locally clustered, fine to medium grained.	1						
L519-313	39.9	42.35	BAS		Dull black to green - grey, aphanitic, rubbled and broken. A total loss of 1.45 m. Strong limonite along fracture surfaces. Porphyritic texture - with fine black, circular blebs. Non - magnetic. Minor schist wall rock inclusions in dyke - possibly due to faulting.	lim	Mod				N								0							
L519-313	42.35	63.5	SCH-i		Medium to dark grey SCH-I. Unit is well silicified throughout interval. Patchy coarse grained silvery sericite. Unit is locally well crenulated (45.25 - 47.60 m) - 40 - 50 degrees tca. Crenulations are spaced 0.5 - 2 cm apart. Unit is faulted and rubbled at upper contact becoming competent after - 46.50 m with only minor rubble zones after this. A total loss of 1.35 m over this interval. There is a small basaltic dyke - 46.02 to 46.10 m (possible andesite?) or a dyke of basalt. Dyke is medium grey - green, aphanitic with porphyroblasts of fine grained, black, semi circular blebs as well as fine grained needle shaped. This dyke is mineralized with fine grained pyrite clustered together, partially oxidized. Pyrite very weakly developed SCH-tig texture - with the start of wispy cups of chlorite. This unit has increase concentrations of quartz sweat - some of which are mineralized with pyrite, galena and sphalerite. There are patchy zones with concentrated carbonate alteration occurring as circular / bleb cream colored ankerite.	sil	Str	ser	Mod	Silicified - pervasive throughout interval. Sericite - patchy coarse grained silvery. Limonite - patchy occurring along fracture surfaces.	N	EPy	5	Sp	0.1	Gn	0.1		Pyrite - fresh, euhedral, disseminated and locally clustered together, cubic, fine to medium grained.	15						
L519-313	63.5	65.15	SCH-i	SCH-ptm	Medium grey with light grey to white quartz lenses floating in the darker grey. SCH-i with pygmatically folded quartz lenses. Patchy silvery coarse grained sericite throughout this unit.	ser	Wk	carb	Wk	Sericite - patchy coarse grained silvery. Patchy weak carbonate alteration.	N	EPy	3					Pyrite - fresh, disseminated, cubic, euhedral, fine to medium grained.	0.5							
L519-313	65.15	70.1	SCH-i	SCH-tec	SCH-i with local SCH-tec (patchy); Medium to dark grey with patchy coarse grained silvery sericite. Patchy carbonate alteration - locally clustered together. A total loss of 0.65 m over this interval. Blocks had to be moved around as there was way too much core between blocks.	ser	Wk	carb	Wk	Sericite - patchy coarse grained, silvery. Carbonate - patchy local concentrations of carbonate alteration.	N	EPy	5					Pyrite - fresh, euhedral, fine to medium grained, cubic, disseminated.	2							
L519-314	0	3.05	OVB		oxidized rubble pieces						N															
L519-314	3.05	12.5	SCH-i		well developed crenulations. weak spotted chlorite. coarse grained euhedral pyrite. foliation fabric most often deformed. fractured core common at the beginning and gradually decreases in abundance.	carb	Wk	oxi	Wk	weak pervasive carb throughout. limonite + pyrolusite found on fractured surfaces. coarse grained sericite generally increases in abundance towards down hole. weak spotted chlorite.	N	EPy	0.5					coarse grained euhedral and subhedral variably tarnished pyrite locally up to 0.5%.	45							
L519-314	12.5	12.65	MDYK		old mafic dyke. sharp dark contacts make easily distinguishable contrast to SCH-i. covered with spotted orange carbonate.	carb	Str	ser	Mod	pervasive spotted orange carb. coarse grained banded sericite.	N	Cal	3					orange pervasive spotted carb.								
L519-314	12.65	14.5	SCH-i		more quartz flooding and fractured core than previous SCH-i.	chl	Wk	ser	Wk	weak spotted chlorite. weak sericite. trace patchy carb at end of interval.	N	EPy						trace fine grained euhedral pyrite.	55							
L519-314	14.5	17.6	BAS		fractured pieces. contains some very fine grained porphyritic inclusions. gouge on upper contact slip surface.	lim	Mod			orange-brown stain on otherwise black basaltic dyke.	N							no significant mineralization. possible magnetite at 16m.								
L519-314	17.6	32	SCH-i	SCH-tig	mostly fractured core, becoming more competent towards end. silver sericite found on fractured surfaces, no carbonate. chlorite is generally either in thin bands or spotted. there is a weak tig texture from 21.2m-21.5m. well developed crenulations in some areas.	ser	Mod	chl	Mod	spotted and banded chlorite. silver sericite. orange spotted limonite.	N	EPy	1					rusty euhedral pyrite up to 1% at 31m. otherwise medium grained shiny subhedral pyrite disseminated trace.	40							
L519-314	32	32.1	MDYK		old mafic dyke. bands of strong orange carbonate.	carb	Str	ser	Str	strong coarse grained sericite. orange banded carb.	N	Cal	4					orange banded calcite.								
L519-314	32.1	32.35	SCH-i		short interval in between two old mafic dykes. well developed crenulations.	chl	Mod	carb	Wk	weak pervasive carb. banded chlorite exhibiting crenulation planes.	N	carb						no significant mineralization.	50							
L519-314	32.35	32.45	MDYK		possible old mafic dyke? sharp contacts with neighboring SCH-i. full of orange altered substance. some orange is limonite and other is carbonate.	lim	Mod	carb	Str	orange limonite and orange carb.	N	Cal	2					orange calcite.								
L519-314	32.45	34.3	SCH-i		mostly fractured pieces of core. well developed foliation. spotted chlorite. silica flooded.	chl	Wk	ser	Wk	weak sericite and spotted chlorite.	N	Py		Qtz				medium grained semi-rusty subhedral pyrite. trace blue qtz eyes at 37.8m.	50							
L519-314	34.3	35.75	MDYK		old mafic dyke. combination of spotted orange and white carbonate.	carb	Str	ser	Tr	orange and white spotted carb. trace sericite.	N	EPy						trace fine grained euhedral pyrite.								
L519-314	35.75	42.4	SCH-i		SCH-i rubble and fault zone. gouge from 38.1m-38.3m and 39.3m-39.5m. casually grades into QAS below. possible remnants of old mafic dyke in rubble from 40m-40.2m.	carb	Wk	lim	Wk	weak pervasive carb. weak limonite stains and spots throughout.	N	EPy	0.5	Qtz				trace blue qtz eyes. rusty fine grained pyrite locally up to 0.5% nearing the end of the interval.	55							
L519-314	42.4	45.55	QAS		blue qtz eyes and white qtz porphyroclasts primarily compose fabric. some rubble zones exist. not much for alteration. shattered pieces of qtz vein from 42.45m-42.67m.	lim	Mod			moderate limonite stains on qtz and fresh core surfaces.	N	EPy	1	Qtz	8			combination of rusty and shiny fine grained pyrite cubes, and white and blue qtz porphyroblasts.	50							
L519-314	45.55	56.55	SCH-i		highly silica flooded, many quartz veins and sweat until 54m. major fracturing and lost core from 49.5m-54.4m. pyrite, galena, chalcopyrite mineralization found in veins. abundant rusty pyrite found outside of veins.	sil	Str	lim	Mod	moderate limonite stain decreasing in content towards down hole until ceases at around 54m. sericite along crenulation surfaces at 48m. strong silica flooding. patchy and pervasive carb locally.	N	EPy	2	Ccp		Gn		chalcopyrite and galena found in veins. fine grained rusty pyrite locally up to 2% at 50.2m.	70							
L519-314	56.55	58.45	MDYK		ye olde mafic dyke. orange carbonate around lower contact. white spotted carbonate in the middle. coarse grained subhedral pyrite.	carb	Str			spotted carbonate. multiple calcite stringers.	N	Cal	10	Py	0.5			spotted calcite and stringers. coarse grained subhedral pyrite up to 0.5% at 56.6m.								
L519-314	58.45	62.2	SCH-i		green-grey color. large quartz porphyroblasts. driller dropped core at 59.5m, brass from drill on edge of core from 59.7m-60m. bleb of old mafic dyke from 61.5m-61.7m.	lim	Tr	carb	Tr	very thin calcite stringers rare. trace limonite found on fractured surfaces.	N	EPy		Qtz	6			trace disseminated very fine grained pyrite. large quartz porphyroblasts throughout interval.	40							
L519-314	62.2	62.25	MDYK		short old mafic dyke. covered in white spotted carb. fine grained subhedral pyrite.	carb				spotted white carb.	N	Cal	5	Py				trace fine grained subhedral pyrite. spotted white calcite.								
L519-314	62.25	69.2	SCH-i		very similar to previous SCH-i before mafic dyke at 62m. green-grey. quartz porphyroblasts. fractured core not uncommon. appears slightly felsic from 68.5m-69.2m. sharp contact with dyke below.	lim	Tr	carb	Tr	very thin calcite stringers rare. trace limonite found on fractured surfaces.	N	EPy		Qtz	2			trace disseminated very fine grained pyrite. quartz porphyroblasts decrease in abundance towards end of interval.	45							
L519-314	69.2	71.5	BAS		sharp contacts. appears to be a lighter colored andesite? for the first 40cm. upper contact runs almost sub parallel t/c and is irregular and fractured. magnetic. locally porous, some areas dry instantly when sprayed with water. shattered pieces from 70.75m-71.25m, uniform pieces no larger than 0.5cm in concentrated area with competent core on both sides. (reason for this zone is unknown).	carb	Str	lim	Tr	trace limonite on fractured surfaces. carbonate locally pervasive and patchy in small fractured zones.	N	Mag	2				magnetite up to 2% locally.									
L519-314	71.5	74.1	SCH-i		green-grey. well developed crenulations. trace blue qtz eyes. white qtz porphyroblasts more common. deformed fabric. trace disseminated pyrite. sharp contact with dyke below. possible chili margin 10cm before contact with dyke.	carb	Tr	ser	Tr	trace sericite along some crenulations. trace patchy carb.	N	Py						trace disseminated very fine grained subhedral pyrite.	50							
L519-314	74.1	74.85	BAS		sharp contact. lighter colored, possibly andesitic for the first 10cm. the rest is black-brown. magnetic. brittle fracturing.	carb	Str			strong patchy pervasive carb.	N	Mag	3					moderately magnetic.								
L519-314	74.85	83.2	SCH-i		green-grey. fairly competent core. moderately developed foliation. trace disseminated pyrite. trace qtz porphyroblasts. becomes deformed in patches towards interval starting at 81m. trace calcite stringers. galena found in vein.	carb	Wk	ser	Tr	weak patchy carb. trace sericite.	N	Py		Gn				trace disseminated fine grained subhedral pyrite. trace galena found in vein at 78.8m.	50							
L519-314	83.2	86.3	SCH-i	SCH-tec	deformed fabric, no primary orientation. strongly silicified. spotted chlorite, coarse grained sericite. virtually no pyrite visible with the exception of one small pyrite grain.	chl	Wk	ser	Mod	coarse grained sericite overprint. spotted chlorite. strongly silicified.	N							no significant mineralization.	70							
L519-314	86.3	87.75	SCH-i		fabric becomes relatively planar. blebs of old mafic dyke are not uncommon. crenulations sometimes visible. silica flooded unit above sometimes makes its way down here.	ser	Wk	carb	Mod	weak sericite overprint. moderate patchy carb.	N	Py						trace disseminated medium grained subhedral pyrite.	55							
L519-314	87.75	87.85	MDYK		small zone of old mafic dyke. less white spotted carbonate than usual. sharp contacts with surrounding rock. dark green-grey appearance. crenulations visible.	carb	Str	ser	Wk	strong patchy carb. weak sericite overprint.	N	Cal	2					patchy linear calcite.								
L519-314	87.85	109.5	SCH-i		green-grey. competent core. disseminated pyrite throughout. appears more felsic than usual from 93m-99m. red hematite stained patches. trace blue qtz eyes throughout. disseminated magnetite. small zone of mafic dyke visible from 108.7-108.72m.	hem	Mod	carb	Tr	trace patchy carb. moderate hematite stain from 89.3m-91m and 107.7m-108m.	N	Py		Mag	2			disseminated fine-medium grained magnetite throughout. disseminated medium grained subhedral pyrite throughout.	55							
L519-314	109.5	109.9	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	109.9	113.8	SCH-i		possibly QAS. qtz porphyroblasts exist, and some are blue, but they are not as vibrant in color as general QAS. fractured core zone from 111.25m-112.25m.	lim	Mod	ble	Wk	moderate limonite stain and weak bleach in close proximity to the fractured zone near 112m. trace calcite stringers.	N	EPy		Mag		Qtz		trace disseminated very fine grained pyrite cubes. blue qtz eyes and white qtz porphyroblasts. trace very fine grained magnetite decreasing in content towards end of interval.	45							
L519-314	113.8	114.4	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	114.4	115.85	SCH-i		well developed foliation. white spots of calcite. trace blue qtz eyes. disseminated pyrite.	carb	Tr		Tr	trace spotted carb.	N	EPy		Qtz				disseminated euhedral pyrite. trace blue qtz eyes.	50							
L519-314	115.85	116	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	116	116.2	QAS		blue qtz eyes. well developed foliation. disseminated pyrite.	N	EPy	0.5	Qtz	1								blue qtz eyes. disseminated euhedral/subhedral pyrite.	50							
L519-314	116.2	116.5	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	116.5	117	SCH-i		silicified grey. weak skeletal texture. disseminated pyrite.	sil	Wk		Tr	weak silicified skeletal texture.	N	EPy	0.5	Qtz				disseminated pyrite. trace blue qtz eyes.	55							
L519-314	117	117.25	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	117.25	119.6	QAS		blue qtz eyes. weak tig texture. pale green chlorite bands. spotted white carb. clusters of coarse grained pyrite.	carb	Mod	chl		spotted white carb. pale green bands of chlorite.	N	Py	0.5	Qtz	0.5			coarse grained subhedral pyrite. blue qtz eyes	55							
L519-314	119.6	119.7	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	119.7	142.5	SCH-i		green-grey. possible sch-f from 121m-123m (abundant qtz sweat, green-grey core. hematite stained core from 135.7m-137m and 140m-141m. qtz porphyroblasts common throughout.	hem	Mod	carb	Wk	moderate hematite stain. patchy carb mostly on qtz sweat. pervasive carb from 131.5m-131.6m.	N	EPy		Ep	3	Qtz		trace disseminated euhedral pyrite. qtz porphyroblasts and trace blue qtz eyes. epidote from 139.5m-141m.	60							
L519-314	142.5	142.85	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	142.85	145.55	QAS		blue qtz eyes. disseminated pyrite. silver of mafic dyke from 143.1m-143.12m.	carb	Tr			trace calcite stringers.	N	EPy		Qtz	2			trace disseminated pyrite. blue qtz eyes and white qtz porphyroblasts.	60							
L519-314	145.55	145.75	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	145.75	154.1	SCH-i		bleached SCH-i. very pale color in comparison to previous intervals. sericite found in a substantial amount near upper contact.	ser	Str	ble	Mod		N															
L519-314	154.1	154.25	MDYK		old mafic dyke. dark green color. white calcite spots throughout. deformation fabric visible on core.	carb	Str	ser	Tr	trace sericite along crenulation surfaces. strong white spotted carbonate.	N	Cal	4					spotted and stringer calcite.								
L519-314	154.25	159	SCH-i	SCH-tig	bleached grey sch-i appearance with moderate wispy chlorite tig texture.	ser	Str	chl	Mod	bleached sch-i and moderate wispy chlorite. strong sericite.	N	EPy	0.5	Cal	3			disseminated pyrite up to 0.5% locally. calcite stringers pervasive.	40							
L519-314	159	160.02	SCH-f		pale green sch-f with abundant foliation qtz and moderate sericite.	ser	Wk			weak sericite overprint, most likely from previous interval.	N	EPy														

Hole ID	From (m)	To (m)	Lithology	Texture	Lithology (written log)	Alteration	Alteration intensity	Alteration 2	Alteration intensity 2	Alteration Description	VG	Mineralization	Mineralization (%)	Mineralization 2	Mineralization 2 (%)	Mineralization 3	Mineralization 3 (%)	Mineralization Description	% Fol Qtz	Structure	Structure Angle (tca)	Structure 2	Structure Angle 2 (tca)
LS19-315	24.6	24.85	QV		25cm interval of orange limonite stained qtz vein. composed of four fractured vein pieces, all with the same alpha angle fracture. no apparent mineralization.	lim	Str			strong orange limonite stain.	N							no apparent mineralization.					
LS19-315	24.85	42.3	SCH-I		same moderately dark green-grey appearance as previous SCH-I interval. relatively the same amount of qtz porphyroblasts and spotted limonite. well developed foliation in some spots. multiple zones of fractured core from faulting and jointing. composing approximately 15% of core in this interval.	lim	Mod	carb	Tr	spotted limonite found throughout. weak pervasive carb found for a short interval near 33.5m.	N	EPY	2.5	Qtz	3			coarse grained semi-rusty euhedral pyrite cubes found disseminated throughout, up to a maximum of about 2.5% near 31.2m. quartz porphyroblasts become larger in grain size relative to previous SCH-I intervals but decrease in abundance.	45				
LS19-315	42.3	44.1	SCH-I	SCH-tec	thick bands of intensely deformed foliaform qtz make it near impossible to determine any type of fabric present. small slivers of felsic apparent starting at 43.7m.	carb	Wk	chl	Wk	weak sericite overprint. weak spotted orange carb (ankerite?). weak spotted chlorite.	N	EPY						trace euhedral pyrite found at 43.8m.	60				
LS19-315	44.1	44.4	SCH-f		sneaky sliver of felsic. quite a bit of brass from drill rubbed off on core. very silicified, light green-grey. spotted dark chlorite.	chl	Mod	sil	Str	spotted dark chlorite. strongly silicified.	N	EPY						trace foliaform very fine grained euhedral pyrite.	65				
LS19-315	44.4	46	SCH-I	SCH-tec	thick bands of intensely deformed foliaform qtz make it near impossible to determine any type of fabric present.	carb	Wk	ser	Mod	moderate sericite overprint. weak spotted orange carbonate (ankerite?).	N	EPY						trace foliaform and disseminated very fine grained euhedral pyrite.	60				
LS19-315	46	50	SCH-I		three rubble zones within first two meters with 0.2m core lost. well developed foliations. becomes heavily silicified with abundant foliaform qtz from 49.5m-50m. lower contact is old mafic dyke. some slivers of mafic dyke exist in this interval for the last meter before contact.	carb	Mod	ser	Wk	weak sericite overprint. moderate patchy and weak pervasive carb.	N	EPY						trace very fine grained euhedral cubes that often form in clusters.	55				
LS19-315	50	50.5	MDYK		old mafic dyke. gradational contacts. orange banded carbonate. dark grey-black appearance.	carb	Str	ser	Mod	moderate coarse grained sericite. strong orange banded carb.	N							no significant mineralization.					
LS19-315	50.5	57.3	SCH-I		strongly crenulated core. not deformed enough to call it tec texture but its close. becomes increasingly more silicified towards down hole. large rubble zone from 55m-58.5m.	carb	Mod	ser	Mod	moderate coarse grained sericite overprint. moderate patchy and weak pervasive carb. trace spotted chlorite.	N	EPY		Qtz				trace fine grained euhedral cubes that often form in clusters. trace blue qtz eyes found at 54.9m.	55				
LS19-315	57.3	60	SCH-f	SCH-tig	silicified light green-grey appearance with lenticular wisps of dark green chlorite. strong sericite alteration is prominent. grades into pale green SCH-f below.	ser	Str	chl	Mod	strong sericite prominent. dark green lenticular wisps of chlorite. moderate spotted limonite. weak MnO.	N							no apparent mineralization.	60				
LS19-315	60	62.7	SCH-f		grades from f-tig into pale green silicified SCH-f. possibly a tone of grey too much to be considered "footwall felsic". foliation appears to be slightly wavy and sub parallel tica at 62m. sharp contact with SCH-I below.	sil	Str	carb	Wk	weak patchy orange carb (FeO calcite?).	N	EPY						trace very fine grained euhedral cubes that often form in clusters.	65				
LS19-315	62.7	68	SCH-I		sharp contact with SCH-f. bleached SCH-I unit. fractured zone from 64m-64.5m. silica flooded and sericitized.	ble	Mod	ser	Mod	sericite overprint and bleached.	N								no apparent mineralization	55			
LS19-315	68	93.6	SCH-I		zones of patchy limonite and silicified core from 68m- 78.5m. core is generally a green-grey color, but is relatively dark grey for the sub interval 81m-84m. abundant plagioclase porphyroblasts become apparent from 87m-92.5m. strongly silica flooded from 92.5m-93.6m until this lithology comes into contact with a hematized version of SCH-I. oriented core measurements were taken for this interval. many x-cut veins.	lim	Wk	sil	Mod	patch silicified zones throughout. patchy weak limonite from 68-78.5m. weak patchy carb throughout, as well as multiple calcite stringers.	N	EPY		PI	5			trace disseminated medium grained euhedral pyrite, with highest concentrations found in veins. plagioclase porphyroblasts up to 5% disseminated through the sub interval of 87-92.5m.	60				
LS19-315	93.6	95.4	SCH-I		distinctive red-purple stain from hematite. highly silicified zone. trace disseminated pyrite. moderate amount of brass from drill bit on surface of core throughout.	hem	Str	carb	Mod	moderate pervasive carb. strong red-purple hematite stained core throughout.	N	EPY		Mag				trace medium grained disseminated euhedral pyrite. trace magnetite found at 95m.	60				
LS19-315	95.4	129.54	SCH-I		same silicified green-grey appearance as previous SCH-I (from 68m-93.6m), with an increased amount of qtz veins and sweats. at around 107m we see a general trend of darker green-grey core that generally has more crisp boundaries for S2 and S3 foliations. the darker core is alternating between lighter colored core in thin layers. remnants of possible old mafic dyke with unclear boundaries from 121.6m-122.05m.	chl	Wk	sil	Mod	trace hematite stained core from 123.2m-123.4m. weak spotted chlorite from 111m-113m. silicified throughout. weak sericite overprint found in localized patches throughout.	N	EPY	1	Mag	2			disseminated cubes of yellow pyrite - has the same color as gold but has pyrite crystal structure and hardness. local clusters with abundances of up to 1% found at 114m. weak pervasive and weak patchy carb. magnetite found between 120m-121m.	60				
LS19-316	0	12.7	OVb		dark brown muddy material with occasional SCH-I and quartz fragment inclusions. starts at 4.57m and comes into contact with SCH-I at 12.7m where core fragments become more abundant.					no significant alteration.	N							no significant mineralization.	5				
LS19-316	12.7	14.6	SCH-I		SCH-I fragments in muddy matrix. mica-rich gouge from rocks being pulverized during faulting. there is a weak tig texture within the last 20cm that is barely visible with the lack of actual rock fragments present.	lim	Wk	ser	Mod	sericite found in semi-competent rock fragments, as well as assumed to be in pulverized mica-rich gouge. weak limonite blobs in semi-competent core.	N	EPY						trace rusty cubes of pyrite.	10				
LS19-316	14.6	18.3	Lamp		dyke. possible lamprophyre? dark brown color. broken into angular clasts due to faulting. prominent soft black circular mineralization pattern with lighter color inside. possibly altered feldspar? non-reactive with HCl. sharp contacts with surrounding lithologies.	oxi	Mod			oxidized to the point where its difficult to determine the character of mineralization. the upper and lower contact are generally a brighter orange color than the middle which is a dark brown color.	N	PI	15					possibly plagioclase? could be some other mineral. appears to look like dark black spotted leopard print and has a hardness of about 4-5.					
LS19-316	18.3	22.7	SCH-I	SCH-tig	com																		