Stellar Resources Ltd

EL1/2004 Ramsay, Arthur Dam prospect

Diamond drill hole **AD005**

Collar coordinates (GPS,AMG) 369295mE 5406906mN
RL 642 m (estimate from 1:25000 topo map)
Length 299.8 m
Azimuth (AMG) 105^0
Dip 50^0
Drilled: 26.7.06 - 9.8.06, OME Drilling Pty Ltd
Drill: Mindrill 66, HQ double tube
Logged: Nic Turner

Drillers'	Blocks	Recovery	Geology			Structure		Core Assays		Sample	Ni	Cu	Pb	Zn	Ag	As	Sn	S	Au	Pt	Element
From (m)	To (m)	(m)	From (m)	To (m)	Description	Depth (m)	Alpha^0	From (m)	To (m)	Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
0	2.7	0.50	0.00	24.20	Fine grained, chlorite- and serpentine-altered volcanic or volcani-						AAS	AAS	AAS	AAS	AAS	AAS	XRF	Leco	50 gm FA	50 gm FA	Method
2.7	3.5	0.30			clastic. Colour ranges green to medium grey (?andesite). Clasts	9.3	F 45				10	10	10	10	1	50	10	0.01%	0.01 ppm	0.01 ppm	Sensitivity
3.5	4.5	0.84			angular and up to 40 mm across. Anastomosing foliation. Sparse			150	151	142001	280	30	10	60	1	<100	30	0.04	<0.01	<0.01	
4.5	4.7	0.07			calcite veinlets, trace pyrrhotite. No magnetite.			151	152	142002	260	20	10	90	85	<100	<10	0.02	<0.01	<0.01	
4.7	6.1	1.3	24.2	29.3	Relatively massive, porphyritic andesite with medium grey ground-			152	153	142003	290	40	30	130	50	<100	<10	<0.02	<0.01	<0.01	
6.1	6.7	0.6			mass and chlorite- or serpentine-altered, dark green to black pheno-			153	154	142004	290	70	70	110	6	<100	<10	0.04	<0.01	<0.01	
6.7	7.6	0.8			crysts after ?pyroxene. Contains interbanded, fine grained, soft, pale			154	155	142005	220	20	10	70	1	<100	<10	<0.02	<0.01	<0.01	
7.6	9.2	1.5			grey-green sandstone or tuff.			155	156	142006	210	110	30	70	2	<100	40	0.03	<0.01	<0.01	
9.2	9.8	0.6	29.3	39.7	Strongly foliated, fragmental volcanic or volcaniclastic with fragments	30	ORI F -40	156	157	142007	220	40	<10	50	1	<100	<10	0.02	<0.01	<0.01	
9.8	10.6	0.6			up to 80 mm across that include porphyritic andesite.			157	158	142008	300	190	40	110	9	200	<10	0.03	<0.01	<0.01	
10.6	12.2	1.5	39.7	45.65	Across sharp, foliation-parallel contact into relatively massive porph-			158	159	142009	370	20	10	160	3	200	<10	<0.02	<0.01	<0.01	
12.2	15.2	2.98			yritic 'andesite' that contains angular clasts of porphyritic andesite and			159	160	142010	350	50	60	230	1	300	<10	<0.02	<0.01	<0.01	
15.2	18.2	2.5			grades to interbanded fine grained, pale sandstone or tuff. Facing	44.83	So 35	160	161	142011	190	10	180	270	2	300	<10	<0.02	<0.01	<0.01	
18.2	21.1	3.1			is up hole. Graded units of 'andesite' plus sandstone are probably			161	161.85	142012	360	10	930	260	3	400	10	0.03	<0.01	<0.01	
21.1	24.2	2.9			mass flow units.			161.85	163	142013	370	60	5420	8750	12	5600	150	0.92	1.41	<0.01	
24.2	27.2	3	45.65	48.76	Well foliated, fragmental volcanics or volcaniclastics.			163	164.3	142014	230	10	260	920	2	300	60	0.07	<0.01	<0.01	
27.2	28.8	1.4	48.76	51.5	Interbanded pale, fine- and medium-grained sandstone and 'andesite'.			164.3	164.9	142015	100	3160	5430	139000	45	11100	680	16.0	1.37	<0.01	
28.8	30.2	1.4	51.5	59.75	Across foliation-parallel contact into strongly cleaved, dark			164.9	166	142016	210	70	3150	9220	13	1000	270	1.07	0.08	<0.01	
30.2	33.2	3			green-grey, fragmental volcanics or volcaniclastics.			166	167	142017	120	80	230	590	5	300	130	0.12	<0.01	<0.01	
33.2	36.2	2.86	59.75	71.94	Across sharp contact into relatively massive, fine grained, pale sand-	59.75	So 75	167	168	142018	110	120	1950	2680	8	300	80	0.56	<0.01	<0.01	
36.2	37.2	1.1			stone which grades to andesitic mass flow that contains fragments of			168	169	142019	120	130	120	1000	6	300	70	1.24	<0.01	<0.01	
37.2	38.65	1.4			andesite up to 100 mm across. Facing is up hole.			169	170	142020	60	210	6920	7190	18	100	60	1.08	0.06	<0.01	
38.65	41.15	2.35	71.94	91.9	Strongly foliated, fragmental volcanic or volcaniclastic with fragments	81.2	F 35	170	171	142021	50	280	1120	1670	4	<100	120	0.61	<0.01	<0.01	
41.15	42.2	0.8			of porphyritic andesite and of pale sandstone. Thin calcite veinlets	90.2	F 45	171	172	142022	30	60	6420	8400	11	<100	60	0.99	<0.01	<0.01	
42.2	43.55	1.3			present. Very fine grained, black mineral (?graphite) forms seams in			172	173	142023	30	20	900	3730	3	<100	60	0.50	<0.01	<0.01	
43.55	45.2	1.65			the foliation. Softness indicates talc present.			173	174.45	142024	50	20	190	480	2	<100	90	0.13	<0.01	<0.01	
45.2	48.2	2.85	91.9	112	Relatively massive, andesitic massflow with even grained andesite			174.45	175	142025	40	110	8880	5060	94	<100	130	1.54	<0.01	<0.01	
48.2	51.2	3			and porphyritic andesite. Calcite and sparse grey quartz veinlets			175	176.05	142026	20	480	16200	42400	41	4300	70	0.89	0.57	<0.01	
51.2	54.2	2.9			present with trace pyrite, pyrrhotite and chalcopyrite.			176.05	177	142027	50	90	7460	4770	24	200	90	2.70	0.02	<0.01	
54.2	57.2	3	112	116.4	Strongly foliated, fragmental volcanic or volcaniclastic with black	112	F 20	177	178	142028	50	50	8170	6060	19	200	50	1.26	0.02	<0.01	
57.2	60.2	2.9			mineral forming fine grained seams in the foliation.			178	179.05	142029	50	100	12700	37300	20	<100	150	3.13	<0.01	<0.01	
60.2	63.2	2.96	116.4	126.5	Relatively massive, fragmental, andesitic mass flow. Foliation			179.05	180	142030	100	70	1400	760	7	<100	80	0.87	<0.01	<0.01	
63.2	66.2	2.8			present , but weak. No black seams. Interbedded pale sandstone	119.6	So 20	180	181	142031	200	40	90	270	2	<100	40	0.18	<0.01	<0.01	
66.2	69.2	3			present. Fragments of andesite and pale sandstone up to 90 mm			181	182.18	142032	110	60	160	470	3	<100	30	0.28	<0.01	<0.01	
69.2	72.1	3.04			across present in mass flow.			182.18	183	142033	300	20	<10	170	5	<100	<10	<0.02	<0.01	<0.01	
72.1	75.1	1.7	126.5	156	Similar fragmental, andesitic rocks, but with strong anastomosing			183	184	142034	330	30	40	110	2	<100	<10	0.03	<0.01	<0.01	
75.1	78.2	2.7			foliation. Graphitic seams in foliation. Interbanded pale green-grey	127.5	So,Cl 50	184	185	142035	230	20	40	190	2	<100	30	<0.02	<0.01	<0.01	
78.2	81.2	2.8			sandstone present. Several clay filled fractures present. Abundant pre-	135.1	F 60	185	186	142036	240	40	50	130	5	<100	<10	0.05	<0.01	<0.01	
81.2	84.2	3.05			foliation quartz-carbonate veinlets. Also common, late, cross cutting			186	187	142037	240	40	50	100	2	<100	10	<0.02	<0.01	<0.01	
84.2	87.2	2.95			calcite veinlets.			187	188	142038	270	40	40	110	2	<100	<10	<0.02	<0.01	<0.01	
87.2	90.2	3.1	156	161.85	Similar fragmental, andesitic rocks with clasts of porphyritic andesite			188	189	142039	220	20	70	120	2	<100	<10	<0.02	<0.01	<0.01	
90.2	93.2	3.04			and pale sandstone up to 50 mm across. Relatively massive and																
93.2	96.2	2.85			displaying strong calcite alteration. Numerous calcite veinlets.																
96.2	98.35	1.15			Note: Only trace sulphide and no magnetite 0-161.8 m.																
98.35	100.3	1.8	161.85	164.3	Similar rocks, but calcite veining intense. Scattered sulphide-bearing																
100.3	101.25	0.88			veins with associated fuchsite and chlorite alteration as well as more																
101.25	102.2	0.9			pervasive carbonate alteration. Sulphides include sphalerite, galena,																
102.2	104.35	2			arsenopyrite, pyrrhotite and trace chalcopyrite. Gangue minerals																
104.35	105.4	0.9			include calcite, siderite, quartz and fibrous silicate (?amphibole).																
105.4	107.95	2.5	164.3	164.9	Almost massive sulphide replacing carbonate-altered volcanics and																
107.95	110.3	2.3			in veins. Banding in mineralisation with alpha 50º. There are sphalerite-																

Duplicates

Sample	Ni	Cu	Pb	Zn	Ag	As	Sn	S	Au	Pt	Element
Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
	AAS	AAS	AAS	AAS	AAS	AAS	XRF	Leco	50 gm FA	50 gm FA	Method
	10	10	10	10	1	50	10	0.01%	0.01 ppm	0.01 ppm	Sensitivity
142006	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.01	<0.01	
142020	60	180	6300	6710	17	100	60	1.08	n/a	n/a	
142027	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.02	<0.01	

Drillers'	Blocks	Recovery	Geology			Structure		Core Assays	
From (m)	To (m)	(m)	From (m)	To (m)	Description	Depth (m)	Alpha^0	From (m)	To (m)
110.3	110.7	0.4			galena rich and pyrhhotite-chalcopyrite rich phases of mineralisation.				
110.7	111.5	0.6			The mineralisation straddles a stratigraphic boundary between ande-				
111.5	114.2	2.55			sitic rocks above and a sandstone formation below.				
114.2	117.2	2.9	164.9	169.6	Dark grey, hornfelsed, poorly sorted, greywacke sandstone with minor				
117.2	120.2	3.04			quartz content. Sparse sulphide veinlets. Core very broken.				
120.2	122.3	1.95	169.6	169.95	Milky quartz vein with sulphide-rich zones. Sulphides include galena,				
122.3	123.2	0.84			sphalerite, pyrrhotite and trace chalcopyrite.				
123.2	123.9	0.24	169.5	174.45	Similar sandstone, but altered to a cream colour with relict patches of				
123.9	125	1.21			dark grey colour (?sericitised). Scattered, thin, sulphide veinlets.				
125	126	1.35	174.5	179.05	Cream sandstone with more common galena-sphalerite-carbonate-				
126	127.7	1.48			quartz veins forming a stockwork with quartz veins.				
127.7	129.2	1.66	179.05	180.95	Cream sandstone with quartz vein stockwork and calcite veinlets,				
129.2	131.9	2.35			but little sulphide.				
131.9	133.55	1.27	180.95	182.18	Sandstone becomes dark grey. Common milky quartz veins and a few	182.18	So 45		
133.55	135.2	2.05			calcite veins. Trace pyrite . Contact at 182.18 m with alpha 45º.				
135.2	136.2	0.77	182.18	198.1	Massive, fragmental, andesitic rocks with clasts of porphyritic				
136.2	137.6	1.34			andesite up to 30 mm across. Strong calcite alteration and numerous				
137.6	140.6	2.64			calcite veinlets to 187.9 m, but diminishes to 192.5 m. Minor calcite				
140.6	143.6	3.02			alteration and sparse quartz-calcite veinlets to 198.1. No sulphide.				
143.6	144.95	1.35	198.1	216.4	Similar massive, fragmental, andesitic rocks with clasts of porphyritic				
144.95	147.2	2.1			andesite up to 70 mm across. Contains interbands of fine grained, pale	211.3	So 50		
147.2	150.2	2.7			sandstone. Common quartz-calcite veins. No sulphide.				
150.2	152.9	3.1	216.4	225	Massive porphyritic andesite (mostly), amygdular andesite and frag-				
152.9	156	2.2			mental andesitic rocks.				
156	159.1	2.98	225	242.9	Foliated, fragmental, andesitic rocks. Foliation unevenly developed.	226	F 45		
159.1	161.85	2.9			Common calcite and quartz-calcite veins.	241.2	So F 45		
161.85	164.7	2.85	242.9	250.2	Foliated, fragmental, andesitic rocks with intense calcite and calcite-				
164.7	167.1	2.3			quartz veining generally sub-parallel to foliation. Common fuchsite				
167.1	168.6	1.35			alteration 245.2-246.5 m.				
168.6	169.8	1.06	250.2	260.9	Massive, porphyritic andesite with scattered calcite and sideritic carb-				
169.8	171	1.16			onate veins. Minor sphalerite in some veins. Fuchsite alteration				
171	172.25	1.15			marginal to some veins.				
172.25	173.4	1.1	260.9	263.9	Fine grained and coarse grained, volcaniclastic sandstone. Common	262	So 65		
173.4	173.7	0.3			crosscutting calcite veinlets.				
173.7	174.45	0.74	263.9	267	Fragmental, andesitic rocks with clasts of porphyritic andesite and				
174.45	175.3	0.65			pale sandstone up to 40 mm across.				
175.3	176.05	0.33	267	299.8	Massive, porphyritic andesite with scattered calcite and quartz-calcite				
176.05	176.7	0.68			veins.Several thicker (30-120 mm) veins at 281-288 m with calcite, sid-				
176.7	177.7	?			eritic carbonate, milky quartz, grey quartz, trace galena, trace sphalerite.				
177.7	178.6	1.1			Fuchsite alteration occurs marginal to these veins.				
178.6	179.7	0.98	299.8		EOH				
179.7	180.2	0.4							
180.2	180.5	0.1							
180.5	180.95	0.6							
180.95	181.6	0.56							
181.6	181.8	0.2							
181.8	182.95	1.2							
182.95	183.65	0.8							
183.65	185.65	1.57							
185.65	187.1	1.6							
187.1	188.3	1.26							
188.3	189.15	0.88							
189.15	191.1	1.32							
191.1	192.05	0.73							
192.05	195.1	3.06							
195.1	198.1	3.14							
198.1	201.2	2.9							
201.2	202.2	1.04							
202.2	202.9	0.65							
202.9	204.2	1.26							
204.2	206.25	2.1							
206.25	206.8	0.56							
206.8	209.5	2.52							
209.5	211.15	1.35							
211.15	213.2	2.38							
213.2	214.45	1.1							
214.45	216.2	1.43							
216.2	219.2	3.01							
219.2	221.5	2.34							
221.5	224.5	3.13							
224.5	227.05	2.98							

Sample	Ni	Cu	Pb	Zn	Ag	As	Sn	S	Au	Pt	Element
Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
142039	190	20	60	120	2	<100	n/a	n/a	n/a	n/a	

Structural symbols: So bedding; F foliation; ORI oriented core

Camera surveys

Depth (m)	AMG Azimuth	Dip
30	105	50
60	105	50
90	106.50	50
120	?	51
150	107.5	50
180	104.5	51
210	105.5	52
240	105	52
270	102.5	53
299.8	106	52.5

AD005

Drillers'	Blocks	Recovery	Geology			Structure		Core Assays		Sample	Ni	Cu	Pb	Zn	Ag	As	Sn	S	Au	Pt	Element
From (m)	To (m)	(m)	From (m)	To (m)	Description	Depth (m)	Alpha^{0}	From (m)	To (m)	Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
227.05	228.2	0.86																			
228.2	229.7	1.3																			
229.7	231.2	?																			
231.2	232.6	1.4																			
232.6	234.2	1.68																			
234.2	235.45	1.2																			
235.45	237.2	1.6																			
237.2	240.2	2.44																			
240.2	243.2	3.55																			
243.2	246.2	2.9																			
246.2	246.3	0.05																			
246.3	249.2	2.92																			
249.2	251.15	1.8																			
251.15	255	0.95																			
255	258	3																			
258	260.75	2.75																			
260.75	263.85	3.1																			
263.85	266.95	3.13																			
266.95	270.05	2.95																			
270.05	273.05	3.18																			
273.05	276.15	3.05																			
276.15	279.2	3.17																			
279.2	282.2	2.94																			
282.2	284.8	2.6																			
284.8	287.9	2.95																			
287.9	291	3.1																			
291	293.1	2.12																			
293.1	294.2	1.16																			
294.2	296.7	2.5																			
296.7	299.8	3.14																			
299.8	EOH																				