

WHITE SPUR - SAMPLED DRILLHOLE: WSP 4					
Sample No.	Interval (m)	Size	Excl*	Ref Sample	Log
<b>HOST ROCKS: 344.05 - 348.8m Top contact marked by 70mm qtz-cb vein, with black shale unit above.</b>					
376937	346 - 347	¼ NQ	50mm	346.85m	VITRIC SILTSTONE. Minor xyl sst (feld) & chert. khaki-grey. Mod ser-sil-cb alt. 1% py-po dissem & in hairline fract. Minor sp. Minor qtz-cb+py veinlets to 1mm, a few hairline in sample.
<b>FOOTWALL: 348.8 - 400.3m EOH</b>					
376938	348.8 - 349.8	¼ NQ	100mm	348.8m	PUMICE BRECCIA. Greenish-grey, foliated, feld-phyric. Mod-strong sil-ser alt. 3 qtz-cb veinlets to 4mm (all excl), otherwise no veinlets. 1-2% dissem py. Common fine leucoxene.
376939	359 - 360	¼ NQ	50mm	359.4m	FELSIC LAVA? Dk grey, massive, unfol, uniform, hard, feld-phyric - felds 2mm, many euhedral. No pm evident. No veining. Strongly sil, mod ser. 1% dissem po
376940	370 - 371	½ NQ	220mm	370.2m	FELSIC VOLCANIC. Dk green-grey, unfol, feld-phyric, lava-like. Abund 1-3mm white felds. 5mm fi gr lithic. Strong sil, mod chl-cb alt. Qtz-cb±chl veinlets to 5mm, a few hairline in sample.
376941	380 - 381	½ NQ	260mm	380m	FELSIC VOLCANIC. As above: green-grey, lava-like. 2 pyritic lithics. Strong sil>cb-chl alt. Common cb or qtz-chl-cb veinlets to 5mm. 3 cb>qtz veinlets <1mm in sample. Minor py.
376942	389 - 390	¼ NQ	100mm	389.5m	FELSIC VOLCANIC. Dark pink-green, abund white & pink felds 1-3mm, massive, unfoliated, hard. No lithics or pumice evident. Strong sil-alb, mod chl, alt. No veining.
376943	399.3 - 400.3 EOH	½ NQ	150mm	399.55m	FELSIC VOLCANIC. Dk pinkish-green, hard, massive, unfol. Abund 2mm felds (matrix subord). No pm or lithics evident. Mod-strong sil>alb-chl alt. Minor qtz-chl-cb veinlets to 6mm - none in sample. Abund fine leucoxene. Trace py.

\* The amount of interval excluded from sample due to veining, oxidation, sulphides, contamination etc.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 5					
<b>Host Rocks: 285.5 - 308.8m</b>					
376901	291 - 292	¼ NQ	300mm	291.95m	VITRIC SANDY SILTSTONE. Pale greenish-brown. Glass, fine pm & xyls (feld>>qtz). Mod cb-ser alt (cb fe-type and ox brown). Common cb (fe-type) veinlets - some hairline incl.**
376902	299 - 300	¼ NQ	160mm	299.95m	FINE VOLCANICLASTIC SST. Greenish-brown. Fine pm & feld>>qtz grains. Mod ser-cb alt (cb fe-type ox brown). Cb(fe) veinlets - several (mostly hairline) in sample.
<b>Footwall: 308.8 - 385.5m (EOH) Silif top section has spidery net-veins &amp; bx-fill of brown oxidized fe-carbonate.</b>					
376903	310.7 - 311.7	¼ NQ	?	311.65m	PUMICE BRECCIA. Buff, feld-phyric, weakly fol. Mod-strong pervasive cb alt (fe-type, ox brown) & weak-mod ser. Several cb(fe) veinlets to 1mm (most hairline) in sample.
376904	319 - 320	¼ NQ	?	319.95m	PUMICE BRECCIA. Buff, feld-phyric, weakly fol. Mod-strong pervasive cb alt (fe-type, ox brown), patchy sil with minor py. 12 veinlets of brown cb(fe), mostly hairline, in sample.
376905	330 - 331	¼ NQ	70mm	330.95m	PUMICE BRECCIA. Brown/grey, weakly fol, feld-phyric (felds 2-3mm). Weak-mod sil-cb>ser-chl alt. Cb veinlets to 5mm (fe-type, ox brown) - 4 hairline types in sample.
376906	338 - 339	½ NQ	50mm	338.95m	PUMICE BRECCIA. Grey, feld-phyric (2mm), weak fol. Weak-mod chl-ser-sil alt. Fine leucox. 1% dissem py. No veining.
376907	350.3 - 351.3	½ NQ	50mm	351.25m	PUMICE BRECCIA. Grey, massive, feld-phyric, weak fol. Weak ser-chl-sil alt. No veining except 2 py stringers (excl).
376908	361.5 - 362.5	½ NQ	150mm	362.45m	PUMICE BRECCIA. Pale brown, massive, feld-phyric. Weak-mod cb(fe type)-ser>sil alt. 3x 1mm cb veinlets (excl).
376909	370 - 371	½ NQ	350mm	370.95m	FELSIC LAVA. Massive, feld-phyric, weak fol. Chalcedonic qtz amygdals to 15mm. Weak-mod sil-ser-cb alt. Regular 1-2mm cb veinlets (all excl) - 2 hairline types in sample.
376910	382.7 - 383.7	½ NQ	50mm	383.65m	FELSIC LAVA? Grey-green, feld-phyric, no amygdals. Weak-mod chl-sil>ser>cb alt. Several hairline veinlets of cb(fe) incl.

\*\* Incl = included in sample.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 6					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 365.7 - 383.8m</b>					
376911	366 - 367	¼ NQ	50mm	366.5m	SILTY CRYSTAL SST. Grey, 2% dissem py, siliceous. Grey/black shale partings. Mod-strong fol. Weak-mod sil-ser alt. Two <1mm qtz-cb veinlets - 1 in sample.
376912	373.6 - 374.6	¼ NQ	200mm	374.05m	CRYSTAL SST. Grey, uniform, mod fol, silic, qtz & feld xyls. Mod sil-ser alt, 1% py. 1-2mm qtz-cb veinlets, some <1mm incl.
<b>Footwall: 383.8 - 451.6m (EOH)</b>					
376913	383.9 - 384.9	¼ NQ	100mm	384.8m	PUMICE BRECCIA. Grey, feld-phyric, fol & bx, 1-2% py. Mod-strong sil-ser-ble alt. Qtz-cb & cb(fe) veining, 5 <1mm incl.
376914	394 - 395	¼ NQ	130mm	394.95m	PUMICE BRECCIA as above. Pale grey. Mod-strong sil-ser alt, with sil-cb in fol & bx matrix. Abund leucoxene, no py. Cb(fe) veinlets - excl. A few hairline qtz-cb veinlets in sample.
376915	405 - 406	¼ NQ	150mm	405.2m	PUMICE BRECCIA, as above but less alt. Greenish-grey, fol, abund 2-3mm felds. Abund leucoxene. Mod sil-ser>chl alt. Qtz-cb & brown cb(fe) veinlets - a few hairline of both in sample.
376916	413 - 414	½ NQ	250mm	413.95m	PUMICE BRECCIA as above but less fol. Mod sil-ser>chl alt. Qtz-cb-chl-py tension veins: a few hairline (no py) in sample.
376917	422.5 - 423.5	½ NQ	170mm	422.95m	PUMICE BRECCIA as above but abund hairline veinlets & bx-fill of brown ox cb(fe)-chl, part of zone 419-427m: sample is the least-veined. Minor through-going qtz or cb-chl veins (excl).
376918	433.7 - 434.7	½ NQ	200mm	434.1m	PUMICE BRECCIA. Red/green, feld-phyric, fol, finely bx. Weak-mod sil-alb-chl alt. Minor qtz-cb veining, few hairline in sample.
376919	445.3 - 446.3	½ NQ	70mm	445.45m	PUMICE BRECCIA. Feld-phyric. Weak chl>sil-alb-ser alt. Almost unveined: minor qtz-cb-chl <1mm veinlets - all excl.
WHITE SPUR - SAMPLED DRILLHOLE: WSP 7					
<b>Host Rocks: Missing. Major fault at 142.8 - 144.45m has black shale unit sitting directly on footwall sequence.</b>					
<b>Footwall: 142.8 - 598.9m (EOH)</b>					
377082	144.65 - 145.65	¼ HQ	60mm	145.6m	PUMICE BRECCIA. Khaki-grey, non-silic, abund felds, v strong fol. 3-5% dissem py. Weak-mod chl-ser-cb alt. No veining except 3 hairline cb(fe) veinlets (excl). Minor cb(fe) on fol (incl).
377083	154 - 155	¼ HQ	100mm	154.9m	PUMICE BRECCIA. Grey-green, feld-phyric, mod fol, 1 lithic. 1% dissem py. Common leucoxene. Weak-mod cb(fe-type) >chl-sil alt (sil in irreg network through rock). No veining.
377084	162 -163	¼ HQ	100mm	162.1m	FELSIC LAVA BRECCIA. Khaki-grey, unfol. Top 40cm lava with chalcedony amydales (incl), 2-3mm felds. Rest lava bx, with pm in silif matrix. Mod chl-sil alt, patchy sil-py (2%). Unveined.
377085	175 - 176	¼ HQ	500mm	175m	FELSIC LAVA? Grey, hard, massive, unfol, abund felds 2-3mm. Fine pm at 176m, poss 10mm lithics. Strong sil, weak chl alt, minor py. Many qtz-cb(fe) & chl veinlets, several <1mm incl.
377086	184 - 185	¼ HQ	150mm	184.25m	PUMICE BRECCIA. Dk greenish-grey, abund felds, unfol. Lava frags in fine pm bx matrix. Mod silif, weak chl alt. Minor py. 1-2mm cb(fe)-chl & qtz-cb veinlets: 1-2 hairline in sample.
377087	194.5 - 195.5	½ NQ	300mm	194.5m	PUMICE BRECCIA? Dk green, creamy silif patches. Abund 2mm felds, lava frags, small prob lithics. Weak fol. Weak-mod chl>alb alt. Thin cb(fe) veinlets, all excl. Fine leucoxene.
377088 Dupl: 377089	203 - 204	½ NQ	130mm	203.7m	PUMICE BRECCIA. Dk green, pale patches, weak fol, abund 2mm felds, visible pm, 15mm lithic. Weak-mod chl-sil>cb-alb alt, weak ox. <1mm cb(fe) veinlets - several hairline in sample.
377090	216 - 217	½ NQ	360mm	216.7m	FELSIC LAVA BRECCIA? Abund 1-2mm felds, 2 lithics, weak fol. Mod sil in diffuse netwk, weak-mod chl, trace alb alt. Many 1mm qtz-cb(fe) veinlets - several hairline in sample.
377091	224 - 225	½ NQ	280mm	224.05m	FELSIC LAVA & BRECCIA. Dk green & pink, 2mm pink felds. Top 50% bx, rest lava with qtz or alb amygdales. Mod chl-alb alt, patchy sil in bx. Qtz-chl & qtz-cb(fe) veinlets, few <1mm incl.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 7					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Footwall: (Continued)</b>					
377092	234 - 235	½ NQ	380mm	234.5m	FELSIC LAVA BRECCIA. Creamy green. Feld-phyric frags in matrix invaded by patchy vein-like qtz (most excl). Weak-mod chl-alb alt. Common qtz-cb±chl veinlets - some (hairline) incl.
377093	243.7 - 244.7	½ NQ	100mm	243.95m	BRECCIATED FELSIC LAVA. Grey-green, abund 1-2mm white felds. Bx text in places with silif matrix. Weak-mod chl>sil alt, trace alb. Minor py. Minor chl or qtz-cb veinlets - all excl.
377094	255.4 - 256.4	½ NQ	210mm	255.9m	FELSIC LAVA. Grey-green, abund felds 1-2mm, some qtz amygdales. Weak-mod sil-chl alt, trace alb. Small bx zones invaded by common qtz-cb veinlets (several to 1mm in sample).
377095	265.4 - 266.4	½ NQ	380mm	265.9m	FELSIC LAVA. Grey-green, abund pink or white felds 1-2mm, unfol, 1% dissem py. Weak-mod sil-chl alt, trace alb. Common qtz-cb(fe) veinlets - some minor types in sample.
377096	273.6 - 274.6	½ NQ	300mm	273.6m	FELSIC LAVA. Pinkish-green, massive, unfol, abund pink or white 1-2mm felds. Qtz amygdales at top. Weak sil-alb-ser-chl alt. Common qtz-chl veinlets - several <1mm in sample.
377097	284 - 285	½ NQ	400mm	284.7m	PUMICE BRECCIA. Grey-green, mod fol. Abund 1-2mm pink felds, fine pm. Weak-mod sil-chl-alb(+epi?) alt. Qtz & chl veinlets around 15cm lava frags top & base - a few hairline incl.
377098	294 - 295	½ NQ	280mm	294m	FELSIC LAVA. Grey-green, massive, abund 2mm felds white> pink. Mod sil-chl-alb alt. One patch of strong alb-sil-epi alt. Common qtz-chl or qtz-cb veinlets - a few hairline types incl.
377099 Dupl: 377100	305.5 - 306.5	½ NQ	120mm	305.05m	FELSIC LAVA. Green, silic, uniform, some flow -banding. 1-2mm pale pink felds. Mod chl-sil-alb alt. Qtz-cb & qtz-chl veinlets - several hairline of both types in sample.
377101	314 - 315	½ NQ	120mm	314.3m	FELSIC LAVA. Green, massive, v hard & silic, 1-3mm white felds, poss spherulites. Weak chl (+ser?) alt. Trace py. Irreg diffuse qtz-cb veinlets - all excl.
377102	323.4 - 324.4	½ NQ	160mm	323.7m	FELSIC LAVA. Dk pinkish-green, v hard, flow-banded, silic spherulites, pink felds to 3mm. Strong sil, weak-mod chl-alb (+epi) alt. Qtz veinlets - minor incl. Black Ti mineral grains.
377103	334 - 335	½ NQ	320mm	334.9m	FELSIC LAVA. Grey-green, bx in places, 1-2mm pink felds. Mod sil>chl-alb alt. Qtz-chl-cb(fe) veinlets, some hairline incl.
377104	345 - 346	½ NQ	200mm	345.4m	AMYGDALOIDAL FELSIC LAVA. Dk pink-green, massive, silic. Abund 2mm pink felds, qtz amygdales, prob spherulites. Mod-strong sil-alb-chl alt. Qtz-chl-cb(fe) veinlets - some hairline incl.
377105	354 - 355	½ NQ	430mm	354m	FELSIC LAVA. Dk pinkish-green, not as silic as above. Abund 2mm pinkish felds. Mod chl-alb-sil alt. V common qtz-cb veinlets - over 12 hairline types in sample.
377106	363 - 364	½ NQ	470mm	363.4m	AMYGDALOIDAL FELSIC LAVA. Red, hard, pink 1-2 mm felds, qtz amygdales (few mm) & hornblende laths. Intense sil-alb> chl alt. Dissem mag, trace py. Common reg qtz±chl & irreg chalcedony, veinlets - numerous <1mm veinlets in sample.
377107	374 - 375	½ NQ	210mm	374.1m	AMYGDALOIDAL FELSIC LAVA. Dk reddish-green, abund 2mm felds. Intense sil>alb>chl alt. Agate amygdales to 55 x 15mm & assoc chalcedony veinlets with red alb selvages. Qtz-cb veinlets. Minor of both vein types & some large qtz amys incl.
377108	384 - 385	½ NQ	130mm	384.3m	FELSIC LAVA. Khaki-green, silic, 1-2mm white & pink felds. Largely lava: fine pm top 20cm & 20mm lithic at base. Strong sil mod chl>alb alt. Thin qtz-chl & qtz-cb veinlets, few hairline incl.
377109	394 - 395	½ NQ	230mm	394.65m	FELSIC LAVA. Khaki-green, massive, abund 2mm white & pink felds, poss qtz xyls. Basal 30cm bx. Mod chl>sil-alb-epi alt. Qtz-cb±chl veinlets - some hairline incl. Minor Feox off trays.
377110	402.85 - 403.85	½ NQ	220mm	402.85m	FELSIC LAVA. Pale green, hard, massive, abund 2mm white> pink felds, minor 1-2mm qtz xyls. Weak-mod chl-ser>sil alt, trace alb. Qtz-cb-chl veinlets to 5mm, all excluded from sample.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 7					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Footwall: (Continued)</b>					
377111	414 - 415	½ NQ	120mm	414.2m	PUMICE BRECCIA. Dk khaki, hard, unfol, fine pm & few chloritic lithics to 10mm. Unevenly-distrib 1-2mm pink & white felds. Minor qtz-cb veinlets to 3mm - 2 hairline incl. Minor Feox ex tray.
377112	423.8 - 424.8	½ NQ	230mm	423.8m	FELSIC LAVA? Khaki & pink, hard, fol (flow-banding?) 1-2 mm pink & white felds. Patchy sil>alb alt after mod chl, trace epi, minor py. Minor qtz-cb(fe) veinlets, all excl. Minor Feox ex tray.
377113	435 - 436	½ NQ	90mm	435m	UNIDENTIFIED FELSIC VOLC. Dk green, hard, weak fol. Pink & white 1-2mm felds. One 25mm amygdaloidal lava lithic. Mod chl>epi, weak sil-alb alt. 3 qtz-chl veinlets - all excluded.
377114	445 - 446	½ NQ	250mm	445m	FELSIC LAVA. Hard, massive, unfol. Qtz amygdales to 10mm, 2mm mostly white felds & few qtz xyls 2mm. Mod sil, weak chl> alb alt. Hairline qtz-cb, chl or epi veinlets - all excluded.
377115	453.7 - 454.7	½ NQ	70mm	454.55m	FELSIC LAVA? Khaki-green, massive, unfol, prob flow banding in places. 1-3mm white felds. Two 15mm chloritic lithics. Mod chl>epi-sil alt. A few qtz-cb±chl veinlets to 1mm - all excluded.
377116	463 - 464	½ NQ	530mm	463.2m	FELSIC LAVA BRECCIA. Red & green, 1-3mm pink felds, frags to 60mm of flow-banded lava & chlor py volc. Mod-strong sil-alb>chl alt. Common qtz-cb veins, qtz & chl veinlets - all excl.
377117	474 - 475	½ NQ	70mm	474.1m	FELSIC CLASTIC. Green, massive, 1-2mm pink felds, 5-10mm chlor lithics. Basal 30cm sandy: felds, small lithics, minor py. Weak chl>ser?-sil-alb alt. Qtz± cb veinlets, excl. Feox ex trays.
377118	484 - 485	½ NQ	310mm	484m	UNIDENT FELSIC VOLC. Brown-green (ox of mod cb(fe) alt). Abund 2mm felds, weak fol, weak chl>sil alt. Qtz±cb v'lets excl.
377119	494 - 495	½ NQ	420mm	494.15m	FELSIC LAVA. Creamy-green & pink, hard. Indistinct text due to alt: strong silif>alb, cb(fe) & ble. 2mm felds, minor qtz amygs. Many qtz, qtz-cb(fe) & chl veinlets - several hairline incl.
377120	504 - 505	½ NQ	320mm	504.9m	FELSIC LAVA? Pink, v hard. Intense sil-alb alt (>cb(fe) alt). Diffuse chl in net-vein pattern gives bx look. 2mm white felds. 10mm siderite vein (excl). Many qtz & chl veinlets - a few chl incl.
377121 Dupl: 377122	515 - 516	½ NQ	130mm	515.9m	PUMICE BRECCIA. Brownish-green (surficial ox of mod ser-cb(fe) alt). 2mm white felds, fine pm, small lithics, cleaved. Sil patches & stringers (latter excl), minimal true veining - all excl.
377123	523 - 524	½ NQ	400mm	523m	FELSIC LAVA? Pink, v hard, unfol, 1-2mm white felds. Intense sil-alb alt, trace chl & cb(fe). Minor py & trace sp-gn on fract with chl (some incl). Qtz & qtz-cb(fe) veinlets - a few hairline incl.
377124	535.7 - 536.7	½ NQ	110mm	536.45m	FELSIC LAVA. Brownish-green (surficial ox of mod cb(fe), weak sil-alb & ser alt). Cleaved (shear just above), indistinctly-text, 2mm white & pink felds, qtz amygs to 10mm. Abund tiny cb(fe) stringers in cleavage - many in sample. Minor qtz veinlets - excl.
377125	543.5 - 544.5	½ NQ	240mm	544.3m	FELSIC CLASTIC? Brown-green, abund felds in cleaved ser matrix with poss fine pm. Qtz amygs to 5mm & cb-alt lithics. Mod ser-cb(fe) alt. Many cb(fe) veinlets - few hairline incl.
377126	554 - 555	½ NQ	190mm	554.4m	FELSIC CLASTIC? As above -brownish-grey (surficial ox of cb (fe)). Weak fol, abund indistinct creamy cb-alt or pink 2mm felds, two 5mm lithics, all in sericitic matrix. Weak-mod ser>sil-alb alt. Thin veinlets of cb(fe) & diffuse qtz, - a few of both incl.
377127	564 - 565	½ NQ	350mm	564m	FELSIC LAVA. Red, intense sil-alb alt, v hard, massive. 1-3mm pink to red felds. Fine magnetite. Common fract with chl (many incl). Veinlets of qtz & cb(fe), several hairline of both incl.
377128	573 - 574	½ NQ	320mm	573.1m	FELSIC LAVA. Red, v hard, massive, flow-banded, 1-3mm felds (white), 1 qtz amygdale. Hematitic, weakly magnetic. Intense sil -alb alt. Numerous hairline chl & cb(fe) veinlets - many incl.
377129	583 - 584	½ NQ	470mm	583m	FELSIC LAVA? Fawny-pink, v hard, indistinct text, surficially ox, abund 1-2mm felds. Strong sil-alb alt & ble. Abund fract filled with netwk of hairline cb(fe)±qtz >chl-py veinlets -many incl.
377130	594 - 595	½ NQ	310mm	594.65m	FELSIC LAVA. Red-brown, v hard, hematitic & weakly magnetic. 2mm white felds. Intense sil-alb alt. Chl fractures - some incl. Common cb(fe)±qtz veinlets - most hairline & many incl.

**WHITE SPUR - SAMPLED DRILLHOLE: WSP 8**

**Host Rocks: 248.0 - 264.9m. Top gradational to black siltstone/shale. Basal contact with FW a fault with shearing, rubble and veining.**

<b>377033</b>	249 - 250	½ HQ	330mm	249.1m	SILTSTONE. Grey, massive, not silic, weak bedding. Weak ser alt. Abund brown ox cb(fe) veinlets -numerous to 1mm in sample. 1% dissem & veinlet py - latter excl.
<b>377034</b>	259 - 260	¼ HQ	110mm	259.95m	VITRIC SILTSTONE. Fawny-grey, silic. Minor fine sst with feld & qtz grains. Mod-strong sil, weak ser-cb alt. Veinlets of brown cb(fe) - 25 hairline types in sample. Py on fract - excl.

**Footwall: 264.9 - 385.3m (EOH)**

<b>377035</b>	265.7 - 266.7	¼ HQ	110mm	266.1m	CRYSTAL SST. Creamy-green, hard, fol, feld xyls, rounded sed lithics to 8mm. Mod-strong sil-ser-cb alt. Common brown cb (fe) veinlets - 10-20 hairline types incl. 5% dissem py, assoc cb.
<b>377036</b>	275 - 276	¼ HQ	100mm	275m	FELSIC LAVA. Creamy-brown (ox of cb). Indistinct felds, amygs (chalcedonic). Strong ble-sil-cb-ser alt. 2-3% py-gn-sp-ccp. Cb (fe) hairline net-veinlets, many incl. 2 hairline qtz veinlets incl.
<b>377037</b>	285 - 286	¼ NQ	115mm	285.35m	UNIDENTIFIED FELSIC VOLC. Grey-green, abund sl indistinct 2mm felds. Mod ser-chl-sil alt. Minor hairline cb veinlets - all excl from sample. Minor dissem py. Abund fine leucoxene.
<b>377038</b>	295 - 296	¼ NQ	330mm	295.45m	UNIDENTIFIED FELSIC VOLC. Pale green, abund 2mm white felds, weak fol. Mod ser-chl-sil alt. Common cb(fe)±qtz veinlets to 5mm, 2 hairline incl. Minor py. Abund fine leucoxene.
<b>377039</b>	304 - 305	½ NQ	140mm	304.1m	UNIDENTIFIED FELSIC VOLC. Grey-green, abund 2mm white felds, unfol. Mod-strong chl-sil alt. Qtz-cb±chl veinlets to 3mm - several hairline incl. Fine leucoxene.
<b>377040</b>	314 - 315	½ NQ	310mm	314.05m	FELSIC LAVA. Fawny-brown (surficially ox), feld-phyric, unfol, abund qtz amygs to 15mm. Mod ser-cb-sil alt. Veins to 50mm of chalcedony±chl - excl. Several hairline cb or chl veinlets -incl.
<b>377041</b>	324 - 325	½ NQ	290mm	324.75m	UNIDENTIFIED FELSIC VOLC. Pale grey-green, massive, abund white felds 1-3mm, more-mafic lava lithics to 80mm. Mod chl-ser-sil alt. Qtz-chl & cb veinlets: ~6 hairline (both types) incl.
<b>377042</b>	334.5 - 335.5	½ NQ	200mm	334.75m	FELSIC LAVA. Fawny-green, abund white felds 1-3mm, qtz amygdals. Mod chl>ser alt with patchy sil. Surficial ox after weak cb alt. 3-4 hairline veinlets of qtz or cb in sample.
<b>377043</b>	344.5 - 345.5	½ NQ	340mm	344.5m	FELSIC LAVA. Grey-green, abund white felds 1-2mm, minor qtz amygdals. Strong patchy sil, lesser chl alt, minor ox on fract. Chalcedony veinlets -all excl. 10 hairline brown cb or qtz veinlets incl. Abund fine leucoxene.
<b>377044</b>	355.5 - 356.5	½ NQ	100mm	355.6m	UNIDENTIFIED FELSIC VOLC. Dk green, abund 1-2mm white felds, no amygs, <u>poss</u> pm. Mod-strong chl, weak patchy chalcedonic sil alt. Minor qtz stringers - excl. Hem on fract - incl. Py-gn on 1 fract.
<b>377045</b>	365.5 - 366.5	½ NQ	250mm	365.5m	FELSIC LAVA? Dk grey, <u>strongly</u> silif, massive, 1-2mm white felds. Poss qtz amygdals(?) Mod ser-chl alt. Abund spidery chalcedonic net-veinlets - numerous incl. Much fine leucoxene.
<b>377046</b>	375 - 376	½ NQ	50mm	375.95m	FELSIC LAVA. Pale creamy-green, massive, v hard, <u>intensely</u> silif, 1-2mm white felds & chalcedonic amygdals to 20mm. Weak-mod ser>chl alt of groundmass. <u>No</u> veining.
<b>377047</b>	384 - 385	½ NQ	250mm	384.4m	FELSIC LAVA? Pale red & dk green. Massive, hard, 2mm white & pink felds. Pseudobreccia text caused by sil-alb alt in net-vein pattern overprinting sil-chl alt. Qtz-cb & epi veinlets - a few hairline of both in sample.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 9					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 465.5 - 477.7m. Top gradational 459.0 - 465.5m to black siltstone/shale unit above. Base gradational from 476.0 - 477.7m with sandy sediment bands interspersed with FW material.</b>					
377001	465.5 - 466.5	¼ NQ	50mm	466m	VITRIC SILTSTONE / SHALE. Fawny-grey, scattered felds (cb-alt brown), bedded. Weakly-mod ser-cb alt. Abund irreg hairline cb veinlets, 15-20 incl. 2% disseminated py, trace po, sp?
377002	474 - 475	¼ NQ	50mm	474.9m	FINE VOLCANICLASTIC SST. Fawny-grey, silic (cherty lenses near top), subround feld & qtz grains in vitric matrix. Mod ser-ble-cb(fe) alt. Hairline brown cb(fe) veinlets - about 15 incl.
<b>Footwall: 477.7 - 508.0m (EOH)</b>					
377003	477.7 - 478.7	¼ NQ	180mm	477.85m	UNIDENTIFIED FELSIC VOLC. Creamy-grey, hard, weakly fol, 2mm white felds. Abund fine leucoxene. Strong sil, mod ser> chl alt. Minor qtz veinlets -excl. Hairline cb & chl veinlets - 6 incl.
377004	488 - 489	½ NQ	50mm	488.95m	PUMICE BRECCIA. Mottled white & dk green, v hard, 1-3mm white felds, weakly fol, visible pm. Strong patchy sil overprinting mod-strong chl alt. Almost no veining. Abund fine leucoxene.
377005	498.5 - 499.5	½ NQ	50mm	498.5m	PUMICE BRECCIA. Pale green-grey, hard, 1-2mm indistinct felds, fine pm, weakly fol. Mod ser-sil>chl alt. No veining.
377006	506 - 507	½ NQ	180mm	506m	UNIDENTIFIED FELSIC VOLC. Mottled cream & grey-green, v hard, 1-2mm white felds, massive, unfol, poss small qtz amygs. Strong sil, mod ser-chl alt. Qtz & qtz-cb veinlets - 5 hairline incl.
WHITE SPUR - SAMPLED DRILLHOLES: WSP 10A					
<b>Host Rocks: 437.6 - 443.95m: 70% reworked FW feld-phyric vitric material and 30% tuffaceous siltstone.</b>					
377007	440 - 441	¼ NQ	50mm	440.95m	VOLCANICLASTIC SST. Grey, interbed feld-xyl sst (40%), finer qtz-feld sst (40%) & sericitic sandy siltst (20%). Mod-strong sil-ser>chl alt. 4% py. Almost no veining - 2 hairline cb veinlets incl.
<b>Footwall: 443.95 - 626.2m (EOH)</b>					
377008	444 - 445	¼ NQ	50mm	444.95m	PUMICE BRECCIA. Greenish-grey, feld-phyric, visible pm, fol. Mod strong sil-ser-chl alt, some grey cherty silica near top. One 50mm pyritic siltst lithic. No veining. 2% py. Abund leucoxene.
377009	454 - 455	½ NQ	200mm	454.2m	PUMICE BRECCIA. Silic, hard, feld-phyric, weakly fol. Mod ser-chl-sil alt. Cb veinlets <1mm - 3 or 4 hairline incl. Minor py.
377010	463.6 - 464.6	½ NQ	200mm	463.8m	FELSIC CLASTIC? Dk grey-green, hard, massive, unfol, 2mm white felds. One 30mm fi gr vitric lithic. Patchy strong sil, mod chl alt. Minor cb veinlets to 1mm.
377011	473 - 474	½ NQ	200mm	473m	FELSIC CLASTIC? Ditto above: dk grey-green, abund 2mm felds (too many for a lava?). Mod chl, patchy strong sil. Reg 1mm cb-chl veinlets - most excl (2 hairline incl).
377012	485 - 486	½ NQ	100mm	485.85m	FELSIC CLASTIC? Similar to above except alt weaker. Granular, weakly fol, abund 1-2mm white felds, one 20mm fi gr lithic. Weak-mod chl>ser alt & minor sil patches. Minor qtz-cb-chl veinlets to 4mm - most excl (2 hairline incl).
377013	494 - 495	½ NQ	270mm	494.1m	FELSIC CLASTIC? As above. Mod chl>ser alt, patchy sil. Qtz-cb±chl veinlets to 3mm - several hairline incl.
377014	504.6 - 505.6	½ NQ	50mm	494.1m	UNIDENTIFIED FELSIC VOLC. Sl rock change. Green-grey, felds not as distinct as before, mod fol, & pseudo-bx texture due to patchy sil. Weak-mod chl>ser-sil alt. Totally unveined.
377015	514 - 515	½ NQ	280mm	514.5m	UNIDENTIFIED FELSIC VOLC. Mixture of fol volc as above and unfol volc as above 474m with white unorientated felds 1-3mm. Mod chl>ser alt & patchy sil. Numerous cb or qtz-cb veinlets - 2 hairline cb in sample. Abund fine leucoxene.
377016	523 - 524	½ NQ	160mm	523m	FELSIC LAVA? Grey-green, mottled, hard, massive, unfol, abund 2mm felds & occas 5-10mm cb ovoids (amygdales?) Mod chl alt overprinted by patchy sil-ser. Qtz-cb±chl veinlets & hairline cb veinlets - 2 of latter incl. Abund fine leucoxene.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 10A					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Footwall: Continued</b>					
377017	535 - 536	½ NQ	500mm	535m	FELSIC LAVA? Dk greenish-grey, hard, massive, unfol, 2mm white felds. Strong sil, mod chl>ser alt. 1% dissem sp. Numerous qtz-cb±chl veinlets, most excl - several hairline incl.
377018	544.2 - 545.2	½ NQ	170mm	544.2m	FELSIC LAVA? Similar: strongly sil alt, unfol, 2mm white felds, chl flecks (hornblende?) Weak-mod chl-ser alt. Minor sp. Numerous qtz-cb±chl veinlets - several hairline incl.
377019	553 - 554	½ NQ	320mm	553.9m	UNIDENTIFIED FELSIC VOLC. Dk grey-green, v hard, massive, unfol, 2mm white felds. Strong sil>chl alt. Common qtz-cb veinlets: 10 (mostly hairline) incl. Minor core barrel Fe incl.
377020	564 - 565	½ NQ	100mm	564.7m	UNIDENTIFIED FELSIC VOLC. As above but sil alt weak. Mod chl>ser alt. Unveined.
377021	574 - 575	½ NQ	250mm	575.4m	PUMICE BRECCIA. Pale green, weakly fol, abund 2mm white or pale pink felds, visible fine pm. Weak-mod sil-chl-ser alt. Qtz-cb±chl veinlets to 4mm - mostly excl: 5 hairline incl.
377022	582 - 583	½ NQ	310mm	582.4m	FELSIC LAVA. Purplish-green, feld-phyric, massive, v hard, flow-banding, qtz amygdals. Alt: intense sil, mod chl, weak alb, trace epi. Dissem mag. Many qtz-cb veinlets, +12 hairline incl.
377023	592 - 593	½ NQ	110mm	592.5m	UNIDENTIFIED FELSIC VOLC. Grey-green, 1-2mm white>pink felds. Patchy sil, weak-mod chl-alb alt. Thin qtz-cb or spidery chalcedonic qtz veinlets - 6 hairline (both types) in sample.
377024	603 - 604	½ NQ	300mm	603m	UNIDENTIFIED FELSIC VOLC. Dk pink & green, v hard, unfol, 1-2mm white & pink felds. Strong sil-alb-chl alt. Weakly magnetic. Qtz-cb(fe)±chl veinlets, mostly hairline - several incl.
377025	615.2 - 616.2	½ NQ	220mm	615.95m	UNIDENTIFIED FELSIC VOLC. Dk red & green, almost granitic-textured, 2mm felds. Unfol, massive, v hard. Strong sil-alb>chl alt. 2% dissem mag. Weak cb-chl veinlets - 3 hairline incl.
377026	624 - 625	½ NQ	100mm	624.45m	UNIDENTIFIED FELSIC VOLC. As above: dk red & green, granitic-textured feld-phyric volc: unfol, massive. Strong sil-alb >chl alt. 1% mag. Common hairline cb-chl veinlets - all excl.

WHITE SPUR - SAMPLED DRILLHOLES: WSP 11					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: Missing. The unit sitting on FW is same mass flow seen above 2-3m of Host Rocks in hole WSP 15.</b>					
<b>Footwall: 241.2 - 292m (EOH)</b>					
377027	242 - 243	¼ NQ	110mm	242.4m	PUMICE BRECCIA. Dk pinkish-brown, abund 2mm felds, weak fol, visible prob pm, weak fol. Mod-strong sil-alb>chl alt. Abund leucoxene, trace py. Minor hairline cb(fe) veinlets - 2 incl.
377028	251 - 252	½ NQ	200mm	251.4m	PUMICE BRECCIA? Pinkish-green, hard, almost unfol. No pm visible, prob lithics. Mod-strong sil-alb-chl alt. Hairline brown cb(fe) veinlets - 2 in sample.
377029	261 - 262	¼ NQ	70mm	261m	UNIDENTIFIED FELSIC VOLCANIC. Pinkish-grey, massive, feld-phyric, weak fol. Mod patchy cb-sil-alb-chl alt. Abund leucox. Small brown cb(fe) veinlets - all excl. Minor ox basal 30cm.
377030	273 - 274	½ NQ	50mm	273.95m	UNIDENTIFIED FELSIC VOLCANIC. Pale green, 2mm white felds in weakly fol matrix. Mod-strong sil, weak ser>chl- epi(?) alt. 1mm cb veinlet - excl, otherwise no veining.
377031	280 - 281	½ NQ	300mm	280.2m	UNIDENTIFIED FELSIC VOLCANIC. Similar. Pale khaki-green, weakly fol, 1-2mm white felds. Mod-strong sil, weak ser(or epi?)>chl alt. Low-angle cb or qtz-cb veinlets - all excl.
377032	290 - 291	½ NQ	180mm	290.2m	UNIDENTIFIED FELSIC VOLCANIC. Dk red-green, almost granitic-text, massive, v hard, unfol, abund 1-2mm white & pink felds. Strong sil-alb >chl-epi alt with qtz-epi veinlets to 5mm (these excl). 5mm py clast at 290.7m.
<b>Note: Downhole facings in sst/siltst bands in FW at 270-272m.</b>					

WHITE SPUR - SAMPLED DRILLHOLES: WSP 12					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 217.5 - 249.55m. Top contact gradational 217-218m. Fawny-grey, bleached, very tuffaceous and siliceous bedded siltst, mudst and some fine sst. Basal contact abrupt.</b>					
377066	224 - 225	½ NQ	50mm	224.75m	SILIC VITRIC SILTSTONE. Fawny-grey, hard. Beds of coarse feld>qtz xyl sst with feld-phyric clasts, in basal 40cm. Weak ser>chl-alt (felds pink). Hairline cb-qtz veinlets on fract - several incl. Subconcoidal fracture - no cleavage.
377067	235 - 236	½ NQ	130mm	235.1m	SILIC VITRIC SILTSTONE. Pale grey, massive (no bed), v hard. Small qtz xyl grains, felds & lithics. Weak ser alt. Qtz-cb veins to 10mm (excl), common tiny hairline qtz-cb±chl veinlets: 5-10 incl.
377068	245 - 246	¼ NQ	300mm	245.15m	SILIC VITRIC SILTSTONE. Creamy-grey, v hard, massive, minor white feld & lithic sand grains. Strong sil, mod ser, weak chl, alt. Qtz-cb-chl±py veinlets (excl). 2 hairline qtz veinlets incl.
<b>Footwall: 249.55 - 353.5m (EOH)</b>					
377069	249.6 - 250.6	¼ NQ	100mm	250.25m	PUMICE BRECCIA. Khaki-grey, fine visible pm, weak fol, abund 2mm white & pink felds. Mod chl-ser & weak alb-sil alt. Almost unveined - 2 tiny hairline cb veinlets incl. Abund leucoxene.
377070	260 - 261	½ NQ	150mm	260.75m	UNIDENTIFIED FELSIC VOLC. Reddish-grey, unfol, abund pink >creamy 2mm felds, no visible pm. Mod-strong sil-alb>chl alt. Qtz-cb-chl veinlets //LCA (excl); 4 hairline qtz-cb veinlets incl.
377071	269.8 - 270.8	½ NQ	100mm	270.75m	UNIDENTIFIED FELSIC VOLC. Pale reddish-grey, weakly fol. Abund pink 1-2mm felds, no visible pm. Mod sil-alb-chl alt. Brown cb(fe)-chl veinlets //LCA & white cb-chl veinlets - both excl.
377072	280 - 281	½ NQ	260mm	280.4m	PUMICE BRECCIA? Reddish-fawn, hard, weak fol, abund 1-2 mm creamy & pink felds, poss fine pm, one lithic. Mod-strong sil-alb>chl alt. Many hairline qtz-cb & chl veinlets, 10 chl type incl.
377073	290 - 291	½ NQ	100mm	290.3m	PUMICE BRECCIA? Pale reddish-green, massive, abund 1-2mm pale pink felds. Numerous sil-alb alt red lava lithics to 15mm, 1 or 2 poss fine pm. Mod-strong sil-alb>chl alt. Minor qtz-cb-chl veinlets (excl), 3 hairline chl veinlets in sample.
377074	300 - 301	½ NQ	50mm	300.85m	FELSIC CLASTIC? As above but no pm noted. Dk red & green, weak fol, abund 1-2mm pink felds, 3 poss lithics. Strong sil-alb>chl alt. Strongly hematitic. Minor cb±chl stringers - excl.
377075	312 - 313	½ NQ	380mm	312m	PUMICE BRECCIA? Red & dk green, weak fol, poss fine pm. Abund 1-2mm pale red felds. Strong sil-alb-chl alt. Minor py. Cb-chl veinlets to 2mm - some <1mm in sample.
377076	319.3 - 320.3	½ NQ	100mm	320.3m	UNIDENTIFIED FELSIC VOLCANIC. Creamy-grey, abund pink & cream felds. Strong sil, mod alb>ser>chl alt. Matrix /g'mass replaced by small knots/patches of qtz (in sample). Two 3mm qtz-ser veinlets (excl), 2 hairline qtz veinlets (incl). Fine leucox.
377077	330 - 331	½ NQ	50mm	330.55m	PUMICE BRECCIA. Creamy-khaki, creamy 1-3mm felds & fine pm. Strong sil, weak-mod ser>chl alt (no alb). Alt increasing with depth. Almost no veining (two 2mm qtz-ser veinlets excl).
377078	341 - 342	½ NQ	150mm	341.05m	PUMICE BRECCIA. Creamy-green. White felds 1-2mm, fine pm. Mod-strong sil>ser (or epi?)>chl alt. Minor py. Minor low-angle <1mm cb-chl veinlets - all excl.
377079	350.5 - 351.5	½ NQ	50mm	350.5m	PUMICE BRECCIA. Creamy-green, weak fol, 1-2mm white felds, minor fine pm. Mod sil, mod ser-ble alt, trace chl & epi. Minor py & black heavy mineral grains (non-mag). Minor low-angle hairline cb-chl veinlets - one in sample.

WHITE SPUR - SAMPLED DRILLHOLES: WSP 13					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 451.5 - 454.9m</b>					
376926	451.5 - 452.5	¼ NQ	200mm	451.85m	CRYSTAL SST. Grey, fine qtz & feld xyl grains in silty matrix. Mod sil-ser alt. 3% py. Calcite veinlets -all excl. 2 py veinlets -excl.
<b>Footwall: 454.9 - 547m (EOH)</b>					
376927	454.9 - 455.9	¼ NQ	50mm	455.85m	PUMICE BRECCIA? Creamy-grey, med gr, uniform, feld-phyric, fol. Mod-strong sil-ser-ble alt. No veining except cb veinlets in basal 5cm (excl). 1% py>ccp in fol. Some feox off core barrel.
376928	465 - 466	½ NQ	100mm	465.7m	VITRIC SILTSTONE (462-467m). Grey, v hard, brittle, unfol, weak bedding. Composed of glass shards & tiny pm frags. Strong sil, weak ser alt. Fracts with ble selvages & chalcedonic qtz or chl-py facings (1% py overall) - minor of both in sample.
376929	475 - 476	½ NQ	50mm	475.55m	VOLCANICLASTIC SST. Coarser version of above, felds 1-2mm & grey sed lithics to 3mm, in vitric matrix. V hard, weakly fol. Strong sil, weak ser-chl alt. 1 chl vein (excl). Minor py on fracts.
376930	486 - 487	½ NQ	320mm	486.2m	PUMICE BRECCIA? Fol, feld-phyric. Mod sil, weak ser-chl-alb alt. Common qtz-cb-chl veins & veinlets, some up to 1mm in sample. Minor py - dissem & in the qtz-cb veinlets.
376931 Dupl: 377080	494 - 495	½ NQ	100mm	494.85m	UNIDENTIFIED FELSIC VOLCANIC. Pink-green, 2-3mm felds, hard, massive, unfol. Mod sil-chl-alb alt. 1 chl veinlet - excl.
376932	504.5 - 505.5	½ NQ	200mm	504.75m	UNIDENTIFIED FELSIC VOLCANIC as above. Fawny-pink, feld-phyric, hard, massive, weakly fol. Mod sil-alb>ser>chl alt. Qtz-chl-cb veinlets - most excl but 5 hairline veinlets in sample.
376933	515 - 516	½ NQ	170mm	515.45m	UNIDENTIFIED FELSIC VOLCANIC as above. Red, hard, feld-phyric. Strongly sil-alb>chl alt, some ble fracts. Weakly magnetic. Cb veinlets - 3 or 4 hairline types incl.
376934	526 - 527	¼ NQ	210mm	526.5m	UNIDENTIFIED FELSIC VOLCANIC. Alt & min zone. Creamy-grey, 1-2mm felds (finer than above). Mod ser>sil-cb-ble-alb alt. 1% py, minor sp, dissem in chl zones // weak fol. Qtz-cb-chl veinlets 3 hairline veinlets in sample.
376935	535.3 - 536.3	½ NQ	100mm	536.05m	UNIDENTIFIED FELSIC VOLCANIC. Dk grey-green, fol, feld-phyric. Some fi gr peperitic(?) material. Mod ser-cb-chl alt. Cb veinlets - 5 hairline types in sample.
376936	545 - 546	½ NQ	280mm	545.4m	UNIDENTIFIED FELSIC VOLCANIC as above but less peperitic sil-cb material. Dk green, feld-phyric, fol. Mod chl>cb-ser alt. Two qtz-cb veins - excl, but two qtz-cb veinlets to 1mm incl.

WHITE SPUR - SAMPLED DRILLHOLES: WSP 14					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 447.9 - 455.2m</b>					
376995	448.7 - 449.7	¼ NQ	170mm	449.4m	PYRITIC VOLCANICLASTIC SST. Fi-med gr, qtz xyl, feld xyl & lithic grains. 5-10% dissem py. Mod sil-ser alt. Veinlets of qtz-cb & cb(fe-type, ox brown) - some hairline of both in sample.
<b>Footwall: 455.2 - 494.6m (EOH)</b>					
376996	455.25 - 456.25	½ NQ	50mm	455.95m	PUMICE BRECCIA. Med-coarse gr, feld-phyric, fol (cleaved). Weak-mod chl-ser alt. 1% py as small clots in cleavage. Tiny shear at 456.7m. One qtz vein (excl), otherwise no veining.
376997	465 - 466	½ NQ	50mm	465m	FINE PUMICE BRECCIA. Feld phyric, fol. No veining. Weaker chl-ser alt than above.
376998	476.5 - 477.5	½ NQ	100mm	476.5m	FINE PUMICE BRECCIA. Feld-phyric, fol (cleaved). Mod chl-ser alt. Cb veinlets 3mm (excl) - several hairline in sample.
376999	485.3 - 486.3	½ NQ	130mm	485.3m	FINE PUMICE BRECCIA. As above: feld-phyric, cleaved. Weak-mod chl-ser>cb alt. Cb veinlets to 3mm - all excl.
377000	493.6 - 494.6 EOH	½ NQ	150mm	493.6m	FINE PUMICE BRECCIA as above. Weak-mod chl>ser>cb alt. Cb veinlets - excl except for 1 lensy veinlet up to 1mm.

WHITE SPUR - SAMPLED DRILLHOLES: WSP 15					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 232.1 - 234.2m. Unsampleable: Sst with massive qtz-cb veins &amp; breccia-fill. Disrupted top contact.</b>					
<b>Footwall: 234.2 - 401.2m (EOH)</b>					
376978	234.7 - 235.7	½ NQ	50mm	234.75m	PUMICE BRECCIA. Grey, strongly fol, feld-phyric. Cb in fine nodules. <u>Strong cb</u> , mod ser>sil alt. Almost no veining - minor cb stringers at top & base - excl. Common leucoxene.
376979	244 - 245	½ NQ	100mm	244.9m	PUMICE BRECCIA. Pale grey-green with pink tinge. Strongly fol, massive, feld-phyric. Mod ser-chl-cb>alb alt. Unveined except for 20mm cb-chl vein at base (excl). Common leucoxene.
376980	254 - 255	½ NQ	150mm	254.65m	VOLCANICLASTIC SST. Grey, fol, massive, uniform, vitric: fine pm, felds & lithic grains. Mod-strongly <u>ser</u> , weak cb-sil alt. 1% py - dissem & hairline fract-facings (3 incl). V minor cb±qtz±py veinlets to 1mm -excl apart from 2 hairline cb veinlets incl.
376981	263.5 - 264.5	½ NQ	50mm	264.45m	VOLCANICLASTIC SST. Pale grey-green, massive, uniform, hard, vitric: fine pm, felds & tiny lithic grains. Mod ser>sil-cb-chl alt & alb of felds. Rare cb veinlets to 1mm - excl. Trace py.
376982	271.5 - 272.5	½ NQ	70mm	271.7m	SILTY CRYSTAL SST. Fawn, hard (brittle), massive, weakly fol. 1-2mm pink felds in vitric matrix. Mod ser-sil-alb alt, trace cb. Qtz-cb veinlets -2 hairline incl. 2 hairline py fract-facings incl.
376983	282 - 283	½ NQ	200mm	282.1m	PUMICE BRECCIA. Similar to above except more fol. Pale grey, massive, scattered 1-2mm felds, fine pm. Mod <u>ser</u> >sil-alb alt. One 3mm chl-cb veinlet (excl) otherwise no veining.
376984	294.5 - 295.5	½ NQ	100mm	294.85m	PUMICE BRECCIA. As above. Fawny-grey, massive, fol, feld-phyric, fine pm. Mod ser>sil-alb alt. 1 small chl veinlet (excl). Some minor py fract-facings in sample.
376985	304 - 305	½ NQ	100mm	304.25m	PUMICE BRECCIA. Creamy green-grey, strong fol, feld-phyric, fine pm. Mod ser-cb alt, minor chl-sil-alb. No veining.
376986	316 - 317	½ NQ	230mm	316.25m	PUMICE BRECCIA. More & larger felds, less matrix, than above. Pale greenish-grey with pink felds 2-3mm. Mod fol, massive, hard. Weak-mod ser>sil-alb-chl alt. Qtz-cb-chl veins to 15mm - all excl.
376987	323.5 - 324.5	½ NQ	200mm	324.1m	PUMICE BRECCIA. Pale red, massive, v hard, feld-phyric. Mod - strong sil-alb-chl alt. Minor cb-chl veinlets - 2 hairline incl.
376988	334 - 335	½ NQ	250mm	334.45m	PUMICE BRECCIA. Pinkish-green, massive, hard, fol, feld-phyric. Mod sil-alb-chl alt. Weak qtz-cb veinlets - all excl.
376989	344 - 345	½ NQ	100mm	344.65m	PUMICE BRECCIA. Dk fawny-grey, hard, massive, fol, feld-phyric. Mod sil-alb-ser>chl alt. Minor low-angle cb(fe) veinlets to 1mm - most excl but several hairline in sample.
376990	353 - 354	½ NQ	300mm	353.15m	PUMICE BRECCIA. Pale pinkish-fawn, v hard, fol, feld-phyric. <u>Strong sil</u> , mod alb-ser>chl alt. Low-angle brown cb(fe) veinlets to 1mm (several hairline incl), with facings of green soft chl (or epi?) - poss assoc with mafic dyke at 355.8m.
376991	364 - 365	½ NQ	120mm	364.05m	PUMICE BRECCIA. Fawny-pink, hard, fol, feld-phyric. Strong sil, weak-mod alb>chl alt. 20mm qtz-cb vein (excl) & hairline qtz-cb veinlets - 2 in sample.
376992	374 - 375	½ NQ	50mm	374m	PUMICE BRECCIA. As above except felds finer than before (1-2mm). Fawny-pink, fol, v hard due to strong sil alt. Mod-strong alb, weak chl alt. Sparse hairline brown cb veinlets - one incl.
376993	385 - 386	½ NQ	50mm	385.8m	PUMICE BRECCIA. As above, felds 2mm. Dk pink-grey, v hard, fol. Mod-strong sil>alb>chl alt. Rare qtz-cb veinlets - excl.
376994	395 - 396	½ NQ	150mm	395.2m	PUMICE BRECCIA. Dk pinkish-green, v hard, fol, felds 2mm. Mod strong sil>alb>chl alt. 80mm band of cb alt at 395.6m (in sample). Weak hairline chl>cb veinlets - 2 in sample.

WHITE SPUR - SAMPLED DRILLHOLE: YWS 1					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 356.3 - 406.2m</b>					
376944	356.6 - 357.6	½ NQ	170mm	357.55m	FINE VOLCANICLASTIC SST. Grey, composed of qtz & feld xyl grains with shaley matrix in top 50cm. Weak ser alt. Minor py. Py & cb(fe) veinlets - most excl, but minor hairline cb types incl.
376945	366.5 - 367.5	½ NQ	100mm	367.45m	QTZ-FELD PORPHYRY. Grey, peperitic, with bx-fill of fi gr white volc material. Unfract. Weak sil-ser-cb alt. Weak qtz-cb or cb(fe) veinlets - most excl, but 2 hairline incl.
376946	374.2 - 375.2	½ NQ	100mm	375.15m	QTZ-FELD PORPHYRY. Grey, massive. Weak sil-ser-chl alt. 1-2mm qtz-cb(fe) veinlets - excl. Numerous hairline fract's faced with qtz-cb(fe)-py: about 12 in sample.
376947	383.8 - 384.8	½ NQ	150mm	384.05m	QTZ-FELD PORPHYRY. Grey, hard, strong sil alt. Common fract's faced with hairline qtz-cb-chl, some with minor sulphide stains. Weak-mod ser alt. 1-2mm qtz-cb veinlets - excl.
376948	395.8 - 396.8	½ NQ	150mm	396.3m	QTZ-FELD PORPHYRY. Grey, hard, silic, massive, even-grained. Felds 2-3mm. Some peperitic bx texture & fract's (some with facings of py). Rare qtz-cb-chl veinlets (excl).
376949	401.7 - 402.7	½ NQ	50mm	402.65m	VOLCANICLASTIC SST (porphyry ends 401.3m). Pale grey, hard, brittle, silic, silty, grainsize variations. Composed of glass & feld xyl grains. Mod sil-ser alt. Common qtz-cb±ser-chl veinlets - 1 of 1mm & several hairline, incl.
<b>Footwall: 406.2 - 430.5m (EOH)</b>					
376950	406.2 - 407.2	½ NQ	150mm	407.15m	FINE PUMICE BRECCIA. Feld-phyric, with fi gr peperitic(?) inclusions of silic vitric material. Mod ser>sil>chl alt. Minor ser-cb & py veinlets, assoc with silic shale inclusion - all excl.
376951	415.4 - 416.4	½ NQ	110mm	416.35m	FINE PUMICE BRECCIA. Feld-phyric, minor fi gr silic lithics & weak peperitic text. Mod sil>chl-ser alt, trace alb (some felds pink). Cb veinlets - largely excl: 1 of 1mm & several hairline incl.
376952	426.5 - 427.5	½ NQ	50mm	427.45m	FINE PUMICE BRECCIA. Pink, feld-phyric. Mod sil-alb>chl alt. Hairline cb-ser on fract's: 3 in sample.

WHITE SPUR - SAMPLED DRILLHOLE: WSP 311					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: 220.3 - 221.7m</b>					
376920	220.3 - 221.3	¼ NQ	140mm	220.6m	SERICITIC SHALE (siltst below 221m). Grey. Weak-mod ser-cb alt (feld xyls cb-alt). 2% py in siltst. Common veinlets of brown cb(fe) & sp - all 1mm or more excl, but some hairline incl.
<b>Footwall: 221.7 - 263m</b>					
376921	221.7 - 222.7	¼ NQ	100mm	221.5m	PUMICE BRECCIA. Massive, bleached, fol, feld-phyric. Felds 2mm & cb(fe) alt (brownish). Overall, mod-strongly ble-ser-sil-cb alt. Only veining one 1mm cb veinlet - excl.
376922	232 - 233	½ NQ	220mm	232.4m	PUMICE BRECCIA. Creamy, strongly fol (cleaved), feld-phyric. Mod-strongly ble-ser-sil-cb alt. Cb (some siderite) veinlets - mostly excl - a few hairline incl.
376923	244 - 245	½ NQ	100mm	244.55m	PUMICE BRECCIA. Massive, hard, feld-phyric. Mod ser>chl-cb-sil alt: less than above (colour sl darker due to chl). Trace pink alb felds. Minor cb(fe) veinlets (not siderite) - a few hairline incl.
376924	252 - 253	½ NQ	170mm	252.45m	PUMICE BRECCIA. Identical to above: massive, mod alt. 1mm cb(fe) tension veinlets - several hairline incl. Minor Fe from core barrel.
376925	262 - 263	½ NQ	80mm	262m	PUMICE BRECCIA. Massive, hard, darker & less-alt than above: mod chl, weak ser-cb>alb-sil alt. Chl-cb(fe) veinlets, most excl - minor hairline incl. Minor Fe staining from core tray.

**WHITE SPUR - SAMPLED DRILLHOLES: WSP 313**

Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: Not intersected - hole starts in FW.</b>					
<b>Footwall: 0 - 255m (EOH)</b>					
376953	11.0 - 12.0	½ HQ	580mm	11m	PUMICE BRECCIA. Creamy-brown, feld-phyric, fol, massive, hard, partly ox. Mod-strong sil>ser-ble alt. Qtz-cb>chl veinlets -two <1mm incl). Limonite & MnO on fracts - minor incl.
376954	19.8 - 20.8	½ NQ	100mm	20.3m	PUMICE BRECCIA. Creamy-brown, feld-phyric, fol, massive, hard, weakly ox. Mod-strong patchy sil>ser-chl-ble alt. <u>No veining</u> . Fe & Mn oxide on fracts & as stains- signif amount incl.
376955 Dupl: 377081	28.2 - 29.2	½ NQ	250mm	28.95m	PUMICE BRECCIA. Unox, fol, 1-2mm pink felds. Mod-strong sil>ser-chl-alb alt. <u>No veining</u> .
376956	40 - 41	½ NQ	370mm	40.9m	PUMICE BRECCIA. Creamy-green & pink, hard, fol, pink felds. Mod-strong sil>ser-chl-alb alt. Qtz-cb-chl veinlets, 1x <1mm incl.
376957	50 - 51	½ NQ	50mm	50m	PUMICE BRECCIA. Pale green-grey & pink. Feld-phyric, fol, strong sil alt (almost chalcedonic), massive. Weak-mod ser-chl-alb alt. Unveined. Minor Fe from core barrel.
376958	60.2 - 61.2	½ NQ	50mm	61.05m	PUMICE BRECCIA. Creamy-green, feld-phyric, fol, massive. Fi gr irreg 10mm lithics. Mod sil>ser>chl alt. A few thin cb-chl veinlets - 1 hairline incl. Weak sulphide stains on fracts.
376959	68.5 - 69.5	½ NQ	100mm	69.25m	PUMICE BRECCIA. Creamy-green, feld-phyric, fol, massive, hard. Mod-strongly sil (slightly chalcedonic) >ser alt. 7mm qtz-cb-chl vein (excl). Minor hairline brown cb(fe) veinlets - 2 incl.
376960	80.5 - 81.5	½ NQ	120mm	80.85m	PUMICE BRECCIA. As above. Low-angle brown cb(fe) veinlets to 1mm - mostly excl (2 hairline in sample).
376961	89.5 - 90.5	½ NQ	100mm	89.8m	PUMICE BRECCIA. As above, felds & visible pm, weaker fol. Mod sil>ser-ble-chl>cb alt. Brown cb(fe) veinlets -3 hairline incl.
376962	100 - 101	½ NQ	320mm	100.9m	PUMICE BRECCIA. Creamy-brown & green, surficially ox with FeOx /MnOx stains. Mod ser-ble>sil alt. Sl clayey bx zones in lower half with minor py & brown cb(fe) veinlets - all excl.
376963	110 - 111	½ NQ	50mm	110.05m	PUMICE BRECCIA. Creamy-grey, fol, v vitric. Mod ble-sil-ser alt. No veining except for 3mm qtz-cb veinlet (excl). V weak ox.
376964	119.7 - 120.7	½ NQ	100mm	119.75m	PUMICE BRECCIA. Pink & green, feld-phyric, hard, few fi gr lithics to 10mm. Mod-strong sil-alb>chl alt. 5mm qtz veinlet (excl). Hairline cb(fe) veinlets - 6 incl. Minor Feox on fracts.
376965	128 - 129	½ NQ	180mm	128.4m	PUMICE BRECCIA. Creamy-fawn, feld-phyric, fol, surficial ox. Mod ble-sil>ser alt, trace alb or cb alt of felds. 3mm qtz veinlet, low-angle py fract & cb stringers - all excl.
376966	140 -141	½ NQ	220mm	140.35m	PUMICE BRECCIA. Pale red, feld-phyric, hard, few fi gr lithics to 15mm. Strong sil-alb>>chl alt. Common cb(fe) stringers to 2mm - a few hairline incl.
376967	149 - 150m	½ NQ	400mm	149.65m	PUMICE BRECCIA. Creamy-green & brown (ox of cb(fe) alt of felds: ox effects conspicuous but surficial). Mod-strong ble-sil>ser alt. Common 1mm brown cb(fe) veinlets - 10 incl.
376968	160.5 - 161.5	½ NQ	260mm	160.9m	PUMICE BRECCIA. Creamy-grey, weakly ox (FeOx incl). Mod-strong ble-sil-ser alt. Abund microfracts & bx zones filled with cb(fe), clay & rare py: ~20 hairline cb stringers incl. Bad sample.
376969	168.2 - 169.2	½ NQ	320mm	168.3m	PUMICE BRECCIA. As above exactly - less fracts but more ox & py. All py excl but ~10 brown ox cb(fe) hairline veinlets in sample. Sl clayiness assoc with fracts & bx zones.
376970	180.5 - 181.5	½ NQ	410mm	?	PUMICE BRECCIA. Similar but less ox. V ble & mod-strong sil-ser alt. Common cb(fe)-filled micro-fracts & bx zones, sl clay & py on fracts. All py excl but >10 cb hairline stringers incl.
376971	188.5 - 189.5	½ NQ	240mm	188.95m	PUMICE BRECCIA. Similar but less microveining, bx & ox than above. Mod-strong ble-sil-ser>chl alt. Sl clayiness & chl-ser around fracts. >10 brown cb(fe) spidery hairline veinlets incl. Py fracts towards base - excl.

WHITE SPUR - SAMPLED DRILLHOLES: WSP 313					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Footwall: (Continued)</b>					
376972	198.4 - 199.4	½ NQ	300mm	?	PUMICE BRECCIA. Similar to above. Mod ble-sil-ser>chl alt. Almost unox. Sl clayiness on fract. Less cb veinlets & fract-fillings than above, & >10 tiny hairline types incl. Trace py.
376973	208.5 - 209.5	½ NQ	100mm	209m	PUMICE BRECCIA. Similar to above. Creamy-grey, fol. Mod-strong ble>sil-ser alt. Less brown cb(fe) veining: 6 hairline incl.
376974	218.5 - 219.5	½ NQ	100mm	218.8m	PUMICE BRECCIA. Creamy-green, feld-phyric. Mod ble-ser-sil-chl alt (weaker than before). Minor brown cb(fe) hairline veinlets - a few in sample. Minor surficial ox.
376975	229.5 - 230.5	½ NQ	100mm	230.25m	PUMICE BRECCIA. Pink & green, hard, massive, unbroken, fol. One 30mm fi gr lithic. Mod-strong alb-sil>chl alt. Minor hairline cb veinlets - 2 or 3 in sample.
376976	240 - 241	½ NQ	150mm	240.3m	PUMICE BRECCIA. Red & green. Hard, fol, feld-phyric, with coarse chl 'stylolites'. One lithic. Mod-strong sil-alb-chl alt. V minor cb veinlets - a few hairline types in sample.
376977	251 - 252	½ NQ	200mm	251.6m	PUMICE BRECCIA. Pale red & green, hard, fol, feld-phyric, lithics (incl 50mm mafic clast). Mod-strong sil-alb-chl alt - some chl in vein-like 'stylolites' (in sample). Rare cb veinlets - all excl. Minor Fe off core barrel.

WHITE SPUR - SAMPLED DRILLHOLES: ANNE 1					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Host Rocks: No true HR present. Overlying black shale unit base is at 103m, with a mixture of shale &amp; sst to 106.5m, then two downward-coarsening mass flow units. At base of second mass flow at 119.7m is an abrupt contact to the FW.</b>					
<b>Footwall: 119.7 - 306.6m (EOH). Top of FW is rubbly, oxidized and intensely altered to 122.1m.</b>					
377048	122.5 - 123.5	¼ NQ	170mm	123m	PUMICE BRECCIA. Creamy-grey / brown, feld-phyric, v strongly ser-ble-cb alt. Intensely fol (schist), clayey, soft, 4% dissem py. Strong ox of pervasive cb(fe) & the abund veinlets (most hairline & sub-// fol) of same cb. Worst of these veinlets excl but <u>many</u> to 2mm incl in sample. This veining appears part of the alt.
377049	130 - 131	¼ NQ	260mm	130.5m	PUMICE BRECCIA. Creamy-grey schist, feld-phyric. Strong ser, weak chl-sil alt. Common brown cb(fe) veinlets mostly hairline - several (& 2 hairline chl) in sample. All veinlets sub-// cleavage.
377050	140 - 141	½ NQ	180mm	140.75m	PUMICE BRECCIA. Green, feld-phyric, visible pm, mod-strong fol. Strong chl alt. Occas white calcite or brown cb(fe) veinlets to 3mm - all excl. Fine leucoxene. Minor py.
377051	149.2 - 150.2	½ NQ	100mm	150.15m	PUMICE BRECCIA. Green, mod-strong fol, abund 1-2mm white felds, visible pm. Strong chl alt. Minor cb±epi(?) veinlets, mostly hairline - 2 in sample. Fine leucoxene.
377052	158 - 159	½ NQ	350mm	158m	UNIDENTIFIED FELSIC VOLC. Green with pink sil-alb patches. Unfol. Abund white & pale pink felds 1-2mm, no visible pm. Mod-strong chl alt, overprinted by sil-alb-epi (some vein-like & excl). Veinlets of qtz-cb & cb-epi: 6 to 1mm incl. Abund leucox.
377053	170.3 - 171.3	½ NQ	230mm	170.65m	UNIDENTIFIED FELSIC VOLC. Green, hard, unfol, abund 1-2mm felds. Mod-strong chl-epi alt with weak patchy sil-alb alt. Numerous epi veinlets - most excl but ~ 8 hairline in sample.
377054	180.5 - 181.5	½ NQ	110mm	180.85m	UNIDENTIFIED FELSIC VOLC. Dk pinkish-green, hard, unfol, 1-2mm pink & white felds. Mod alt: chl overprinted by sil-alb often in small "lithic-like" patches. Weakly mag. Minor epi veinlets - 3 hairline incl. One 4mm cb veinlet - excl. Fine leucoxene.
377055	192.5 - 193.5	½ NQ	230mm	192.5m	UNIDENT FELSIC VOLC. Dk green with red patches, due to strong sil-alb overprinting strong chl alt (some sil-alb looks like lithics). Massive, abund 1-2mm felds, dissem mag, fine leucox. Qtz veinlets (excl), common epi±chl veinlets: some hairline incl.

WHITE SPUR - SAMPLED DRILLHOLES: ANNE 1					
Sample No.	Interval (m)	Size	Excl	Ref Sample	Log
<b>Footwall: Continued</b>					
377056	199.8 - 200.8	½ NQ	380mm	199.95m	UNIDENT FELSIC VOLC. Dk grey-green with red tinge. Hard, massive, unfol, 1-2mm pink felds. Mod-strong chl>alb-sil alt. Numerous hairline epi and chl veinlets, ~20 (mostly epi) incl. Qtz-cb-chl veins to 50mm: excl. Weakly mag. Abund leucoxene.
377057	212 - 213	½ NQ	220mm	212.9m	VOLCANICLASTIC SST. Dk grey-green with pale red blotches. Similar to above but clearly clastic (coarse xyl-lithic sst). Definite lithics & feld abundance varies. Massive, unfol, 1-2mm white & pink felds in sil-chl matrix (mod-strong sil-chl-alb alt). Common hairline epi veinlets //LCA (>12 incl). Fine leucoxene. Mod mag.
377058	220 - 221	½ NQ	290mm	220.1m	UNIDENTIFIED FELSIC VOLC. Dk green & pale red. Massive, <u>weakly fol</u> , abund 1-2mm pink felds. Strong sil-alb-chl alt, weakly mag. Abund hairline chl veinlets (many incl), larger cb-chl veinlets (some incl) & qtz-cb-chl veins to 25mm (excl).
377059	228 - 229	½ NQ	330mm	228m	SHEARED FELSIC VOLC. Reddish-green, hard, feld-phyric. Disrupted bx text & strong shearing due to fault at 230.2m. Mod - strong sil-alb-chl alt. Abund mostly hairline irreg diffuse chl>cb veinlets assoc with shearing - numerous incl. Weakly mag.
377060	240 - 241	½ NQ	330mm	240.5m	SHEARED FELSIC VOLC. Dk grey-green, hard, 2mm pink felds sl obscured by strong shearing. Mod chl-alb-sil alt. Abund chl & cb veinlets (many incl) & a few qtz-cb-chl veins (excl). Leucox.
377061	250 - 251	½ NQ	240mm	250.5m	UNIDENTIFIED FELSIC VOLC. Similar, but fol not as strong. Dk grey-green, 1-2mm pink felds. Mod chl & weak alb-sil-ser alt. Common chl±cb veinlets - many hairline incl. Weakly mag.
377062	260 - 261	¼ NQ	340mm	260.3m	ALTERED PYRITIC SCHIST. Cream, feld-phyric volc, sl finer gr than above. Strongly schistose, bleached & ser alt (trace chl & alb), no sil. 340mm excl due to massive py slugs to finger-size. 3% dissem py (incl). Almost no veining: 3 small cb veinlets excl.
377063	271.5 - 272.5	½ NQ	480mm	271.7m	VOLCANICLASTIC SST. Dk greyish-green, granular, mod fol (cleavage). 1-2mm white & pink felds, poss fine pm, common fi gr chl lithics or red alb-sil alt felsic lava lithics 3-20mm. Mod chl-alb>sil alt. Common hairline spidery epi veinlets: ~8 incl.
377064	279 - 280	½ NQ	100mm	279m	VOLCANICLASTIC SST. As above: granular, coarse sand to grit-textured, weak fol prob after bedding. Pinkish-grey, abund 1-2mm pink or cream detrital felds & abund sub-angular 2 - 5mm sil-alb alt feld-phyric lithics. Mod sil-alb>epi-chl alt. Epi±hematite veinlets to 5mm: ~14 hairline types in sample.
377065	291 - 292	½ NQ	440mm	291.1m	SHEARED VOLCANICLASTIC SST. As above, except strong shearing inc with depth: rock unidentifiable below 291.5m (Nth Henty Fault at 296.5m). Greyish-green & pink, felds>lithics. Mod alb>sil-chl-epi alt. Vein-like irreg bands of sil-epi-alb alt in basal 0.25m (excl). Hairline veinlets of chl±cb: ~10 incl.