

PROJECT/E.L.: Langloh/E.L. 27/79 RIG/METHOD: Fox B80/Diamond TOTAL DEPTH: 30.05 Metres
HOLE NO.: H-o9 CORE SIZE: NQ DRILLER/ASSISTANT: W.B./R.L./T.S.
LOCATION: 483,019 M.E./5,290,022 M.N. COMMENCED: 11/5/82 CORE LOGGED: K. Morrison
COLLAR ELEVATION: 191.93 FINISHED: 12/5/82 GEOLOGIST: K. Morrison

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0.00 - 3.35	OPEN HOLE		PRE COLLAR	
3.35 - 8:27	100	Sandstone	Massive, medium grained lithic arenite. Occasional mud pellet bed, wisps of coaly material. Foreset beds of sst. defined by traces of black organic fragments. Some secondary carbonate? On fracture surfaces. Rock is oxidized.	
8.27 - 8.50	100	Conglomerate	Mudstone pebbles, rounded and flattened. Grades to lithic wacke.	
8.50 - 14.68	100	Sandstone	Massive, medium grained lithic arenite. Minor wisps, pellets of coal mudstone. Some secondary carbonate parallel to bedding. Alternations of oxidized/non oxidized rock. Minor zones (5-10cm) of sub wacke.	Oxidized zone to approx. 14 metres.
14.68 - 15.04	100	Mudstone	Carbonaceous, black - grey, oily.	
15.04 - 16.04	100	Coal	Dull, medium - heavy. Minor bright bands (1-10mm) with blocky fracture. some carbonate replacement in vertical fractures. Abrupt contacts top and bottom.	
16.04 - 17.62	100	Mudstone	Carbonaceous, finely laminated with siltstone.	
17.62 - 17.94	100	Sandstone	Fine lithic with abundant carbonaceous bands, minor siltstone.	
17.94 - 18.10	100	Siltstone	With minor interlaminated mudstone. Undulating cross lamination. Very small scale trough cross bedding in silts.	

PROJECT/E.L.:
HOLE NO.: H-09
LOCATION:
COLLAR ELEVATION:

RIG/METHOD:
CORE SIZE:
COMMENCED:
FINISHED:

TOTAL DEPTH:
DRILLER/ASSISTANT:
CORE LOGGED:
GEOLOGIST:

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
18.10 - 18.41	100	Sandstone	Lithic. Fine - very fine, massive.	
18.41 - 19.12	100	Siltstone	Interbedded, laminated with very fine sst., mudstone. Coaly wisps.	
19.12 - 20.24	100	Coal	Dull, minor bright (2mm - 5cm bands) Medium density to 20.19. Then heavier to 20.24. 12mm bright band at bottom.	
20.24 - 22.91	100	Mudstone	Grey, wavy, undulating lamination with mudstone/siltstone alternation. Fine sst. bands towards bottom (fining-up, with several cycles).	
22.91 - 23.33	100	Siltstone	Cross laminated with carbonaceous bedding traces. Some sharp erosional contacts within the unit. Soft sediment deformation structures. Grades down to fine sst. (fining - up).	
23.33 - 24.24	100	Sandstone	Fine - medium, some cross laminated (finer grained). Secondary pyrite on break surfaces.	
24.24 - 24.73	100	Sandstone	Massive, medium grained lithic arenite.	
24.73 - 25.01	100	Sandstone	Fine grained, with carbonaceous laminations minor siltstone. Abrupt top, bottom contacts.	
25.01 - 30.05	100	Sandstone	Medium, massive lithic arenite. At 25.21, a 5cm laminated mudstone band minor conglomerate bands. Flasers, wisps of coaly debris, especially associated with finer grained sst. but also with pebble conglomerate.	