

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
LS20-336	3	22.3	SCH-i	SCH-ptm	Unit is highly contorted with crenulation cleavage offsetting deformed foliations. Crenulation at 70° to CA, foliations variable but often subparallel to CA. Occasional patches of epidote, patchy carb is pervasive, except in most weathered sections. Quite weathered to 22m depth, from weathered out anhedral py, to a tan colour.	carb	Mod	arg		patchy Epidote	N	Ep	0.5						
LS20-336	22.3	26.38	SCH-i		Normal silicious Sch-i with 1 to 2 %fine py, and typical bluish green colour. Patchy carb throughout. Weathered tan coloured units above and below are likely very similar in composition, but are weathered along structural fractures, and intensely deformed zones. This unit is much less deformed.	carb	Mod				N								
LS20-336	26.38	46.7	SCH-i		Back into more weathered Sch-i, with numerous subparallel to CA fractures extending along core. Unit is near ptymatically folded in places.	carb	Mod				N	APy	0.5						
LS20-336	46.7	52.59	SCH-i	SCH-tig	More silicious Sch-i, with chlorite ans epidote spots and elongated spots. Pyrite is ubiquitous, amd carb is strong and pervasive. Py at 2%. Has a somewhat waxy appearance likely due to sercite.	carb	Str	epi	Str	patchy epidote	N	APy	1.5						
LS20-336	52.59	64.2	SCH-i	SCH-lam-nu	Back to normal Sch-i, becoming more deformed down unit. Major Fuchsite seam at 55m, and Py at 2%. Nearly ptymatic at 61m, with again crenulations and fold axis at 52° to CA, and S2 folessentially running down the core axis. lower contact is in a gougey zone. much of unit is tan in colour from rusting or py....virtually all carb weathered out.						N								
LS20-336	64.2	67.06	SCH-f		Traces Fuchsite at contact in gougy zone. Unit is almost entirely gouge.						N								
LS20-337	5	14.2	SCH-i		Typical sch-i, with small rusty aligned specks caused by weathered py and carb. Well foliated, with occasional patchy epidote as as spots.						N								
LS20-337	14.2	23	SCH-i	SCH-ptm	Unit is much the same as above, but deformation increasing down hole, with vague ptm zones, and better segregation of light and dark bands. Still tan colouration due to weathering from surface.						N	EPy	0.5						
LS20-337	23	44.51	SCH-i	SCH-lam	Nicely laminated unit, with well segregated dark grey and light bands, as well as spotted chlorite and magnetite throughout. Mag susc up to 6.51. Quartz sweats are fairly prominent, occurring with similar frequency to the fw felsic unit below. Minor epidote as patches and along fractures, especiallynaround 33.5. Lower contact with Sch-i-ptm is gradational over .5m or so.	carb	Str	epi	Mod		N	EPy	1						
LS20-337	44.51	50.29	SCH-i	SCH-ptm	Well segregated grey/white lams, but quite contorted, and occasionally pulled apart to a tec texture. epidote from 42 to 47m	carb	Str	epi	Str		N	EPy	1						
LS20-337	50.29	56	SCH-f		Nice green siliceous felsic unit with occasional small white porphs of feldspar. Frequent rusty fractures with quartz veining, at 1 to 2cm thickness.						N	EPy	0.5						
LS20-337	56	58.8	SCH-f	SCH-tig	Good tig zone, with waxy sercite, and small stretched chlorites.						N								
LS20-337	58.8	63	SCH-f	Other	Kind of a dirty felsic unit, with occasional zones of tig texture, with stretchwd chlorites, but also has the frequent quartz sweats, occasional feldspar porph, and manganese spots, typical of fw felsic unit. Becomes more typical down hole. Hole ends in a large fault, with blackish stained rubble from 77 to 79.25m						Y						VG beside a small sweat in sample 2024966		
LS20-337	63	65	SCH-f	SCH-tig							N								
LS20-337	65	79.25	SCH-f		Kind of a dirty felsic unit, with occasional zones of tig texture, with stretchwd chlorites, but also has the frequent quartz sweats, occasional feldspar porph, and manganese spots, typical of fw felsic unit. Becomes more typical down hole. Hole ends in a large fault, with blackish stained rubble from 77 to 79.25m						N								
LS20-338	2.75	17.8	SCH-i	SCH-ptm	Unit is typical grey and white bands, with deformation ranging from ptm to tec, and where weathered excessively, rock has a pitted tan colouration from rusting py and carb. Epidote is fairly abundant in minor quantities throughout. Several crenulation cleavage zones with folded schist between them have axial planes parallel to cleavage. Magnetite is present as small bluish grains fro 11 to 14m.						N								
LS20-338	17.8	41	SCH-i	SCH-lam-nu	Gradational contact with better organized, laminated sch-i, with some zones within which the laminations become indistinct. Quartz sweats are infrequent. Carb is notably lacking in this hole, and py is very sparse.						N								
LS20-338	41	45.72	SCH-f		Contact is a 10cm shear fault and unit for 20cm above and to lower contact is extremely silicified, with essentially feathery whips of sercite, in a silica matrix. Fuchsite is prominent as an emerald green colouration between 42.3 and 42.9m, in a porous, rusty stained silica zone. Almost NO pyrite!						N								
LS20-338	45.72	51.82	SCH-f	SCH-tig	Simillar to unit above, but contains several mor intermediate and chlorite containing tig textured zones, simillar to those encountered near the felsic contact in hole 337. Py is sparse but present.						N								
LS20-339	3.05	32.67	SCH-i	SCH-ptm	Top unit is similar to other holes on this section, starting in a well segregated grey and white schist, which changes rapidly between a near pTygmatically folded schist, and a nice wavy laminar...near-sch-lam schist. Centimeter spaced crenulation cleavage is sometimes vague, and sometimes very apparent, and where apparent, it is about 50 degrees to ca, and foliation is closer to parallel to ca. There is a short magnetic zone up to 2.02 mag susc, at about 8m, with grey magnetite crystals and clear laminations.	carb	Wk				N	EPy	0.5						
LS20-339	32.67	48	SCH-f		This unit is a contact zone between the intermediate package above, and good typical green, massive felsic rocks below. It is characterized by a narrow 0.3m rusty porous fault at 32.67, and then intensely silicified felsic rocks below, with mainly silica and feathery whips of sercite. The unit is whitish tan in colour, mostly kind of chaotic, though there well foliated zones too. Fuchsite is present at 33 and 35m, indicating substantial fluid flow along the contact.	carb					N	EPy	0						
LS20-339	48	54.82	SCH-f		Typical bright green Felsic Footwall unit, with abundant lumpy quartz sweats. Between 45.7 and 51 is 2 faults, with sand and rubblen, and unit is quite broken to the end						N								
LS20-340	3.05	20	SCH-i	SCH-tec	Simillar to other holes at the west end of Lone Star, the unit varies from plain sch-i, to a more tec looking, well segregated laminar rock, with laminations, broken and offset. Colour varies from tan in rusty weathered zones, to normal grey and white. Virtually no crenulation cleavage evident in this hole. Epidote is common in the upper 17m. Euhedral py is common as fine disseminations, and carb is moderate.						N								
LS20-340	20	30.48	SCH-i	SCH-ptm	Unit becomes more disorganized below about 20m, with swirls and clots of chlorite rich rock, and creamy coloured felsic material. It is not good ptm, as it is too irregular, but, but clearly has been tectonized to a significant degree. A spotty magnetic zone occurs between 22 and 29m, maxing out at 2.46 mag susc. From 29.8 to 30.3, unit becomes very siliceous....similar to other holes on this section, indicating proximity to the felsic contact, but the hole didnt actually cross the contact and the hole ends in sch-i. There is no Fuchsite at the contact either, as there is in other holes.						N								
LS20-341	4.5	21	SCH-i	SCH-yel	Unit ranges from a clotty chlorite/feldspar rich, green and cream coloured disorganized texture, to a vague, tec texture, with more laminated grey and cream bands. Numerous quartz sweats throughout. Unit is weathered, with rusty speckles, about 2mm dia, representing rusted carb and py. Pyrite is mostly euhedral, with rusty margins, and occasionally shiny centers. Carb is moderate, mostly as small spots and in cracks and fractures. Epidote is patchy.						N								
LS20-341	21	30	SCH-i	SCH-ptm	Somewhat better organized than above unit, with grey and white broken and wavy laminations. Weak magnetic zone around 23m. Vague crenulation cleavage apparent at 25 to 31m, at 45 or flatter degrees to CA.						N								
LS20-341	30	33	SCH-i		Finer grained than above, perhaps silicified. loses two tone coloration and laminations.						N								
LS20-341	33	40	SCH-i	SCH-ptm	Back into the well segregated schist, with mtraces of epidote, and abundant carb. Weak magnetic zone st 39m up to 0.401 mag susc.						N								
LS20-341	40	56.4	SCH-i	Other	This starts the transition zone to sch-f, a nd spans down to 60.96. Consists of a zone of quartz veining and intense silicification around the intermediate/felsic contact. In this hole it looks like intensely silicified intermediate schist, but in other adjacent holes, it seems as if much of the silicification is in the felsic unit. 4 nice looking qv's between 40m and 43.5m, as well as intense silica zones from 48.8 to 49.86 and 51m and again from 52.8 to 53.22. These have rusty vugs, etc. - and some pink spots of likely rhodochrosite? some small white porphs of feldspar around 56m may indicate a felsic component.						N								
LS20-341	56.4	60.96	SCH-i	SCH-tig							N								
LS20-341	60.96	65.53	SCH-f		Good well foliated felsic unit, with rectangular feldspar phenos, and laminations close to 90 degrees to ca.						N								
LS20-342	2.75	28	SCH-i		med grey with intermittent very strong rust and decreases downhole; patchy faulting in beginning of interval and decreases downhole with a total of 2.9m core loss; strong but irregularly foliated; 1% cubic pyrite 1-3mm; weak patchy carb alteration; occasional crenulation visible; Mn and Fe oxides on fracture surfaces; approx 5% foliaform qtz; strongly sercite altered;	lim	Str	carb	Wk	strong limonate alteration with weak patchy carb alteration	N	EPy	1					1% 1-3mm euhedral py, some py cubes rusted out;	5
LS20-342	28	30	SCH-i	SCH-lam-nu	med grey; strongly foliated but not uniform; spotted chlorite texture; minor epidote alteration; moderate pervasive carb alteration; 0.5% epy, 1-2mm, some rusted and some fresh; epidote appears to be replacing cubic mineral, possibly albite?; no apparent crenulation; plastic deformation evident as some laminations appear ptymatic textured	epi	Mod	carb	Mod	moderate pervasive carb alteration and epidote alteration	N	EPy	0.5					0.5% epy, 1-2mm, some fresh and some rusted	1

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LS20-342	30	33.75	SCH-i		med grey with intermittent strong rust and decreases downhole; weakly foliated; 1% rusted cubic pyrite 1-3mm; some py grains rusted out; weak patchy carb alteration; occasional weak crenulation visible; Mn and Fe oxides on fracture surfaces; 1% foliaform qtz; strongly sericite altered;	lim	Str	carb	Wk	strong limonate alteration with weak patchy carb alteration	N	EPy	1					1% 1-3mm epy, rusted, some grains rusted out	1
LS20-342	33.75	37.8	SCH-i	SCH-lam-nu	med grey; stongly foliated but not uniform; spotted chlorite texture; minor epidote alteration; moderate pervasive carb alteration; 0.5% epy, 1-2mm, fresh; epidote appears to be replacing cubic mineral, possibly albite?; no apparent crenulation; 2.11 mag anomaly; competent core; plastic deformation evident with pygmatic texture visible in laminations	carb	Mod	chl	Mod	moderate pervasive chlorite and carb alteration	N	EPy	0.5					0.5% epy, 1-2mm, fresh	
LS20-342	37.8	46	SCH-i		med grey and becomes bleached and lighter grey downhole with pervasive strong rust; strongly foliated; 0.5% rusted cubic pyrite 1-3mm; some py grains rusted out; py appears to follow foliation; weak patchy carb alteration; occasional weak crenulation visible; Mn and Fe oxides on fracture surfaces; 1% foliaform qtz; strongly sericite altered;	lim	Str	carb	Wk	strong pervasive limonite alteraion; weak patchy carb alteration;	N	EPy	0.5					0.5% rusted cubic pyrite 1-3mm, some py grains rusted out; py appears to follow foliation	
LS20-342	46	46.7	SCH-i	SCH-tig	light grey, bleached unit; crenulations separate chlorite wisps; strong patchy rust/limonite alteration; no apparent carb alteration; 0.5% rusted epy, some grains rusted out leaving boxwork py; tig unit indicates there may be FW felsic nearby but hole is not long enough to hit FW;	lim	Str			strong patchy limonite alteration	N	EPy	0.5					0.5% rusted epy, some grains rusted out leaving boxwork py	
LS20-342	46.7	53.34	SCH-i		light grey, bleached unit; strong patchy rust, especially on fracture surfaces; trace rusted cubic pyrite 1mm; some py grains rusted out; major fault zone with 4.0m core loss;	lim	Str			strong patchy limonite alteration	N	EPy						trace rusted cubic pyrite 1mm	
LS20-343	4.1	34	SCH-i	SCH-tec	med grey with intermittent strong rust staining which decreases gradually downhole; periodic SCH-tec texture with plastic deformation of siliceous portions in a chlorite and sericite matrix; intermittent strong crenulations present; intermittent zones of abundant euhedral boxwork py up to 5mm; some (2%) rusted euhedral py remaining up to 3mm; Mn and Fe oxides on some fracture surfaces;	lim	Str			intermittent strong rust staining which decreases gradually downhole	N	EPy	2					2% rusted euhedral py up to 3mm	
LS20-343	34	49	SCH-i		med to light grey with intermittent rust staining, particularly surrounding core fractures and rust staining decreases downhole; core becomes increasingly bleached downhole; small zone of tig texture from 40-40.5m; boxwork py has decreased relative to previous interval, roughly 0.5%, up to 3mm; less plastic deformation than previous interval but still low degrees present; intermittent moderate degree of crenulations present; trace fresh epy 1mm grainsize; fuchsite at 43.9m	lim	Str			intermittent rust staining, particularly surrounding core fractures and rust staining decreases downhole	N	EPy						trace fresh epy 1mm grainsize	
LS20-343	49	52	SCH-i	SCH-tig	light green grey with intermittent strong rust staining round core fractures; typical SCH-tig texture of Lone Star stratigraphy above FW felsic; chlorite wisps separated by crenulations; 0.5% rusted epy 1-3mm; 1% boxwork py	lim	Str			strong intermittent limonite staining especilly surrounding core fractures	N	EPy	0.5					0.5% rusted epy 1-3mm	
LS20-343	52	60.96	SCH-f		classic FW felsic; green coloured with strong foliations and occasional albite porphyries 1-3mm; trace rusted epy 1mm grainsize; minor limonite staining near core fractures; minor dendritic manganese on core fractures;	lim	Mod	mno	Mod	minor limonite staining near core fractures; minor dendritic manganese on core fractures;	N	EPy						trace rusted epy 1mm grainsize	
LS20-344	3.05	26	SCH-i		Typical sch-i unit, but with more rusty sweats than usual, throughout much of the unit, the dark and light segregated bands are quite broken and tec textured. Quite a bit more faulted and broken, than holes 336 to 340 on the adjacent detail section to the west. Virtually no carb, and only small traces of py. Overall, the unit approaches sch-lam in places, but is nowhere magnetic, with up to 5m zones of less organized, more clotty looking lithology.						N								
LS20-344	26	39	SCH-i	Other	Probable transition zone to Sch-f, but not as silicious as holes 336-341. The unit has a greenish (felsic) colouration, but still has the gry/white segregations under the pale green colour. It also has the frequent clotty looking white quartz sweats, common to the felsic unit. Virtually no carb, barest trace py.						N								
LS20-344	39	43.8	SCH-i	SCH-tig	Contact tig unit, with classic waxy look and stretched chlorites. Disorganized structure,						N								
LS20-344	43.8	50.29	SCH-f		Good classic sch-f, with a narrow tig zone from 44.5 to 45.2 . Good curdled looking quartz sweats, rimmed by chlorite.						N								
LS20-345	4.5	29.5	SCH-i	SCH-lam-nu	Very broken unit of well segregated grey and light sch-l, with occasional short interval of less organized clotty chlorite and creamy felsic rich rock. No magnetite noted, only merest traces of carb or py, but quite a few qtz veins noted in the vein table. Below 29 unit be omes bleached, and there is a very silicious zone.... associated with the contact below.						N								
LS20-345	29.5	36	SCH-i	Other	Contact zone of silicified Sch-i, with intense shearing and fuchsite at 30.2m. At 30.8m, foliation bands run parallel to CA, but prominent crenulation cleavage at betqeen 55 and 60 degrees to CA. Unit is quite silicified, increasing down to contact with tig unit below.						N								
LS20-345	36	38.1	SCH-i	SCH-tig	Typical tig texture intermediate unit above sch-f contact.						N								
LS20-345	38.1	43.5	SCH-f	Other	Silicified sch-f unit with rusty colouration, and zones of intense silicification.						N								
LS20-345	43.5	48.77	SCH-f		Typical footwall unit,, with clotty sweats, and traces euhedral py.						N								
LS20-346	2.2	9.4	SCH-i		med grey; Mn and Fe oxides on fracture surfaces; strong patchy rusting; some Mn oxides in void space; patchy faulting throughout interval with a total of 0.7m lost; crenulated and irregular foliations; trace rusted epy approx 1mm; one very large 1-5cm euhedral py grain at 4.0m depth	lim	Str			strong patchy rusting	N	EPy						trace rusted epy approx 1mm	
LS20-346	9.4	11.7	SCH-i	SCH-lam-nu	non uniform laminated schist unit; deformation appears to separate some of the laminations making the unit slightly resemble tig texture; 2% square minerals possibly replacing magnetite? minor spotted chlorite; strong Fe oxides on fracture surfaces; minor rust staining on core; no apparent py grains, but boxwork py visible up to 2mm	lim	Mod			minor rust staining on core	N								
LS20-346	11.7	27.1	SCH-i		med grey with lighter silicified zone from 20-23m; small unit of tig texture at 17.2-17.35m; several large sections of qtz in interval, likely sweats but with rusting and mineralization, possibly economic; minor fuchsite at 21.47m; 1% fresh epy <1mm, appears to follow foliation; moderate patchy rusting on core with Fe oxides on fracture surfaces;	lim	Mod			moderate patchy rusting on core with Fe oxides on fracture surfaces;	N	EPy	1					1% fresh epy <1mm, appears to follow foliation	
LS20-346	27.1	29.5	SCH-i	SCH-tig	wispy chlorite separated by crenulations; med grey unit; minor brecciation of qtz sweats; moderate limonite staining near fracture surfaces; faulted lower contact; strong sericite alteration; trace rusted epy 1-2mm;	lim	Mod	ser	Str	moderate limonite staining near fracture surfaces; strong sericite alteration	N	EPy						trace rusted epy 1-2mm;	
LS20-346	29.5	39.62	SCH-f		classic FW felsic with faulted upper contact; greyish green; strongly foliated with occasional crenulations present; py in FW is coarser than usual - 1% rusted epy up to 3mm, larger epy grains have fresh cores; Fe and minor Mn oxides on fracture surfaces; occasional euhedral albite porphyries 1-4mm; strong sericite alteration;	ser	Str			strong pervasive sericite alteration	N	EPy	1					py in FW is coarser than usual - 1% rusted epy up to 3mm; larger epy grains have fresh cores	
LS20-347	12	47.15	SCH-i	SCH-tec	Unit is typical of a disrupted sch-lam, with clearly broken silicious bands. There are lots of remaining chlorite spots, similar to the other holes in this infill program, but no magnetite, and carbonate is much stronger than in many of the earlier more weathered holes. Except for the overburden and weathered top, to 14m, hole is not much weathered except for fault zones. Foliations are frequently subparallel to CA, and crenulations are common at higher angle to CA. Py is present at about 1.5% Between 34 and 37m, there are numerous sub-mm scale black chlorite filled tension gashes, at 20 degrees to CA						N								
LS20-347	47.15	54.86	SCH-i	Other	Silicified contact zone with felsic schist which starts at 54.86. Unit is paler grey, and picks up a waxy appearance from composition of silica and sericite. There are a number of zones of gouge, and a prominent zone of fuchsite at 56m. In general, the unit between 53m and the lower contact is broken and faulted, with more frequent gouge, as noted in the fault table. Pyrite is present at 3% very fine in segregated laminae, and quartz veining (although not a lot in this hole) is concentrated in this zone.	sil	Str				N	EPy	1.5						
LS20-347	54.86	65.53	SCH-f		Typical nice felsic schist, with normal green color, and curdled white sweats, with dark green chlorite rims. Unit has some very silicious zones, probably part of the contact focused fluid flow.						N								
LS20-348	2.8	44	SCH-i		med grey with intermittent strong rust, especially concentrated around core fractures; Fe and Mn oxides on fracture surfaces; very strong sericite alteration; minor epidote replacement, likely of feldspar, at 7-14m; higher concentration of rusted epy, approx 4%, mainly rusted and oriented parallel to foliation, 1-3mm grainsize; occasional crenulation visible; strongly foliated, foliations are irregular near top of interval; small zones (<1m) of apparent laminated zones, possibly just strong foliation as other diagnostic features of SCH-lam unit are absent, ie. magenettite or spotted chlorite; fuchsite at 36.5m; minor spotted chlorite texture at 40.2m;	lim	Str	epl	Wk	intermittent strong rust, especially concentrated around core fractures; Fe and Mn oxides on fracture surfaces; minor epidote replacement, likely of feldspar, at 7-14m	N	EPy	4					rusted epy, approx 4%, mainly rusted and oriented parallel to foliation, 1-3mm	
LS20-348	44	47.7	SCH-i	SCH-tig	strong tig texture; faulting at upper end of interval; very strong sericite alteration; trace rusted epy <1mm; crenulations separate chlorite wisps; classic tig texture above FW felsic	ser	Str			strong pervasive sericite alteration	N	EPy						trace rusted epy <1mm	
LS20-348	47.7	80.77	SCH-f		classic fw felsic; light to med green; major faulting at top of interval; patchy faulting throughout, outlined in fault tab; stongly foliated with intermittent visible crenulations; trace rusted epy <1mm; Mn and Fe oxides on fracture surfcies, but overall less rusting than upper intervals;						N	EPy						trace rusted epy <1mm	

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EC20-349	2.7	22.86	SCH-i	SCH-ptm	Typical Nugget zone bronzy coloured, extremely tectonized intermediate schist. Numerous instances of tightly folded foliation, between crenulations, and where obvious crenulations are absent, it is because the primary fabric has become the cren cleavage. C-S fabric indicating shearing is prominent throughout the hole. Rare narrow zones of scattered blue quartz eyes are found throughout, notably around 4m and again at 11.5m, and 20m Py is present throughout in amounts of 5% to locally 1%, and is euhedral with rusty reddish outcides and sometimes fresh zones within the cubes...Je not fully altered to limonite. Most of the veins in the vein zone, between 5 and 13m are broken, with few cross cutting angles. measureable. Photos taken of deformation to send to SRK. Between 11 and 14.5m, there is an abundabce of flatfish 4 to 5mm qvs or sweats.in the highly deformed rocks, which appear to be broken by the spaced crenulation cleavage...or maybe fed from cleavage planes? - Throughout hole there are several late epidote filled hairline fractures with with an approximate attitude of 045/ 80SE	carb	Mod			pathchy carb ranging from strong to absent.	N	EPy	1							euhedral py throughout, largely weathered to limonite, but sometimes has preserved shiny cores. gives the impresion of being microfractured, as the "shiny core" appears to be tiny individual areas of unweathered py in the rusty matrix.	
EC20-350	1.54	23.75	SCH-i		Very well indurated, typical Nugget side, bronzy coloured SCH-I. The rock is highly deformed, with many zones of spaced crenulation, and probably the "main fabric" is aligned with the crenulation angle. Could much of it be approaching a mylonite? If there are distinct greyish zones and more bronzy zones...but no obvious reason for this. Pyrite is ubiquitous and euhedral in habit, mostly weathered to limonite, but frequent unweathered cores. Carb is pervasive and strong. This is a coarser phase, and may have some biotite in it? From 20 to 22.3, remnant pytmatic folding, and broken laminae are prominent, coming into 8x zone below. From 22.3 unit is brecciated and healed. From 15 to 17.9m is upper (800m ASL) Nugget zone of quartz veining.						N										
EC20-350	23.75	38	SCH-i		Finer grained, and smoothly and uniformly foliated...though it is likely parallel to crenulation rather than foliation. There are several bands of blue quartz eyes in this unit. Compositionally, it is likely much the same as the unit above, but is quite different texturally. Greenish, rather than bronzy in colour. Pyrite is less common, carb is still pervasive. There are a number of anomalous Mag Susc numbers in the o.2 to 0.3 range. There is one distinct pale green, likely Jurassic dyke, fine grained and with occasional speckles of what appears to be chlorite between 34.84 and 36.18.						N										
EC20-350	38	46.78	SCH-i		Unit loses its uniform appearance, and has coarser and wavier bands of light and dark minerals, and many more sweats. Several muddy looking bands around 39.6m Strongest mag in hole is around 41 to 42m, with mag susc to 1.00. Must be very fine grained as not visable with glass, but strongly swings magnet. Pervasive, strong carb throughout. Pvrte is ubiquitous but very fine -1						N										
EC20-350	46.78	50	SCH-i	QV Zone	Start of 775 mASL mineralized zone, in the SCH-I, characterized by increase in Py to perhaps 2%, overall rusty colour, abundance of quartz veins and sweats.						N										
EC20-350	50	66	SCH-i		Unit regains its greyish colour, but there are still abundant veins, at least 2 with nice flecks of VG. There are 8 small and medium veins, cutting core at about 44 to 50 degrees... opposite the fabric of the wall rock, so dipping steeply into the hill...240ish/70 NW. Quartz eyes, both blue and white come and go in this unit. Below 59.3 unit picks up a steeper fabric, changing fromS5 to 60 to CA to 35 to 39 degrees. This is likely the controlling fault, and ddue to cross cutting fabrics, has a coarse granular appearance, and is in fact brecciated over intervals of up to .5m lower down.						N										
EC20-350	66	70.1	SCH-i	FLT BX	Brownish in colour, coarse appearing due to cross cutting intense fabrics, with limonite altered py and strong pervasive calBionate. Intensely disturbed. This is likely the controlling fault,						N										
EC20-351	2.6	43	SCH-i		med to dark grey; much less oxidation/rust than Lone Star holes; very strong degree of deformation with pervasive S3 fabric; S2 and S3 fabrics appear to be sub-parallel, at times indistingishable; D4 deformation visible intermittently throughout hole as low-angle tca crenulations with S-C fabric showing a dextral shear direction (photo taken); S3 fabric at higher angle tca than S4; minor limonite alteration on fracture surfaces; intermittent epidote alteration; occasional calcite veins, also low angle to core axis (related to D4?); 2% fresh multigenerational epy oriented with S4 fabric... possibly a fluid control with D4?; high concentration of foliaform qtz, approx 5%	carb	Mod	epi	Wk	minor limonite alteration on fracture surfaces; intermittent epidote alteration; occasional calcite veins, also low angle to core axis (related to D4?);	N	EPy	2						2% fresh multigenerational epy oriented with S4 fabric... possibly a fluid control with D4?		
EC20-351	43	45	SCH-i	SCH-tec	short interval of tectonized silica in a dark phyllosilicate matrix; moderate patchy epidote; 1% fresh epy <1mm; trace blue qtz eyes in matrix 1mm; minor limonite staining	epi	Mod	lim	Wk	moderate patchy epidote alteration; weak limonite staining	N	EPy	1						1% fresh epy <1mm		
EC20-351	45	63.77	SCH-i		med to dark grey with small intermittent zones of silica alteration that makes the core appear bleached; S3 fabric becomes increasingly pervasive downhole; at 58.3m to eoh the fabric appears to be entirely S3 and no S2 is visible; small intermittent zones of QAS <20cm; trace fresh epy <1mm; minor patches of S4 fabric visible; higher prevalence of calcite veins in this zone, still appear to be parallel to D4 deformation;	carb	Str			higher prevalence of calcite veins parallel to D4	N	EPy							trace fresh epy <1mm		
EC20-352	2.8	25	SCH-i	SHR	medium grey with strong ductile deformation visible; dominant fabric is likely S3 and not S2, with crenulations being S4; kinematic indicators (S-C) fabric also visible but difficult to tell if sinistral or dextral movement is occurring as hole is not oriented. 3% rusted epy visible, 1-4mm grainsize; epy appears to be oriented along S3 fabric; moderate patchy carb alteration, carb appears to be sitting along S3 fabric as well; occasional xcut carb veinlets 1cm wide; interval contains VG in large xcut QV, outlined in vein table; spotted chlorite texture intermittent throughout entire interval but may also just be sheared chlorite as opposed to traditional spotted chlorite observed at Lone Star	carb	Mod			moderate patchy carb alteration, carb appears to be sitting along S3 fabric as well; occasional xcut carb veinlets 1cm wide	Y	EPy	3						3% rusted epy visible, 1-4mm grainsize; epy appears to be oriented along S3 fabric;		
EC20-352	25	34.7	SCH-i		med grey with less evidence of shearing; dominant fabric possibly S2 (?); crenulations visible which may be S3; 1% rusted epy 1-2mm with no apparent directionality; weak patchy carb alteration; minor epidote alteration near foliaform qtz veins; minor carb veinlets approx 1mm present;	carb	Wk	epi	Wk	weak patchy carb alteration; minor epidote alteration near foliaform qtz veins; minor carb veinlets approx 1mm present;	N	EPy	1						1% rusted epy 1-2mm with no apparent directionality;		
EC20-352	34.7	35.7	QAS		1m long interval of QAS unit with BQEs 1-3mm; low degree of ductile deformation visible, dominant fabric may be S2; spotted chlorite texture from 34.7-35.0m; wk patchy carb alteration; 0.5% fresh epy <1mm	carb	Wk	chl	Mod	spotted chlorite texture from 34.7-35.0m; wk patchy carb alteration;	N	EPy	0.5						0.5% fresh epy <1mm		
EC20-352	35.7	52.51	SCH-i	SHR	med grey with high degree of shearing; dominant fabric likely S3 with crenulations being S4; abundant carb veinlets throughout interval, some up to 1cm wide with very strong chlorite on vein margins and abundant euhedral multigenerational py within at low veinlets generally at low angles to core axis; 2% rusted epy with no apparent directionality; brecciated MDYK at very bottom of interval, brecciated within QV zone, MDYK has mag anomaly of 0.647 and no visible chilled margins; abundant foliaform qtz, approx 10%; strong patchy carb alteration; patchy limonite staining near fracture surfaces and hematite staining at 49.05m;	carb	Str	hem	Wk	strong patchy carb alteration and weak patchy hematite staining	N	EPy	2						2% rusted epy with no apparent directionality		
EC20-353	3	22.6	SCH-i	SHR	Unit has abundant zones of prominent crenulation cleavage with s fabric, indicating slippage, -so within the Nugget deformation zone. From 9-13 lots of small blue quartz eyes. Pyrite is present in trace disseminated amounts, and carb is pervasive but weakly so. Crenulations are generally at lowish angles to CA, between 55 and 27, clustering in the 35 degree range. Rock has stretched lenses of chlorite amidst the tec like fabric.						N										
EC20-353	22.6	35.05	SCH-i		More uniform and more laminated in appearance, more light greenish than brown in the unit above. The rock is uniformly foliated at 55 to 70 degrees to CA, and planes are not wavy, nor is crenulation cleavage obvious. Occasional blue quartz eye, virtually no carb, but .5 % py as disseminated cubes and anhedral specks. Epidote appears as a pale green wash on the core from 28 to 34						N										
EC20-353	35.05	60.1	SCH-i	SHR	Back into sheared unit like from 3 to 22.6. Numerous zones of prominent crenulation between 24 and 38 degrees to CA, whilst main fabric is between 57 and 65 degrees. Unit has narrow intervals of greenish uniformly foliated rock, as from 22.6 to 35.05, which have virtually no carb, whilst the sheared zones have pervasive carb. One of these, from 42.85 to 45.72 hosts 3 quartz veins. Unit is rusty, with frequent quartz sweats between 45.72 and 60.1 Uniformity of banding improves going downhole,						N										
EC20-353	60.1	68.58	SCH-i	SHR	Graphitic seams appear, giving unit an etched appearance in white/black. Sfabric is prominent, along with crenulations at 40 degrees. Carb is nearly absent, as is py.						N										
EC20-353	68.58	71.63	SCH-i	SCH-tec	Grey and white, very competent, pervasive carb, minor py, mosta fabric is lensey and pulled into parallelism.						N										
EC20-354	7.3	24	SCH-i	SHR	med to dark grey with strong degree of ductile deformation; main fabric in core is likely S3, with S4 crenulations, as evidenced by sheared foliaform qtz lenses. S3 fabric tends to be approx 40 degrees to core axis, and S4 fabric at 10 degrees tca. Abundant rusted epy, approx 5%, 1-4mm; entire interval is host to patchy faulting with core loss in every RQD interval. Strong pervasive carbonate alteration. Fe oxides on fracture surfaces;	carb	Str	lim	Wk	Strong pervasive carbonate alteration. Fe oxides on fracture surfaces;	N	EPy	5						Abundant rusted epy, approx 5%,		
EC20-354	24	35.05	SCH-i	SHR	same as unit above but with evidence of higher degree of deformation; intermittent brecciation of unit likely caused by strong faulting; S4 crenulations are at higher angles tca, approx 25 degrees. Weaker, patchy carb alteration	carb	Wk	lim	Wk	wk patchy carbonate alteration. Fe oxides on fracture surfaces;	N	EPy	5						Abundant rusted epy, approx 5%,		
EC20-355	0.7	15.14	SCH-i	SHR	Unit is intensely sheared with prominent crenulation cleavage, and c-s fabric, indicating movement along crenulation planes. Nice cream and dark green phase of sch-I, with abundant euhedral, weathered py. Carb is variable, likely weathered out of some zones. The upper part of the hole, to approximately 21.34m, appears to have 2 crenulation cleavage directions, while below this depth, the unit takes on a streaky, grey/green and cream appearance, with drawn out lenses and a much less complicated texture...possibly a mylonite? This lower zone has small flecks of biotite present.						N										
EC20-355	15.14	15.34	MDYK		narrow zone, on half of the core, of a mafic dyke, weakly magnetic and quite carb rich.						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	% FoI Qtz
EC20-355	15.34	30.48	SCH-i	SHR	Below the dyke, the unit gradually changes to a streaky, uniformly aligned, lenticular fabric....probably more intensely deformed than above, where the fabric has been totally brought into alignment in a single direcTion at low angle to CA.						N								
EC20-356	4.5	9.75	SCH-i		med to dark grey; strongly foliated (foliations likley S3 fabric); minor limonite staining; 0.5% rusted epy, 1-2mm grainsize; low degree of crenulation; no apparent carb alteration; small (<20cm) intervals of QAS with BQEs appear 1mm	lim	Wk			minor limonite staining on fracture surfaces	N	EPy	0.5					rusted epy 1-2mm	
EC20-356	9.75	10.25	BAS		dark grey; very fine grained matrix with 1% plag phenocrysts up to 1cm; non-magnetic; contains strong pervasive carbonate; no apparent mineralization	carb	Str			strong pervasive carb	N								
EC20-356	10.25	38.1	SCH-i	SHR	med grey; higher degree of deformation than previous SCH-i unit; no apparent carb alteration; dominant fabric in rock appears to be S3, crenulations are likely S4; strong shearing in unit as evidenced by lenticular Qtz between foliations; greater amount of pyrite in this unit, approx 5%, 1-4mm grainsize rusted epy; patchy faulting throughout interval; several slip planes along D4 structures with very low angles to core axis, parallel to S4 fabric; strong Fe oxides with lesser Mn oxides on fracture surfaces; patches of abundant open space in rock, some cube shaped, likely where large py grains up to 7mm have been weathered out	lim	Str			strong limonite alteration on fracture surfaces	N	EPy	5					1-4mm grainsize rusted epy	
EC20-357	3.05	9.77	QAS		Unit is nice intermediate QAS, with blue eyes, somewhat stretched, along the prominent foliation at very low angles to core axis. Core fractured along long axis, making for nasty coring, and overall poor core recovery, and no opportunity for oriented core. Euhedral py is present in trace quantities, and carb is almost absent.						N								
EC20-357	9.77	13	SCH-f		Pale green HW Felsic, with aligned carb specks as mm scale beige amorphous clots. Minor disseminated Py.						N								
EC20-357	13	16	QAS		same as above						N								
EC20-357	16	25.3	SCH-f		Same as above, with more prominent curdled looking quartz sweats, with chlorite rims. Foliation is pronounced, and generally less than 30 degrees to core axis. Nice s fabric at 20.6m, between "foliation" planes, which implies that the main fabric may already be a crenulation cleavage direction. Lower contact is transitional, with alternating little bands of QAS and felsics.						N								
EC20-357	25.3	30.48	QAS	FLT	Unit is very broken and rubbly, with good crenulation at 14 degrees at 30m, showing lovely s fabric. The QAS has lots of pale blue Qtz eyes. There is a clay filled fracture at low angle to CA, 24 degrees, at 24.38 and again at 26.9						N								
LS20-358	1.52	5	SCH-i	SCH-tlg	Weathered sch I, with coarse sercites and no well defined fabric. Grades into the somewhat better organized pale grey and dark grey segregated rock.						N								
LS20-358	5	11.5	SCH-i	SCH-ptm	This is a silicious sch I, with vague pygmatic folds of pale grey bands. Perhaps this is a purple intermediate, as it has somewhat brighter green appearance, replaced by more chloritic unit below.						N								
LS20-358	11.5	27.5	SCH-i	SCH-tec	Well segregated pale and dark to black unit, with pulled apart bands. Patchy epidote from 25 to lower contact. Dark bands are from black chlorite, much darker than unit further to the west. Few foliations as unit is chaotic more than foliated. There is a general alignment suggesting fold noses and fragments running sub-parallel to CA.						N								
LS20-358	27.5	42	SCH-i	SCH-lam	Good sch-i-lam unit, with magnetite and minor epidote from 28m to 32m. Well laminated zones alternate with wider bands,						N								
LS20-358	42	46.57	SCH-i	SCH-ptm	Zone of less regularly banded sch i, with increasing amounts of quartz sweats as contact with sch f is approached.						N								
LS20-358	46.57	48.77	SCH-f	SCH-tlg	Good FWF with tig texture to 48.77						N								
LS20-358	48.77	91.44	SCH-f		Good FWF, with characteristic curdled looking sweats with chlorite selvages. Alternates between foliated but quite massive, to nicely banded to occasional zones of feldspar porphyries.						N								
LS20-359	2.6	11	SCH-i	SCH-tec	Nice grey and dark grey tec fabric, with coarse serecite, and vague crenulations at shallow angle to CA, perhaps 20 dwgrees to CA. Clearly stretched and broken bands, as well as crenulation cleavage indicate at least 2 phases of deformation.						N								
LS20-359	11	13.72	SCH-f		This is likely the purple intermediate unit, but has the pale green colour characteristic of Sch-f. Lower contact is broken						N								
LS20-359	13.72	35.4	SCH-i	SCH-tec	Tec unit similar to top of hole, with a zone between 21 and 28m of dark greenish, klondike aged dykes? These have biotite and occasional small quartz eyes, and show similar crenulation cleavage. Grades into a even green and pale grey ptm to tec unit, gradually becoming more laminar down hole below 32m. Lower contact is gradational 38						N								
LS20-359	35.4	38.3	SCH-f		Grey to pale green, with some hematization, and vague porphyroblasts of Qtz or feldspar. Feathery serecite and silica enrichment around some fractures. Whole unit may be a klondike intrusive?						N								
LS20-359	38.3	60.5	SCH-i	SCH-ptm	Zone of ptm to tec fabric, with numerous quartz sweats. Foliation is along CA from 42.6 to 47m, where it grades back into the grey well indurated and cream/ green layered unit down to 57m. From 57 to 60.5 is a contact zone of hematized, pink silica and black banded rock, possibly a structural zone, with mag up to 1.48 between 56 and 58m.						N								
LS20-359	60.5	86	SCH-f		Nice pale green, siliceous sch-f, becoming highly strained and much crenulated from 70m to lower contact. Lots of coarse serecite, and somewhat "shelly" in places. Lower contact with sch-i-tec is gradational. Only traces of py, and less of galena.						N								
LS20-359	86	102.11	SCH-i	SCH-tec	Totally pulled apart, pale/dark grey unit, typical of tec fabric. There are several vuggy zones up to 2cm dia, giving appearance of fluid flow through unit.						N								
LS20-360	1.3	2	SCH-f	SCH-tlg	Light green felsic schist with trace pyrite and moderate foliation	ser	Mod	sil	Wk		N								
LS20-360	2	4.85	SCH-i	SCH-tlg	Light to medium green intermediate schist with crenulation planes and moderate silicification. Strongly sericite altered. Wispy chlorite. Tig texture proximal to SCH-f.	alb	Wk				N								
LS20-360	4.85	8.8	SCH-i		Medium grey intermediate schist with intermittent carbonate and minor epidote alteration. Qtz sweats, foliaform Qtz veins, planar Qtz veins and stringers from mm cm scale. Qtz and feldspar porphyroblasts. Weakly developed s-c fabric. Shallow angled to core axis crenulations.	carb	Wk				N								
LS20-360	8.8	9.3	SCH-m		Old mafic dyke with strong carbonate alteration. Mag anomaly of 0.539. Crenulated dyke. Sharp lower contact.	carb	Str				N								
LS20-360	9.3	35.3	SCH-i		Medium grey intermediate schist with Qtz sweats and veining. Undulatory and foliaform Qtz veins and stringers. Euhedral pyrite in Qtz vein at 21m. Trace amounts of epidote blebs in matrix and selvaged on Qtz veins. Weak carbonate alteration. Fold nose @ 33.25 with associated py and ep coinciding with Qtz influx.	epi	Wk	carb	Wk	Carbonate with Qtz veins and fracture infilling. Epidote patchy	N	EPy	0.5					Disseminated trace pyrite	
LS20-360	35.3	36.4	SCH-i	SCH-ptm	Ptigmatic intermediate schist with moderate epidote alteration and trace py.	epi	Wk				N								
LS20-360	36.4	46.3	SCH-i		Medium grey intermediate schist with trace euhedral pyrite. Foliaform and planar Qtz veins. Strongly foliated. Moderate epidote alteration, weak carbonate alteration.	epi	Mod	carb	Wk		N	EPy	0.5					Disseminated trace euhedral pyrite	
LS20-360	46.3	51.35	SCH-i	SCH-ptm	Medium grey ptigmatic intermediate schist with trace euhedral pyrite in matrix and foliaform Qtz stringers and veins. Trace amounts of hematite within more mafic section associated with foliated Qtz stringers. Euhedral py grains up to 0.5 cm in diameter. Mafic sections possibly old dykes which produced hematite locally.	hem	Wk				N	EPy	0.5					Disseminated trace euhedral pyrite	
LS20-360	51.35	53.2	SCH-i	SCH-tlg	Light grey intermediate schist with ptigmatic texture. Weak faulting beginning at 52.86 m. Low angled crenulations.	mno	Wk				N								
LS20-360	53.2	56.6	SCH-f		Light grey to green felsic schist with minor faulting at top of contact through to 56 m.	ser	Str				N								
LS20-360	56.6	59.5	SCH-f	SCH-tlg	Light green to grey, silicified felsic schist with Tig texture and moderate foliation. Qtz sweats and foliaform Qtz veining. Moderate carbonate alteration.	ser	Str	carb	Mod	Carbonate associated with Qtz veining.	N	EPy	0.3					Disseminated trace euhedral pyrite	
LS20-360	59.5	81.55	SCH-i	SCH-tec	Light grey intermediate schist with strong metamorphic Qtz infilling. Moderate carbonate alteration throughout. Trace fine grained pyrite throughout. Traces of ptigmatic Qtz. Strong sericite alteration. Minor brecciation between 77-78 m.	carb	Wk	ser	Str		N	EPy	0.5					Disseminated trace euhedral pyrite	
LS20-360	81.55	116	SCH-i		Light grey, intermediate schist with weak patchy epidote alteration, and weak carbonate alteration associated with Qtz veining and fracture filling. Trace amounts of py disseminated throughout. Gradational upper contact.	carb	Wk	epi	Wk	carbonate infillingof fractures and assoc. with Qtz veining; Ep patchy	N	EPy	0.5					Disseminated trace euhedral pyrite	
LS20-360	116	117.9	SCH-i	SCH-tlg	Light grey intermediate schist with Tig texture. Trace pyrite throughout. Trace galena in undulatory Qtz vein at 117.50 m.	ser	Str				N	Gn	0.5	EPy	0.5			3 mm bleb of galena in Qtz vein.	
LS20-360	117.9	124.97	SCH-f		Light green felsic schist with minor Qtz veining and trace euhedral py.	ser	Str				N	EPy	0.5					Disseminated trace euhedral pyrite	

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
LS20-361	1.52	10.67	SCH-i		Mostly regolith clay and sand derived from Sch-i. Alternately rusty and puggy, shows intense or long lasting weathering.						N								
LS20-361	10.67	12.19	SCH-f		Mostly regolith clays and sand derived from Sch-f, becoming less weathered down hole.						N								
LS20-361	12.19	17.63	SCH-f		Nice pale green sch-f, but weathered and hairline fractured, with clays along fractures. Fractures continue to lower contact-, with unit still quite soft.						N								
LS20-361	17.63	20	SCH-i		Narrow screen of sch-i, black and grey, fairly well organized banding at 3mm scale.						N								
LS20-361	20	58.33	SCH-f		Typical FWF with scalloped quartz sweats. From 41 to 48 unit is extremely silicified, with nice feathery sericite in silica, and silica as both floods and internal bands. Hemattic between 43 and 43.5 and again at 49 and 51.a						N								
LS20-361	58.33	68.9	SCH-f	SCH-tig	Nice waxy looking tig texture with abundant little chlorite wiggles.						N								
LS20-361	68.9	86.4	SCH-i	SCH-tec	Looks like full penetration of FWF into good sch-i-tec. Lots of crenulation cleavage and s-fabric between cleavages at76m to 80m.						N								
LS20-361	86.4	87	SCH-i	SCH-tig	Narrow zone of waxy tig,with very coarse sericite.						N								
LS20-361	87	91	SCH-i	SCH-tec	as abov						N								
LS20-361	91	92.53	SCH-i	SCH-tig	as above						N								
LS20-361	92.53	96.85	SCH-i								N								
LS20-361	96.85	97.3	SCH-i	SCH-tig							N								
LS20-361	97.3	98.9	SCH-i								N								
LS20-361	98.9	99.29	SCH-i	SCH-tig							N								
LS20-362	3.05	31	SCH-i	SCH-lam-nu	med grey; strongly sericite altered; abundant cube-shaped rusty pits, likely weathered out epy approx 1-2mm; poor recovery until 13m when core becomes more competent downhole; Fe- and Mn-ox on fracture surfaces; minor patchy limonite alteration; entire interval is non-uniformly laminated; foliations are irregular for entire interval; 5.79 mag anomaly at 24.0m; silicified zone from 23.85m to 25.7m which envelops a Qv (Qv looks like a sweat); patchy skeletal texture throughout interval; intermittent visible crenulations	sil	Str	lim	Wk	strong silicification from 23.85m to 25.7m; weak patchy limonite alteration throughout interval	N	EPy						trace epy; most py has been weathered out and only pits remain	
LS20-362	31	32	SCH-i	SCH-tig	small tig interval; crenulations that separate chlorite wisps; classic SCH-tig above the FWF; weak patchy limonite alteration	lim	Wk			weak patchy limonite alteration	N	EPy							trace fresh epy <1mm
LS20-362	32	47.24	SCH-f		green classic footwall felsic; strong foliations with occasional visible crenulations; competent core with minor core loss in fault (detailed in fault table)						N	EPy							trace fresh epy <1mm, some with rusted rims and fresh cores;
LS20-363	0.76	13.58	SCH-i		Light grey, oxidized intermediate schist. Fractured and friable core with FeO strongest on fractures. Trace pyrite; graded contact into laminated schist. Variable foliation from 50-80 degrees to core axis.	lim	Mod	ser	Mod		N	EPy	0.5						
LS20-363	13.58	22.15	SCH-i	SCH-lam	Light grey, finely laminated qtz-carb and chlorite texture with gradational lower contact. Moderate to strongly magnetic with fine grained scattered blebs of magnetite from 20.75 m to 21.25 m. Trace Py. Weak carbonate alteration within silica laminations of matrix and weak sericite alteration. Faint Tig texture at end of lithology.	carb	Wk	ser	Wk		N	Mag	0.5	EPy					Fine grained scattered blebs of magnetite.
LS20-363	22.15	22.95	SCH-f		Light grey to green felsic schist. Weakly foliated with 22 cm qtz-carb vein at lower contact with SCH-F Tig.	carb	Wk				N								
LS20-363	22.95	24.53	SCH-f	SCH-tig	Light grey, moderately foliated with Tig texture with qtz sweats. Tr Py. Weak carbonate alteration associated with foliated qtz.	carb	Wk				N	EPy	0.5						
LS20-363	24.53	28.96	SCH-i		Grey, well foliated, weakly carbonate altered intermediate schist. Trace fine grained euhedral pyrite. Gradational lower contact.	carb	Wk				N	EPy	0.5						
LS20-363	28.96	53.28	SCH-f		Light green to grey, well foliated felsic schist with weak carbonate alteration and trace Py. Minor Mn alteration observed on fracture surfaces. Increased silica at lower contact.	carb	Wk	mno	Wk		N	EPy	0.5						
LS20-363	53.28	56.12	SCH-i		Light grey, strongly foliated and silicified intermediate schist with weak carbonate alteration and trace Py. Fine clasts of chlorite.	carb	Wk	chl	Wk		N	EPy	0.5						
LS20-363	56.12	73.15	SCH-f		Light green, well foliated, felsic schist. Metamorphic qtz infilling Qtz-Chl-Py veining at 63.67-64.05m with 3 cm wide euhedral Py. Weak carbonate alteration associated with qtz foliated stringers and veinlets.	carb	Wk				N	EPy	0.5						Coarse euhedral Py @ 63.67-64.05m with qtz-chl-carb.
LS20-364	3.68	15.24	SCH-i	SCH-ptm	Quite weathered pytygmatic unit, becoming more intensely deformed down hole. No real foliation as primary fabric is likely crenulation.						N								
LS20-364	15.24	34	SCH-i	SCH-tec	Continuation of above unit, just more deformed.						N								
LS20-364	34	44	SCH-i	SCH-ssb	Siliceous unit, with 2% to 5% locally, py and sp. Contains dark black chlorite spots for top 2.5m, then becomes cream coloured, with dark healed fractures. Vague laminations at about 50 degrees to CA. Occupies similar position to silicified zone with fuchsite further west in the main zone, but this is less sericitic and has no fuchsite. Sulphides occur as patches, specks aligned along vague foliation and also along healed fractures. Below 40m, unit becomes more chaotic, xwith frequent crenulations and more sericite.						N								
LS20-364	44	47.24	SCH-i	SCH-tec	Finer grained and darker than above.						N								
LS20-364	47.24	48.77	SCH-i	SCH-tig	Small interval of well defined tig texture at contact with Sch-f						N								
LS20-364	48.77	51.82	SCH-f		Good classic Sch-f						N								
LS20-365	1	6.4	SCH-i	SCH-tig	light grey, classic tig texture visible in the pieces of core that have not been destroyed by faulting, strongly sericite altered, patchy limonite alteration, epy grains have been rusted out, this unit was likely the bottom contact of a sch-f unit nearby	lim	Mod	ser	Str	strong pervasive sericite, moderate patchy limonite	N								
LS20-365	6.4	23.5	SCH-i	SCH-ptm	med to dark grey with pytygmatically folded qtz, patchy oxidation, intermittently visible crenulation planes, intermittent tec texture, 0.5% rusted epy, minor patchy faulting	lim	Mod	ser	Str	strong pervasive sericite, moderate patchy limonite	N								
LS20-365	23.5	27.9	SCH-i	SCH-tec	more faulted than previous interval, very strongly sericite altered, both upper and lower contacts are strongly faulted, very gougey.	lim	Str	ser	Str	very strong limonite and sericite	N								
LS20-365	27.9	45.7	SCH-i		light to med grey becoming darker down hole, strong patchy carb alteration, strong patchy epidote alteration, very strongly foliated with undulatory foliations but not ptm folds, patches of very strong limonite alteration, foliations become more uniform and lmonated downhole grading into lam texture below, 0.5% epy fine grained	carb	Mod	epl	Str	strong patchy both carb and epidote alteration	N	Py	0.5					0.5% fresh epy v fine grained following foliations	
LS20-365	45.7	47	SCH-i	SCH-lam	med grey, nicely uniform laminations, strong mag anomaly at 46m of 4.93, reading within 20cm of xcut qv, minor crenulations visible, minor patchy carb alteration, visible magnetite crystals 1mm	carb	Mod			moderate patchy carb	N	Mag	0.5						many visible mag crystals, approx 0.5%
LS20-365	47	55	SCH-i		light grey, crenulated, patchy limonite alteration, galena at 51.49m and 51.76 in qtz sweat, strong sericite alteration, crenulated, patchy strong carb alteration	carb	Str	lim	Wk	patchy weak limonite and patchy strong carb	N	Py	0.1						fresh epy fine grained

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
LS20-365	55	56	SCH-i	SCH-tig	light green grey transitioning from intermediate to felsic, strongly crenulated, patchy weak carb alteration, very little fresh epy	carb	Wk			patchy weak carb	N								
LS20-365	56	65.53	SCH-f		classic green fwf, nicely foliated and occasionally crenulated, moderate patchy carb alteration	carb	Mod			moderate patchy carb	N								
LS20-366	3.05	17	SCH-i		Light grey/green, intermediate schist with abundant metamorphic quartz. Weakly foliated with varying orientation. Trace amounts of pyrite from 11.75 m to lower contact. Trace amounts of FeO on fractures; trace carbonate alteration.	carb	Wk				N	EPy	0.2					Trace Py.	
LS20-366	17	27	SCH-i	SCH-tec	Light green, tectonized, weakly faulted intermediate schist. Minor gouge 20.75 to 21.45 m. Deformed quartz clasts. Trace Py. Moderate FeO alteration.	Fe	Mod				N	EPy	0.2					Trace euhedral py	
LS20-366	27	31.71	SCH-i		Light green to grey intermediate schist with moderate to strong foliated texture, moderate FeO alteration, trace Py, and a gradational lower contact with laminated schist.	Fe	Mod				N	EPy	0.2					Trace euhedral py.	
LS20-366	31.71	37	SCH-i	SCH-lam	Light grey, finely laminated intermediate schist with moderate carbonate alteration. Trace Py up to 38 m. Wispy foliated texture. Trace FeO alteration.	carb	Mod	Fe	Wk	Carbonate alteration of qtz and infilling fractures. tr FeO alteration of qtz-carb.	N	EPy	1.5					Fine to medium grained pyrite disseminated in matrix.	2
LS20-366	37	43	SCH-i		Light grey intermediate schist. 1.5% disseminated Py. Weak to moderate carbonate alteration. Tr FeO alteration. 38 to 43 m with 2% Py disseminated in matrix. 2% foliaform qtz veins.	carb	Mod	Fe	Wk	Carbonate alteration of qtz. Tr FeO.	N	EPy	1.5					Fine to medium grained Py disseminated in matrix, largely with Qtz.	2
LS20-366	43	88	SCH-f		Light green, silicified, strongly foliated felsic schist. Trace Py. Weak carbonate alteration in qtz veins which are oriented along foliation. Gradational lower contact with Tig textured SCH-L.	carb	Wk				N	EPy	0.2					Trace Py in matrix and qtz veins	
LS20-366	88	93.5	SCH-i	SCH-tig	Light grey, silicified intermediate schist with Tig texture of chlorite clasts. Variable foliation orientations. Increase in carbonate alteration with increase in qtz content. Trace euhedral py in both qtz and schist fabric. Gradational upper and lower contacts. Foliaform qtz veins and qtz sweats.	carb	Str				N	EPy	0.2					Trace Py	
LS20-366	93.5	104.45	SCH-i		Light grey, silicified and carbonate altered intermediate schist with trace Py. Weakly foliated with variable foliation orientations. Pervasive carbonate alteration.	carb	Str				N	EPy	1					1% disseminated Py increasing downhole.	
LS20-366	104.45	107.55	SCH-i	SCH-tec	Grey, silicified and carbonate altered intermediate schist with tectonic texture in qtz veins and clasts. Disseminated euhedral Py (0.5%) with trace galena in qtz vein at 107.34-107.38 m. Qtz veining along foliation. Carbonate alteration with qtz veining and along fractures.	carb	Str				N	EPy	2	Gn	0.1			Disseminated fine grained euhedral Py throughout unit. Trace blebs of galena in 3-4cm tectonic vein near EOH.	2
LS20-367	2.9	7	SCH-i		med to dark grey with abundant strong limonite alteration; minor faulting with 0.65m lost (detailed in fault tab); strong but undulatory foliations; occasional visible crenulation planes;	lim	Str			strong pervasive limonite alteration	N	EPy	0.1					fresh epy <1mm	
LS20-367	7	9.3	SCH-i	SCH-tec	white and light grey qtz ductily deformed in dark chlorite and sericite matrix; minor ptm texture but mainly truncated qtz; minor limonite alteration; minor faulting detailed in fault table; strong Mn and Fe-oxides on fracture surfaces;	lim	Mod	mno	Str	moderate pervasive limonite alteration and strong mno on fracture surfaces	N	EPy	0.5					mainly rusted epy up to 4mm; some with fresh cores, some multigenerational	
LS20-367	9.3	18.4	SCH-i		med grey; weak patchy carb alteration; occasional crenulation planes visible, some with weakly developed S-C fabric; minor weak limonite staining; weak epidote at 13.7m	carb	Wk	epi	Wk	weak patchy carb alteration; weak patchy limonite staining; weak patchy epidote alteration	N	EPy	0.1					fresh epy <1mm	
LS20-367	18.4	28.2	SCH-i	SCH-tec	well developed tec texture with minor ptm intervals; qtz is truncated in a dark grey chlorite/sericite matrix; weak patchy carb alteration; minor limonite staining; interval is overall competent core; minor limonite staining;	carb	Wk	lim	Wk	weak patchy carb and limonite	N	EPy						trace fresh epy <1mm	
LS20-367	28.2	33.53	SCH-f		light green classic footwall felsic; faulted upper contact, weak patchy carb alteration; occasional qtz and feldspar porphyries 1-3mm; mno on fracture surfaces and in occasional dendritic mno emanating from within foliation planes; limonite staining on fracture surfaces	carb	Wk	lim	Mod	weak patchy carb alteration; feo/limonite on fracture surfaces; dendritic mno from within foliation planes	N	EPy						trace rusted epy <1mm	
LS20-368	1.5	17.43	SCH-f		Nice typical FWF rock, with chlorite rims around scalloped sweats. Much seems to be at low angle to CA, whether its actual foliation, or crenulation. Only merest traces of py and virtually devoid of carb.						N								
LS20-368	17.43	83.82	SCH-i	SCH-tec	Quite sericitic, and crenulated, with well defined light and dark broken, pulled apart bands. Much of the fabric looks sub parallel to near parallel to CA. From about 25m down, unit has a slight blue-green tint due likely to green chlorite?? Below 76m unit becomes darker, and both py content and magnetite content picks up, though most magnetite, up to 2.58 mag susc occurs in lower 2m of hole, below 82mm. unit is typical chaotic tec fabric.						N								
LS20-369	6	17.62	SCH-i		Texture is obscured by deep weathering and fracturing, as much of the unit is rubbly. Much of foliation is at low angle to CA. Unit is buff in colour, probably from weathering,, and has a high percentage of micas...probably sercite, altering to clay rich, greasy material. Lower contact marked by a clay zone.						N								
LS20-369	17.62	19.5	SCH-f		Classic FWF, with scalloped quartz sweats rimmed by chlorite, and somewhat tiggy at 18.3m. Both contacts are rubbled and considered to be structural.						N								
LS20-369	19.5	35	SCH-i	SCH-tec	Upper 5m in major fault zone, mainly ruble, clay and sand. Unit is heavily tectonized Sch-tec, with much crenulation cleavage, and coarse sercite. Most fabric is at low angle to CA. Small sliver of tig at 24.38, tangled up in the fault, with abundant quartz.						N								
LS20-369	35	37.5	SCH-i	SCH-tig	Little band of tig texture above faulted contact with sch-f						N								
LS20-369	37.5	64	SCH-f		Upper contact with tig is occupied by a 2cm qv just below a 2cm band of clay. This unit looks to be a more or less typical FWF, with foliations largely sub-parallel to CA. Unit is very blocky and broken, in large part due to the awkward angle of drilling...ie sub-parallel. Scalloped sweats Rimmed with chlorite are common,						N								
LS20-369	64	99.45	SCH-i	SCH-m	This is not a typical, easily classified sch-i, but rather a package of rocks that include some sch-i-tec, as well as a section from about 67m to 99m that is mainly fine grained, equigranular, dark, foliated, and contains white carb patches up to 4mm that probably represent old klondike aged intrusive sills? Between 69.5 and 76m there are a number of innocuous looking glassy quartz veins, some of which seem more to be sweats, but which contain rusted py and one of which at 75.24 has a good fleck of VG.						N								
LS20-369	99.45	105.65	SCH-f		Good sch-f, with a central zone of near tig texture. Upper contact is sharp and conformable apparently at 60 degrees. unit is mostly typical apple green, nice !						N								
LS20-369	105.65	106.27	SCH-f	SCH-tig	little tig texture zone at contact.						N								
LS20-369	106.27	114.27	SCH-i	SCH-tec	Good sch-i-tec, especially dark grey and pale grey looking, with a brecciated appearance, from completely dismembered banding. Crenulation cleavage is strong, and near parallel to CA. Coarse, silvery sercite is prominent throughout. Lower contact is very sharp and shear plane has 2mm blue clay on it at 31 degrees to CA.						N								
LS20-369	114.27	116.41	SCH-f		Thin screen of very te tonized, fractured and clay rich sch-f....typical pale green and unmistakable.						N								
LS20-369	116.41	118.8	SCH-f	SCH-tig	Little bit of tig texture below felsic screen.						N								
LS20-369	118.8	147.83	SCH-i	SCH-tec	Unremarkable light and dark grey sch-i-tec, with coarse silvery sercite, and much crenulation...rather than foliation.						N								
LS20-370	1.33	42.25	SCH-i	SCH-tec	Intensely weathered sch-i, with dark brown rusty weathering extending to depth...many fractures running down the core axis. Deep fractures are clay filled, whilst closer to surface they have iron and Mg oxides. Throughout most of this interval, there is a strong impression of the main fabric being sub-parallel to parallel to the CA. Main fabric is likely crenulation cleavage. Where texture is discernable, it varies from tec to ptm. In general this unit where it isnt heavily weathered appears to be a little darker, amd may have incorporated some mafic Klondike aged sills or dykes....also evidenced by the typical increase in carb.						N								
LS20-370	42.25	43	SCH-f		Narrow screen of sch-f, greenish, with pale porphs.						N								
LS20-370	43	43.3	SCH-m		Old Dyke, Klondike age...heavily broken						N								
LS20-370	43.3	43.6	QV		Qv at contact between rubbled Klondike dike and tig unit below.						N								
LS20-370	43.6	66.3	SCH-f	SCH-tig	This unit looks mainly like a felsic composition, but has greyer portions, perhaps sch-i. Most has typical waxy look with small sercite and chlorite wiggles up to .75cm. Dark chlorite spots become more abundant below 57m. The intense weathering continues with sections from 54.86 to 57.91 and 59.44 to 66.4 essentially disintegrated in place and reduced to clays.						N								
LS20-370	66.3	66.43	MDYK		Narrow, black, shattered dyke interval						N								
LS20-370	66.43	67	SCH-f		typical						N								
LS20-370	67	67.1	MDYK		as above						N								
LS20-370	67.1	68.13	SCH-f		typical						N								
LS20-370	68.13	68.26	MDYK		as above						N								
LS20-370	68.26	84.55	SCH-f		typical FWF looking sch-f						N								
LS20-370	84.55	86.53	MDYK		Thicker than above units and with plag porphs and small black ones to...perhaps pyroxenes, given near 90 degree crystal faces. Upper contact is sharp at 42 degrees, with abundant py in fractures and blebs. Py locally up to 10 %. Often fractures are calcite filled.						N								
LS20-370	86.53	87.1	SCH-f		Thin screen of Sch-f						N								
LS20-370	87.1	89.1	MDYK		As above						N								
LS20-370	89.1	99.06	SCH-f		Typical assortment of Sch-f textures...FWF.						N								
LS20-371	1	15.2	SCH-i	SCH-tec	med to dark grey; classic tec texture with truncated, light coloured qtz within a chlorite and sericite matrix; faulting throughout interval detailed in fault tab; strong pervasive limonite alteration throughout; abundant fracturing down core axis; gradational lower contact into SCH-lam below	lim	Str			strong pervasive limonite alteration	N	EPy	0.3					0.25% fresh epy <1mm	
LS20-371	15.2	25	SCH-i	SCH-lam	med grey; abundant patchy moderate carb alteration throughout interval; lacks epi and mag alteration usually present in this interval; silicification from 21.56-22.39m; overall laminations weakly developed; 0.5% fresh epy <1mm	carb	Mod			abundant moderate carb alteration	N	EPy	0.5					0.5% fresh epy <1mm	
LS20-371	25	37.6	SCH-i		med to light grey; occasional intervals of weak SCH-lam and weak SCH-tig textures but not large or fully developed; increasing carb alteration downhole, mainly concentrated at 31.5-36.9m; fuchsite grain at 31.26m and fuchsite band at 35.35m; multiple QVs in interval, outlined in vein table;	carb	Mod			abundnat patchy carb alteration	N	EPy	0.5					0.5% fresh epy, some multigenerational, up to 2mm;	
LS20-371	37.6	39.4	SCH-i	SCH-tig	classic tig texture proximal to the SCH-f contact; strong sericite alteration, chlorite grains pulled into wisps by crenulations; not as strongly developed as usual;	ser	Str			strong pervasive sericite alteration	N	EPy	0.1					0.1% fresh epy, some multigenerational, up to 2mm	

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	% FeI Qtz
LS20-371	39.4	51.82	SCH-f		classic green footwall felsic; entire interval is faulted (outlined in faults tab); strongly foliated; occasional carb veinlets oriented shallow to core axis; trace rusted epy <1mm						N	EPy						trace rusted epy <1mm	
LS20-372	1.52	19.45	SCH-i		Fractured and silicified intermediate schist. Weak FeO. Poor recovery in upper 10m. Gradual lithological change at lower contact.	Fe	Wk				N	APy	0.1					Py associated with minor amount of qtz veining.	
LS20-372	19.45	26.26	SCH-f		Light to medium green felsic schist with weak foliation. Minor faulting with strong Mn alteration in gouge.	mno	Str				N								
LS20-372	26.26	61.66	SCH-i		Light to medium grey, intermediate schist with minor faulting with associated MnO alteration and FeO alteration	Fe	Mod	mno	Wk	MnO and FeO associated with faulting.	N								
LS20-372	61.66	66	MDVK		Dark green, carbonate altered mafic dyke with undulatory carbonate stringers/foliation.						N								
LS20-372	66	94.49	SCH-i		Light to medium grey, intermediate schist with minor faulting with associated MnO alteration and FeO alteration. Moderate amount of foliaform qtz.	sil	Mod	fuch	Wk	Metamorphic qtz veining and foliation. trace fuchsite at bottom of hole.	N	EPy	1					Disseminated Py in matrix and in foliaform veins.	10
LS20-373	3	10.36	SCH-i		Light green and FeO altered intermediate schist with strong foliated texture. Cross cutting veins at 4.40 m and 8.41 m. Visible gold within a cross cutting g vein from 8.41 - 8.46 m. Vein is oblique to foliation. Gold is <1mm in length and is found within the middle of the qtz vein. Host rock shows moderate to strong FeO alteration along foliation contacts between schist and qtz.	Fe	Mod			FeO alteration stronges along foliation contacts between qtz and schist and along fractures.	Y								
LS20-373	10.36	22.3	SCH-i	SCH-lam	Light grey laminated schist with spotted chlorite and patchy, foliated bands of fine grained magnetite. Weak epidote alteration. Gradational lower contact. FeO alteration within fractures and along foliation edges.	chl	Mod	epl	Wk	Spotted chlorite from 10.36 - 13 m. FeO in from 14 - 22.30 m. Epidote patchy but more prevalent in spotted chlorite zone.	N	Mag	1					Disseminated magnetite from 10.36 - 12 m. Ban of fine grained, foliated magnetite from 11.10 - 11.19 m.	
LS20-373	22.3	27.12	SCH-i		Light green, FeO altered intermediate schist with variable foliation orientations. Cross cutting bull qtz vein at 24.65 m.	Fe	Mod				N								
LS20-373	27.12	29.28	SCH-i	SCH-lam	Light grey intermediate laminated schist with weak spotted chlorite alteration and weak FeO alteration at bottom of contact. Trace Py.	chl	Wk			Weak spotted chlorite alteration and FeO at bottom of unit.	N	EPy	0.2					Trace diss. Py.	
LS20-373	29.28	31.35	SCH-i		Light green to grey intermediate schist with moderate FeO alteration, foliaform qtz veining, and trace Py. FeO on fractures and margins of foliations.	Fe	Mod			FeO on fractures and foliation margins.	N	EPy	0.1					Trace Py	2
LS20-373	31.35	37.65	SCH-i	SCH-lam	Light grey intermediate laminated schist with moderate carbonate alteration and weak spotted chlorite alteration. Trace Py.	carb	Mod	chl	Wk	Carbonate associated with metamorphic qtz along foliation and fracture filling.	N	EPy	0.3					Trace disseminated fine grained Py.	
LS20-373	37.65	44.2	SCH-i		Light green to grey intermediate schist with moderate carbonate and FeO alteration, foliaform qtz veining, and trace Py. FeO on fractures and margins of foliations.	carb	Mod	Fe	Wk	carbonate associated with metamorphic qtz along foliations, veins, and fracture filling.	N	EPy	0.2					Trace diss. Py.	
LS20-373	44.2	51.26	SCH-i	SCH-lam	Light grey intermediate laminated schist with moderate carbonate alteration. 0.5% disseminated Py. Small patches of spotted chlorite alteration.	chl	Wk	carb	Mod	Spotted chl alteration	N	EPy	0.5						
LS20-373	51.26	53.3	SCH-i		Light green to grey intermediate schist with moderate carbonate and FeO alteration. FeO pervasive.	Fe	Str				N	APy							
LS20-373	53.3	58.58	SCH-i	SCH-lam	Light grey, silicified and laminated intermediate schist. Upper contact marked by reduction in FeO alteration and trace amounts of fuchsite alteration in laminated schist. 0.5% disseminated Py.	fuch	Wk			Foliated 2mm bands of fuchsite b/w53.34 - 54.35 m.	N	EPy	0.5					Disseminated fine grained Py.	
LS20-373	58.58	64.14	SCH-i		Light green to grey intermediate schist with moderate carbonate and FeO alteration. FeO pervasive.	Fe	Wk				N								
LS20-373	64.14	76.2	SCH-f		Light green, foliated felsic schist. Foliaform qtz stringers and veins.	alb	Wk	Fe	Wk		N	EPy	0.2					Trace amounts of Pyrite in veins.	
LS20-374	0.8	14	SCH-i		med grey with strong limonite alteration; faulting at top of interval; occasional crenulation planes present; intermittent intervals of tec texture but mainly the unit is lacks any specific textural patterns; 0.5% fresh epy up to 2mm; intermittent strong sericite alteration; strong Mn- and Fe oxides on fracture surfaces; strong but undulatory foliations	lim	Str	mno	Mod	strong pervasive limonite alteration; MnO and FeO on fracture surfaces	N	EPy	0.5					fresh epy up to 2mm	
LS20-374	14	21.3	SCH-i	SCH-tec	med to dark grey with strong limonite alteration; classic tec texture with light coloured qtz in dark chlorite and sericite matrix; 0.5% rusted epy <1mm; faulted lower contact.	lim	Str			strong pervasive limonite alteration	N	EPy	0.5					0.5% rusted epy up to 1mm	
LS20-374	21.3	25.8	SCH-i		med grey with moderate limonite alteration; occasional crenulation planes present; strong but undulatory foliations; 0.5% fresh epy up to 1mm; strong Mn- and Fe oxides on fracture surfaces; weak patchy carb alteration;	carb	Wk	lim	Mod	weak patchy carb alteration; moderate pervasive limonite alteration	N	EPy	0.5					0.5% rusted epy <1mm	
LS20-374	25.8	29	SCH-i	SCH-tec	med to dark grey with strong limonite alteration; classic tec texture with light coloured qtz in dark chlorite and sericite matrix; 0.5% rusted epy up to 2 mm; faulted lower and upper contacts; weak patchy carb alteration;	carb	Wk	lim	Str	weak patchy carb alteration; strong pervasive limonite alteration	N	EPy	0.5					0.5% rusted epy up to 2mm	
LS20-374	29	37	SCH-i	SCH-lam	med to dark grey; unit is very slightly magnetic but not visible mag crystals; overall lam texture is somewhat weak; interval contains epidote alteration throughout and patchy hematite alteration; multigenerational py up to 3mm; moderate patchy carb alteration; limonite staining on fracture surfaces;	epl	Mod	hem	Wk	patchy moderate epidote alteration and weak patchy hematite alteration; limonite alteration on fracture surfaces	N	EPy	1					1% fresh epy, some multigenerational; up to 3mm	
LS20-374	37	47.15	SCH-i		med grey; patchy weakly developed lam texture; moderate patchy carb alteration; strong but irregular foliations; 0.25% fresh epy <1mm	carb	Mod			moderate patchy carb alteration	N	EPy	0.3					0.25% fresh epy <1mm	
LS20-374	47.15	51.2	SCH-i	SCH-tlg	med green grey, longer than usual tig unit; classic tig texture above the FWF; crenulations pulling chlorite apart into wisps; minor carb veinlets approx 1mm wide; 0.25% fresh epy <1mm	carb	Mod			small carb veinlets <1mm	N	EPy	0.3					0.25% fresh epy <1mm	
LS20-374	51.2	62.48	SCH-f		classic green footwall felsic; strong, regular foliations; occasional crenulations planes visible; trace rusted epy <1mm; occasional qtz and feldspar porphyries 1-2mm; limonite staining on fracture surfaces	lim	Mod			limonite staining on fracture surfaces	N	EPy						trace rusted epy <1mm	
LS20-375	2.8	12	SCH-i		Light green to grey intermediate schist with moderate FeO alteration, weak sericite alteration, and trace pyrite. Lower contact marked by reduction in FeO and laminated texture.	Fe	Mod				N	EPy	0.1					Tr blebs of Py.	
LS20-375	12	16.64	SCH-i	SCH-lam	Light grey, intermediate laminated schist with patches of spotted chlorite. Metamorphic quartz veins along foliation (2-5cm) with selvaged bands of dark green chlorite with fine grained pyrite. Largely undulatory fabric of laminations.	carb	Wk	chl	Wk	Chlorite selvaged on qtz veins with Py. Spotted chl. Tr FeO .	N	EPy	0.5					Py within chl selvaged on veins.	
LS20-375	16.64	18	SCH-i		Light green to grey intermediate schist with moderate FeO alteration, weak sericite alteration, and trace pyrite. Lower contact marked by reduction in FeO and laminated texture.	Fe	Wk				N								
LS20-375	18	73.71	SCH-i	SCH-lam	Light grey, laminated intermediate schist with tr Py. Mostly undulatory foliation. Intermittent matches of spotted chlorite. Increased silica and strong carbonate alteration between 41 and 46 m with partially destroyed laminated and spotted chlorite texture (60% silica). Cross cutting bull qtz vein @ 42.18 m. Carbonate alteration in unit varies based on silica content. VG @ 61.45 m within chl+mag+carb selvaged on outer edge of 2cm qtz vein. 2 small mm scale flecks of smeared VG. Disseminated py throughout (1%). Epidote alteration from 41.75 m to 65 m. Disseminated Mt at 64.50 m associated with spotted chl.	carb	Str	epl	Mod	Carbonate associate with degree of silica alteration. Epidote in small blebs associated with chl. Trace fuchsite at 35.25 m.	Y	EPy	1	Mag	0.2	Chl	5	Pyrite disseminated throughout with trace of wispy fine grained bands along foliation. Magnetite associated with gold and chlorite in selvaged band outside 2cm qtz vein. Magnetite also spotted coinciding with chlorite @ 64.75 m.	
LS20-375	73.71	100.58	SCH-f		Light green, fractured with minor faulting at top contact. Weak Fe alteration.	Fe	Wk				N								
LS20-376	2.4	21.3	SCH-i		med grey; abundant strong carb alteration throughout interval; strong intermittent spotted chlorite texture visible; occasional crenulation planes; patchy strong pervasive oxidation; fold nose present at 10m; unit gradually grades into the weak lam-nu unit below; fresh epy, some multigenerational, up to 2mm, approx 1%	carb	Str	chl	Str	abundant strong carb alteration throughout interval; chlorite alteration as intermittent spotted chlorite texture	N	EPy	1					fresh epy, some multigenerational, up to 2mm; 1%	
LS20-376	21.3	27.1	SCH-i	SCH-lam-nu	med grey; weakly developed SCH-lam-nu with mag highs up to 5.25 at 24m; spotted chlorite increasing downhole within the interval; abundant strong carb throughout interval; no visible magnetite crystals; 1% fresh epy <1mm, follows foliation	carb	Str	chl	Str	spotted chlorite increasing downhole within the interval; abundant strong carb throughout interval;	N	EPy	1					fresh epy <1mm, follows foliation	
LS20-376	27.1	53.34	SCH-i		med to dark grey; increasing carbonate alteration downhole; large spotted chlorite interval from 37.3 - 40.1m; epidote visible at 39.95m; fuchsite at 50.4-53m; strong hematite alteration at 52.9-53.34m (eoh); two xcut QVs in interval both detailed in vein table, one very large from 31.61-32.61m; fresh epy 2%; occasionally exists in bands following foliation; py is multigenerational, up to 3mm;	carb	Str	chl	Str	increasing carbonate alteration downhole; large spotted chlorite interval from 37.3 - 40.1m; epidote visible at 39.95m; fuchsite at 50.4-53m; strong hematite alteration at 52.9-53.34m (eoh);	N	EPy	2					fresh epy 2%, occasionally exists in bands following foliation; py is multigenerational, up to 3mm;	
LS20-377	0	1.52	OVB		One large 17cm qtz boulder.						N								
LS20-377	1.52	7	SCH-i		Intensely weathered sch-i, yellowish/greenish in co our.						N								
LS20-377	7	18.29	SCH-i	SCH-lam-nu	Unit presents as a green/cream laminated unit becoming more laminated and uniform down hole. Contains abundant carb as pervasive, and disseminated py. Crenulations are common but S2 is preserved between crenulation cleavage planes. This unit gently transitions into a Sch-i-lam around 18m						N								
LS20-377	18.29	56	SCH-i	SCH-lam	Similar to the above unit but more uniform, with abundant pervasive carb and 1% py. From about 36 to 51m magnetite is prominent, as near circular blobs up to 2mm, but mostly smaller. Not sure what it is replacing...perhaps chlorite or py, as most py is anhedral. Mag susc readings up to 1.95. Magnetite and py occur together. Around 55 to eoh, the core has a reddish hue...probably hematite. Below the lower gradational contact, rock loses much of its uniform nature, and becomes wavier laminated, with lots of local folding.						N								
LS20-377	56	82.3	SCH-i		Unit retains nice cream/green appearance, but less laminated, wavier, and with somewhat more pyrite. Below 58m, rock picks up a weak emerald green wash, culminating in narrow bands and seams of fuchsite. Prominent fuchsite at 63.5 to 65m, 61.5, 77.6 to 77.72, 78.3, 79.7, 80.1 Silicification, appearing as paler grey, waxy zones with feathery sericite occurs and is tabulated in alteration table.						N								
LS20-377	82.3	83.8	SCH-i	SCH-tlg	Nice narrow waxy siliceous and serectitic zone, with good chlorite wiggles along remnant foliation planes.						N								
LS20-377	83.8	88.33	SCH-f		Sliver of good FWF, but it looks like hole shut down too quick to catch main contact which should be close.						N								
LS20-377	88.33	91.44	SCH-i	SCH-sst	Narrow band of silicified sch-i, wwith abundant, 2-3% py along foliation planes.						N								
LS20-378	4.25	59.44	SCH-f		entire hole is classic green fwf, very strongly foliated, though foliations are commonly undulatory, with occasional crenulation planes visible. aside from crenulation very little textural changes are evident that span greater than 30cm; extremely strong siliceous alteration at 57.77-59.23 - possibly indicative of the southern-most contact? Dendritic and amorphous manganese intermittently present throughout entire interval. Fe oxides present on fracture surfaces. Trace fresh epy <1mm. much of the pyrite appears to be in swarpts.	mno	Wk	lim	Wk	weak limonite and mno alteration. limonite concentrated on fracture surfaces, mno intermittently present as dendritic and amorphous	N	EPy						trace fresh epy <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	% FoI Qtz
LS20-379	2.6	17.5	SCH-i	SCH-tec	typical tec texture with ductile-deformed and pulled apart qtz; strong pervasive limonite alteration throughout interval; 0.5% fresh multigenerational epy up to 2mm;	lim	Str			strong pervasive limonite alteration throughout interval	N	EPy	0.5					multigenerational fresh epy up to 2mm	
LS20-379	17.5	22.6	SCH-i	SCH-lam-nu	med grey; non-uniformly laminated unit with intermittent zones of no laminations at all; intermittent spotted chlorite texture present; mag high of 1.38 at 22m; occasional crenulation planes visible; moderate patchy carb alteration;	carb	Mod	chl	Mod	moderate patchy carb alteration; moderate chlorite alteration in the form of spotted chlorite texture	N	EPy	0.5					fresh epy <1mm	
LS20-379	22.6	27.8	SCH-i		med grey; very weakly laminated but not enough to label lam or lam-nu texture; abundant spotted chlorite texture and leopard texture; very strong UST alteration throughout interval; one QV outlined in vein table; strong carbonate alteration; occasional crenulation planes visible	list	Str	carb	Str	abundant UST; spotted chlorite, leopard texture and carbonate	N	EPy	1					1% fresh epy up to 2mm	
LS20-379	27.8	36.3	SCH-i	SCH-lam	med grey; very well developed SCH-lam; very high mag anomalies ranging from 0.326-4.62 from 32-36m; cubic magnetite crystals up to 2mm; moderate patchy carb alteration; minor epidote alteration; 1% fresh epy <1mm;	carb	Mod	epi	Wk	weak patchy epidote and moderate patchy carb alteration	N	EPy	1	Mag	1			1% fresh epy <1mm; cubic magnetite crystals up to 2mm;	
LS20-379	36.3	47.4	SCH-i		med grey with intermittent SCH-lam texture, though mainly a "textureless" unit; UST assemblage at 38.9-39.3; lighter grey downhole; moderate patchy carb alteration	list	Mod	carb	Mod	moderate patchy carb alteration; UST alteration from 38.9-39.3m	N	EPy	1					1% fresh epy <1mm	
LS20-379	47.4	50.1	SCH-i	SCH-tig	classic tig texture above FWF; diffuse bottom contact; weak patchy carb alteration; chlorite pulled apart into wisps by crenulations	carb	Wk			weak patchy carb alteration;	N	EPy						trace rusted epy <1mm	
LS20-379	50.1	64.01	SCH-f		classic green footwall felsic; strongly foliated; occasional crenulations planes visible; intermittent quartz and feldspar porphyries up to 3mm; occasional carb veinlets running shallow to core axis	carb	Wk			carb veinlets shallow to core axis	N	EPy						trace rusted epy <1mm	
LS20-380	0.6	29.44	SCH-i		Light grey to green, intermediate schist with undulatory foliation. Strong FeO alteration up to 12.19m with rubble and gouge (moderate faulting). Patchy carbonate alteration. Trace epidote alteration beginning at 22.25m. Intermittent cross cutting veins with trace galena and coarse euhedral pyrite. Strong foliation from 12.75m downhole.	Fe	Mod	carb	Wk	Strong Feo alteration up to 12.19m. Carbonate beginning,	N	EPy	0.2	Gn	0.1			Py and Gn blebs in cross cutting veins.	
LS20-380	29.44	33.1	SCH-i	SCH-lam	Intermediate laminated schist with undulatory foliation. Qtz sweats and stringers. Moderate carbonate alteration associated with foliated qtz. Vugs of euhedral pyrite in foliated qtz vein at 32.40m.	carb	Mod			Carbonate associated with metamorphic qtz.	N	EPy	0.2					Py associated with foliated qtz veins and selvaged on edges of foliated qtz in matrix.	2
LS20-380	33.1	93.5	SCH-i		Intermediate schist with strong foliation texture. Intermittent carbonate alteration related to qtz veins and foliated qtz. Qtz vein from 41.72m - 42.75 with visible gold at 42.03m. No associated carbonate or alteration in gold bearing vein. Trace amounts of epidote alteration and FeO.	carb	Mod	epi	Wk	Carbonate alteration intensity is patchy. Weak to moderate epidote alteration and patchy. Fuchsite from 66.25-74.50m associated with listwanite alteration.	Y	EPy	1	Gn	0.1			Disseminate Py in matrix and trace amounts in veins. 89.92-91.28m has silica-sulphide banding (3% Py). Trace galena at 82.90	
LS20-380	93.5	112.78	SCH-f		Felsic schist with barren qtz veins. Trace Py and FeO alteration	Fe	Wk				N	EPy	0.2	Gn	0.1			Trace Py in veins and matrix. Gn in vein at 105.10m.	
LS20-381	1.52	4.24	SCH-i	SCH-tec	Rusty brownish Sch i, well tectonized, with very coarse sericitic.						N								
LS20-381	4.24	10.67	SCH-i	SCH-tig	Somewhat silicified, waxy looking tig textured sch i. Rusty colour is decreased somewhat from above unit, but is prominent along fractures. Unit has nice tiger stripes with very dark dark bands and light grey light bands, and rusty colouration coming in on fractures.						N								
LS20-381	10.67	18	SCH-i	SCH-tec	Unit gradually loses chaotic appearance becoming more organized and quite laminar banded....on its way to a sch-i-lam. Frequent qtz veins between 16.7 and 26m....look like cross cutters.						N								
LS20-381	18	73.8	SCH-i	SCH-lam-nu	Weakly laminated, in a non-uniform way, and quite dark with variable textures. There is some spotted chlorite and leopard textured zones, with spotty magnetite around 41 to 48 and abundant epidote between 43 and 50m. Carb is abundant as is pyrite. Fuchsite is rare, but does occur as a few emerald green flakes at 61.6 and 66.4.						N								
LS20-381	73.8	109.9	SCH-i	SCH-sb	Very siliceous, laminated, unit, especially down to 91.44. Below this unit reverts to a Variably spotted/ wavy laminated sch i. Good leopard texture, spotted chlorite at 94 to 95, and a few specks fuchsite at 94.8m.						N								
LS20-381	109.9	115.82	SCH-f		FWF unit, with abundant sweats near contact. Oddly, there is no tig at contact. Major fault from 114.3 to eoh at 115.82						N								
LS20-382	0.8	19.65	SCH-i		Medium green to grey intermediate schist. Minor faulting. Weak FeO and sericite alteration. Lower contact marked by carbonate alteration and coour change with mafic dyke.	Fe	Wk	ser	Wk	Weak ser and Fe.	N								
LS20-382	19.65	21.25	SCH-m		Dark green mafic dyke with strong carbonate alteration. Undulatory carboante stringers and moderately foliated.	carb	Str	Fe	Wk	Pervasive carbonate.	N								
LS20-382	21.25	40.75	SCH-i		Medium grey to green intermediate schist with minor faulting. Weak to moderate carbonate alteration associated with metamorphic qtz and fracture filling. Weak FeO alteration. Lower contact marked by minor faulting.	carb	Mod	Fe	Wk	Qtz associated and fracture filling carbonate.	N								
LS20-382	40.75	42.67	SCH-f		Light green, faulted felsic schist. 10% gouge, 90% rubble. Moderate FeO alteration.	Fe	Mod			faulted and oxidized	N								
LS20-382	42.67	55	SCH-i		Medium green to grey intermediate schist with metamorphic qtz stringers and sweats. Moderately faulted at top and bottom contact with felsic schist slivers. Weak carbonate alteration. Weak FeO alteration.	carb	Wk				N								
LS20-382	55	57.91	SCH-f	SCH-tig	Light green felsic schist with TIG texture of chlorite and metamorphic quartz veining. Weakly faulted at top of contact.	sil	Wk				N								
LS20-382	57.91	71.5	SCH-i	SCH-tec	Light grey, tectonically altered intermediate schist with strong silica alteration.	sil	Str			metamorphic qtz.	N	EPy	0.2					Disseminated fine grained Py.	5
LS20-382	71.5	121.92	SCH-i		Light grey to green intermediate schist with 0.5% disseminated Py. Patchy fuchsite alteration. carbonate alteration associated with qtz veining and fracture filling. Porphyroblasts of rhodochrosite. up to 97m.	carb	Mod	fuch	Wk	Patchy fuchsite. rhodochrosite alteration.	N	EPy	0.5					Disseminated Py throughout.	
LS20-383	1.52	4	SCH-i	SCH-tig	Weathered sch i, with very coarse sericite and soft lustrous weatherwd product.						N								
LS20-383	4	6.7	SCH-f		Sharp contact with above unit, at low angle to CA. This felsic unit is very siliceous, grey in colour except for one narrow pale typical green band, and shows the feathery sericite strings in a silica matrix.						N								
LS20-383	6.7	39.3	SCH-i		This sch i interval is a little unusual, with a faint bluish green wash, and is very siliceous with sporadic brown carb spots. There are a number of narrow quartz veins, one of which has a speck of vg at 36.58. With respect to organization, it is between a tec and a ptm, though it is masked by the degree of silicification.						N								
LS20-383	39.3	42	SCH-f		Nice banded green typical sch f.						N								
LS20-383	42	43.15	SCH-i	SCH-tig	Nice band of typical tig.						N								
LS20-383	43.15	72.4	SCH-i		Somewhat darker schist i with vague spotted texture, from chlorite. Magnetite contwint is elevated between 50 and 55 with mag susc up to 3.78, and distinct grey magnetite crystals. Unit gradually becomes more organized with clear dark grey and light grey laminations, low in this zone and transitioning to tec below.						N								
LS20-383	72.4	76.4	SCH-i	SCH-tec	med grey, typical tec unit with qtz truncated in sericite and chlorite matrix, abundant strong patchy carb alteration, minor crenulation planes visible, occasional multigenerational epy clots up to 4mm, possible small sections of	carb	Str			abundant strong patchy carb alteration	N								
LS20-383	76.4	88.4	SCH-i		Very siliceous grey to buff, equigranular rock, with pinkish hematite blush from 77.5 to 80, and foliations at low angles to CA from 80 to lower contact.						N								
LS20-383	88.4	91	SCH-f		classic green fwf, strongly foliated with minor crenulation planes visible, minor feldspar porphyries, trace rusted epy <1mm						N	EPy						trace rusted epy <1mm	
LS20-383	91	115.82	SCH-i	SCH-tec	Typical dark grey and light grey chaotic tec, with perhaps 1%py and pervasive carb.						N								
LS20-383	115.82	124.97	SCH-i	SCH-lam-nu	Becomes more organized, with finer bands, but composition remains py and carb rich.						N								
LS20-384	1.52	108.3	SCH-i	SCH-tec	Heavily weathered sch i tec for first 30m or so, probably just fractured and rusty more than faulted. Unit is clearly strongly deformed, with several nice small scale folds obvious in core. Between 23.4 and 25, there may be a sliver of sch f, but rock is too weathered to be certain. Below 30m rock becomes less rusty and is more clearly a sch i deformed between ptm and tec. Epidote is very common, and more abundant than any other hole in the program thus far in 2020. Dark bands are also darker than usual and may represent a significant component of mafic dykes of Klondike age. Pyrite is variable but normally ubiquitous at less than 1 percent, as is carbonate. In general there is a trend towards becoming more mafic down hole.	sil	Mod				N								
LS20-384	108.3	115.6	SCH-m		Unit is generally a dark bluish green with same amount of qtz sweats as above unit, but is less pale/dark grey, and mmore blue-green and strongly micaceous. Maybe a Klondike dyke or sill. Variable foliation throughout.	chl	Mod				N								
LS20-384	115.6	232.92	SCH-f	SCH-tig	Light to medium green, intermediate schist. Foliations variable throughout unit. Narrow band of tig at contact with sch-f below. Trace pyrite. 1cm bleb of galena at 224.90m. Trace carbonate in veins.	carb	Wk				N	APy	0.2	Gn	0.1			Tr blebs Py in matrix. 1cm bleb of galena with pyrite.	
LS20-385	1.42	87	SCH-i	SCH-yl	Light green silicified, sericite, and FeO altered intermediate schist. Cross cutting quartz veins with weak FeO alteration and trace euhedral pyrite. Strong MnO and FeO alreation on fracture surface. schist foliation widely variable/undulatory. Lower contact marked by presence of carbonate. Pyrite increases to 2% from 80-87m.	ser	Str	Fe	Mod	Strong sericite alteration. FeO and MnO strongest on fracture surfaces. FeO alteration in veins weak.	N	EPy	0.2					Euhedral pyrite in cross cutting quartz veins.	
LS20-385	87	138.66	SCH-i		Light grey intermediate schist with moderate to strong carbonate alteration. Mottled creamy white calcite and pink rhodochrosite. Calcite veining. Foliation variable throughout with undulatory texture. Trace amounts of fuchsite from 119-134m.	carb	Str	sil	Wk	rhodochrosite and calcite mottled in matrix. Some FeO alteration along fractures. Moderate sericite alteration. Trace fuchsite.	N	EPy	3					2-5% Disseminated pyrite throughout matrix and trace amounts in veins. Some sections with strong carbonate alteration with 5% pyrite disseminated.	
LS20-386	1.4	89	SCH-i		Light green, strongly sericite altered intermediate schist. Variable foliation orientations throughout. Metamorphic silica alteration. Trace amounts of pyrite and lesser amounts galena in veins. Transition into carbonate altered SCH-i gradual and marked by color change, reduction of sericite and increase in carbonate pyrite, and silica	ser	Str	sil	Mod	Strong sericite alteration throughout.	N	EPy	0.2	Gn	0.1			Trace pyrite in matrix and veins. Trace amount of galena blebs in vein at ~76.60m.	2
LS20-386	89	105.16	SCH-i		Grey carbonate altered intermediate schist. Carbonate pervasive but strongest in association with silica alteration and fracture surfaces. Low recovery from 97.54-100.6m. Bull qtz-crb veining. Moderate amounts of fuchsite. Foliation variable	carb	Str	sil	Mod	Carbonate pervasive and strongest with silica alteration and fracture surfaces.	N	EPy	2					Disseminated Py throughout	

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
LS20-387	0.7	80	SCH-i	SCH-yel	Sericite altered intermediate schist. Metaorphic quartz, strong FeO alteration. Trace Py.	ser	Str	Fe	Mod	Sericite alteration throughout, FeO throughout ost of unit.	N	EPy	0.1					Tr Py in matrix and veins	5
LS20-387	80	160.02	SCH-i		Carbonate altered intermediate schist. Moderate silica alteration. Foliation orientations destroyed by alteration. Patchy fuchsite alteration. Barite i zone from 84-92m. Epidote patchy from 100m to EOH. Chlorite present throughout. Disseminated Py throughout (~2%).	carb	Mod	epi	Mod	Carbonate patchy, EP patchy from 100m to EOH, fuchsite patchy. Silica alteration moderate.	N	EPy	2					Diss Py. 2% in matrix	3