

Legend
 Site Boundary

Figure 8.6b

Figure 8.6c

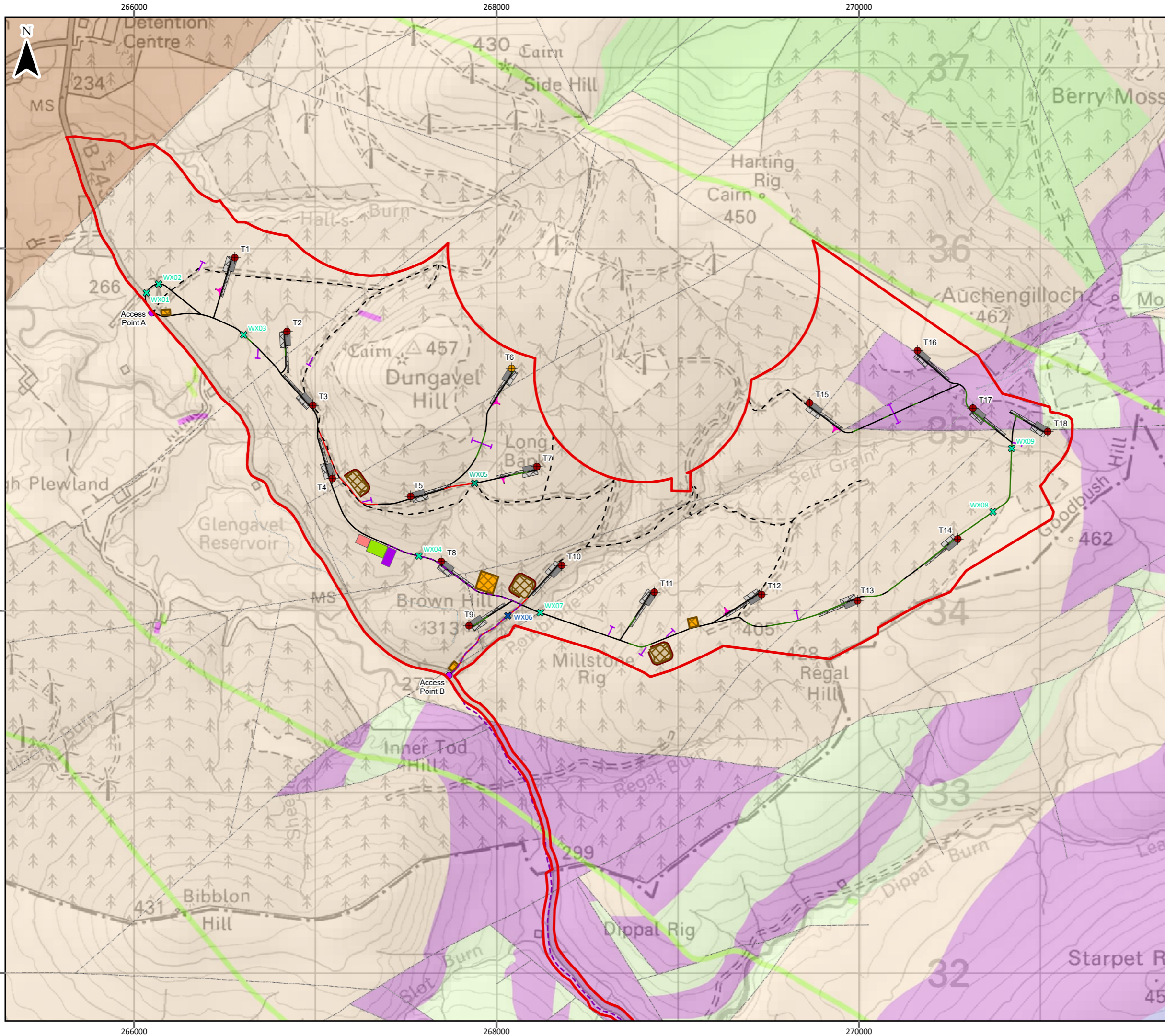
Note:
 Bedrock Geology Legend shown in Figure 8.6d.

Scale 1:35,000 @ A3
 © Crown copyright and database rights 2025. Ordnance Survey AC0000808122
 British National Grid Coordinate System
 Bedrock Geology data obtained via BGS WMS. British Geological Survey ©NERC.
 All Rights Reserved [2025]



Hagshaw Energy Cluster - Western Expansion
 Phase 1
 EIA Report
**Figure 8.6a
 Bedrock Geology**

Date: 31/03/2025 Drawn by: DB Checked by: JC Version: V1



- Legend**
- Site Boundary
 - ◆ Turbine Location (200m to tip)
 - ◆ Turbine Location (230m to tip)
 - Temporary Hardstand
 - Permanent Hardstand
 - Turning Heads
 - Underground Electricity Export Cable(s)
 - Proposed Development Substation
 - SPEN Substation
 - SPEN Temporary Compound & BESS
 - Temporary Construction Compound
 - Borrow Pit and Bund
 - Borrow Pit Surface Water Drain
 - Proposed Access Point
- Access Tracks**
- Existing - Upgraded
 - Floating
 - Cut
 - Existing Forest Road
 - Forestry Spur Road
- WatercourseCrossing**
- ✕ New
 - ✕ Existing - Upgraded
 - ✕ Existing

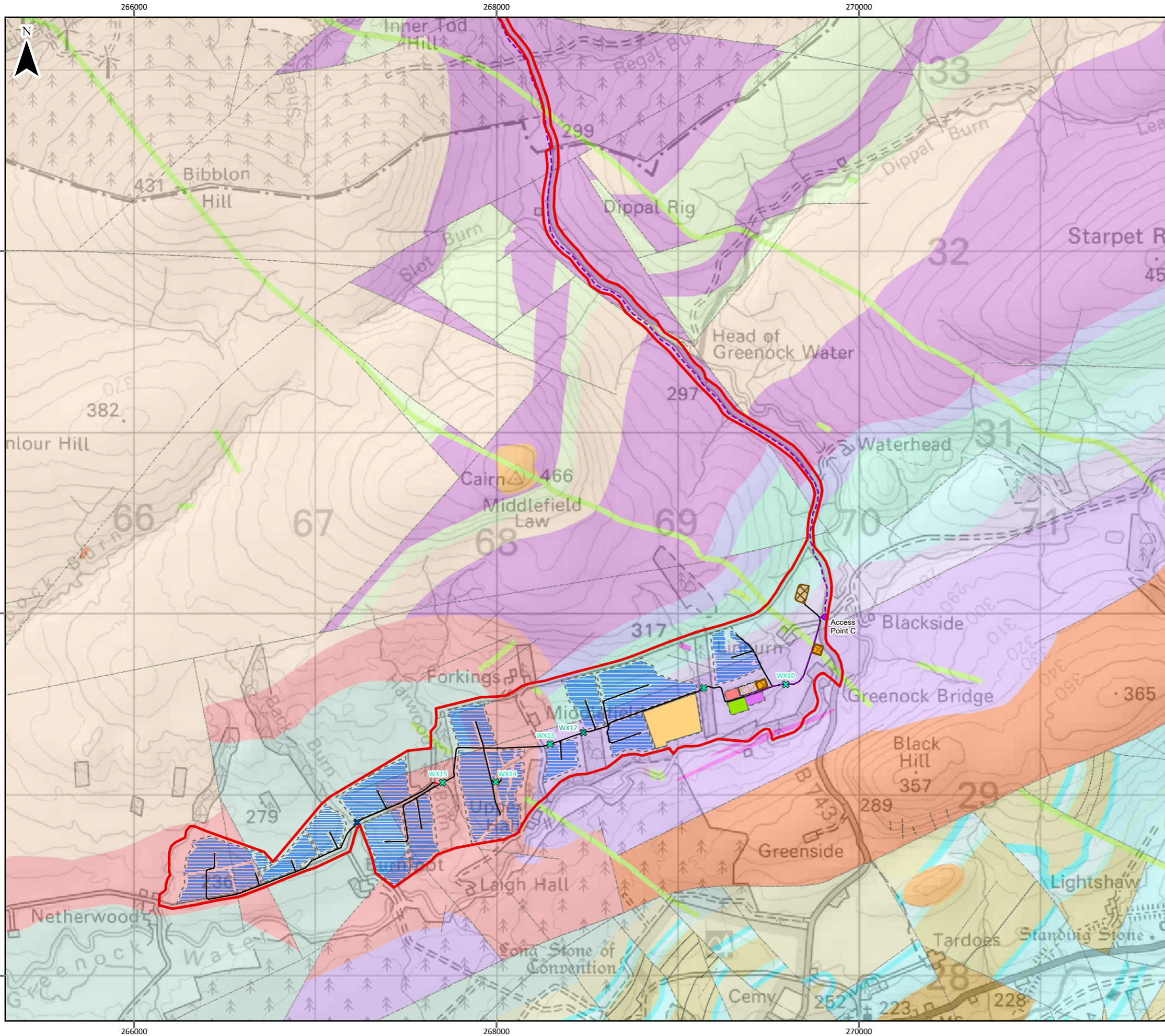
Note:
Bedrock Geology Legend shown in Figure 8.6d.

Scale 1:20,000 @ A3
 © Crown copyright and database rights 2025. Ordnance Survey AC0000808122
 British National Grid Coordinate System
 Bedrock Geology data obtained via BGS WMS. British Geological Survey ©NERC.
 All Rights Reserved [2025]



Hagshaw Energy Cluster - Western Expansion
 Phase 1
 EIA Report

**Figure 8.6b
 Bedrock Geology**



- Legend**
- Site Boundary
 - Underground Electricity Export Cable(s)
 - Solar PV Module
 - Solar Inverter
 - Long Duration Energy Storage
 - Short Duration Energy Storage
 - Proposed Development Substation
 - SPEN Substation
 - SPEN Temporary Compound
 - Temporary Construction Compound
 - Borrow Pit and Bund
 - Security Fence
 - Proposed Access Point
- Access Tracks**
- Existing - Upgraded
 - Cut
- WatercourseCrossing**
- ✕ New
 - ✕ Existing - Upgraded
 - ✕ Existing

Note:
Bedrock Geology Legend shown in Figure 8.6d.

Scale 1:20,000 @ A3
 © Crown copyright and database rights 2025. Ordnance Survey AC0000808122
 British National Grid Coordinate System
 Bedrock Geology data obtained via BGS WMS. British Geological Survey ©NERC.
 All Rights Reserved [2025]



Hagshaw Energy Cluster - Western Expansion
 Phase 1
 EIA Report

Figure 8.6c
Bedrock Geology

Bedrock Geology

Bedrock Geology

-  Ballagan Formation - Argillaceous Rock, Dolostone And Sandstone
-  Birchlaw Limestone - Limestone
-  Blackbyre Limestone - Limestone
-  Calmy Limestone - Limestone
-  Hurlet Limestone - Limestone
-  Index Limestone (scotland) - Limestone
-  Inverclyde Group - Sandstone, Siltstone And Mudstone
-  Lawmuir Formation - Sedimentary Rock Cycles, Strathclyde Group Type
-  Limestone Coal Formation - Sedimentary Rock Cycles, Clackmannan Group Type
-  Lower Limestone Formation - Sedimentary Rock Cycles, Clackmannan Group Type
-  Lyoncross Limestone - Limestone
-  Mcdonald Limestone - Limestone
-  Muirkirk Wee Limestone - Limestone
-  Orchard Beds - Limestone, Mudstone And Calcareous Mudstone
-  Orchard Limestone - Limestone
-  Passage Formation - Sandstone
-  Upper Limestone Formation - Sedimentary Rock Cycles, Clackmannan Group Type
-  Kinnesswood Formation - Limestone, Nodular (cornstone)
-  Kinnesswood Formation - Sandstone
-  Kinnesswood Formation - Silicate-conglomerate, Calcite-cemented (calcrete)
-  Greywacke Conglomerate Formation - Conglomerate





Carboniferous

Devonian / Carboniferous

Devonian / Silurian

-  Quarry Arenite Formation - Sandstone
-  Swanshaw Sandstone Formation - Sandstone
-  Birkenhead Sandstone Formation - Sandstone
-  Blaeberry Formation - Mudstone
-  Castle Formation - Siltstone
-  Dippal Burn Formation - Sandstone, Siltstone And Mudstone
-  Dunside Formation - Sandstone
-  Kip Burn Formation - Mudstone
-  Leaze Formation - Sandstone
-  Logan Formation - Sandstone, Siltstone And Mudstone
-  Middlefield Conglomerate Formation - Conglomerate
-  Monument Formation - Sandstone
-  Patrick Burn Formation - Mudstone
-  Patrick Burn Formation - Wacke
-  Plewland Sandstone Formation - Sandstone
-  Ponesk Burn Formation - Wacke
-  Slot Burn Formation - Mudstone, Siltstone And Sandstone
-  Waterhead Group (cf Glenbuck Group) - Conglomerate, Sandstone And Siltstone

Igneous Rocks

-  Unnamed Igneous Intrusion Of Unknown Age - Agglomerate
-  Unnamed Igneous Intrusion Of Unknown Age - Felsite
-  Unnamed Igneous Intrusion Of Unknown Age - Mafite
-  Unnamed Igneous Intrusion Of Unknown Age - Microgabbro

Silurian / Devonian

Silurian

Unknown

-  Mull Dyke-swarm - Mafite
-  Mull Dyke-swarm - Microgabbro
-  Mull Dyke-swarm - Quartz-microgabbro
-  Midland Valley Carboniferous To Early Permian Alkaline Basic Sill Suite - Camptonite
-  Midland Valley Carboniferous To Early Permian Alkaline Basic Sill Suite - Microgabbro
-  Scottish Late Carboniferous To Early Permian Plugs And Vents Suite - Volcaniclastic-breccia
-  Strathclyde Group - Sedimentary Rock And Lava
-  Duneaton Volcanic Formation - Pyroclastic-rock
-  Distinkhorn Pluton - Diorite
-  North Britain Siluro-devonian Calc-alkaline Dyke Suite - Microdioritic-rock
-  South Of Scotland Granitic Suite - Feldspar-porphry
-  South Of Scotland Granitic Suite - Felsite
-  South Of Scotland Granitic Suite - Microdioritic-rock
-  South Of Scotland Granitic Suite - Quartz-porphry
-  Southern Midland Valley Felsite Sills - Felsite

Palaeogene







Carboniferous / Permian

Carboniferous

Devonian

Silurian / Devonian

Linear Geology

-  Axial Plane Trace of Major Anticline
-  Coal Seam, Inferred
-  Coal Seam, Observed
-  Fault, Inferred, Displacement Unknown
-  Glacial Overflow Channel Centre Line
-  Mineral Vein, Inferred

Bedrock Geology data obtained via BGS WMS. British Geological Survey ©NERC. All Rights Reserved [2025]



Hagshaw Energy Cluster - Western Expansion
Phase 1
EIA Report

Figure 8.6d
Bedrock Geology Legend