## Geology, Soils and Groundwater Part 1

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</table>
Superficial Geology:

- Alluvial Fan Deposits - Gravel, Sand, Silt and Clay
- Alluvium - Clay, Silt, Sand and Gravel
- Alluvium - Sand, Gravel and Boulders
- Ardverikie Till Formation - Diamicton
- Glaciofluvial Ice Contact Deposits - Gravel, Sand and Silt
- Glaciofluvial Sheet Deposits - Gravel, Sand and Silt
- Glaciofluvial Sheet Deposits - Sand, Gravel and Boulders
- Head - Gravel, Sand, Silt and Clay
- Hummocky (Moundy) Glacial Deposits - Diamicton, Gravel, Sand and Silt
- Hummocky (Moundy) Glacial Deposits - Sand, GRAvel and Silt
- Hummocky (Moundy) Glacial Deposits - Sand, Gravel and Boulders
- Lacustrine Deposits - Clay, Silt and Sand
- Peat - Peat
- River Terrace Deposits (Undifferentiated) - Gravel, Sand, Silt and Clay
- River terrace Deposits (Undifferentiated) - Sand and Gravel
- Talus - Rock Fragments, Angular, Undifferentiated Source Rock
- Till, Devensian - Diamicton
- Worked Ground (Undivided) - Void
- Made Ground (Undivided) - Artificial Deposit
### Designated Sites:
- **Site of Special Scientific Interest (SSSI)**
- **Geological Conservation Review Site (GCR)**

### Superficial Geology and Geodiversity Features:
- Alluvial Fan Deposits
- Hummocky (Moundy) Glacial Deposits - Gravel, Sand and Silt
- Non-designated Geodiversity Site (SNH)

### Existing Features:
- Existing Rock Cutting Concealed by Vegetation
- Existing Rock Exposures

### Existing Rock Exposures ID:
- P09-RE01
- P09-RE02
- P09-RE03

### Loch Tairbh Kettlehole:
- Loch Etteridge (SSSI)
- Loch Etteridge (GCR)

### Legend:
- Proposed Scheme Extents
- Existing Dualled
- Existing Single
- Alluvial Fan Deposits
- Hummocky (Moundy) Glacial Deposits - Gravel, Sand and Silt
- Non-designated Geodiversity Site (SNH)
- Existing Rock Cutting Concealed by Vegetation
- Existing Rock Exposures
- Existing Rock Exposures ID

### Scale:
1:30000

### Map Details:
- CH2M
- Project 9 Crubenmore to Kincraig EIA
- Baseline Plan
- Designated and Non-Designated Geology / Geodiversity Features

### Date:
25/07/2018

### Author:
HA

### Revision:
C01

### Project:
495298

### Design:
CK

### Drawn:
HA

### Checked:
CK

### Approved:
JF

### Comments:

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1. **to Perth**
2. **to Inverness**

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End of Project 9 (ch. 56+645)

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Start of Project 9 (ch. 40+000)
to Perth

to Inverness

Legend

- Proposed Scheme Extents
- Existing Dualled
- Existing Single

Priority Peatland Class:

-2 Non-soil (i.e. loch, built up area, rock and scree)
0 Mineral soils, Peatland habitats are not typically found on such soils.
4 Area unlikely to be associated with peatland habitats or wet and acidic type + Area unlikely to include carbon-rich soils

DRAFT FOR COMMENT

HA

JF

APR 18

S3

P01

DESIGN UPDATE

HA

JF

MAY 18

S3

P02

FINAL REVISIONS

HA

JF

JUNE 18

S3

P03

SCALE 1:30000

PROJECT 9 CRUDBEAMORE TO KINCRAIG EIA
BASELINE PLAN
SNH CARBON AND PEATLAND MAP

DESIGN

HA

JF

DRAFT

30.06.2018

REVISION

SIGN

18.07.2018

SUBMIT

APPRO

27.07.2018

ENGINEER

18.07.2018

DATE: 18/07/2018

DESIGN: HA

DRAWN: JF

CHECK: HA

APPROVED: JF

REV: S3

P01

P02

P03
PROJECT 9 CRUBENMORE TO KINCRAIG EIA ASSESSMENT PLAN
PEAT SURVEY RESULTS change 50000 to 51800

to Perth

to Inverness
to Inverness

to Perth

Legend

- Proposed Scheme Details
- Flooding Considerations

- Compensatory Storage Areas
- Assessment Boundary - Permanent Works
- Assessment Boundary - Temporary Works

Ground Investigations and Peat Probing Locations:
- City of Falkirk Stage 1 Peat Survey (2017)
- City of Falkirk Stage 2 Supplementary Peat Survey (2017)
- Advanced Ground Investigations Peat Probes (2014)

Ground Investigations and Peat Coring Locations:
- Preliminary Ground Investigation Peat Core (2017)
- Preliminary Ground Investigation Boreholes/Trial Pits (2017)
- Advanced Ground Investigation (2015)

Peat Model:
- Depth Contours (m bgl)
- Peat Contour Lines (1m bgl)

Contour Labels (m bgl)
- 0 - 0.5
- 0.5 - 1
- 1 - 1.5
- 1.5 - 2
- 2 - 2.5
- 2.5 - 3
- 3 - 3.5
- 3.5 - 4

SCALE 1:5000

0 125 250 Metres

Project: CRUDBEMORE TO KINCRAG EIA
Assessment Plan
Peat Survey Results
Chainage 53200 to 54600

Date: 17/07/2018

Design: CH2M

Drawn by: CK
Checked by: CK
Reviewed by: JF

Design Update: MAY 18 S3 P02

Final Revisions: JUNE 18 S3 P03

Draft for Comment: APR 18 S3 P01