070

226071

SHEET 1 OF 6

GEOPEKO TASMANIA DRILL LOG

Prospect Gourdon Creek Hole no. GC 1

DEPTH (m) From	DEPTH (m) to	graphic log	ANGLE TO CORE AXIS Bo	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	MINERALISATION cry	MINERALISATION po	Fracturing	Sample No.	From (m)	To (m)	Rec (%)	ASSAYS (Lab) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm	W ppm
0	1																					
1	2										1140704	0	2		35	40	95	2	10.5	3	595	<10
2	3																					
3	4										1140705	2	4		55	40	125	2	9.64	3	550	<10
4	5																					
5	6										1140706	4	6		60	40	90	1	8.78	3	495	<10
6	7																					
7	8										1140707	6	8		30	20	40	1	3.13	2	85	<10
8	9																					
9	10										1140708	8	10		25	25	40	1	2.43	4	175	<10
10	11																					
11	12										1140709	10	12		30	25	50	1	2.74	4	150	<10
12	13																					
13	14										1140710	12	14		20	20	40	1	1.53	<1	15	<10
14	15				Schist with partings at 1cm spacing	Chlorite	1%				1140711	14	15	133	65	10	25	1	1.30	4	<5	<10
15	16				Quartz biotite tremolite schist with		(max)				1140712	15	16		90	15	40	1	2.02	13	<5	<10
16	17				chloritic alteration or secondary silicification	Silicification					1140713	16	17	103	115	30	45	1	1.81	14	<5	<10
17	18				along original bedding						1140714	17	18		50	20	35	1	2.44	9	<5	<10
18	19				Some evidence of silicification of						1140715	18	19		15	20	50	1	3.29	7	<5	<10
19	20				original carbonate beds						1140716	19	20	107	35	30	50	1	3.00	9	<5	<10
20	21				Degree of deformation increases from 19.0m						1140717	20	21		125	30	35	2	3.79	13	<5	<10
21	22				At 20.0m a narrow epidote filled breccia zone						1140718	21	22		45	30	35	1	2.77	10	<5	<10
22	23				may represent a fault						1140719	22	23	100	45	30	45	1	3.14	11	<5	<10
23	24				At 23.0m evidence of fluid migration with						1140720	23	24	100	45	40	50	2	3.55	8	<5	<10
24	25				green alteration (epidote ?) around minor						1140721	24	25	109	100	60	80	2	5.33	4	<5	10
25	26				fracture						1140722	25	26		40	20	70	2	4.61	7	<5	<10
26	27										1140723	26	27	40	85	20	60	2	3.66	22	5	10
27	28				Schistosity less well developed - more secondary						1140724	27	28	123	35	15	55	1	2.25	8	15	<10
28	29				silicification in the form of 'spider-web' veins						1140725	28	29		90	20	40	1	2.07	5	5	<10
29	30				from 29.2 - 31.0 system of fractures: -						1140726	29	30	104	110	20	50	1	1.85	3	40	<10
30	31				quartz filled with chlorite - appears to be	chlorite					1140727	30	31		35	15	45	1	1.59	1	5	<10
31	32				after carbonate						1140728	31	32		10	20	40	<1	1.48	2	5	<10
32	33				Schistosity redeveloped to 34.2m						1140729	32	33	103	50	15	35	1	1.43	7	5	<10
33	34										1140730	33	34		20	10	35	1	1.60	13	5	<10
34	35				At 34.5m - 25cm Carbonate band -	stain silicification	5	1%			1140731	34	35	91	460	15	50	2	1.31	5	50	<10
35	36				now heavily altered	silicification	tr	2%	tr		1140732	35	36		3200	20	165	4	1.92	6	105	<10
36	37				from 36.2m to 39.3 - original presence			1%			1140733	36	37	108	60	15	65	1	1.17	8	45	<10
37	38				garnet chain which has been re silicified			1%			1140734	37	38	100	2200	30	190	5	1.03	3	55	<10
	39				Numerous secondary carbonate veins						1140735	38	39		290	20	55	1	0.93	<1	270	<10

Rock-cutter percussion chips

GEOPEKO TASMANIA DRILL LOG

Prospect Gourlays Creek Hole no. GC1

DEPTH (m) from	DEPTH (m) to	Graphic Log	ANGLE TO CORE AXIS So	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	MINERALISATION cpy	MINERALISATION po	Fracturing
39	40				cris-crosses the skarn					
40	41				At 39.0 there is a 10cm wide calcite					
41	42		70 80		band with large (up to 3cm) actinolite					
42	43				crystals					
43	44				From 39.2m to 44.0m Magnetite skarn		95%	1%		
44	45				with quartz, garnet and epidote					
45	46									
46	47									
47	48									
48	49									
49	50									
50	51									
51	52									
52	53									
53	54									
54	55									
55	56									
56	57				From 44.0m to 129.0m is a					
57	58				sequence of quartzites and biotite					
58	59				hornfelses.					
59	60				There is secondary silicification in					
60	61				the form of quartz veins and quartz	silicification	1%	-		
61	62		60 80		breccias associated with quartz				tr	
62	63				mica. Sulphide concentrations					
63	64				(mainly pyrite) is associated with					
64	65				quartz veining.					
65	66				Quartz veining normally parallels					
66	67				bedding. These veins may represent					
67	68				original carbonate bands, some					
68	69				of which still exist					
69	70				Visible pyrrhotite is found within					
70	71				the quartz					
71	72									
72	73									
73	74									
74	75									
75	76									
76	77									

Sample No.	From (m)	To (m)	Rec (%)	ASSAYS (Labs) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm
1140736	39	40		80	10	30	1	16.6	3	50
1140737	40	41	88	60	20	30	2	25.4	<1	250
1140738	41	42		20	20	40	2	6.38	<1	3050
1140739	42	43	100	45	20	60	1	13.3	<1	135
1140740	43	44		1300	20	70	2	15.7	<1	5
1140741	44	45		35	20	40	1	11.0	<1	5
1140742	45	46	100	85	10	30	1	5.72	<1	10
1140743	46	47		105	15	50	1	6.47	<1	35
1140744	47	48		110	10	50	1	8.52	<1	15
1140745	48	49		30	10	60	1	10.9	1	120
1140746	49	50	100	60	20	50	1	9.52	<1	50
1140747	50	51		30	20	50	1	5.51	<1	155
1140748	51	52	108	15	20	50	1	3.30	1	110
1140749	52	53		20	15	50	1	5.08	<1	10
1140750	53	54	94	10	20	25	1	5.43	<1	<5
1140751	54	55		35	15	60	1	2.61	1	70
1140752	55	56		145	20	50	1	3.85	1	985
1140753	56	57		520	20	100	2	4.24	<1	550
1140754	57	58	95	270	15	40	1	2.39	3	50
1140755	58	59		175	15	35	1	2.59	1	15
1140756	59	60		125	10	30	1	2.38	2	5
1140851	60	61		290	20	30	2	1.96	50	10
1140852	[illegible]	[illegible]		80	20	25	1	1.63	165	5
1140853	62	63		36	15	20	1	2.04	16	<5
1140854	63	64		40	15	30	1	2.13	10	5
1140855	64	65		60	15	25	1	2.22	10	50
1140856	65	66		125	25	35	2	6.12	8	5
1140857	66	67		85	30	60	2	7.74	9	5
1140858	67	68		90	25	50	2	5.35	10	10
1140859	68	69		180	20	25	2	4.06	6	5
1140860	69	70		1050	25	45	2	7.03	9	10
1140861	70	71		660	25	45	2	6.45	7	5
1140862	71	72		130	30	45	2	7.18	10	<5
1140863	72	73		95	30	40	2	7.24	9	<5
1140864	73	74		130	25	35	2	9.56	9	<5
1140865	74	75		180	25	35	2	7.48	9	<5
1140866	75	76		120	35	40	2	6.99	7	35
1140867	76	77		70	30	55	2	6.13	7	55

226073

SHEET 3 OF 6

GEOPEKO TASMANIA DRILL LOG

Prospect Gourlays Creek Hole no. CC 1

DEPTH (m) from	DEPTH (m) to	GRAPHIC LOG	ANGLE TO CORE AXIS Bo	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	MINERALISATION po	MINERALISATION cpy	Fracturing
77	78									
78	79									
79	80									
80	81									
81	82									
82	83									
83	84									
84	85									
85	86									
86	87									
87	88									
88	89									
89	90									
90	91									
91	92						-	tr		
92	93									
93	94				Muscovite rich quartz [illegible]					
94	95				[illegible]					
95	96				green colour					
96	97									
97	98									
98	99									
99	100									
100	101				and green alteration					
101	102									
102	103									
103	104									
104	105									
105	106									
106	107									
107	108									
108	109									
109	110									
110	111									
111	112									
112	113									
113	114									
114	115									

Sample No.	From (m)	To (m)	Rec (%)	ASSAYS (Lab: A L S) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sr ppm	W ppm
1140868	77	78		105	30	60	2	6.36	8	40	<1
1140869	78	79		175	30	55	2	4.96	8	140	<1
1140870	79	80		75	30	55	2	6.16	7	30	1
1140871	80	81		20	25	55	2	6.34	7	35	<1
1140872	81	82		60	30	45	2	6.63	6	25	<1
1140873	82	83		105	25	30	1	2.99	6	45	<1
1140757	83	84		30	10	30	1	4.20	1	5	<1
1140758	84	85		20	10	25	1	4.32	<1	5	<1
1140759	85	86		20	15	35	1	4.21	1	10	1
1140760	86	87		25	15	40	1	3.82	<1	30	<1
1140874	87	88		20	20	25	1	2.59	9	10	<1
1140875	88	89		15	25	35	2	2.81	10	35	<1
1140876	89	90		45	25	40	2	3.67	9	85	<1
1140877	90	91		95	30	45	2	3.45	14	30	1
1140578	91	92		25	25	35	2	2.78	6	20	1
1140879	92	93		15	25	30	2	3.49	6	<5	<1
1140880	93	94		10	25	40	2	3.29	5	65	<1
1140881	94	95		10	25	25	2	3.22	7	15	<1
1140582	95	96		10	30	25	2	2.65	7	55	<1
1140883	96	97		10	30	30	2	4.47	6	5	<1
1140884	97	98		10	25	40	2	3.62	7	55	<1
1140885	98	99		10	25	30	1	3.07	6	30	<1
1140886	99	100		20	20	30	1	2.07	5	105	1
1140887	100	101		10	15	40	1	2.65	5	25	<1
1140888	101	102		40	20	35	1	2.75	5	85	<1
1140889	102	103		10	25	40	1	2.88	5	55	<1
1140890	103	104		25	25	30	1	3.38	6	40	<1
1140891	104	105		20	25	35	1	3.16	5	50	<1
1140892	105	106		25	20	25	1	3.34	10	25	<1
1140893	106	107		10	25	20	1	3.72	6	<5	<1
1140894	107	108		25	30	35	1	3.25	5	35	<1
1140895	108	109		40	10	40	2	3.58	9	20	
1140761	109	110		110	20	35	1	3.26	5	220	<1
1140762	110	111		120	15	30	1	4.12	<1	15	<1
1140763	111	112		340	15	30	1	4.79	<1	5	<1
1140764	112	113		30	20	30	1	5.00	<1	<5	
1140836	113	114		35	15	30	2	3.30	6	<5	
1140897	114	115		400	15	65	3	6.29	10	10	<1

GEOPEKO TASMANIA DRILL LOG

Prospect Courtney Creek Hole no. GC 1

DEPTH (m) from	DEPTH (m) to	GRAPHIC LOG	ANGLE TO CORE AXIS So	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	MINERALISATION po	MINERALISATION cpy	MINERALISATION Mag	Fracturing
115	116										
116	117										
117	118										
118	119										
119	120										
120	121										
121	122				At 122.40m large quartz vein						
122	123				with green fedspar and tourmaline	chlorite					
123	124				alteration. An increase in						
124	125				available carbonate and increase						
125	126				in sulphide content (pyrite)		MOD 2%				
126	127										
127	128				From 122.60 to 130.0, altered						
128	129				quartz rich zone of essentially						
129	130				biotite hornfels with chlorite and						
130	131				green mica.						
131	132				At 130.1 to 130.4 Breccia zone		8%				
132	133				with massive pyrite and minor						
133	134				siderite						
134	135				132.0 - 132.5 pyroxene rich zone						
135	136				associated with minor fracture -						
136	137				possible garnet development						
137	138				biotite hornfels to 144.6m						
138	139				biotite occurs as small blebs (5mm						
139	140				diameter) giving a spotted or						
140	141				mottled appearance. In T.S.						
141	142				this is a subsequent biotite growth						
142	143				possibly after chlorite.						
143	144				144.6 - 144.8 Actinolite, pyrite		5%		1%		
144	145				rock - probably vein replacement						
145	146				Pyrite becoming more common						
146	147				as fine veinlets parallel to						
147	148				bedding						
148	149				Biotite hornfels to 149.8						
149	150				From 149.8 to 155.6 -						
150	151				POSSIBLE BRECCIA ZONE WITH		20%		2%	10%	
151	152				MASSIVE PYRITE & Magnetite and						
152	153				siderite veins						

Sample No.	From (m)	To (m)	Rec ( )	ASSAYS (Lab: ALS) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sb ppm
1140898	115	116		260	15	55	1	3.22	22	115
1140899	116	117		75	10	50	1	3.82	10	65
1140900	117	118		30	10	35	1	4.54	6	<5
1140901	118	119		15	15	35	1	3.86	6	5
1140902	119	120		25	15	30	1	4.36	6	5
1140903	120	121		25	20	40	1	3.93	6	10
1140904	121	122		45	15	35	1	3.41	20	25
1140905	122	123		80	25	40	1	3.00	24	25
1140906	123	124		20	20	45	1	3.54	6	25
1140907	124	125		20	20	55	1	4.27	10	10
1140908	125	126		70	20	35	1	2.47	12	240
1140909	126	127		50	15	35	<1	2.30	10	125
1140910	127	128		30	20	40	2	4.27	6	5
1140911	128	129		20	25	35	2	2.58	7	50
1140912	129	130		15	20	55	2	3.75	8	5
1140765	130	131		270	20	40	1	5.93	<1	470
1140766	131	132		80	20	45	1	3.14	<1	990
1140913	132	133		30	30	40	1	2.25	6	750
1140914	133	134		30	25	25	1	3.07	4	10
1140915	134	135		25	30	40	1	3.30	5	15
1140916	135	136		25	25	35	1	3.82	10	15
1140917	136	137		25	25	35	1	2.99	6	50
1140918	137	138		30	25	35	1	3.92	10	10
1140919	138	139		25	25	40	1	2.24	6	45
1140920	139	140		30	25	35	1	3.11	6	25
1140921	140	141		500	25	30	1	4.28	5	<5
1140922	141	142		90	20	25	1	3.96	6	5
1140923	142	143		45	20	35	1	4.96	6	<5
1140767	143	144		150	15	40	1	4.66	<1	100
1140768	144	145		660	25	50	2	9.80	6	500
1140769	145	146		45	20	45	1	2.97	<1	95
1140770	146	147		95	15	30	1	3.00	2	5
1140771	147	148		60	10	30	1	3.51	4	5
1140772	148	149		70	15	40	1	4.02	6	<5
1140773	149	150		120	20	65	2	6.94	2	<5
1140774	150	151		1650	400	2600	7	26.6	1280	<5
1145775	151	152		2400	4200	1400	18	32.2	3850	220
1140776	152	153		1600	80	90	5	37.5	2450	1115

226075

SHEET 5 OF 6

GEOPEKO TASMANIA DRILL LOG

Prospect Courlays Creek Hole no. GC 1

DEPTH (m) from	DEPTH (m) to	Graphic Log	ANGLE TO CORE AXIS Sa	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	MINERALISATION cpy	MINERALISATION po	MINERALISATION mag	Fracturing
153	154						20	1%	tr	15	
154	155						10	tr	tr	10	
155	156						1	-	-	1	
156	157						1	tr	-	1	
157	158						2	1	-	1	
158	159						2	tr			
159	160				FROM 155.5 to EOH at 196.16m Biotite Hornfels		1	tr	-	-	
160	161				finely laminated with strongly		2	1	-	1	
161	162				disseminated pyrite in patches		5	1	-	-	
162	163				parallel to bedding.		7	3	-	5	
163	164				Silicification & chlorite alteration		2	5	-	5	
164	165				are not as well developed		2	tr	-	5	
165	166				as in previous sections		2	tr	-	-	
166	167						1				
167	168						1				
168	169						<1				
169	170						1				
170	171						1	1			
171	172						3	1			
172	173						5	2			
173	174						3	1			
174	175						1	2			
175	176						<1	1			
176	177						1	2			
177	178						<1	1			
178	179						<1	1			
179	180						1				
180	181						2	1			
181	182						1				
182	183										
183	184										
184	185										
185	186										
186	187										
187	188										
188	189										
189	190										
190	191										

Sample No.	From (m)	To (m)	Rec ( )	ASSAYS (Lab: ALS) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sb ppm
1140777	153	154		4000	60	60	5	40.0	200	10
1140778	154	155		220	30	30	1	9.74	50	295
1140779	155	156		45	20	50	1	5.75	5	30
1140780	156	157		115	20	50	1	7.12	1	15
1140781	157	158		320	20	60	2	11.2	3	10
1140782	158	159		200	20	40	1	7.24	5	90
1140783	159	160		185	20	90	2	6.98	2	5
1140784	160	161		440	20	40	2	21.2	1	30
1140785	161	162		480	20	35	1	9.61	6	<5
1140786	162	163		4800	15	105	4	29.8	8	60
1140787	163	164		3600	10	35	3	12.2	2	665
1140788	164	165		360	5	20	1	9.75	<1	5
1140789	165	166		410	10	10	1	7.50	3	80
1140790	166	167		370	5	10	1	6.48	2	30
1140791	167	168		380	15	10	1	6.17	<1	90
1140792	168	169		560	15	10	1	5.80	<1	25
1140793	169	170		160	20	15	1	7.64	<1	15
1140794	170	171		200	20	20	1	8.11	<1	10
1140795	171	172		440	20	15	1	9.78	<1	15
1140796	172	173		3600	20	25	2	17.3	<1	55
1140797	173	174		1250	20	25	2	13.2	<1	5
1140798	174	175		3600	15	20	2	13.9	<1	<5
1140799	175	176		2200	10	15	1	9.14	<1	<5
1140800	176	177		560	30	10	1	7.51	<1	25
1140801	177	178		260	15	25	2	7.61	<1	45
1140802	178	179		145	20	10	2	7.56	<1	<5
1140803	179	180		240	25	30	2	8.84	<1	25
1140804	180	181		125	20	30	2	12.4	<1	5
1140805	181	182		155	15	20	2	7.47	1	5
1140806	182	183		300	15	15	2	8.54	<1	5
1140807	183	184		130	20	30	2	9.91	<1	<5
1140808	184	185		85	20	25	2	9.56	<1	25
1140809	185	186		110	20	10	1	7.12	<1	<5
1140810	186	187		280	15	15	1	7.39	<1	<5
1140811	187	188		390	20	25	3	11.6	1	<5
1140812	188	189		300	15	20	2	8.74	<1	<5
1140813	189	190		50	15	15	2	7.08	<1	<5
1140814	190	191		60	15	20	2	7.05	<1	<5

226076

SHEET 6 OF 6

GEOPEKO TASMANIA DRILL LOG

Prospect Gourlays Creek Hole no. GC 1

DEPTH (m) from	DEPTH (m) to	GRAPHIC LOG	ANGLE TO CORE AXIS So	ANGLE TO CORE AXIS Sr	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py				Fracturing	Sample No.	From (m)	To (m)	Rec ( )	ASSAYS (Lab: A-L S) Cu PPM	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm	W ppm
191	192											1140815	191	192		240	15	15	2	7.26	<1	<5	<
192	193											1140816	192	193		230	20	15	3	6.63	<1	<5	<
193	194											1140817	193	194		80	20	20	2	6.39	<1	<5	<
194	195											1140818	194	195		50	20	15	2	5.72	<1	<5	<
195	196.1											1140819	195	196.1		50	20	20	1	5.82	<1	<5	