

**PROJECT/E.L.:** Langloh/EL 27/79      **RIG/METHOD:** Fox B80/Diamond      **TOTAL DEPTH:** 27.00 Metres  
**HOLE NO.:** H-10      **CORE SIZE:** NQ      **DRILLER/ASSISTANT:** W. B./R.L./T.S.  
**LOCATION:** 482,215 M.E./5,289,652 M.N.      **COMMENCED:** 12.5.82      **CORE LOGGED:** K.M.  
**COLLAR ELEVATION:** 145.92      **FINISHED:** 13.5.82      **GEOLOGIST:** K.M.

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0.00-3.40		OPEN HOLE	Pre collar	
3.40-4.70	100	Conglomerate	Lutite pebble conglomerate with lesser lithic arenite, lithic wacke. At 3.85-4.25 a zone of conglomerate with clasts of irregular shaped, non-flattened siltstone. (very little reworking) Rock is oxidized. Some secondary carbonate.	
4.70-12.84	100	Sandstone	Massive lithic arenite. Medium grain size, with some fining-up cycles between 10.26-11.95: Several zones enriched in wisps, flasers of coal + mudstone pellets some blebs secondary carbonate. Between 11.95-12.85 : interbedded conglomerate/sst with upward decrease in size, density of pebbles in each cycle. Clasts = sst. mdst. carbonaceous shale, coal.	Base oxidation = 9.60
12.84-13.00	100	Coal	Dull heavy, sharp, horizontal top contact.	
13.00-14.62	100	Coal	Dull, medium, minor bright bands (<0.5cm) with dirt bads (<1cm), small dirt lenses cleating with secondary carbonate. Slickensided on break surfaces.	Watertable (gamma log) = 13.04
14.62-15.21	49	Mudstone	Grey-black, more carbonaceous at top. Very clayey. Abundant wisps of coaly material	Poor recovery assumed mudstone washed out.

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METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
15.21-16.80	100	Coal	Dull, medium - heavy. Uniform, no dirt bands. Minor pods of dirt, minor cleating, secondary carbonate, bright bands.	
16.80-16.85	100	Mudstone	Carbonaceous, soft, fissile, clayey.	
16.85-17.44	100	Siltstone	Interlaminated with mudstone. Cross lamination in siltstone, coaly wisps in mdst.	
17.44-18.55	83	Mudstone	Grading from siltstone above. Grey, clayey mudstone with carbonaceous material. Very brittle when dry.	Difficult to drill - core chewed and washed out.
18.55-20.35	100	Coal	Dull, medium density. Very uniform with few dirt bands.	
20.35-21.00	86	Mudstone	Abrupt change from overlying coal. At about 20.50 grey mdst. grades to mdst./slst. (fining - up)	
21.00-21.44	100	Siltstone	With alternating, interlaminated mdst. rock readily splits parallel to bedding. Cross lamination defined in silt units.	
21.44-23.47	100	Mudstone	With minor siltstone. Soft sediment deformation structures, minor coaly fragments. Dries and cracks rapidly on exposure.	
23.47-25.04	100	Siltstone	Cross laminated, with minor mudstone.	
25.04-25.75	100	Sandstone	Fine, lithic, with minor siltstone. Small scale cross bedding defined by carbonaceous traces.	

