AMG Co-ords: 414638 E 5405380 N.

Ref No. 1873

(145)

GEOPEKO TASMANIA DRILL LOG

Prospect MARINER 6 Hole no. 1

Core held M

Depth (m) From	Depth (m) To	Graphic Log	Angle to Core Axis So	Angle to Core Axis S1	Geological Description	Alteration	Mineralisation py	Fracturing	Sample No.	From (m)	To (m)	Rec (m)	Cu	Pb	Zn	Ag	% Fe	ppb Au	Sn	W
					OCTOBER 1981															
0	1				Rolled down through soil profile – no							0								
1	2				recovery.							0								
2	3											0								
3	4				Ordovician sandstone as scree							·1								
4	5				followed by weathered grey sandy							·1								
5	6				clay.							·1								
	7				Weathered Tertiary Basalt as orange-							·6								
7	8				brown clay.							·5								
8	9											·7								
9	10											·6								
10	11											·5								
11	12											·6								
12	13											·8								
13	14				Red hematite veins at 13.5 over 10cm –							·4								
14	15				veins ± 2mm wide + ± 5% of core.							·8								
15	16				16.1m hematite vein.							·8								
16	17				Manganese coating on joint surface.							·6								
17	18											·5								
18	19				Basalt less weathered – brown colour.							·7								
19	20				20m to 23.4m Basalt veined with hematite							·95								
20	21				+ limonite – appears brecciated in places							·5								
21	22				as a result of crossing vein pattern.							·4								
22	23											·9								
23	24		65		23.6 to 24.1m Orange to grey laminated clay				KR9951	23·6	24·6	·6	10	40	35	2	0.56	<3	<5	<10
24	25				Conglomerate – rounded to subangular				KR9952	24·6	25·1	·8	25	60	375	2	0.49	"	"	"
25	26				pebbles of Ordovician sandstone, quartzite				KR9953	25·1	26·1	·5	15	50	375	1	0.41	"	"	"
26	27		40		and conglomerate up to 5cm in diameter.				KR9954	26·1	26·6	·4	15	45	225	1	0.40	"	"	"
27	28				Cemented by black iron oxide (limonite?)				KR9955	28	29	0	10	45	180	1	0.44	"	"	"
28	29				with botryoidal texture in open spaces.							·8								
29	30		45		28-28.1m Unconsolidated sandstone - grey				KR9956	29	29·7	·6	15	40	140	1	0.55	"	"	"
30	31				29-29.6m " grit + orange clay.				KR9957	30	30·6	·5	15	40	110	1	0.45	"	"	"
31	32				29.6-30.6 limonite cemented conglomerate				KR9958	30·6	32·1	·4	10	35	95	1	0.48	"	"	"
32	33		65		30.6-32.35 Unconsolidated orange & cream clay				KR9959	32·1	33	·9	10	40	85	1	0.45	"	"	"
33	34				sand. 32.5-32.6 Black iron Oxide beds in grit.				KR9960	33	34	·95	15	35	95	1	0.56	"	"	"
34	35				32.6-45.7 Unit of black clay, sand &				KR9961	34	35	·8	10	35	85	1	0.48	"	"	"
35	36		65		grit. ± 40% sand size quartz grains,				KR9962	35	36	·78	10	35	80	1	0.69	"	"	"
36	37				with minor muscovite. Black sulphide				KR9963	36	36·7	·7	10	30	120	1	0.72	"	"	"
37	38				rich fragments (inorganic or organic?) +				KR9964	36·7	38	·4	10	30	230	1	0.74	"	"	"
38	39				black sulphide rich clay, which [illegible]				KR9965	38	39	·95	15	45	425	1	4.20	"	"	"

(Lab: A.L.S.)

34 0067

GEOPEKO TASMANIA DRILL LOG

Prospect MARINER6 Hole no. 1

DEPTH (m) from	DEPTH (m) to	GRAPHIC LOG	ANGLE TO CORE AXIS Sa	ANGLE TO CORE AXIS Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION	Fracturing
39	40				Pyrite concretions at 39.6, 40.5 + 41.1m - up to 4 cm across - green across bedding			
40	41		61					
41	42							
42	43							
43	44		53					
44	45							
45	46				45.7 - Green clayey sand with iron oxide layers + veins thick from 45.8 to 46.4m. Orange streaks			
46	47		54					
47	48				from 47.2m - 50.50 where core is orange			
48	49				clay with minor grit component.			
49	50							
50	51				50.5-51.5 Tubing conglomerate of Mt Roland			
51	52				conglomerate - bleached. Orange clay at base			
52	53				& contact with Mt Roland conglomerate.			
53	54				51.5 → EOH Mt Roland conglomerate			
54	55				51.5 - pebble sandstone - pebble breccia.			
55	56				Sil - Weakly hematite alteration. Interbedded			
56	57				conglomerate - jasper + quartzite pebbles with			
57	58				sandy matrix			
58	59							
59	60							
60	61							
61	62							
62	63							
63	64							
64	65							
65	66							
66	67							
67	68							
68	69				High types of hematite alteration.			
69	70							
70	71							
71	72							
72	73							
73	74				73.6 bleached jasper vein			
74	75							
75	76							
76	77							
77	78							

ASSAYS (Lab: ALS)

Sample No.	From (m)	To (m)	Rec (m)	Cu	Pb	Zn	Ag	% Fe	ppb Au	Sn
KR9966	39	40	1.00	15	15	60	1	2.40	3	<5
KR9967	40	41	1	50	45	220	1	12.60	<3	"
KR9968	41	42	1	55	50	260	1	12.80	5	"
KR9969	42	43	1.00	45	40	190	1	4.35	<3	5
KR9970	43	44	1	30	10	115	<1	0.39	3	<5
KR9971	44	45	"	70	20	245	<1	0.56	3	"
KR9972	45	46	"	75	15	210	<1	0.36	3	"
KR9973	46	47	"	55	35	195	1	4.80	<3	"
KR9974	47	48	"	15	45	40	1	0.70	3	"
KR9975	48	49	"	25	40	50	2	0.90	20	"
KR9976	49	50	"	40	45	40	1	2.00	70	5
KR9977	50	51	"	165	70	100	2	6.60	5	<5
KR9978	51	52	"	30	20	20	<1	1.70	<3	"
KR9979	52	53	"	5	15	15	<1	0.62	"	"
KR9980	53	54	"	2	10	10	<1	0.36	"	"
KR9981	54	55	"	2	10	5	<1	0.46	3	"
KR9982	55	56	"	<2	10	5	<1	0.60	<3	5
KR9983	56	57	"	<2	10	5	<1	0.60	"	<5
KR9984	57	58	"	<2	10	10	<1	0.60	"	"
KR9985	58	59	"	<2	10	10	<1	0.56	"	5
KR9986	59	60	"	<2	10	10	<1	0.68	3	"
KR9987	60	61	"	2	10	10	<1	0.72	<3	10
KR9988	61	62	"	2	5	25	<1	0.68	"	5
KR9989	62	63	"	2	10	15	<1	0.52	"	"
KR9990	63	64	"	2	5	10	<1	0.76	"	<5
KR9991	64	65	"	2	5	10	<1	0.56	"	"
KR9992	65	66	"	2	5	10	<1	0.62	"	5
KR9993	66	67	"	2	5	10	<1	0.52	"	<5
KR9994	67	69	"	2	5	10	<1	1.48	"	"
KR9995	68	69	"	5	10	10	1	3.60	"	"
KR9996	69	70	"	5	10	40	1	3.40	"	"
KR9997	70	71	"	5	10	10	1	4.40	"	5
KR9998	71	72	"	5	5	10	1	1.38	"	<5
KR9999	72	73	"	2	10	5	<1	1.68	"	<5
KR10000	73	74	"	5	5	5	1	3.80	"	"
KR9901	74	75	"	2	10	5	1	2.80	"	"
KR9902	75	76	"	2	10	10	1	3.20	"	5
KR9903	76	77	"	2	5	10	<1	1.20	"	<5
KR9904	77	78	"	5	5	15	<1	1.52	7	"

AMG Co-ords: 414638E 5405380N.

Ref No 1873 (745) SHEET 3 of 3

GEOPEKO TASMANIA DRILL LOG

Prospect Mariner 6 Hole no. 1.

DEPTH (m) from	to	GRAPHIC LOG	ANGLE TO CORE AXIS Se	Si	GEOLOGICAL DESCRIPTION	Alteration	MINERALISATION py				Fracturing	Sample No.	From (m)	To (m)	Rec (m)	ASSAYS (Lab: A.L.S.) Cu	Pb	Zn	Ag	% Fe	ppb Au	Sn	
78	79											KR 9905	78	79	1	2	5	15	<1	1.20	20	<5	<
79	80											KR 9906	79	80	"	5	2	10	1	1.00	3	"	
80	81			50								KR 9907	80	81	"	5	40	55	1	0.80	<3	10	
81	82				82.2 hematitic sandstone w dyke cutting							KR 9908	81	82	"	5	2	10	1	1.48	3	10	<1
82	83				jasper							KR 9909	82	83	"	5	5	10	1	2.08	3	<5	<<
83	84											KR 9910	83	84	"	5	20	15	<1		<3	"	"
84	85											KR 9911	84	85	"	10	30	15	"	[illegible]	"	"	
85	86											KR 9912	85	86	"	2	15	5	"		"	"	
86	87											KR 9913	86	87	"	5	10	15	"		"	"	"
87	88											KR 9914	87	88	"	5	10	5	"		"	5	"
88	89											KR 9915	88	89	"	5	10	5	"		"	<5	"
89	90											KR 9916	89	90	"	5	10	5	"		"	"	"
90	91											KR 9917	90	91	"	5	15	10	"		"	"	"
91	92											KR 9918	91	92	"	10	15	5	"		"	5	"
92	93											KR 9919	92	93	"	5	10	5	"		"	15	"
93	94											KR 9920	93	94	"	5	10	10	"		"	5	"
94	95											KR 9921	94	95	"	5	10	5	"		"	<5	"
95	96																						
96	97				E.O.H. 96.75m																		

Core held

M

80698