

TABLE I
GENERALIZED STRATIGRAPHY OF THE NEWCASTLE - CESSNOCK AREA

AGE	UNIT		LITHOLOGY	
HOLOCENE	Unconsolidated sediments		Alluvium, marine and aeolean sands and lacustrine muds	
TERTIARY – JURASSIC	Volcanic necks and igneous dykes		Basalt, breccia	
TRIASSIC		Gosford Sub-Group – Terrigal Formation	Sandstone, siltstone, minor claystone	
	Narrabeen Group		Patonga Claystone	Red-brown and light coloured claystone and siltstone, some sandstone
		Clifton Sub-Group	Tuggerah Formation	Light coloured sandstone, red-brown and light coloured claystone and siltstone, minor pebbly sandstone
			Munmorah Conglomerate	Light and dark coloured sandstone, siltstone, pebbly sandstone and conglomerate
PERMIAN	UPPER ? — —	Newcastle Coal Measures	Singleton Coal Measures	Light and dark coloured shale, sandstone, conglomerate and coal
		Tomago Coal Measures		Sandstone, shale, mudstone, minor conglomerates, splitting coal seams
	MIDDLE ? — —	Maitland Group	Mulbring Siltstone	Siltstone, minor claystone, thin sandstone, limestone
			Branxton Formation	Sandstone, siltstone, conglomerate; varying amounts of pebbles and erratics. Muree Sandstone member occurs at top of formation
		Greta Coal Measures		Lenticular conglomerates, sandstone, shale, splitting coal seams
	LOWER ? — † —	Dalwood Group	Farley Formation	Sandstone, siltstone, mudstone; carbonate minerals in matrix of some sediments
			Rutherford Formation	Micaceous siltstone, mudstone, lithic sandstone, with erratics; matrix of sediments often calcareous
			Allandale Formation	Lithic sandstone, tuff, conglomerate
			Lochinvar Formation	Lithic and felspathic sandstone, siltstone, shale, volcanics, with erratics
	CARBONIFEROUS	A suite of rocks including massive volcanics, conglomerates, lithic sandstones, mudstones and varves with erratics; very minor limestone horizons and occasional granite		