279000 280000 281000 282000 283000

632000 631000 630000

N

T1 T2 T3 T4 T5 T6 T7 T8

BP1 BP2 BP3

A B C

Arkney Hill · Henry's Hill · Burnt Rig · Hagshaw Hill · Common Hill · Hagshaw Hill Wind Farm · Broomerside Hill · Avermarks Hill · Old Shielings · Windrow Hill · Rob's Hill · Broadlea Burn · Sheepfold · Douglas West · Outdoor Centre · Scroston · Station Road · Scrogtonhead · Dismantled Railway · Anemometer · Alder Burn · Enclosure · Hagshaw Burn · Smithy Burn · Robshill Burn · Podowrin Burn · High Broomerside · Low Broomerside · Strawberry Hill · Monksfoot · Monksfoot Bridge · Longhouse Hill · Glespin · Douglas Water · Jeanfield Bridge · Hazelside · Weston · Weston Wood · Ladle Knowe Motte · Arnesalloch Bridge · Windrow Cottage · Windrow Wood · Cemetery · Flush Cottage · Dismantled Railway

425.066596.00001.0044.0 Bedrock Geology

0 0.5 1

Kilometres

LEGEND

- Site Boundary
- Study Area 500 m Buffer
- Turbine Location (180 m Tip Height)
- Turbine Location (200 m Tip Height)
- Permanent Crane Hardstanding
- Temporary Crane Hardstanding
- Long Duration Electricity Storage (LDES)
- Development Substation
- Borrow Pit (BP) Search Area
- Temporary Construction Compound

Solar

- Photovoltaic (PV) Module
- Inverter
- Perimeter Fence

Watercourse Crossings

- Existing to be Upgraded
- New

Access Tracks

- Existing
- Existing to be Upgraded
- New

Note: See Figure 9.6b for the bedrock legend.

Strathaven · Lanark · SOUTH LANARKSHIRE · Douglas · Muirkirk · Cumnock · Abington · Leadhills · A71 · A73 · A70 · A702 · M74

3R Energy

SLR

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BEDROCK GEOLOGY

FIGURE 9.6a

Scale 1:15,000 @ A3

Date MARCH 2026

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Linear Geology

Fault, Inferred, Displacement Unknown

Bedrock Geology

Carboniferous

- Blackbyre Limestone – Limestone
- Hurlet Limestone – Limestone
- Lawmuir Formation – Sedimentary Rock Cycles, Strathclyde Group Type
- Lower Limestone Formation – Sedimentary Rock Cycles, Clackmannan Group Type
- Passage Formation – Sedimentary Rock Cycles, Clackmannan Group Type
- Scottish Upper Coal Measures Formation – Sedimentary Rock Cycles, Coal Measure Type
- Upper Limestone Formation – Sedimentary Rock Cycles, Clackmannan Group Type
- Scottish Lower Coal Measures Formation- Sedimentary Rock Cycles, Coal Measure Type

Devonian

- Kinnesswood Formation – Sandstone

Palaeogene

- Mull Dyke-Swarm – Microgabbro
- North Britain Palaeogene Dyke Suite – Basalt
- North Britain Palaeogene Dyke Suite – Mafite

Silurian

- Douglas Water Arenite Formation - Sandstone
- Dovestone Redbeds Formation – Calcareous Mudstone
- Fish Bed Formation – Mudstone, Siltstone and Sandstone
- Glenbuck Group and Monks Water Group (Undifferentiated) – Sandstone, Conglomerate and [Subordinate] Argillaceous Rocks
- Greywacke Conglomerate Formation – Conglomerate
- Gully Redbed Formation – Siltstone
- Hagshaw Group – Mudstone, Siltstone and Sandstone
- Hareshaw Conglomerate Formation – Conglomerate
- Quarry Arenite Formation – Sandstone
- Ree Burn Formation – Wacke
- Smithy Burn Siltstone Formation – Siltstone
- Swanshaw Sandstone Formation – Sandstone
- South Of Scotland Granitic Suite-Microdioritic-rock

425.066596.00001.0062.0 Bedrock Geo Leg

Note: Legend for bedrock layer shown in Figure 9.6A

3R Energy

SLR

HAGSHAW HILL III ENERGY PROJECT

EIA REPORT

BEDROCK GEOLOGY LEGEND

FIGURE 9.6b

Scale

Date FEBRUARY 2026

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