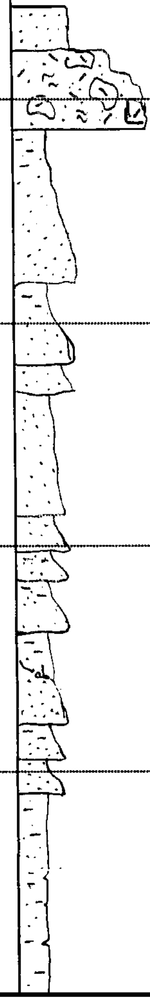
ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 13 / 4 /2006

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log	
0	N.C.	-	0-3.0 No CORE	-	-		-			HQ.
	SESA	med gy.	3.0-3.8m FINE GRAINED QTZ-LITHIC SANDSTONE	-	-					
	CFMF	pk gy y orange	3.8-5.8m FSP PHYRIC PUMICE LITHIC BRECCIA. Pinkish grey to yellowish orange, poorly sorted, fsp phyric, x-stal, pumice lithic breccia to mass flow	ab (1)	-					
10			5.8-20.5m GRADED QTZ-LITHIC SDST TO SILTSTONE. Medium grey, medium bedded to laminated, well sorted, graded f.g-m.g qtz-lithic sandstone to laminated siltstone. Fining uphole. Cycles vary from 0.4m-2.5m. Basal contacts highly irregular.	-	-		-			Broken core
15	SSSI - SSSA	med grey.	Trace pyrite as small blebs & diss & small blebs on margins of cb veins & veinlets. Sporadic intervals are strongly broken, particularly siltstone intervals. Weak leucoxide staining on fractures & veinlets.	-	py: trace	14.0m BE 20° to l.c.a.	-			Broken core
20			Cb-py veins & veinlets from ~15m. Broken lower contact marked by absence of m.g sandstone beds.	-	py: trace.	19.7m. BE 30° to l.c.a	cb (1)			
25	SSSI	med grey.	20.5-38.4m MEDIUM BEDDED TO LAMINATED SI SI. Med grey, medium bedded to laminated, well sorted, weakly graded, v.f.grained sandstone to laminated siltstone. Similar to interval above but without f.g-m.g qtz-lithic sandstone basal lithologies.	-	py: < 1%	23.0m. BE 45° to l.c.a. 24.3m. VN (cb) 80° to l.c.a	cb (1)			Broken core

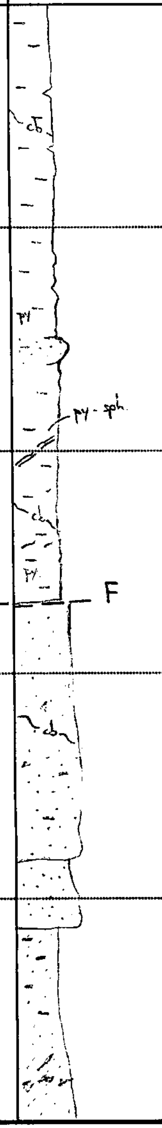


ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 13 / 4 /2006

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log	
25–30			20.5 - 38.4m MED BEDDED TO LAMINATED SLST. Medium grey, medium bedded to laminated, well sorted, v.f.g sandstone to laminated siltstone. As above. Minor mudstone lithic fragments. Laminated beds typically dk grey to blk, planar to weakly irregular.	-	py : trace	26.9m BE 42° to l.c.a	cb (1)			
30–35	SSSI	med. grey.	Minor cb veinlets, increasing downhole & becoming assoc. with weathered sulphides. Trace to minor py as scattered blebs & disseminations & small blebs assoc. with cb veinlets, increasing downhole. From ~ 29.5m, pyrite also as [illegible].	-	py : 1-2% sph : trace	32.9m . BE 30° to l.c.a	cb-sulphide (2)			
35–38.4			Py + sph +/- galena veins & small stringers, typically weathered & fe-oxide stained. Lower contact is broken, probable fault.	-	py 1-2% sph : trace 38.4m	36.8m . BE 5° to l.c.a	cb-sulphide (2)	38.4m, 0.2m		
38.4–40			38.4 - 96.4m. GRADED M.G LITHIC SDST - SILTSTONE		py : trace		cb (1)			
40–45	SESA - SSSI.	med. gy.	Medium grey, medium bedded to thickly bedded, [illegible] graded cycles of [illegible] sdst to [illegible] lithic sdst to minor siltstone. Coarser sdst intervals contain irregular slst/mudstone lithic clasts, typically <1cm but locally up to 10 cm. Bedding typically irregular. Upward fining.	-	py : trace		cb (1)			
45–50			Minor cb veins & veinlets Trace disseminated pyrite.	-	py : trace		cb (1)			50.0m



SURVEY @ 40m : -74° ⇒ 262 9 MAG

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 13 / 4 /2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
50	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
			36.4 – 96.4m. GRADED M G LITHIC SDST TO SLST	-	py : trace	52.3m BE 10° to l c.a.	cb (1)			NQ ↓ Ballmarked oriented core ↓
55										
			As above. Medium grey, medium bedded to thinly bedded, broadly graded cycles, f.g.m.g lithic sandstone to siltstone. Cycles typically 2m - 8m thick. Lithic clasts typically elongate blk mudstone / siltstone fragments 5mm - 10mm. Locally larger intraclasts, typically sist, up to 10 cm	-	py : trace		cb (1)			
60										
	SESA – SSS1	med grey	Minor cb veins & veinlets. No obvious preferred orientation.	-	py : trace	60.2m BE 25° to l c.a.	cb (1)			
65										
			Moderately competent core (2.5 b.p.m). Minor broken zones @ 52.0m, 60-61m, 67.1-68.2m, Trace pyrite as sporadic blebs & disseminations.	-	py : trace		cb (1)			
70										
				-	py : trace.		cb (1)			
75										

SURVEY @ 70m. -72.6° ⇒ 261.9 MAG.

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 13 / 4 /2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
75	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
			38.4 - 96.4m. GRADED F G - M G LITHIC SDST TO SLST	-	py: trace		cb (1)			
80										
			As above. Medium grey, medium bedded to thinly bedded, well sorted graded cycles from fine grained lithic sdst to siltstone. Similar to above but cycles generally thinner (0.5m - 2m) & basal beds less coarse	-	py: trace	84.2m BE 65° to 1 ca	cb (1)			
85			Generally, lithic fragments in coarser layers < 5mm.							
	SESD - SLST	med. grey	Minor planar cb veins & veinlets.	-	py: trace		cb (1)			
90			Trace py as sporadic disseminations & rare blebs & on fracture surfaces							
			Trace po as small blebs aligned along S_1	-	po: trace py: trace	92.0m. BE 64° to 1 ca	cb (1)			89.1m S_0: 43° ⇒ 118 S_1: 56° ⇒ 025
95			Lower contact marked by last fg. mg							
			96.4 - 127.1m. THIN BEDDED TO LAMINATED SILTSTONE	-	py: trace	97.1m. BE 68° to 1 ca	cb (1)			
	SSS1	dk gy - blk.	Dark grey to black, thin bedded to laminated sst/mudst. Minor cb veinlets. Trace diss py.							
100										

Survey @ 100m : 270° ⇒ 262

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 13 / 4 /2006

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log	
100–105			96.4–127.1m. THIN BEDDED TO LAMINATED SLST & PYRITIC MUDSTONE Dark grey, thinly bedded to laminated, siltstone to black, pyritic mudstone. Mudstone to slst variable but generally 75:25.	–	Py: 2-3%		cb (1)		PY	
105–110			Minor pyrite (2-5%) as diss & small blebs, blebby aggregates, veinlets & fg laminae. Minor cb veins & stringers.	–	Py: 3-5%	105.7m [illegible] / 80° to l.c.a	cb (1)		PY, cb, PY	
110–115	SSS1	dk grey blk.	Broken core zones @ 100.5m, 102.0–102.5m, 103.0m, 112.5–113.4m, Elsewhere moderately competent core (2-6 b.p.m)	–	Py: ~2%		cb (1)		PY	
115–120				–	Py: 2-3%	118.1m. BE / 70° to l.c.a	cb (1)		cb, PY	
120–125				–	Py: ~2%	122.5m. BE / 67° to l.c.a	cb (1)		PY, cb	122.0m. So: 14° ⇒ 211

Survey @ 100m. −70.9° ⇒ 262.2 Mag

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 12 /4 /2006

Depth	Lithology Code	Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log
125	SSS1	dk gy blk	96.4 - 127.1 m. THIN BEDDED TO LAMINATED PYRITIC MUDSTONE & SILTSTONE. As above						
130			127.1 - 180.0 m. GRADED VOLCANICLASTIC MASS FLOW. Massive, single emplacement unit, well sorted & well graded. Comprises three [illegible] units.	-	PY : trace	128.4 BE 35° [illegible]	qtz.cb (1)		
135			1/. 127.1 m - 144.0 m. [illegible] SST. Med-light grey to light olive grey, laminated to massive, siliceous, volcaniclastic siltstone to very fine grained to fine grained (qtz fsp?) volcaniclastic sandstone. Weak sericite alteration. Minor coarse grained	ser (1)	-		qtz.cb (1)		
140	CSS1	l/med grey - olive grey	qtz-fsp crystal aggregates, probable altered pumice clasts (ie: 134.7 m). Top contact disrupted by moderate cleavage. Fining upwards. Minor qtz-cb veins & veinlets	ser (1)	-		qtz.cb (1)		
145			Trace f.g pyrite near upper contact. Gradational lower contact. 2/. 144.0 - 168.0 m. QTZ-FSP XSTAL SST	ser (1)	-		qtz.cb (1)		
150	CFSA	y grey - gr grey	Yellowish grey to greenish grey, massive, well sorted graded ([illegible] upwards), f.grained to coarse grained, qtz-fsp phyric volcaniclastic sandstone. Weak sericite alteration. Trace diss pyrite. Minor qtz +/- cb veining.	ser (1)	PY : trace		qtz (1)		

Survey @ 150 m [illegible] -69.6° [illegible] 200.6

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 14 / 4 /2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
150–155			127.1 – 180.0m. GRADED, VOLCANICLASTIC MASS FLOW 2/ continued from above Qtz fsp xstal sandstone. Yellowish grey to greenish grey, massive, graded, fine grained to coarse grained, qtz-fsp phyric volcaniclastic	Ser (1)	–		qtz (1)			
155–160	CFSA	y-grey – gn grey.	sandstone. [illegible] [illegible] sericitic [illegible]. Minor, sporadic thin qtz veins. Trace blebby sp [illegible] with qtz veining ~158.5–159m	Ser (1)	Py : trace Sph : trace		qtz (1)			
160–165			Minor, [illegible] siliceous lithic clasts, typically 5mm – 15mm, [illegible] ~160m.	Ser (1)	Py : trace.		qtz (1)			
165–170			Gradational lower contact. 3/. POLYMICT FELSIC MASS FLOW Yellowish grey to light olive grey, poorly sorted,	Ser (1)	Py : trace Sph : trace		qtz (1)			
170–175	CFMF	y-grey – l. olive grey	massive, broadly graded, polymict, qtz-fsp phyric felsic mass flow. Comprises angular clasts of volc sdst, siliceous, fsp% qtz phyric rock, [illegible] volc. sdst with qtz-fsp [illegible] in a weakly sericite altered matrix. Clast size varies from <1cm to ~30cm.	Ser (1)	Fo : trace Py : ~1% Sph : <1%		cb (1) qtz (1).			

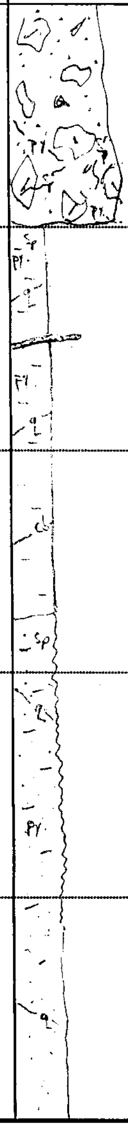
[illegible] ~68° [illegible]

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 15 / 4 /2006

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log	
175–180	CFMF	Voided	127.1 – 180.0m. GRADED VOLCANICLASTIC MASS FLOW As above Poorly sorted, polymict, massive, mass flow. Comprises felsic volcanic, mudstone & sandstone clasts Minor sph as blebs, veinlets & stringers. Sharp lower contact	ser (1)	sph: 1-2% py: ~ 1%	-	cb (1) qtz (1)			
180–185	SSS1	dk gy – blk	180.0 – 188.7m. BLACK SHALE Dark grey to black, weakly bedded, thin to laminated, weak to moderately foliated, variably pyritic black shale / mudstone. Minor [illegible] sandstone & volcaniclastic [illegible] Minor to common qtz & qtz-cb veins & veinlets	-	py: 2-3% sph: < 1% po: trace	180.6m BE 42° to lca	qtz-cb (2)			180.5m S_0 70° ⇒ 121
185–190			Minor pyrite (2-3%) as [illegible] diss, veinlets & blebs Trace po & sph. Gradational lower contact 188.7 – 196.0m VOLCANICLASTIC SILTSTONE Yellowish grey to medium grey, thinly bedded to very thinly	- sil (1)	py: 2-3% sph: trace		qtz-cb (1)			188.2m S_0 22° ⇒ 163
190–195	CSS1		bedded, f.g to very fine grained, weak to moderately qtz-sericite altered siliceous volcaniclastic sandstone to siltstone. Bedding typically < 5cm. Minor qtz-cb veining Trace to minor pyrite in veinlets & blebs. Trace sph assoc. with veining. Gradational lower contact	sil (1) ser (1)	py: ~ 1% sph: trace		qtz-cb			
195–200	CFMF	gr gy – [illegible]	196.0 – 232.0m. GRADED VOLCANICLASTIC MASS FLOW Light greenish [illegible], massive, [illegible] grained [illegible] siliceous volcanic breccia. Trace sph. assoc. with qtz veining.	sil (1) ser (1)	sph: trace	195.8m BE 54° to lca.	qtz (1)			196.0m S_0 40° ⇒ 159



[illegible] @ 190m -68.5° ⇒ 255.1

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 18 / 4 /2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
200			196.0 - 232.0m GRADED VOLCANICLASTIC MASS FLOW							
			Light greenish grey to yellowish grey to pinkish grey, massive, weakly foliated, moderately soft, broadly graded, siliceous volcaniclastic to volcaniclastic breccia. Comprises siliceous v.f.g volcaniclastic silt	sil (2) ser (1)	-		qtz (1)			
205			to ~205.5m, rapidly grading downhole into a v.f.g massive, siliceous volcaniclastic silt. Coarse grained component comprises qtz eyes (2 mm) & 'patchy' siliceous lithic clasts (1 - 2 cm) & weakly sericite altered matrix. Siliceous clasts typically 2 x cm.	sil (1) ser (1)	-		qtz (1)			
210										
	CFMF	v gy gn gy	Minor irregular qtz veins. Trace pyrite as f.g diss. from ~210m.	sil (1) ser (1)	py: trace		qtz (1)			
215										
			Rare trace sph as small blebs assoc. with veining	sil (1) ser (1)	py: trace sph: trace		qtz (1)			
220										
			Weak albitic alteration from ~220m	sil (1) alb (1) ser (1)	py: trace		-			
225										

Survey @ 220m -68° > 257°

ZINIFEX ROSEBERY MINE
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DIAMOND DRILL HOLE LOGGING

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Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 18 / 4 /2006

Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
225									
	CFMF	V gy – pr gy	196.0 - 232.0m. GRADED VOLCANICLASTIC MASS FLOW As above. Yellowish grey to pinkish grey, massive, weakly foliated, moderately veined < 2% of rock, volcaniclastic breccia / mass flow. Siliceous lithic clasts < 1cm in an albite-sericite altered siliceous matrix. Pumiceous toward base. Sporadic trace py as fg diss & small blebs.	ser (1) alb (1)	py : trace		qtz (1)		
230									
	Mixed.	m – rd	232.0 – 234.2m Mixed interval of qtz + fsp phyric volcaniclastic schist + breccia + massive cb + qtz-cb veins. Trace sph+ga assoc with veining.	cb (2)	sph+ga : trace		cb (2) qtz-cb (2)		
235									
			234.2 - 254.2. FSP PHYRIC PUMICEOUS CANDSTONE. Olive grey to reddish orange, massive, weakly foliated, moderately veined. fsp phyric, pumiceous, xstal - lithic volcaniclastic sst. Comprises fsp +/- qtz xstals + irregular tube pumice fragments (typically < 5mm) in a siliceous, weakly sericite altered matrix	ser (1)	po : trace py : trace		-		
240									
	CFSA.	olive gy – reddish orange	Rare cb & qtz cb veining Rare py as fg disseminations	ser (1)	py : trace		cb (1)		
245									
			Rare trace po as sporadic blebs Weak albite alteration from ~ 245m.	ser (1) alb (1)	py : trace.		qtz-cb (1)		
250									

Core @ 250m ~67° @ 207.5°

ZINIFEX ROSEBERY MINE
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DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
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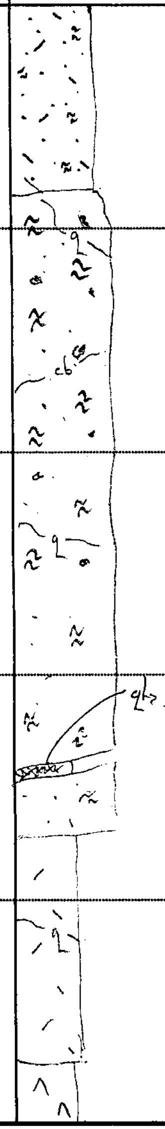
Year 2006	Prospect
Geologist Mick Skirka	Date 18 / 4 /2006

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults
250	CFSA		234.2 – 254.2m FSP PHYRIC PUMICEOUS SANDSTONE As above. Olive grey, massive, fsp phyric, pumiceous sandst. Trace f.g. diss. pyrite Competent core. Gradational lower contact.	ser (1)	py: trace	253.5m BE / 56° to lca	-	
255			254.2 – 268.0m. FSP PHYRIC PUMICE BRECCIA. Olive grey to greenish grey, massive, weakly foliated, variable fsp phyric, siliceous, pumice breccia. Comprises irregular & variable sericite-chlorite altered pumice fragments in a siliceous qtz-sericite altered matrix. Minor cb & qtz veining. Larger qtz vein @	ser-chl (1)	py: trace		cb (1) qtz (1)	
260	CFMF		266.9, 267.1m & 267.3 – 267.5m. Rare trace py as small blebs & f.g. disseminations. Competent core 2-5 fpm.	ser-chl (1)	-		qtz (1) cb (1)	
265			Abrupt but diffuse lower contact.	ser-chl (1)	-		qtz (2)	
			268.0 – 273.6m. SILICIFIED, FSP PHYRIC ROCK Light olive grey to pinkish grey, massive, unfoliated, siliceous,	sil (2)				
270	XFXX	olive grey – pinkish grey	weakly fsp phyric, felsic lava or altered fsld pumice sandstone / breccia. Has coherent appearance but has gradational upper contact. May be silicified version of above (?) Minor qtz & qtz-ser veining. Planar, sheared lower contact.	ser (1) chl (1)	-	273.6m CT / 35° to lca	qtz (1) qtz-ser (1)	
275	VIAN – VMBR		273.6 – 280.2m MAFIC DYKE (?) See over.					

Graphic Log:



ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 9/4/2006

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log
275–280	VIAN – VMBA	greenish grey	273.6–280.2m MAFIC DYKE (?) Light to medium greenish grey, massive, weak to moderately foliated, [illegible], fsp phyric, f.g., mafic dyke (?) containing [illegible] 'chicky' [illegible], [illegible], qtz filled vesicles (?). Weak chlorite alteration. Minor cb & qtz-cb veins & stringers. No sulphides observed. Sharp upper & lower contacts.	ser (1) chl (1)	–	280.2m CT 45° [illegible]	cb (1) qtz-cb (1)		
280–285	CFSA	pinkish grey – l. olive grey	280.2–285.6m FSP PHYRIC XSTAL SANDSTONE. Pinkish grey to light olive grey, massive, weakly foliated, fsp phyric, pumiceous sandstone. Comprises albitised fsp phenocrysts (1-2mm) & subtle, sericite-chlorite altered pumice fragments in a qtz-sericite altered matrix. No sulphides observed. Rare cb-chl veinlets. Sharp, planar lower contact.	qtz-ser (1) alb (1) ser-chl (1)	–		cb-chl (1)		
285–287.6	VIAN – VMBA	greenish grey	285.6–287.6m MAFIC DYKE (?) Light to medium greenish grey, massive, weak to moderately foliated, f.g. intermediate-mafic dyke (?). Distinct granular texture with 'chicky' [illegible]	ser (1) chl (1)	py: trace	285.6m CT 35° [illegible]	cb (1)		
287.6–290	CFSA	pinkish grey – l. olive grey	287.6–290.3m FSP PHYRIC, PUMICEOUS XSTAL SDST. As per 280.2–285.6m. Fsp phyric, pumiceous xstal sdst. Minor cb-chl veinlets. Sharp lower contact.						
290–292.9	VIAN – VMBA	greenish grey	290.3–292.9m. MAFIC DYKE. As per mafic dykes above. Fine grained, massive, weak to moderately foliated. Contains small xstal sdst interval 291.2–291.5m.	chl (1)	–		cb (1)	Broken @ 291.7m	
292.9–295			292.9–300.8m FSP PHYRIC PUMICEOUS XSTAL SDST. Light olive grey, massive, weakly foliated, fsp phyric, pumiceous	alb (1)					
295–300	CFSA	l. olive grey	xstal sandstone. Weak albite alteration becoming weak-moderate sericite alteration downhole. Bleached mafic dyke @ 298.45–299.0m. Minor to rare cb & qtz-cb veins & veinlets. No sulphides observed. Gradational lower contact.	ser (1)	–		qtz (1) cb (1)		

Survey @ 286m - [illegible] [illegible] 255 ?

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 19 / 4 /2006

Depth	Lithology Code	Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults	Graphic Log
300–305	CFSA	[illegible]	292.9 - 300.8m FSP PHYRIC, PUMICEOUS & SILICA SDST. 300.8 - 312.1m. PUMICEOUS & SILICA SDST - PUMICE BRECCIA Light olive grey to greenish grey, massive, weakly foliated, fsp phyric pumice breccia to pumiceous sandstone. Similar to sandstone intervals above but with higher proportion of recognisable pumice fragments	qtz-ser (1) ser-chl (1)	-	-	-		
305–310	CFSA - CFMF	lt ol gy - gr gy	Weak qtz-ser & ser-chl alteration. Rare wispy sericite veinlets. No other veining. No sulphides observed Generally competent core.	qtz-ser (1)	-	-	-		
310–315	VIAN - VMBM	gr gy	Sharp irregular lower contact. 312.1 - 315.2m MAFIC DYKE (?) Light to med greenish grey, massive, weakly foliated, generally f.g mafic dyke (?). Similar to mafic dykes above. Minor cb veins & veinlets.	chl (1)	-	-	cb (1)		
315–320	CFMF	olive gy - gr gy	315.2 - 401.2m. FSP PHYRIC PUMICE BRECCIA Olive grey to greenish grey, massive, weak to moderately foliated, weakly qtz-sericite altered, fsp phyric pumice breccia. Comprises scattered fsp phenocrysts, siliceous lithic	qtz-ser (1)	-		-		
320–325			clasts & common pumice fragments, in a wispy sericite altered matrix. Rare qtz-cb veinlets. No sulphides observed	qtz-ser (1)	-		qtz (1)		

[illegible]

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 29 / 4 /2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
325	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
			315.2 - 401.2m. FSP PHYRIC PUMICE BRECCIA Olive grey to pinkish grey, massive, weak to moderately foliated, weakly qtz-ser & silica-albite altered, fsp phyric pumice breccia. Similar to above	qtz-ser (1) sil-alb (1)	-		qtz (1)			
330										
			Scattered to abundant fsp phenocrysts (1-2mm), siliceous lithic fragments (to 10cm) & abundant pumice fragments (typically 1-2 cm, locally to 10 cm). No obvious bedding or internal structure. Sporadic large qtz veins (1 - 10 cm) with no obvious	"	-		-			
335										
	CFMF	pink gy - olive grey.	preferred orientation No sulphides observed	"	-		qtz (1)			
345										
			Moderately competent core (1 - 5 b.p.m) Broken core @ 336.9 - 337.3m & 337.8m. Moderately broken @ 346.2 - 348.3m	"	-		-			
350										
				"	-		qtz (1)			

Survey @ 340m -61.2° ⇒ 292 G

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
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Year 2006	Prospect
Geologist Mick Skirka	Date 29 / 4/2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
350	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
			315.2 - 401.2m POORLY SORTED PUMICE BRECCIA. Light reddish orange to light olive grey, massive, weakly foliated, weakly bsp phyric, weakly silica-albite & qtz-sericite altered pumice breccia.	silica-alb (1) qtz-ser (1)	-		-			
355										
			Similar to above. Poorly sorted. Predominantly pumice fragments, variably bsp phyric, in a silica-albite & qtz-sericite altered matrix		-		qtz-cb (1)			
360										
	CFMF	red-orange & olive gy	Sporadic qtz veining & qtz-cb veinlets. Albite altered matrix 'vein'/dykes @ 355.25 - 355.3m & 355.8m - 356.4m.		-		-			
365										
			No sulphides observed. Moderately competent core (2-5 bpm) Minor broken zones @ 355.3 - 355.8m, 357.9, 359.0 - 359.4m		-		-			
370										
					-		qtz (1)			
375										

Survey @ 376m -60° c/y 252.2

ZINIFEX ROSEBERY MINE
SURFACE EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID WSP15	Project White Spur
Hole_Type DDH	Tenement_No. EL5/1996
Year 2006	Prospect
Geologist Mick Skirka	Date 29 / 4 /2006

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
375	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
			315.2 - 401.2m. Poorly Sorted Pumice Breccia.							
			Reddish orange to light olive grey, massive, weakly foliated, poorly sorted, weakly fsp phyric, weak to moderately qtz - albite +/- sericite altered	qtz-alb-ser (1)	-		qtz (1)	376.7m. FT 50° to lca		
380										
			pumice breccia Similar to above.	"	-		-			
			Minor qtz & qtz-sericite veining							
385			No sulphides observed.							
	CFMF	red orange - olive grey	Small fault @ 376.7m.	"	-		qtz-ser (1)			
			Generally competent core (1-4 bpm)							
390										
				"	-		qtz-ser (1)			
395										
				"	-		qtz-ser (1)			
			EOH @ 401.2m.							
400										

401.2m
EOH.