

DIAMOND DRILL LOG

GEOLOGY SHEET

Project *Tasmania Recce* Co-ordinates *approx. 20m southwest of Alliance Main Shaft* Declination *63°* Drilled by *H. J. Steepool*
 Location *LYNDHURST GOLDFIELD Alliance Reef* Elevation Bearing *055° (magnetic)* Drill *Mobile Drill B.10*
 Date commenced *16th December 1981* Date completed *30th December 1981* Logged by *D. A. Hamlyn*

Depth (m)		Core Size	Core (m) Recovered	% Recovery	DESCRIPTION
From	To				
0	8.50		nil	nil	No core
8.50	11.07	NQ	0.60	23%	Broken light grey and khaki silty sandstones with siltstone interbeds
11.07	11.09	NQ	0.02	100%	Quartz vein containing minor sulphides (pyrite)
11.09	17.17	NQ	4.78	79%	Grey silty sandstones
17.17	17.28	NQ	0.06	55%	Dark grey shales
17.28	17.45	NQ	0.16	94%	Grey silty sandstone
17.45	17.53	NQ	0.06	75%	White quartz vein containing minor sulphides
17.53	21.03	NQ	3.22	72%	Grey silty sandstone with occasional shaly interbeds, irregular quartz stringers, generally less than 1mm in width cut the core at approx 115° to core axis, larger quartz veins which are vuggy and contain sulphides, cut core at 19.97m (1cm wide) and a 3mm wide vein at 19.99 with prominent stringers of quartz at 20.35m and 20.78m.
21.03	21.13	NQ	0.10	100%	Snaky band grading into silty sandstone at 21.13.
21.13	21.54	NQ	0.41	100%	Grey silty sandstone
21.54	21.75	NQ	0.21	100%	Dark grey shales
21.75	21.84	NQ	0.09	100%	Grey silty sandstone
21.84	22.09	NQ	0.25	100%	Dark grey shale
22.09	22.29	NQ	0.20	100%	Grey silty sandstone - bedding at 120° to core axis?
22.29	23.82	NQ	1.53	100%	Dark grey shale containing some disseminated sulphides and pyrite on fracture surfaces, narrow vein core at 22.64 to 22.71 containing some quartz and pyrite blebs up to 1.5mm in diameter

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DIAMOND DRILL LOG

Hole No... *A.1.*

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GEOLOGY SHEET

Project... *Tasmania Recce* Co-ordinates... *approx 20 m southwest of Alliance Reef* Declination... *63°* Drilled by... *H. J. Steepool*

Location... *LYNDHURST GOLDFIELD Alliance Reef* Elevation... Bearing... *055° (magnetic)* Drill... *Mobile Drill B 40*

Date commenced... *16th December 1981* Date completed... *30th December 1981* Logged by... *D. A. Hamlyn*

Depth (m)		Core Size	Core (m) Recovered	% Recovery	DESCRIPTION
From	To				
23.82	25.60	NQ	1.79	101%	Grey silty sandstone/quartzite with occasional narrow shaley interbeds and quartz veins at 23.84 (4mm wide) 24.05 (8mm wide, containing sulphides and sericite, at 165° to core axis)
25.60	25.70	NQ	0.10	100%	Dark grey shale
25.70	26.54	NQ	1.06	126%?	Grey silty quartzite with pyrite on fracture surfaces
26.54	26.87	NQ	0.30	9%	Dark grey shale with pyrite on fracture surfaces
26.87	27.79	NQ	0.92	98%	grey silty quartzite
27.79	27.90	NQ	0.09	13%	Vuggy quartz vein containing minor sulphides and sericite
27.90	29.92	NQ	1.10	81%	grey silty quartzite with occasional shaley interbeds and narrow quartz stringers at 28.00, 28.04, 28.05, 28.80 and a 2mm wide quartz vein at 28.91
29.92	30.05	NQ	0.11	100%	Grey silty quartzite containing narrow quartz vein approx 3mm wide which contain some sulphides and sericite and are sub-parallel (110°) to the core axis
30.05	31.74	NQ	0.91	100%	Grey silty quartzite with narrow quartz stringers and veinlets at 30.18 and 30.92
31.74	31.72	NQ	0.18	100%	Dark grey shale with sulphides on fracture surfaces and containing narrow quartz stringers at 31.04 and 31.00, shales grade into quartzite at 31.72
31.72	32.40	NQ	0.19	121%?	Grey silty quartzite with a 2mm wide quartz vein sub-parallel to the core axis from 31.90 to 32.30
32.40	32.76	NQ	0.48	95%	Dark grey shales with more sandy interbeds and sulphides on irregular fracture surfaces
32.76	33.76	NQ	0.80	100%	Grey silty quartzite with minor quartz stringers sub-parallel to the core axis
33.76	34.00	NQ	0.24	100%	Dark grey shale grading into quartzite at 34.00

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DIAMOND DRILL LOG

GEOLOGY SHEET

Project. Tasmania Recce..... Co-ordinates... approx 20 m southwest of Alliance Man. Shaft Declination. 6.3°..... Drilled by. H. J. Steppak.....
 Location. LYNDHURST GOLDFIELD Alliance Reef..... Elevation..... Bearing... 055° (magnetic)..... Drill... Mobile Drill B. 40.....
 Date commenced 16th December 1981 Date completed. 30th December 1981..... Logged by. R. A. Hamlyn.....

Depth (m)		Core Size	Core (m) Recovered	% Recovery	DESCRIPTION
From	To				
34.00	43.05	NQ	9.05	100%	Grey silty quartzite with occasional dark grey shale interbeds with sulphides on fracture surfaces, minor quartz veins at 36.68 (3mm wide) 38.64 (1mm wide) 38.85 (3mm wide) and numerous closely spaced quartz stringers from 41.52 to 41.65
43.05	44.46	NQ	1.27	90%	Dark sandy shale with sulphides on fracture surfaces, core fractured and broken, numerous small irregular quartz veinlets particularly from 43.54 to 43.66 where shale more highly sheared
44.46	47.65	NQ	3.19	100%	Fine grained silty quartzite with very few quartz stringers, small scale fold from 46.33 to 46.44
47.65	47.82	NQ	0.17	100%	Sheared sandy shales with quartz (and siderite?) in fracture zones.
47.82	48.02	NQ	0.20	100%	Massive dark grey silty quartzite
48.02	48.04	NQ	0.02	85%	Yuggy quartz vein containing minor sulphides and sericite?
48.04	48.21	NQ	0.17	100%	Dark grey sandy shale
48.21	49.08	NQ	0.67	77%	Fractured and broken sandy shale
49.08	49.57	NQ	0.49	100%	Dark grey sandy shale
49.57	50.46	NQ	0.35	39%	Fractured and broken sandy shale
50.46	50.61	NQ	0.15	100%	Dark grey sandy shale containing very fine irregular quartz stringers
50.61	52.83	NQ	0.97	44%	Fractured and broken sandy shale with numerous quartz stringers and sulphides on fracture surfaces.
52.83	53.83	NQ	0.98	98%	Dark grey sandy shale containing numerous irregular quartz stringers and veinlets generally trending perpendicular to the core axis.
53.83	55.02	NQ	1.19	100%	Massive dark grey sandy shale.

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DIAMOND DRILL LOG

GEOLOGY SHEET

Project *Tasmania Recce*..... Co-ordinates of *Alliance Main Shaft* ^{*approx 20 m southwest*} Declination *63°*..... Drilled by *H. J. Staproole*.....
 Location *LYNDHURST GOLDFIELD Alliance Reef*..... Elevation..... Bearing *055° (magnetic)*..... Drill *Mobile Drill B40*.....
 Date commenced *16th December 1991* Date completed *30th December 1991*..... Logged by *D. A. Hamlyn*.....

Depth (m)		Core Size	Core (m) Recovered	% Recovery	DESCRIPTION
From	To				
55.02	55.82	NQ	0.80	100%	Dark grey shales with quartz veinlets at 55.05 (1mm wide), 55.23 (2mm wide, wuggy) 55.26 (3mm wide, wuggy) 55.31 (4mm wide) and lesser quartz stringers
55.82	56.22	NQ	0.40	100%	Massive dark grey shale.
56.22	56.37	NQ	0.15	100%	Irregular coarse sandy band within the dark grey shale
56.37	56.46	NQ	0.09	100%	Sheared dark grey shales with irregular quartz veins up to 3mm wide trending sub-parallel to the core axis
56.46	56.56	NQ	0.07	70%	Fractured and broken dark grey sandy shales with quartz in the sheared zones
56.56	57.44	NQ	0.88	100%	Intermixed grey silty quartzite and dark grey sandy shales and numerous irregular quartz veinlets.
57.44	57.45	NQ	0.01	100%	Quartz vein containing some sericite and traces of sulphide, trending at 115° to the core axis
57.45	58.27	NQ	0.82	100%	Grey silty quartzite, sheared 57.51 to 57.60 and sheared with quartz in breccia zone 57.84 to 57.93.
58.27	59.20	NQ	1.03	111%?	Grey silty quartzite with numerous irregular quartz veins from 58.27 to 58.38 quartz vein 8mm wide sub parallel to the core axis from 58.59 to 58.91 with generally perpendicular crosscutting veins at 58.63 (8mm wide) 58.85 (5mm wide), an irregular network of veinlets 58.89 to 58.99 and thin quartz stringers parallel to the core axis from 58.89 to 59.20.
59.20	59.86	NQ	0.66	100%	Intermixed grey silty quartzite and dark grey sandy shale with irregular quartz stringers in brecciated zones and abundant sulphides on fracture surfaces

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GEOLOGY SHEET

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Project... *Tasmania Recce*..... Co-ordinates... *approx 20m southwest of Alliance Main Shaft*... Declination... *63°*..... Drilled by... *H. J. Stapp*.....
 Location... *LYNDHURST GOLDFIELD Alliance Reef*..... Elevation..... Bearing..... Drill... *Mobile Drill B40*.....
 Date commenced... *16th December 1981*... Date completed... *30th December 1981*... Logged by... *D. A. Hamlyn*.....

Depth (m)		Core Size	Core (m) Recovered	% Recovery	DESCRIPTION
From	To				
59.86	60.03	NR	0.17	100%	Grey silty quartzite containing a network of irregular quartz veins containing some sulphides and sericite, quartzite quite massive 59.86 to 59.92 with little veining.
60.03	60.17	NR	0.14	100%	Grey silty quartzite with minor irregular quartz stringers generally subparallel to core axis.
60.17	63.41	NR	3.07	95%	Grey silty quartzite with some silty stringers and numerous quartz veins and stringers randomly orientated, some veins vuggy and engulfing fragments of country rock.
63.41	63.45	NR	0.04	100%	Shaley band truncating narrow quartz vein.
63.45	63.94	NR	0.49	100%	Silty quartzite with quartz veins subparallel to core axis at 63.50 to 63.57, veins trending at 125° to core axis at 63.63, 63.67 and 63.74, and quartz stringers at 205° to core axis at 63.90, also minor sulphides on fracture surfaces.
63.94	63.96	NR	0.02	100%	Quartz vein
63.96	64.10	NR	0.14	100%	Dark grey sandy shale with foliated irregular quartz veins from 64.01 to 64.02 containing minor sulphide and sericite.
64.10	64.43	NR	0.33	100%	Grey silty quartzite with silty stringers and narrow quartz vein subparallel to core axis from 64.10 to 64.26.
64.43	64.56	NR	0.13	100%	Grey silty quartzite, less silty than above, with numerous irregular quartz veinlets and stringers trending at approximately 110° to the core axis.
64.56	64.61	NR	0.05	100%	Silty band with quartz on fractures, trending 220° to core axis.
64.61	66.52	NR	1.91	100%	Grey silty quartzite with shear zone infilled by irregular quartz veinlets and trending at 115° to core axis, from 64.74 to 64.78; minor quartz infilled shear trending at 220° to core axis at 65.27 and minor quartz veinlets at 115° to core axis at 66.18, 66.19, 66.23, 66.26, 66.27.

599033

DIAMOND DRILL LOG

GEOLOGY SHEET

Project... *Tasmania Recce* Co-ordinates *approx. 20m southwest of Moxie (Air Drill)* Declination... *63°* Drilled by... *H. J. Steppock*
 Location... *LYNDHURST GOLDFIELD* Elevation..... Bearing... *055° (magnetic)* Drill... *Mobile Drill B40*
 Date commenced... *16th December 1981* Date completed... *30th December 1981* Logged by... *D. A. Hamlyn*

Depth (m)		Core Size	Core (m) Recovered	% Recovery	DESCRIPTION
From	To				
66.52	68.20	NQ	1.68	100%	Sheared grey silty quartzite with numerous quartz veins and stringers, main quartz veins at 66.52 (12mm wide at 145° to core axis), 66.58 (vegy, 10mm wide at 210° to core axis) numerous stringers from 66.65 to 66.74, an irregular vein from 66.80 to 66.82, veins at 66.86 (13mm wide at 230° to core axis) 66.97 (8mm wide) contain minor sulphides, more intense irregular veining 66.94 to 67.13, irregular veining 67.22 to 67.28 and 67.44 to 67.63, vein 10mm wide at 67.60 and irregular quartz veining from 67.95 to 68.20
68.20	68.94	NQ	0.14	100%	Dark grey silty quartzite, more silty than above, with only very minor quartz stringers
68.94	74.90	NQ	5.96	100%	Massive grey silty quartzite with occasional silty bands and minor quartz veins and stringers, some irregular quartz veining from 71.19 to 71.81, quartz veins at 74.06 (7mm wide) 74.09 (8mm wide) 74.37 (15mm wide) containing small blebs of sulphides, some small irregular veining from 74.49 to 74.51 and a 6mm wide quartz vein at 74.55
74.90	74.96	NQ	0.04	67%	Quartz vein, no visible sulphides but minor sericite.
74.96	76.93	NQ	1.97	100%	Massive grey silty quartzite with minor quartz veins trending at 130° to core axis at 75.1, 75.61 and 76.05.
76.93	77.23	NQ	0.30	100%	Slightly oreccinized grey silty quartzite, vuggy quartz vein 1mm wide at 76.94, vein 20mm wide cut by minor shear and displaced 20mm at 77.04 and vuggy quartz vein 10mm wide at 77.15, all these veins contain small blebs of sulphides, and some smaller sulphide blebs in country rock, small quartz vein at 77.22

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DIAMOND DRILL LOG

GEOLOGY SHEET

034

Project Tasmania Recce Co-ordinates approx 20 m southwest of Alliance Mine Shaft Declination 63° Drilled by H. J. Steepack
 Location LYNDHURST GOLDFIELD Alliance Reef Elevation Bearing 055° (magnetic) Drill Mobil Drill B40
 Date commenced 16th December 1991 Date completed 30th December 1991 Logged by D. A. Hamlyn

Depth (m) From	To	Core Size	Core (m) Recovered	Recovery	DESCRIPTION
77.23	80.40	NQ	3.17	100%	Massive grey silty quartzite with occasional quartz veins and stringers from 77.32 to 77.41, wuggy quartz vein with minor sulphides 12 mm wide at 77.50, small irregular veins at 77.76, 77.86, 77.92, vein 6 mm wide containing minor sulphides and sericite at 78.01, quartz stringer at 78.25, vein 5 mm wide at 78.29, 20 mm wide at 78.49, 6 mm wide at 78.66 also contains minor sulphide, irregular veins from 78.66 to 78.70 and 78.88 to 79.05, dark silty shear semi-parallel to core axis from 78.83 to 79.03 and a band of shaly material running the length of the core from 78.96 to 79.45, narrow quartz veins from 79.52 to 79.62.
80.40	81.41	NQ	1.01	100%	Grey silty quartzite with increased quartz veining, irreg. vein 5 mm wide at 80.42, 5 mm wide trending at 220° to core axis at 80.56, irregular vein 7 mm wide at 80.57, intense veining from 80.69 to 80.73, a large quartz vein 30 mm wide at 80.84 containing some sericite but no visible sulphides, similar barren veins 5 mm wide at 80.91 and 20 mm wide at 80.95; irregular veining from 81.08 to 81.14, vein 10 mm wide at 81.29 and irregular veining from 81.33 to 81.41.
81.41	88.87	NQ	7.46	100%	Massive grey silty quartzite with occasional irregular quartz veinlets and stringers
88.87	89.10	NQ	0.17	74%	Quartzite more silty than above, core broken, veining more abundant, a large quartz vein up to 40 mm wide from 88.98 to 89.05 (approximately)
89.10	89.23	NQ	0.11	85%	Grey silty quartzite
89.23	89.48	NQ	0.25	80%	Fractured and broken grey silty quartzite with irregular quartz stringers
89.48	92.46	NQ	2.99	100%	Grey silty quartzite with occasional quartz veinlets and irregular stringers and some sulphide on fracture surface.
END OF HOLE					

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