RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	WSP11	**DRILLED BY**	Almac
PROJECT	White Spur	**NORTHING**	5362558.12
PROSPECT		**EASTING**	376547.45
DESIGNED BY	M Vicary	**RL**	625
LOGGED BY	M Vicary	**INCLINATION**	-60
COMMENCED	8/12/97	**AZIMUTH**	090
FINISHED	7/1/98	**EOH**	292.0

PURPOSE

WSP11 was designed to test the Central Volcanic Sequence - White Spur Formation contact about 800m north of WSP4. It was the first in a series of drill holes to test this contact in the north of the EL.

SURVEY DATA

DEPTH	INC.	AZ.	DEPTH	INC.	AZ.	DEPTH	INC.	AZ.
0	-60	090	74	-60.7	093	173	-61	099
15	-59.1	092	113	-61.3	096	236	-58.7	105
44	-60	094	143	-61.2	097	266	-58	107

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
HQ	0 - 113.7	Hole cased with PVC
NQ	113.7 - EOH	

SUMMARY

Summary Log:-

0 - 82.9	Interbedded greywacke and lithicwacke
82.9 - 109.1	Black Siltstone
109.1 - 125.0	Ashy Siltstone (Graded top of underlying mass flow)
125.0 - 154.0	Qtz - feld crystal rich volcaniclastic sandstone (Graded mass flow)
154.0 - 184.4	Lithic rich base to mass flow horizon
184.4 - 194.2	Black Siltstone
194.2 - 211.5	Ashy Siltstone (Graded top of underlying mass flow)
211.5 - 240.0	Qtz - feld crystal rich volcaniclastic sandstone (Graded mass flow)
240.0 - 241.2	Lithic rich base to mass flow horizon. Minor pyrite clasts.
241.2 - 292.0	Medium grained feldspar phyric pumice breccia. (Central Volcanic Sequnce)

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11 (Summary)

SHEET 1 OF 2

PROJECT :	WHITE SPUR EL 5/96
PROSPECT :	
DATE :	Dec 97 - Jan 98
LOGGED BY :	M Vicary

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL, SER, PY)	GEOLOGY NOTES	SUMMARY (FORMATION, ROCK, ALTERATION)
0						0-3.5 Scree	Qz; SCREE
10						3.5-82.9 Interbedded f-m grained greywacke and lithwacke	
20							
30							
40							CHG; LWAC
50							
60							GWAC
70							
80						82.9-109.1 Black Siltstone	
90							
100							CHSS; SILT
110						109.1-125.0 Ashy Siltstone fine top of mass flow unit 109.1-184.2	
120							VDFA
130						125.0-154.0 f-m gr feldspar-quartz phyric crystal rich volcaniclastic sandstone	
140							CHX; VRLX
150							
160						154.0-184.2 Coarse lithic rich base of mass flow unit 109.1-184.2 m.	
170							VRLC
180							
190						184.2-190.2 Black Siltstone	
200							CHSS; SILT

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11 (Summary)

SHEET 2 OF 2

PROJECT :	WHITE SPUR EL 5/96
PROSPECT :	
DATE :	Dec 97 - Jan 98
LOGGED BY :	M Vicary

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL, SER, PY, CARB, PINK ALB.)	GEOLOGY NOTES	SUMMARY (FORMATION, ROCK, ALTERATION)
200						184.2-209.2 Ashy siltstone and f gr ashy sandstone	CHX; VRLX; VRLC
210						209.2-211.5 Rhyolite porphyry in ashy siltstone	
						211.5-217.0 Ashy siltstone	
220						217.0-222.8 f gr vlc sst	
						222.8-240.0 m gr vlc sst	
230							CGWA; VRLM; VRLC
240						240.0-241.2 Lithic rich mass flow (some pink clasts)	(CLASTS)
250						241.2-292.0 m gr feldspar phyric dacitic vlc sst	
260							CGV; VDFM; VOLM-DFM; ACL 7b
270							
280							VDFM; ACL 5; VRLC
290						EOH 292.	
300							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP 11

SHEET 1 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	: WHITE SPUR EL 5/96
PROSPECT	:
DATE	: December 97 - January 98
LOGGED BY	: M Vicary

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | LITH | GEOLOGY NOTES | SUMMARY (FORMATION, ROCK, ALTERATION)

0 - 3.5 Poorly consolidated rock fragments + clay

3.5 - 82.9
Interbedded f-m grained greywacke and lithic wacke

3.5 - 21.5 very limonitic

Qt SCREE

Cwg GWAC L-8

REMARKS

RGC EXPLORATION PTY LTD

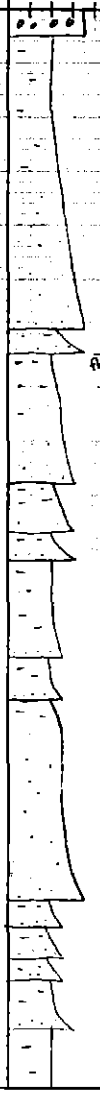
DRILL HOLE No WSP 11

SHEET 2 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | LITH | GEOLOGY NOTES | SUMMARY (FORMATION, ROCK, ALTERATION)



LIMONITIC JOINTS COMMON

Cwg GWAC L-8

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 3 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | LIMONITE | GEOLOGY NOTES | SUMMARY (FORMATION, ROCK, ALTERATION)

40, 1, 2, 3, 4, 5, 6, 7, 8, 9, 50, 1, 2, 3, 4, 5, 6, 7, 8, 9, 60

50.70

50.60

LIMONITIC JOINT SURFACES COMMON

Cgg

GWAC

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 4 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION (SIL. SER. PY.) | LIMONITE | GEOLOGY NOTES | SUMMARY (FORMATION, ROCK, ALTERATION)

60, 1, 2, 3, 4, 5, 6, 7, 8, 9, 70, 1, 2, 3, 4, 5, 6, 7, 8, 9, 80

50.60

50.65

58.0 - 82.9
less tuffaceous, more massive to thickly bedded fine grey siltstone

LIMONITIC JOINT SURFACES COMMON

Cgg

GWAC

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 5 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL. SER. PY.)	GEOLOGY NOTES	SUMMARY (FORMATION / ROCK / ALTERATION)
0							
1			50°65				C19 / CUAC
2							
3						82.9 – 109.1 Thickly bedded black pyritic siltstone with minor sandstone and ashy siltstone horizons indicated.	
4							
5			50°65				
6							
7							
8							
9							
90			50°70 / 51.15				
1							C155 / SILT
2							
3							
4							
5			50°65				
6							
7				slumping			
8							
9			50°65 / 51.10-15				
100							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 6 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL. SER. PY. Hornblende)	GEOLOGY NOTES	SUMMARY (FORMATION / ROCK / ALTERATION)
100							
1							
2							
3							
4			50°70 / 51.5				C155 / SILT
5							
6							
7							
8							VDFA + SILT
9			50°70				
110						109.1 – 109.8 interbedded ashy silt + black siltst	
1							
2						109.8 – 125.0 Ashy siltstone	
3							
4							C49 / VDFA
5							
6							
7						feld qtz phyric tube pumice	
8							
9							
120							

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 8 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL. SER. PY.	GEOLOGY NOTES	SUMMARY FORMATION	ROCK	ALTERATION
50									
1						138.0 – ≈ 154.0 Feldspar-Qtz phyric xtl rich volcaniclastic sandstone			
2									
3									
4									
5									
6									
7								VRLX	
8									
9							CYX		
150									
1									
2									
3									
4						154.0 – 184.2 Lithic rich base to crystal rich massflow unit.			
5									
6									
7								VRLC	
8									
9									
160									

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 7 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
* Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL. SER. PY.	GEOLOGY NOTES	SUMMARY FORMATION	ROCK	ALTERATION
110									
1									
2						122.0 – 123.2 3 Feld-Qtz xtl rich tube pumice clasts up to 8cm thick.	CYX	VRFA	
3									
4									
5						125 – 138 Graded fine – medium grained top of mass flow deposit.			
6									
7									
8									
9									
120									
1							CYX		
2								VRCF	
3									
4									
5									
6									
7									
8									
9								VRLX	
130									

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 9 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION (SIL. SER. PY.)	GEOLOGY NOTES	SUMMARY (FORMATION / ROCK / ALTERATION)
160–190							Cgx / VRCC

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 10 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX 1070	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION (SIL. SER. PY. SPHL)	GEOLOGY NOTES	SUMMARY (FORMATION / ROCK / ALTERATION)
190–200								Mainly rhyolite + siltstone clasts. Some pyrite + pyrite altered clasts.	Cgx / VRCC
								184.2 – 194.2 Predominantly black siltstone with minor ashy siltstone and f gr dacitic vlc sst	Cgx / DSFF
	179	104	42	141					
	180	86	78	48					
	181	100	109	220					
	182	45	797	1324				Qtz-carb-py-sph-galena vein.	Cgs / SILT
	183	57	3336	1.11%					
	184	69	630	809	So .70				
					So .70				
					So 50 (≈)	slumping		194.2 – 204.2 Undifferentiated ashy siltstone and f gr ashy sandstone. Extremely massive units, hard to pick contacts	Cgs / VDFA · VDFP

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 11 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY Formation	ROCK	ALTERATION
200							Cyq	VDFA - VDFF	
210						209.2 - 211.5 Pink ote phyric rhyolitic clasts in white-brown coloured ashy siltstone. Peperite	Cyq / Cp	IRDB / VDFA	A-b
						211.5 - 217.4 Massive grey vitric ash with abundant pale grey devitrification spots. Crackle top of massflow unit 211.5 - 241.2m.	Cyq	VDFA	
220						217.4 - 222.8 f gr vlc sst.	Cyum	VRLF	

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 12 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY Formation	ROCK	ALTERATION
							Cyum	IRLF	
						222.8 - 240 mgr vlc sst			
			5/60						
230							Cyum	VRLM	

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 13 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No (PREFIX 1020)	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY: FORMATION	SUMMARY: ROCK	SUMMARY: ALTERATION
240								260.0-261.2 Lithic rich massflow base. Some pyrite & pyritic clasts mainly dacitic clasts	Cgal's	VRLL	
1								261.2-292.0 (EOH) Mgr feldsparphyric volcaniclastic sandstone. Patchy albite-chl alteration			
2	185	8	40	68							
3	186	9	18	37							
4	187	9	17	40							
5	188	10	-3	23							
6	189	42	-3	42							
7											
8											
9											
250									Cgl	VDSM	AO-6
1											
2											
3											
4											
5											
6											
7											
8											
9	190	8	5	30							
260											

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 14 OF 15

Bedding
Cleavage
Foliation
Fault, Shear
Breccia
Broken core
Disseminated
Massive
Pervasive
Narrow vein
Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No (PREFIX 1020)	Cu	Pb	Zn	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY: FORMATION	SUMMARY: ROCK	SUMMARY: ALTERATION
260	191	14	7	35				260.6-268.0 Zone of pervasive + microveining of carbonate		VDSM	CAO6
1	192	10	-3	32							
2	193	16	-3	33							
3	194	13	21	147							
4	195	8	-3	81							
5	196	8	-3	42							
6	197	9	-3	37							
7	198	7	-3	27							
8	199	13	56	128							
9								269-272 Possible fine gr top to massflow ?? Grading suggests East facing?	Cgl	VDSF-VDSM	
270					50.65						
1											
2											
3											
4											
5											
6											
7											
8											
9											
280											

REMARKS

1020200 = STD

RGC EXPLORATION PTY LTD

DRILL HOLE No WSP11

SHEET 15 OF 15

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT	:
PROSPECT	:
DATE	:
LOGGED BY	:

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION SIL. SER. PY.	Frak Mkle	GEOLOGY NOTES	SUMMARY FORMATION	ROCK	ALTERATION
0										
1										
2										
3										AO-5
4										
5										
6								C-4	VDFM	
7										
8										
9										AO-6
310										
1										
2				EOH = 292m						
3										
4										
5										
6										
7										
8										
9										
320										

REMARKS