

GRAPHIC LOG

Location
Co-ordinates

White Spur

Drill hole no.

WSP 12

Logged by: Corey Jago

Scale: 1:200

Date: 23/5/05 Page: 1 of 8

Structure	Grainsize mm	Sample	Rock / facies description + alteration
	0.063 1 2 8 32 64 256 mm		
	0		0-10.2 m broken core + weathered.
	10		sulphide bearing grey mudstone w/ fine grained sst laminae + sulphide laminae
	20		CO ₂ veining
	30		22.9 + 23.4 m - deformed qtz CO ₂ sulphide veins. 24 m fg sst laminae sulphide laminae (~25 m) sub parallel CO ₂ veining to bedding py + sp as laminae, veinlets and grains ~10% sulphides.
	40		30.9 m siderite vein w/ py (same as in CVC) x-cutting qtz + CO ₂ veining. more sulphide laminae (~35 m).
	50		45-47 m CO ₂ sericite sp veining ~47 m grades to bk mineralised mudstone. 46.9 m - bx - due to veining? - 5mm sp + gr grains ~5% large amount!! 47.3 m - sp CO ₂ sericite veining 47.35 + 47.4 m - 1mm grained sst - sp (3%) fsp + qtz 47.7 + 47.8 m - flame + lobe structures 48.2 m pods + irregular lenses of fg sst ~ interfingering? 48.4 m - 3mm py grain 48.5 m - contact 48.6 m 1 cm sp clasts (elongate) 3mm py 1mm fg sulphide blebs

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Structure

F

Grainsize

1 2 3 5 10 20 40 60 100 mm

Sample

Rock / facies description + alteration

67.4 - 69.7m
broken core

50.2m - <1mm to 1mm fspar oqtz w/ 3mm py
~51m 1mm ellipsoidal blebs (similar downhole) but py
51.2m xstals in sediment - 2-3mm fspar
pumice clasts at 52.2 53.3 53.4 53.5 - sericite
groundmass + 1-5mm qtz & fspar
53.8 & 54.6m - 2mm fspar xstals in a patch (isolated)
associated w/ veinlets or altered pumice?
54.7m flame & lobe structures
55m fuchsite veining? green colouring
~56m - silicified brown staining - x-cutting CO₂ +
sericite
58-60m - CO₂ + sericite spotting
61m - higher CO₂ content → brown staining
62.5m numerous x cutting veinlets
CO₂ sericite anastomosing veining sub parallel
to core axis
72m - xstals less than 1mm
med blue massive volcanoclastic vfg sst
77m xstal rich w/ phyllo bk pumice clast
pyrite clasts must 2mm max 5mm (76.2m)
80.4m decrease in lithics
sp mineralisation / clasts <1mm
CO₂ sericite chl veining
1cm weathered massive sulphide clast? - orange halo
mudstone lithics angular and up to 7cm
massive fspar qtz phyrice pumiceous coarse grained
sst massflow
v. xstal rich matrix
qtz clear 1-3mm sub rounded sub angular 10-15%
cream white fspar 1-3mm sub angular 15-20%
sericitic pumice - brown green & black
py & sp <1mm ~ 1% (disseminated)
lithics -
cream qtz phyrice rhyolite
grey smokey (1cm) volc clasts
white volc sub ang clasts
bk mudstone
86.2m contact - hard to distinguish
86.3-86.7m silicified top to fg sst unit
88.5m sulphide bearing (3% sp & py) heavily veined
mudstone intraclast or bed? interval w/ silicified
top below sst intermingled w/ fg sst - soft sediment
deformation?
fg sst - CO₂ sericite veinlets
- 0.5mm sub rounded - sub angular clear qtz & cream fspar
89.6-92.3m - 1mm ellipsoidal metallic pods ~ 3% - fg
sulphides - all aligned sub parallel to core axis
w/ fabric
93.7-93.9, 94, 94.2, 94.4 - pumice clasts (1-5mm)
95.6m - CO₂ sp veining
96.5m - small (5mm) flattened pumice clast w/ 3mm fspar
96.6 & 96.9m - CO₂ veining w/ sp
97.9-98.3m - pumice clast - sericitic & fspar altered
to qtz
98.5m - 5mm fspar sericitic pumice clast - fspar > qtz
99m - 4mm fspar in sericitic pumice clast
3-5mm qtz grains
grey metallic mineral in veinlets w/ sericite and on joints
as fibrous habit ~ ? sulphide - seems weathered

GRAPHIC LOG		Location Co-ordinates		Drill hole no. WSP12	
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		Logged by: Corey Jago		Scale: 1:200	Date: 23/5/05 Page: 3 of 8
Structure	Grainsize 1 2 8 32 64 256 mm	Sample	Rock / facies description + alteration		
			103.1m sp CO ₂ veinlet - layered		
			108-110m bx (similar to lower) sub parallel veining		
			104.4m sst bed. 1mm qtz & fspar & pumice qtz 7%, fspar 5%, bk pumice 3%. some green fspar - sericitic		
			water settled pumice clasts at 107.5 107.6 107.8 109.5. sericitic groundmass & fspar & qtz (1-5mm).		
			117-117.1m - pumice clast		
			118-118.2m pumice clasts fspar phyrice 2-3mm associated w/ CO ₂ vein & brown soft sericitic alteration		
			massive volcanoclastic vfg sst/siltstone with fg sst weak to moderate medium blue grey <u>laminar</u> silicification dark green chlorite in some veining.		
			122.1-122.6m - anastomosing subparallel veining giving pseudobx texture. x-cutting sericitic CO ₂ veinlets. (120-137m) - this seen up hole at 108m		
			137.5-138m 1mm bk lithics		
			138.4-138.5m several small sst laminae (2mm grains)		
			138.7m - irregular pods & bands of fg-medium grained sst 0.5-1mm qtz fspar & pumice		
			140m py veinlets & brown associated alteration - sericitic		
			144m - pumice clast - 3mm qtz fspar		
			x cutting qtz CO ₂ chl veining throughout		
			fg sst beds 0.5mm qtz		
145-145.5m broken core					

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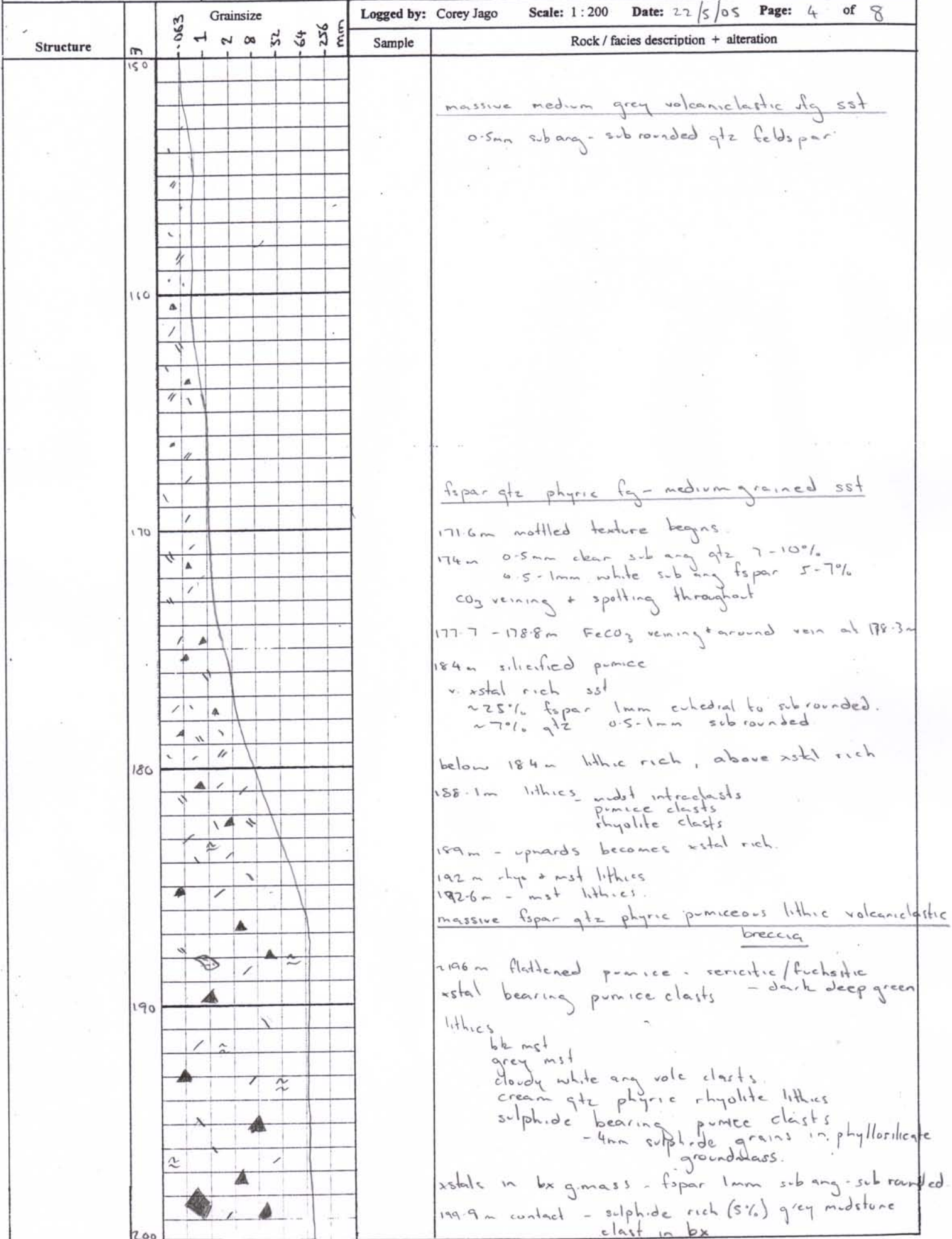
WSP12

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Structure

Grainsize

Sample

Rock / facies description + alteration

307.6 - 308 m
broken core.

300-305m diffusely banded ksp + chl alteration
at 307.1 307.2 307.3 307.4 307.5
qtz veining
irregular vein from 307.3 to 307.4m

305.9 - 310.6 m gtz CO_2 chl veining in
mostly kspar altered rock + broken core

~ 311 m kspars vs black green chl alt

311.5 m gtz reining
at 311.8 m.

317.5m large 30 cm sericitic pumice clast
w/ chl + ksp

319.6m, intense salmon pink pervasive lsspar
alt w/ chl veining.

322.9m pink ksp. alteration appears as selective but pervasive alteration in diffuse bands & patches.

333.2 m 8mm cream s.b rounded lith.c

333.7 m altered lith. (lcn - light green
- fuchsinite?)

numerous chl veining

massive - no visible orientation

small 0.5-1mm black grains

paper 1-3 mm white sub rounded to angular to equant / euhedral

~15-20%.

pumice silicified and sericitic
up to 1 cm 5%

338.3 & 340.2 m 3cm cream alteration
domain - fsp - silicified (?)

CO₂ spotting
black green phyllosilicate domains
green cream yellow domains
(sericitic CO₂ silicified?)

cream blue grey domains - silicified clasts?

1 mm grains py \gg sp \sim 1% sulphides.

