

Scale	Lithology	Sedimentary structures	Grain size Carbonate Clastic	Fossils, Palaeo- currents	Observations	Processes	Environment	Key
7m					TOP NOT SEEN • Limestone • Full extent could not be observed	Precipitation of CaCO ₃ in low energy conditions	Shallow marine	Sandstone
6m					• Overall red colouration • Well rounded pebble layer at base • Overall unit was massive • Coarse sand grains • Well sorted • Well rounded • Areas where voids were present • Material weathered out • Confirmed by areas where only partial weathering had occurred.	• Increase in energy to allow pebble transportation • Decrease in energy to allow coarse sand deposition • Presence of limestone = fluctuating environment • Voids = weaker/ more easily eroded material • Red colouration of sand = oxidising environment	Limestone = shallow marine Overall dominated by more terrestrial environment as shown by sands & pebble beds. Limestone could have formed as a response to a pause in river flow/ flooding	granules & pebbles Limestones cross bedding fossil rich bed limestone lens weathered void Brachiopod
5m								weathered void Brachiopod
4m								Apparent palaeocurrent direction
3m					• Interbedded sands and limestones • Sands = pink colouration, well sorted, well rounded • Medium-coarse grains • Cross lamination present at base (East palaeocurrent) • Limestone = more continuous at base than further up the sequence.	• Fluctuating energy to allow deposition of both rock types • Well rounded = larger transportation distance • Cross bedding = migration of dunes due to unidirectional flow.	limestone = shallow marine however influxes of sand to allow interbedded unit to form. Unidirectional flow could be due to a river source	Apparent palaeocurrent direction
2m								
1m					• Grey colouration • Presence of fossils • Disarticulated and fragmented shells. • Rock reacted with CO ₂ . • Majority of unit = little to no fossils	• Fragmented & disarticulated = high velocity Pockestae indicate sudden higher energy flow	Likely shallow marine	
0					BASE NOT SEEN			

Additional locality information:

Top bed of limestone (50cm) unable to view in detail due to limited access.