226084

083

SHEET 1 OF 5

GEOPEKO TASMANIA DRILL LOG

Prospect Gourlay's Creek Hole no. GC-2

DEPTH (m) from	DEPTH (m) to	SAMPLED Log	ANGLE TO CORE AXIS -Sa	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	Fracturing /m	Sample No.	From (m)	To (m)	Rec (%)	ASSAYS (Lab: ALS) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm	W ppm
0	2							COLLAR	1140820	0	2		190	30	75	2	11·6	5	15	<10
2	4								1140821	2	4		55	20	50	1	5·90	2	5	<10
4	6	Pre-collar						Pc	1140822	4	6		25	20	40	1	4·37	1	<5	<10
6	8								1140823	6	8		40	20	40	1	4·87	1	<5	<10
8	10								1140824	8	10		100	25	45	1	5·62	1	<5	<10
10	12								1140825	10	12	Pre-collar percussion	70	20	40	1	5·99	1	<5	<10
12	14								1140826	12	14		55	20	35	1	7·07	1	25	<10
14	15				Denah quartzite with fe staining on joint planes. Quartz breccias and quartz vein filling.	Oxidation		15-20	1140551	14	15	59	80	15	40	1	4·36	260	90	<10
15	16							10-15	1140552	15	16	114	20	10	30	2	5·91	16	<5	<10
16	17							10-15	1140553	16	17	—	20	10	30	2	4·99	95	<5	<10
17	18							15-20	1140554	17	18	100	30	10	30	2	4·30	10	<5	<10
18	19							>20	1140555	18	19	100	30	10	30	2	4·21	11	<5	<10
19	20							>20	1140556	19	20		20	10	20	2	5·68	8	<5	<10
20	21							>20	1140557	20	21	104	20	15	25	1	5·41	8	<5	<10
21	22							10-15	1140558	21	22	64	45	10	20	1	5·91	6	<5	<10
22	23							>20	1140559	22	23	—	60	10	30	1	6·07	13	<5	<10
23	24				Schistosity developing with vein sheeting &			>20	1140560	23	24	140	185	10	40	1	4·92	10	15	<10
24	25				circulations			15-20	1140561	24	25	39	165	10	25	1	2·71	16	15	<10
25	26							15-20	1140562	25	26		80	10	45	1	3·87	13	10	<10
26	27							>20	1140563	26	27	100	60	10	35	1	3·77	16	5	<10
27	28				white spotted unit - quartz/feldspar			>20	1140564	27	28	—	25	5	30	1	6·06	21	<5	<10
28	29							>20	1140565	28	29	94	20	10	40	1	5·04	8	<5	<10
29	30				Lower S zone at 30·1m	chlorite		>20	1140566	29	30	100	70	10	40	1	5·02	16	25	<10
30	31				quartz infill plus chlorite & possible tourmaline			>20	1140567	30	31	75	40	10	25	<1	2·50	12	105	<10
31	32							>20	1140568	31	32	60	15	10	40	1	2·54	7	35	<10
32	33							>20	1140569	32	33	100	60	10	30	1	2·55	24	10	<10
33	34				Level of oxidation continues to 90m			>20	1140570	33	34	80	50	10	20	<1	2·29	23	<5	<10
34	35							15-20	1140571	34	35	62	20	10	25	1	2·52	5	<5	<10
35	36				Ground is very broken			>20	1140572	35	36	100	20	15	40	1	2·87	18	5	10
36	37							>20	1140573	36	37	—	10	20	45	1	3·37	2	<5	<10
37	38							>20	1140574	37	38	93 20	10	15	40	1	3·26	<1	5	<10
38	39							>20	1140575	38	39	53	30	10	30	1	3·14	<1	<5	10
39	40							>20	1140576	39	40	94	65	10	20	1	3·24	24	<5	<10
40	41				Quartz mica schist with chlorite	chlorite		15-20	1140577	40	41	86	50	10	30	1	3·64	18	<5	<10
41	42				developing in vein veins and			15-20	1140578	41	42		20	20	35	1	3·44	4	5	<10
42	43				parallel to schistosity			10-15	1140579	42	43	108	20	15	30	1	3·57	3	<5	<10
43	44							15-20	1140580	43	44	—	40	20	30	1	2·69	12	5	<10
44	45							10-15	1140581	44	45		165	15	40	1	4·74	11	<5	<10

GEOPEKO TASMANIA DRILL LOG

Prospect Courtay's Creek Hole no. GC-2

DEPTH (m) from	DEPTH (m) to	GRAPHIC LOG	ANGLE TO CORE AXIS So	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	Po/Cp	Ba	Mag	Fracturing	Sample No.	From (m)	To (m)	Rec ( )	ASSAYS (Lab: ALS) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm	W ppm	Ba ppm	Au ppb
45	46											1140582	45	46	100	710	15	30	2	5.02	12	<5	10		
46	47											1140583	46	47	—	60	20	40	1	4.89	14	<5	<10		
47	48										10cm	1140584	47	48		40	15	30	1	6.01	5	<5	<10		
48	49											1140585	48	49	105	25	15	30	1	5.82	35	<5	<10		
49	50				At 50.5m Quartz breccia							1140586	49	50	—	45	15	35	1	5.96	11	<5	<10	700	20
50	51				Massive magnetite with minor					75%	broken	1140587	50	51		70	20	35	2	24.6	6	<5	<10	530	10
51	52				pyrite filled fractures		10%				of core	1140588	51	52	105	2300	25	40	5	49.5	29	<5	10	250	160
52	53				The magnetite is bounded top and							1140589	52	53	—	50	15	25	1	3.22	11	5	<10	1800	<3
53	54				bottom by quartz veins. The						very	1140590	53	54	94	40	15	30	1	3.84	12	<5	<10	1700	3
54	55				footwall vein is filled with pyrite						stick	1140591	54	55	84	35	20	35	3	5.11	18	<5	<10	1500	40
55	56											1140592	55	56		25	20	35	3	5.17	18	<5	<10	1400	15
56	57				The sequence of quartzites							1140593	56	57	106	30	20	30	2	5.06	20	<5	<10	1200	10
57	58				and quartz mica schists						Ground	1140594	57	58	—	25	15	35	2	4.12	20	<5	<10	1400	3
58	59				continues to 71.0m						Longest	1140595	58	59	46	20	10	25	2	4.33	10	<5	<10	1300	5
59	60											1140596	59	60		45	10	35	2	4.00	16	<5	<10	1500	10
60	61											1140597	60	61	100	50	30	65	3	8.15	5	<5	<10	530	3
61	62											1140598	61	62		120	10	25	3	4.06	16	<5	10	1900	10
62	63											1140599	62	63		75	20	40	3	6.03	16	<5	<10	1400	3
63	64											1140600	63	64	87	50	25	45	3	7.97	19	<5	<10	1100	10
64	65											1140601	64	65		15	25	50	3	6.77	5	5	<10	1300	3
65	66											1140602	65	66	66	50	15	20	3	4.34	10	<5	<10	2800	5
66	67											1140603	66	67	100	40	20	40	3	7.64	7	<5	<10	2400	5
67	68											1140604	67	68	91	60	15	60	3	5.82	6	<5	<10	2700	3
68	69											1140605	68	69	—	40	20	20	3	6.89	9	<5	<10	2500	3
69	70											1140606	69	70	60	125	30	30	4	31.5	60	10	10	1000	5
70	71				Magnetite barite pyrite rock.		1	tr		1		1140607	70	71		100	15	15	2	6.88	6	<5	<10	1800	3
71	72				This is a banded rock with banding		1	tr	2	10		1140608	71	72	94	940	20	35	4	28.4	40	15	10	[illegible]	3
72	73				parallel to bedding in overlying		50		15	25		1140609	72	73	—	330	20	30	4	38.1	105	10	<10	1.7[illegible]	15
73	74				sediments. Magnetite/pyrite occur							1140610	73	74		350	15	15	3	6.07	22	<5	<10	2700	1[illegible]
74	75				as discrete bands; barite as							1140611	74	75	100	250	15	20	3	11.3	11	<5	<10	1700	3
75	76				5 to 10cm wide bands.							1140612	75	76	—	190	10	25	3	9.97	3	<5	<10	770	5
76	77				Pyrite content increases from 1% or 2%							1140613	76	77	100	50	10	15	2	7.24	2	<5	<10	380	3
77	78				at top to 50% at bottom of section							1140614	77	78	—	80	10	30	2	7.66	3	<5	<10	1100	<[illegible]
78	79				From 73m to 97m, quartzites							1140615	78	79	100	30	10	20	2	5.93	5	<5	<10	1800	[illegible]
79	80				and quartz mica schists have been							1140616	79	80	[illegible]	45	20	20	2	6.27	2	<5	<10	1200	3
80	81				metamorphosed to biotite hornfels	chlorite						1140617	80	81	100	70	20	30	2	3.97	4	5	<10	1500	1[illegible]
81	82				Chlorite development is common near							1140618	81	82	—	40	25	40	2	5.48	6	5	<10	1200	[illegible]
82	83				fractures showing obvious fluid							1140619	82	83	100 / 67	25	20	25	2	3.62	5	<5	<10	1800	1[illegible]

226086

085

SHEET 3 OF 5

GEOPEKO TASMANIA DRILL LOG

Prospect Gourlay's Creek Hole no. GC-2

DEPTH (m) from	DEPTH (m) to	Graphic Log	ANGLE TO CORE AXIS So	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py	MINERALISATION mBA	Fracturing	Sample No.	From (m)	To (m)	Rec (%)	ASSAYS (Lab:) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sr ppm	U ppm	Ba ppm	Au ppb
83	84				Channels				>20	1140620	83	84	100	20	15	15	2	4.07	4	<5	<10	1500	3
84	85				Biotite concentrations occur as				15-20	1140621	84	85	89	40	20	20	1	4.55	2	<5	<10	1400	3
85	86				oblong spots roughly elongated				20	1140622	85	86	116 100	55	20	50	2	6.07	2	<5	<10	1100	5
86	87				parallel to cleavage				10	1140623	86	87		15	15	20	2	5.71	2	<5	<10	1000	10
87	88				Mineralisation is very patchy				5-10	1140624	87	88	94	15	15	15	1	5.31	5	<5	<10	820	3
88	89				with minor pyrite visible in				5	1140625	88	89		70	15	10	1	5.39	3	<5	<10	570	3
89	90				quartz veins				5	1140626	89	90	97	65	15	15	1	5.43	<1	<5	<10	460	5
90	91								5	1140627	90	91		115	15	15	1	6.02	<1	<5	<10	490	<3
91	92								5-10	1140628	91	92	115	50	15	20	1	5.86	<1	<5	<10	370	<3
92	93								5-10	1140629	92	93		40	15	20	1	5.81	1	<5	<10	300	<3
93	94						1%	tr	5-0	1140630	93	94	100	20	15	15	2	8.50	4	<5	<10	220	<3
94	95						tr		5	1140631	94	95		60	15	20	2	10.9	2	<5	<10	300	<3
95	96								0-20	1140632	95	96	100	140	20	25	2	11.9	4	<5	<10	390	5
96	97				Pyrite content increasing to 5-10%		5-10		>20	1140633	96	97		2000	20	20	2	14.3	26	<5	<10	780	5
97	98						3		5	1140634	97	98	97	340	20	20	3	19.3	95	<5	10	1200	15
98	99				At 99m, cleavage traces more		1		10-20	1140635	98	99		780	15	25	2	9.65	20	<5	<10		5
99	100				obvious. Quartz veins with diopside				5-10	1140636	99	100	106	260	20	20	2	9.46	5	<5	<10		
100	101				rich boundaries				5	1140637	100	101		90	15	20	1	6.44	2	<5	<10		
101	102				Biotite is elongated parallel		<1%		5	1140638	101	102		80	15	30	2	7.23	3	<5	<10		
102	103				to cleavage				10-15	1140639	102	103	92	195	20	105	2	9.30	13	<5	<10		
103	104								>20	1140640	103	104	100	250	20	40	2	15.9	55	<5	<10		25
104	105								>20	1140641	104	105	100	240	20	25	1	9.26	30	<5	<10		
105	106				Biotite horn-els continues				>20	1140642	105	106	80	115	20	25	2	9.60	7	<5	<10		
106	107				to end of hole				>20	1140643	106	107	130	55	20	30	2	9.30	<1	<5	<10		
107	108				Sulphide content varies				>20	1140644	107	108	100 71	70	20	40	2	7.75	<1	<5	<10		
108	109				as does biotite content.				>20	1140645	108	109	100	95	20	25	1	8.40	<1	<5	<10		<3
109	110								>20	1140646	109	110		110	20	35	1	6.76	<1	<5	<10		
110	111								>20	1140647	110	111	87	40	20	30	1	6.97	<1	<5	<10		
111	112								>20	1140648	111	112		70	20	40	1	9.60	20	<5	<10		
112	113								>20	1140649	112	113	107	160	15	50	2	7.38	<1	<5	<10		
113	114								>20	1140650	113	114		30	15	45	2	9.72	<1	<5	<10		
114	115								>20	1140651	114	115	100	60	15	65	1	6.66	3	<5	<10		
115	116								>20	1140652	115	116	29	40	15	65	1	5.06	<1	<5	<10		
116	117								>20	1140653	116	117	35	10	20	30	1	4.66	<1	<5	<10		
117	118								>20	1140654	117	118		15	20	60	1	5.80	1	<5	<10		<3
118	119								>20	1140655	118	119	7	40	15	30	2	7.63	7	25	<10		
119	120								>20	1140656	119	120	75	35	15	25	2	9.07	6	50	<10		
120	121								>20	1140657	120	121		10	15	25	2	8.12	3	<5	<10		

086

226087

SHEET 4 OF 5

GEOPEKO TASMANIA DRILL LOG

Prospect Gourlays Creek Hole no. GC-2

DEPTH (m) from	DEPTH (m) to	GRAPHIC LOG	ANGLE TO CORE AXIS So	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION	Fracturing	Sample No.	From (m)	To (m)	Rec ( )	ASSAYS (Lab: ALS) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm	W ppm	Bi ppm	Au ppb
121	122							>20	1140658	121	122		10	15	25	2	8.66	2	15	<10		
122	123							>20	1140659	122	123	100	10	20	25	2	16.9	<1	5	<10		<3
123	124							>20	1140660	123	124		10	15	30	2	9.24	3	<5	<10		
124	125							>20	1140661	124	125	93	20	30	25	2	16.4	<1	<5	<10		
125	126							>20	1140662	125	126		20	20	30	2	11.5	<1	<5	<10		
126	127							>20	1140663	126	127	100	130	20	35	2	8.59	1	<5	<10		
127	128							>20	1140664	127	128	94	70	15	30	1	8.41	<1	<5	<10		<3
128	129							>20	1140665	128	129		105	20	30	1	7.71	<1	<5	<10		
129	130							>20	1140666	129	130	111	120	20	40	2	9.52	<1	<5	<10		
130	131							>20	1140667	130	131	100	390	20	45	3	12.2	<1	<5	10		
131	132							>20	1140668	131	132		40	15	30	2	7.03	<1	<5	10		
132	133							>20	1140669	132	133	95	10	10	15	2	7.81	<1	<5	<10		<3
133	134							>20	1140670	133	134		35	15	30	2	8.52	<1	5	10		
134	135							>20	1140671	134	135		35	15	10	2	7.64	<1	<5	<10		
135	136							>20	1140672	135	136	113	420	25	20	2	6.03	<1	5	<10		
136	137							>20	1140673	136	137		110	15	10	2	6.63	<1	<5	<10		5
137	138							>20	1140674	137	138	92	220	15	20	2	5.51	<1	<5	<10		
138	139							>20	1140675	138	139	93	90	15	35	2	5.29	<1	<5	<10		
139	140							>20	1140676	139	140		80	10	25	2	5.75	<1	10	10		
140	141							>20	1140677	140	141	112	200	15	15	2	6.17	<1	<5	<10		
141	142							>20	1140678	141	142	96	130	15	15	2	7.07	2	<5	10		
142	143							>20	1140679	142	143		300	20	25	7	7.41	1	<5	<10		5
143	144							>20	1140680	143	144		190	15	25	2	9.11	2	<5	<10		
144	145							>20	1140681	144	145	100	200	20	30	2	12.5	<1	<5	10		
145	146							>20	1140682	145	146	100	70	20	20	2	13.7	<1	<5	<10		
146	147							5-10	1140683	146	147		25	30	25	2	10.9	3	<5	10		
147	148							10-15	1140684	147	148	100	20	30	15	2	8.9	11	<5	<10		5
148	149							10-15	1140685	148	149		40	30	10	2	12.6	16	<5	10		
149	150							10-15	1140686	149	150		65	30	20	2	12.1	5	<5	<10		
150	151							5-10	1140687	150	151	100	1050	15	15	1	6.69	<1	<5	<10		
151	152							5-10	1140688	151	152		175	15	20	2	9.46	4	<5	<10		
152	153							10	1140689	152	153	95	1100	10	10	1	3.48	3	<5	<10		25
153	154							10-15	1140690	153	154		760	10	10	1	3.29	2	<5	10		
154	155							20	1140691	154	155	100	460	15	10	2	6.83	<1	<5	<10		
155	156							10-15	1140692	155	156		210	20	20	1	7.27	1	<5	<10		
156	157							5-10	1140693	156	157	97	100	15	25	2	8.56	1	<5	<10		
157	158							5-10	1140694	157	158		150	10	5	1	6.32	<1	<5	10		5
158	159							10-15	1140695	158	159	100	165	10	5	1	6.64	2	25	10		

226088

GEOPEKO TASMANIA DRILL LOG

Prospect Courtney's Creek Hole no. GC-2

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	Fracturing	Sample No.	From (m)	To (m)	Rec (%)	ASSAYS (Lab: ALS) Cu ppm	Pb ppm	Zn ppm	Ag ppm	Fe %	As ppm	Sn ppm	W ppm	Bi ppm	Au ppb
159	160						<1%	tr	>20	1140696	159	160	100	520	10	10	2	9.04	4	<5	10		
160	161						.5%		>20	1140697	160	161	50	130	15	85	2	6.63	3	20	10		
161	162						<1%		>20	1140698	161	162	109	490	10	10	2	5.89	<1	<5	<10		
162	163						1%		>20	1140699	162	163	100	300	15	10	2	5.90	<1	<5	<10		5
163	164						.5		>20	1140700	163	164	100	50	10	15	2	5.26	<1	<5	<10		
164	165						1		>20	1140701	164	165		140	15	10	2	7.33	2	<5	10		
165	166						<1		>20	1140702	165	166	100	65	15	10	2	7.07	<1	<5	<10		
166	167						<1		>20	1140703	166	167		140	15	15	2	6.93	<1	<5	<10		5