

Bedrock Geology

Sedimentary

-  SCOTTISH LOWER COAL MEASURES FORMATION - SEDIMENTARY ROCK CYCLES, COAL MEASURE TYPE
-  ORCHARD LIMESTONE - LIMESTONE
-  PASSAGE FORMATION - SEDIMENTARY ROCK CYCLES, CLACKMANNAN GROUP TYPE
-  INDEX LIMESTONE (SCOTLAND) - LIMESTONE
-  KILBIRNIE MUDSTONE MEMBER - MUDSTONE
-  LIMESTONE COAL FORMATION - SEDIMENTARY ROCK CYCLES, CLACKMANNAN GROUP TYPE
-  LIMESTONE COAL FORMATION - LIMESTONE
-  UPPER LIMESTONE FORMATION - SEDIMENTARY ROCK CYCLES, CLACKMANNAN GROUP TYPE
-  UPPER LIMESTONE FORMATION - LIMESTONE
-  AYRSHIRE BAUXITIC CLAY MEMBER - BAUXITE-CLAY
-  BLACKBYRE LIMESTONE - LIMESTONE
-  BLACKHALL LIMESTONE - LIMESTONE
-  HOSIE LIMESTONES - LIMESTONE
-  HURLET LIMESTONE - LIMESTONE
-  LOWER LIMESTONE FORMATION - SEDIMENTARY ROCK CYCLES, CLACKMANNAN GROUP TYPE

-  LAWMUIR FORMATION - SEDIMENTARY ROCK CYCLES, STRATHCLYDE GROUP TYPE
-  TOP HOSIE LIMESTONE - LIMESTONE
-  KIRKWOOD FORMATION - LIMESTONE
-  KIRKWOOD FORMATION - VOLCANICLASTIC-SEDIMENTARY-ROCK
-  CLYDE PLATEAU VOLCANIC FORMATION - TUFF, BASALTIC
-  GOWK STANE MEMBER - VOLCANICLASTIC ROCKS (BOTH PYROCLASTIC & REWORKED VOLCANIC ROCKS)

Igneous

Extrusive

-  TROON VOLCANIC MEMBER - BASALT AND BASALTIC LAVA
-  FLOW MOSS LAVA MEMBER - BASALT, MICROPORPHYRITIC
-  FLOW MOSS LAVA MEMBER - BASALT, OLIVINE-MACROPHYRIC
-  FLOW MOSS LAVA MEMBER - BASALT, PLAGIOCLASE-OLIVINE-CLINOPYROXENE-MACROPHYRIC
-  FLOW MOSS LAVA MEMBER - BASALTIC-ROCK, PLAGIOCLASE-MACROPHYRIC
-  FLOW MOSS LAVA MEMBER - OLIVINE-BASALT
-  FLOW MOSS LAVA MEMBER - PYROCLASTIC-ROCK, BASALTIC
-  FLOW MOSS LAVA MEMBER - TRACHYTE

-  GOWK STANE VOLCANICLASTIC MEMBER - BASALT, OLIVINE-MACROPHYRIC
-  GOWK STANE VOLCANICLASTIC MEMBER - BASALTIC-ROCK, PLAGIOCLASE-MICROPHYRIC
-  GOWK STANE VOLCANICLASTIC MEMBER - PYROCLASTIC-ROCK, BASALTIC
-  GOWK STANE VOLCANICLASTIC MEMBER - PYROCLASTIC-ROCK
-  GOWK STANE VOLCANICLASTIC MEMBER - TRACHYTE
-  GOWK STANE VOLCANICLASTIC MEMBER - TRACHYANDESITE
-  CLYDE PLATEAU VOLCANIC FORMATION - ANDESITE
-  CLYDE PLATEAU VOLCANIC FORMATION - ANDESITIC-ROCK
-  CLYDE PLATEAU VOLCANIC FORMATION - BASALT AND BASALTIC LAVA
-  CLYDE PLATEAU VOLCANIC FORMATION - BASALT AND HAWAITE
-  CLYDE PLATEAU VOLCANIC FORMATION - BASALT, MICROPORPHYRITIC
-  CLYDE PLATEAU VOLCANIC FORMATION - BASALT, PLAGIOCLASE-OLIVINE-CLINOPYROXENE-MACROPHYRIC
-  CLYDE PLATEAU VOLCANIC FORMATION - BASALTIC-ROCK, PLAGIOCLASE-MACROPHYRIC
-  CLYDE PLATEAU VOLCANIC FORMATION - OLIVINE-BASALT

-  CLYDE PLATEAU VOLCANIC FORMATION - PYROCLASTIC-ROCK
-  CLYDE PLATEAU VOLCANIC FORMATION - TRACHYTIC-ROCK
-  CLYDE PLATEAU VOLCANIC FORMATION - TUFF, TRACHYTIC
-  CLYDE PLATEAU VOLCANIC FORMATION - VOLCANICLASTIC ROCKS (BOTH PYROCLASTIC & REWORKED VOLCANIC ROCKS)
-  DUMDRUFF HILL LAVA MEMBER - ANDESITE
-  DUMDRUFF HILL LAVA MEMBER - BASALT, OLIVINE-MACROPHYRIC
-  DUMDRUFF HILL LAVA MEMBER - PYROCLASTIC-ROCK
-  DUMDRUFF HILL LAVA MEMBER - TRACHYTE
-  DUMDRUFF HILL LAVA MEMBER - TRACHYANDESITE
-  DARVEL LAVA MEMBER - BASALT AND BASALTIC LAVA
-  DARVEL LAVA MEMBER - BASALT, OLIVINE-MACROPHYRIC
-  DARVEL LAVA MEMBER - BASALT, PLAGIOCLASE-OLIVINE-CLINOPYROXENE-MACROPHYRIC
-  DARVEL LAVA MEMBER - PYROCLASTIC-ROCK
-  DARVEL LAVA MEMBER - TRACHYANDESITE
-  EAGLESHAM LAVA MEMBER - ANDESITE
-  EAGLESHAM LAVA MEMBER - BASALT AND BASALTIC LAVA

-  EAGLESHAM LAVA MEMBER - BASALT, MICROPORPHYRITIC
-  EAGLESHAM LAVA MEMBER - BASALT, OLIVINE-MACROPHYRIC
-  EAGLESHAM LAVA MEMBER - BASALT, PLAGIOCLASE-OLIVINE-CLINOPYROXENE-MACROPHYRIC
-  EAGLESHAM LAVA MEMBER - BASALTIC-ROCK, PLAGIOCLASE-MICROPHYRIC
-  EAGLESHAM LAVA MEMBER - BASALTIC-ROCK, PLAGIOCLASE-MACROPHYRIC
-  EAGLESHAM LAVA MEMBER - PYROCLASTIC-ROCK
-  EAGLESHAM LAVA MEMBER - TRACHYTE
-  HARELAW LAVA MEMBER - PYROCLASTIC-ROCK
-  HARELAW LAVA MEMBER - TRACHYTE
-  MOYNE MOOR LAVA MEMBER - BASALTIC-ROCK, PLAGIOCLASE-MACROPHYRIC
-  DINANTIAN INTRUSION (WITHIN MCPAI) - TRACHYTIC-ROCK
-  CLYDE PLATEAU SUBSUITE [OF SSDPV] - BASALT, OLIVINE-MACROPHYRIC
-  CLYDE PLATEAU SUBSUITE [OF SSDPV] - BASALT, PLAGIOCLASE-OLIVINE-CLINOPYROXENE-MACROPHYRIC
-  CLYDE PLATEAU SUBSUITE [OF SSDPV] - PYROCLASTIC-ROCK

-  CLYDE PLATEAU SUBSUITE [OF SSDPV] - TRACHYTIC-ROCK

Intrusive

-  MULL DYKE-SWARM - MAFITE
-  MIDLAND VALLEY CARBONIFEROUS TO EARLY PERMIAN ALKALINE BASIC SILL SUITE - MICROGABBRO
-  MIDLAND VALLEY CARBONIFEROUS TO EARLY PERMIAN ALKALINE BASIC SILL SUITE - QUARTZ-MICROGABBRO
-  UNNAMED IGNEOUS INTRUSION OF UNKNOWN AGE - MAFITE
-  UNNAMED IGNEOUS INTRUSION OF UNKNOWN AGE - MICROGABBRO

Linear Features

-  Coal seam, inferred
-  Drumlin, form line at base
-  Axis of large-scale glacial furrow, generally associated with drumlins
-  Glacial meltwater channel centre line (tail)
-  Glacial meltwater channel centre line, undifferentiated
-  Glacial overflow channel centre line
-  Glacial overflow channel centre line (head)
-  Glacial overflow channel centre line (tail)

					© Crown copyright [and database rights] (2026) AC0000808122 OS OpenData.	Whitelee Windfarm Repowering Scoping Report Bedrock Geology Key		Drg No	7604-240916-8.5b	
								Rev	B	Datum: OSGB36 Projection: TM
	B	07/04/26	GW	Second Issue.				Date	07/04/26	
	Rev	Date	By	Comment				Figure	12.5b	