

GRAPHIC LOG

Location
Co-ordinates

Drill hole no.
WSP 10A

Logged by: Corey Jago

Scale: 1:200

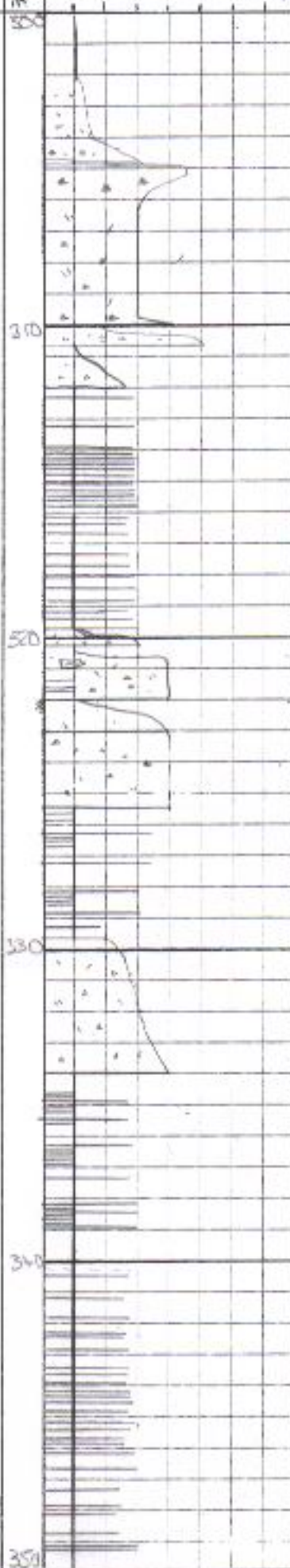
Date: 27/5/05 Page: 2 of 5

Structure

Sample

Rock / facies description + alteration

Grainsize
0.063 1 2 4 8 16 32 64 128 256 mm



322-322.5m
v. broken core
fault zone?
qtz CO₂ veining

328.6m
D₅₀ 50°

pyritic black mudstone grading to
black siltstone grading to black lithic sst
1-2mm angular faporite
305.3m - qtz carb vein + veinlets
- 1cm mudstone lithics at top of
numerous qtz carb veinlets throughout
astals of fapor + qtz

310m - large mudstone lithics at contact
310.7m - at base of lithic sst (large flattened
mudstone lithics aligned with
qtz fapor lithics perme in lithic sst
nd lenses at 308.9, 307.9, 307.6, 309.9m

312m - Plane structures of mudstone in lithic sst
sst laminae in mudstone, common 1-5mm
312.3m - graded 5cm bed
laminar - 1-2mm astals mudstone lithics
312.6m - qtz carb vein
319.6 - 319.2m - deformed veins

sst base 320.2m
10cm of mudstone at 320.2-320.4m
320.4-322m - lithic sst w/ mudstone interbed
at 320.8m (10cm in size)
1% sulphides
mudstone lenses at 321.3, 321.6 321.7m
(cm in size)
322m - gray lithic sst
1cm lithics (mudstone)
1mm astals

325.6m onwards gray mudstone
328m - qtz carb veins - deformed
329m - qtz vein
329.7m - 2cm pyritic blebs
329.6 - lithic sst, fapor qtz bk mudstone

black laminated siltstone / sst

340.2m 1-2mm sized grains, sericitic fapor
pyrrhotite

342.2m - flattened rounded black mudstone clasts
w/ pyrite + pyrrhotite
343.2m - qtz carb py chalc veining
pyritic laminated gray siltstone
3% pyrite

349.2 + 349.3m lithic sst beds 2cm + 5cm resp.

348m
S₅₀ 50°

GRAPHIC LOG		Location <i>White Spur</i>		Drill hole no. <i>HSP10A</i>	
		Co-ordinates			
Structure	E	Grainsize 1 2 00 32 64 256 mm	Logged by: <i>Corey Jago</i>	Scale: 1:200	Date: 27/5/05 Page: 3 of 8
			Sample	Rock / facies description + alteration	
	350			<p>350m - graded sst bed (10m) black grey siltstone top pyrite 1-2mm 8mm dissem. pyrite 1% 1-2mm creamy fspar 353-5m 5-8mm mud lithics 2shaly, soft-sericite qtz - 1mm 1mm qtz 355m - layer, siltstone intraclast >20cm 356-6m base br</p>	
	360			<p>356-4 - 358.3m - siltstone layers, bedding heavily disrupted folded due to overlying br 361.4 - 381.9m 2mm actate 7-10% sericite pyrite - 3% medium gray massive siltstone 364m qtz-py vein 365.1m - broken core, brown (staining) cleaved similar to top OCP235 v. like HSP10 high angle cleavage area - cleavage subparallel to core</p>	
	370			<p>369m - cleavage subparallel to core 371-376m - qtz CO₂ veinlets 374m - plane structure pale green grey fgy sst into med grey silt < 1mm white fspar sericite + CO₂ groundmass < 1mm black lithics - pumice? cream pumice angular 2mm (max) whispy to equant</p>	
	380			<p>383.5m - black domains phyllonite, pumice also silicified (white) sericite (cream) white domains of CO₂ pyrrhotite replacement in black domains disseminated pyrite sub angular 1mm qtz + fspar</p>	
	390			<p>qtz veining 391.1m & 391.6m siltstone clasts 392.5m</p>	
	400			<p>396-397.6m - numerous qtz veining 1-5% < 3mm disseminated pyrite</p>	

GRAPHIC LOG

Location
Co-ordinates

White Spur

Drill hole no.

WSP10A

Logged by: Corey Jago

Scale: 1:200

Date: 20/5/05

Page: 4 of 8

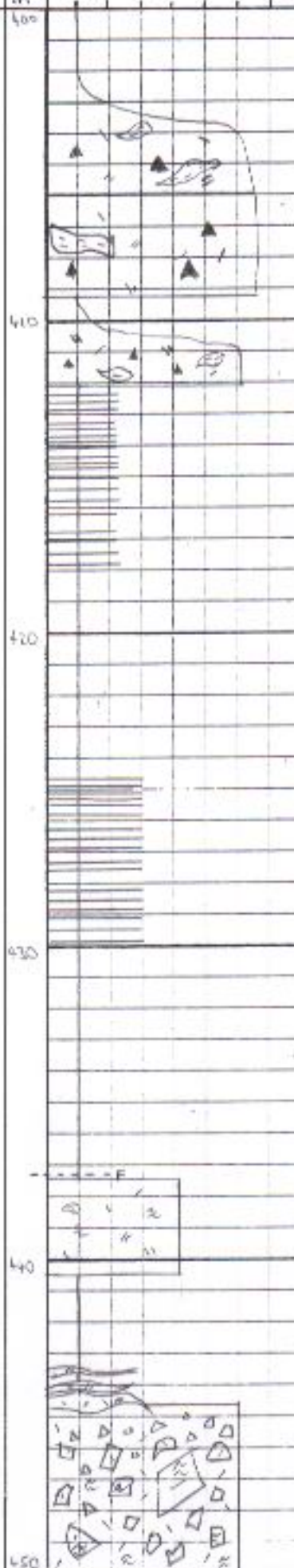
Structure

Grainsize

1 2 8 32 64 256 mm

Sample

Rock / facies description + alteration



403 m - contact black siltstone + vfg sst (astals - 0.8-1mm)
 403.7 m - large intrachst
 404.2 - 404.5 m - very irregular torn mudstone intrachst w/ sst astals 1-4 mm sst pyrite domains 2-5 cm = 3mm + 1.5cm + 2mm (elongate) 3% pyrite
 404.5 - 404.9 m - sst domain / bed 10 cm in intrachst 1-3mm astals
 405.9 - 406.4 m - mudstone intrachst
 406.5 - 407.4 m - sst 2-3mm white fsp, 2-3mm clear blue grey qtz (subangular to subrounded both astals)
 408 m - coarser astals 3-4mm black lithics 1-3cm pumice black wispy 1% lam disseminated pyrite
 410 m - 1mm sub round to sub angular qtz + fsp w/ mudstone 'laminar' r.p-ups black pumice and also silicified pumice
 410.8 m - 15cm mudstone intrachst
 412.3 m - black mudstone, pyritic w/ vfg sst laminae - gradual contact laminae of mudstone in sst become more frequent, then mudstone w/ numerous sst laminae
 elongate pyrite blebs at 418.6 - 425 m - 422 m
 421.9 m - deformed qtz veining
 424.6 m - numerous / many fgs sst 1-2mm astals
 424.7 m - sst domain of clasts + FeS₂ (v. coarse) also at 428 m (1mm)
 429 m - deformed qtz CO₂ py vein w/ lithics coarse py 0.5-1mm
 430.1 m - 10cm qtz fsp (C?) cream vein
 433.6 - 437.4 m qtz veins py laminae blebs + domains
 436.6 - 437.4 m f zone, broken core, graphitic, qtz fsp (C?) cream veining fault at 437.3 - 437.4 m
 contact from 437m to 445m logged at 1:20 scale
 443.8 m - laminated sediment mixing w/ porphyritic pumice thin intervals of grey sst + grey mudst separated by fsp + phryc pumice clasts
 sst beds fsp white 1mm subangular to subrounded 7-10% qtz clear 1mm subrounded 5-7% white sericite + silicified pumice
 444.7 m - cream fgs tabate mafic clast 1% disseminated sulphides
 poorly sorted fsp phryc monomitic pumice bx fsp 1-4 mm sub rounded - sub angular 10-15% some clasts up to 60 cm strong fabric.



GRAPHIC LOG

Location White Spur
Co-ordinates

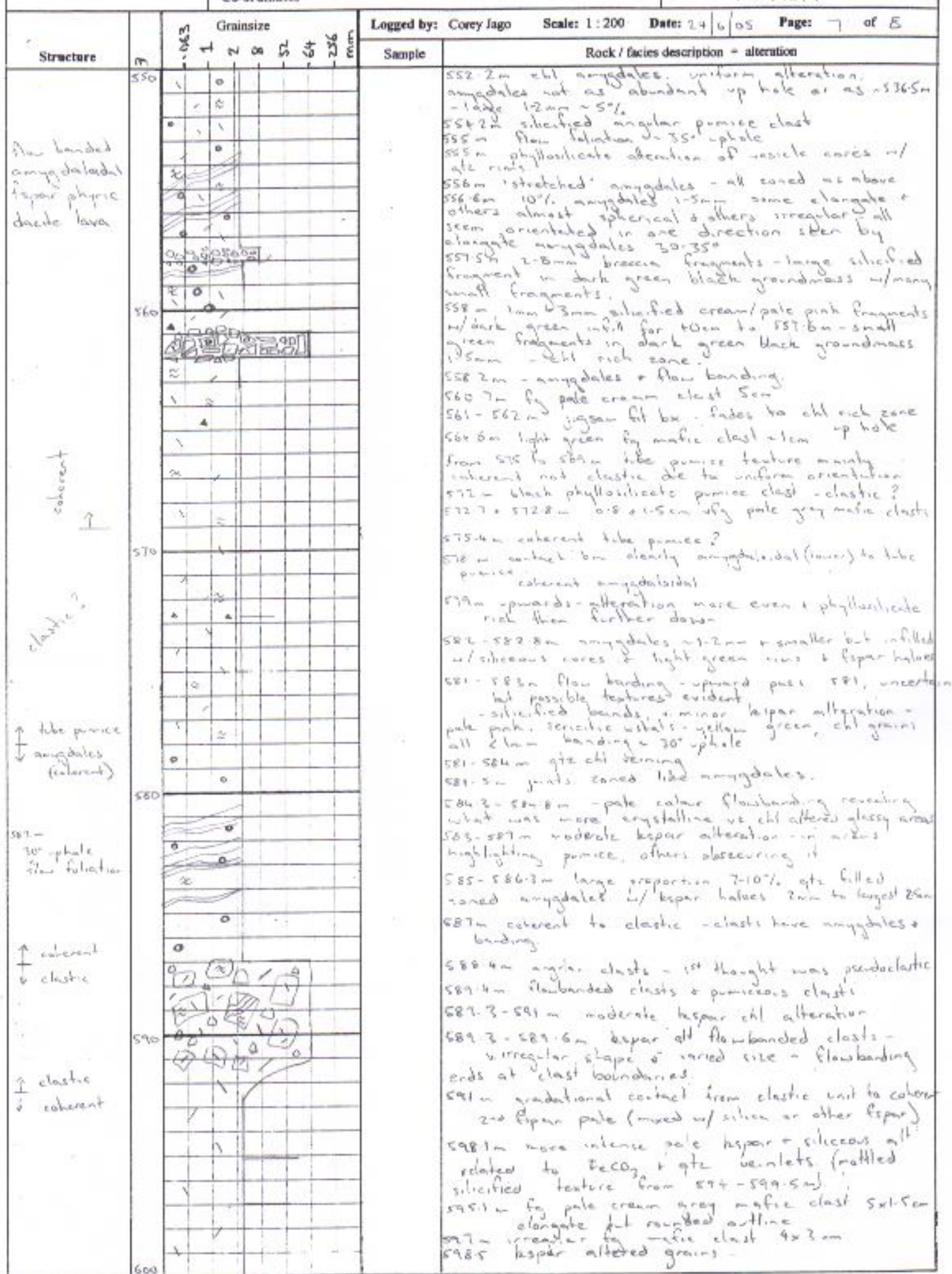
Drill hole no. WSP 10A

Logged by: Corey Jago Scale: 1:200 Date: 24/6/05 Page: 5 of 8

Structure	Elev	Grainsize						Sample	Rock / facies description + alteration
		0.063	1	2	0.5	32	64		
all gradational boundaries	450								poorly sorted bx. bx = dissem sulphides mottled alteration texture grey pale green arcuate mottled - variable alteration - silicification & phyllosilicate. xstals vs black phyllosilicate domains
	460								457.2m tube pumice clasts 457.7m dissem sp ~ 1% 459.3m tube pumice clasts 1-2mm some up to 6cm (silicified & 2nd fspar) (461.1m) 460m - p. clastic appearance evident & more pumiceous - fine tube pumice, less perlitic domains (sample at 457m classic example - tube pumice bx) small bright apple green grains ~ 1mm white grains scattered in dark green/black groundmass 464.2m lg green mafic(?) clast 3cm 465m mottled texture decreases to white silicified bands
460 pumice bx									468m more pumiceous (coherent) 468.7 - tube pumice aligned (coherent)
upper c 468 pumiceous domains									470m 2-3mm fspar white sub angular - sub rounded ~ 7% 474m subrounded mafic clasts (81cm) cream pumice visible in silicified bands
up to 468 coherent									475.9m perlitic - chl fractures (tiny) & small fspar artals (fine) 477.2m 5x3cm equant w/ weakly banded creamy grey mafic chert silicification domains present as bands & mottled also sericitic(?) light green alteration as above to silicification CO2 spotting throughout
pumice & perlitic coherent									480m squashed pumice clasts numerous qtz veining
	480								485m 7% fspar ~ 2-3mm sub angular - sub rounded & white 2nd fspar in perlitic smaller ~ 1mm
									490m - dark compressed phyllosilicate altered pumice bands w/ large content of xstals - squashed pumice
perlitic									492m sub angular white fspar 2-3mm 7% siliceous vs chl alteration - mottled - looks pseudoclastic
coherent									495m granular texture of small fspar network perlitic chl altered perlitic
	500								499.5m & downwards 10m of clastic material

GRAPHIC LOG		Location Co-ordinates	White Spur	Drill hole no.	WSP10A
		Logged by: Corey Jago		Scale: 1:200	Date: 24/6/05 Page: 6 of 8
Structure	m	Grainsize 0.063 1 2 8 32 64 256 mm	Sample	Rock / facies description + alteration	
	500			<p>499m to ~511m quite altered fspar - light green sericite + chl + SiO₂ selective but pervasive. closed framework of fspars - perlite, more chl altered fractures. 504.5m perlite shown by siliceous alteration 508.7 + 508.9m 2cm by mafic clasts. 509 + 509.2m monomitic bx fragments vary in size from mm to cm (up to 46cm) angular + irregular shapes dark green fragments in cream grey silicified matrix. after 509.2m clast boundaries hard to distinguish.</p>	
	510			<p>518m pumice + perlite - black phyllo altered? 518.2m 5cm yellow brown cream mafic clasts. 518.4 - 521.5m intense patchy silicification, pumice evident but usually dark green to black. 521.5 - 527.2m - altered texture changes to light green sericite</p>	
	520			<p>527.6m bx to 530m altered xstals light green + black coarse perlite texture i.e. hyaloclastite clasts 15x15cm max, mostly cm in size green brown fragments w/ chl infill(?) / cement. Some fragments have large amount of interlocking texture - perlite py present also, amygdaloids in clasts. 529.5m amygdaloids + 2mm wispy black pumice</p>	
	530			<p>hyaloclastite bx - coarse perlite 0.5 - 1mm 530m 5mm amygdaloids 4cm qtz phryic rhyo clast (!?) 1-3mm white fspar. phyllosilicate alt at 528.4 - 528.8, 530.6 - 530.75m 527 - 561m numerous x-cutting qtz veins at 532.5, 534.8, 534.5, 534, 534.6. 534.7m 5-8mm zoned amygdaloids. 531.5m fg mafic lithic (3cm) 532, 536 to 547m more sorting of fspar - porphyritic amygdaloids at 533.2 535.3 537 537.8m</p>	
	540				
	550			<p>1-2mm white subangular fspar xstals 10-15% some lath like others subrounded (quite uniform) + taggrains according to fspars + uniform alteration (silicified here more than downhole) pervasive combination of chl + silic - uniform overall texture - less amygdaloids</p>	

WSP10A



GRAPHIC LOG		Location White Spur		Drill hole no. WSP10A			
		Co-ordinates		Logged by: Corey Jago			
		Scale: 1:200		Date: 24/6/05			
		Page: 8 of 8					
Structure	E	Grainsize					
		0.063	1	2	8	52	64
		mm					