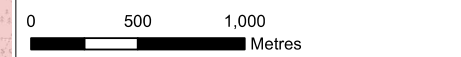


- Legend**
- Route option
  - 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock**
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTH-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laurenceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

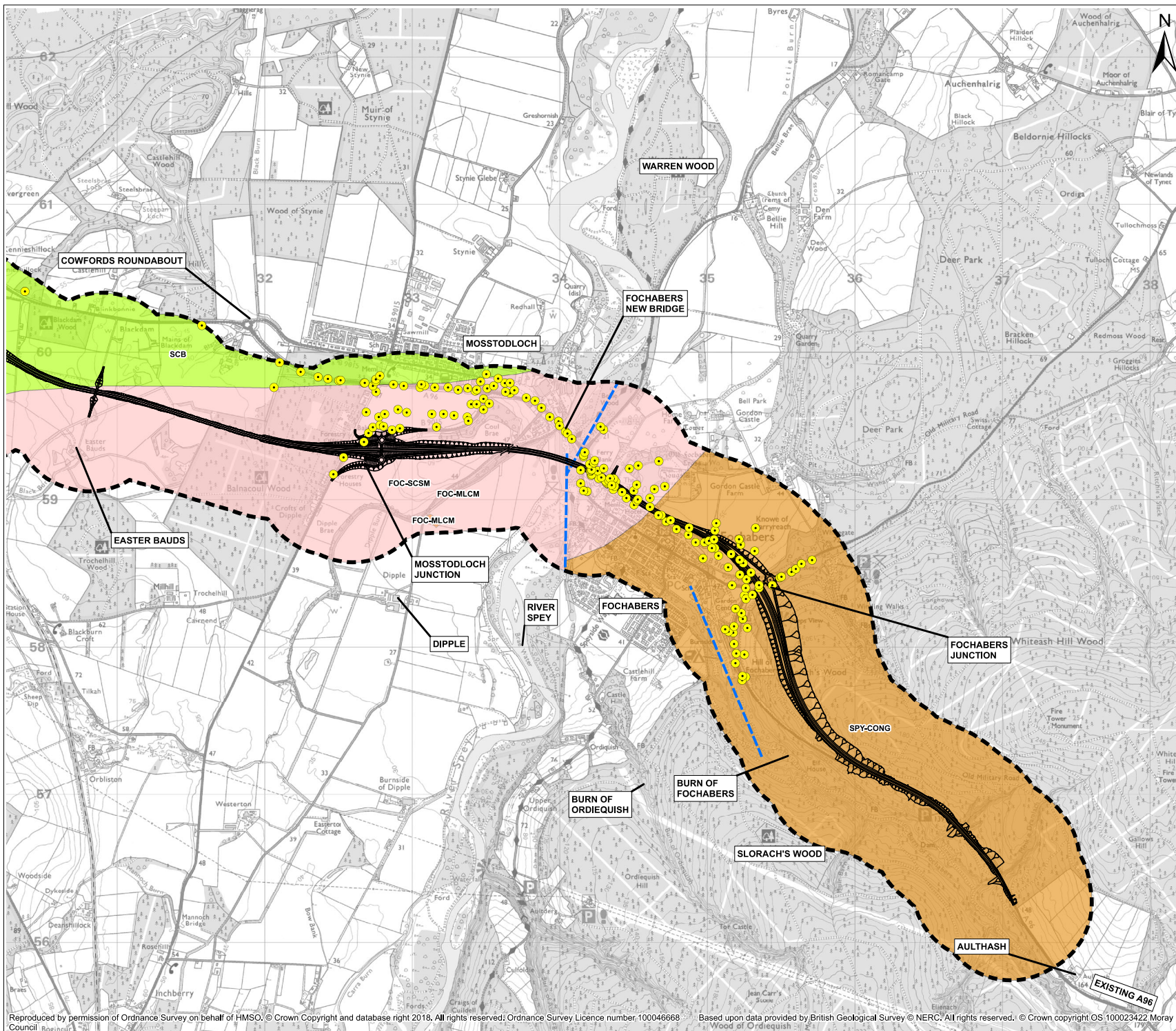


**Project**  
**A96 DUALLING**  
**HARDMUIR TO FOCHABERS**

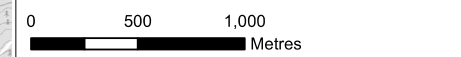
**Drawing Title**  
**FIGURE 7.9 LHANBRYDE TO EAST OF FOCHABERS**  
**NORTH OPTION SOLID GEOLOGY**  
**SHEET 1 OF 2**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00025	A2

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which the Mott MacDonald Sweco (MMS) Joint Venture was commissioned. MMS accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify MMS for all loss or damage arising therefrom.



- Legend**
- Route option
  - 500m Buffer
  - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock**
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTH-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laurenceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

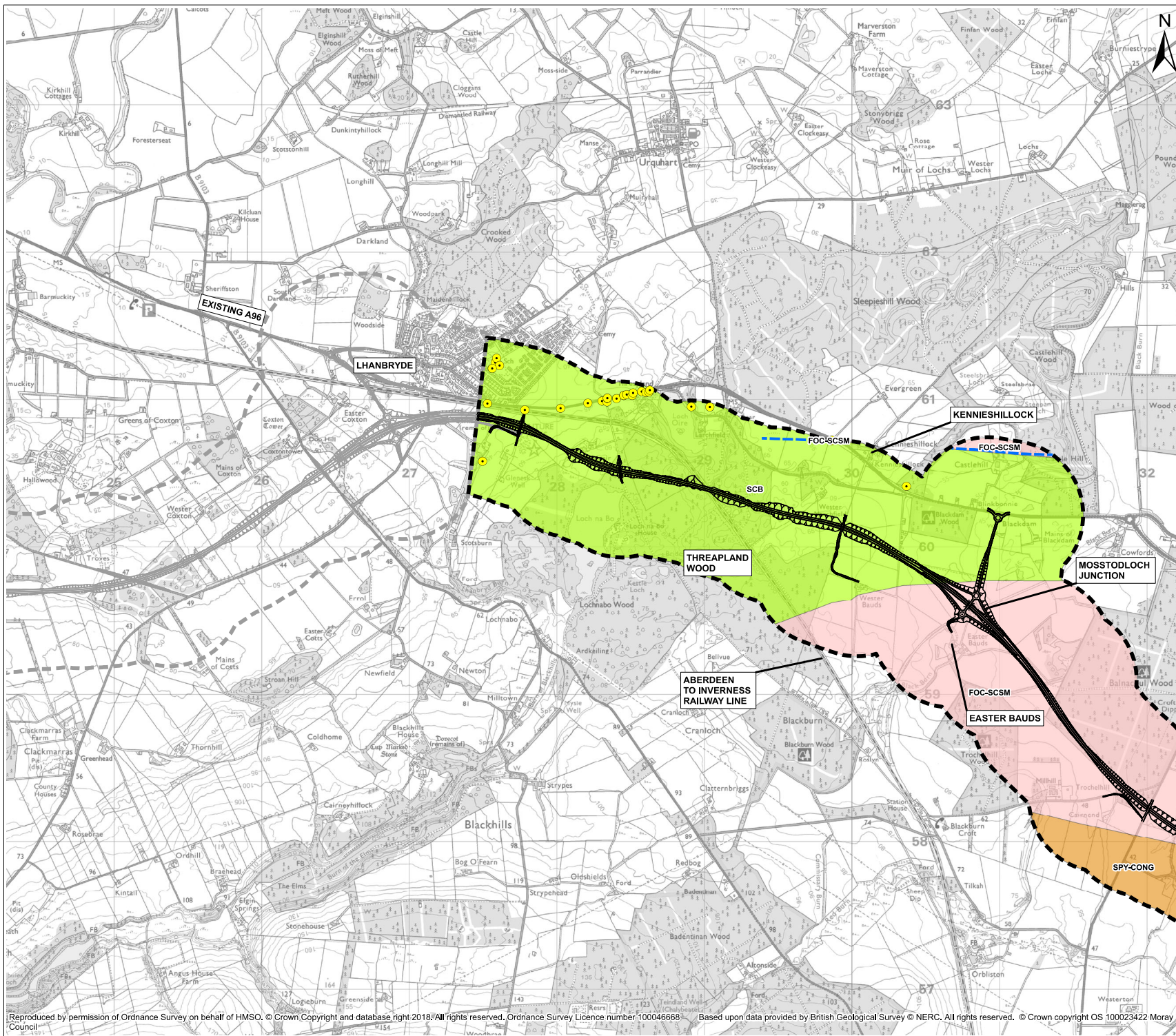


Project  
**A96 DUALLING  
HARDMUIR TO FOCHABERS**

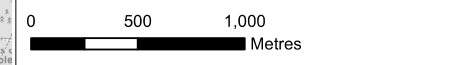
Drawing Title  
**FIGURE 7.10 LHANBRYDE TO EAST OF FOCHABERS  
NORTH OPTION SOLID GEOLOGY  
SHEET 2 OF 2**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00026	A2

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which the Mott MacDonald Sweco (MMS) Joint Venture was commissioned. MMS accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify MMS for all loss or damage arising therefrom.



- Legend**
- Route option
  - ⊞ 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock**
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTH-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laurenceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	Appr'd

**Mott MacDonald Sweco**

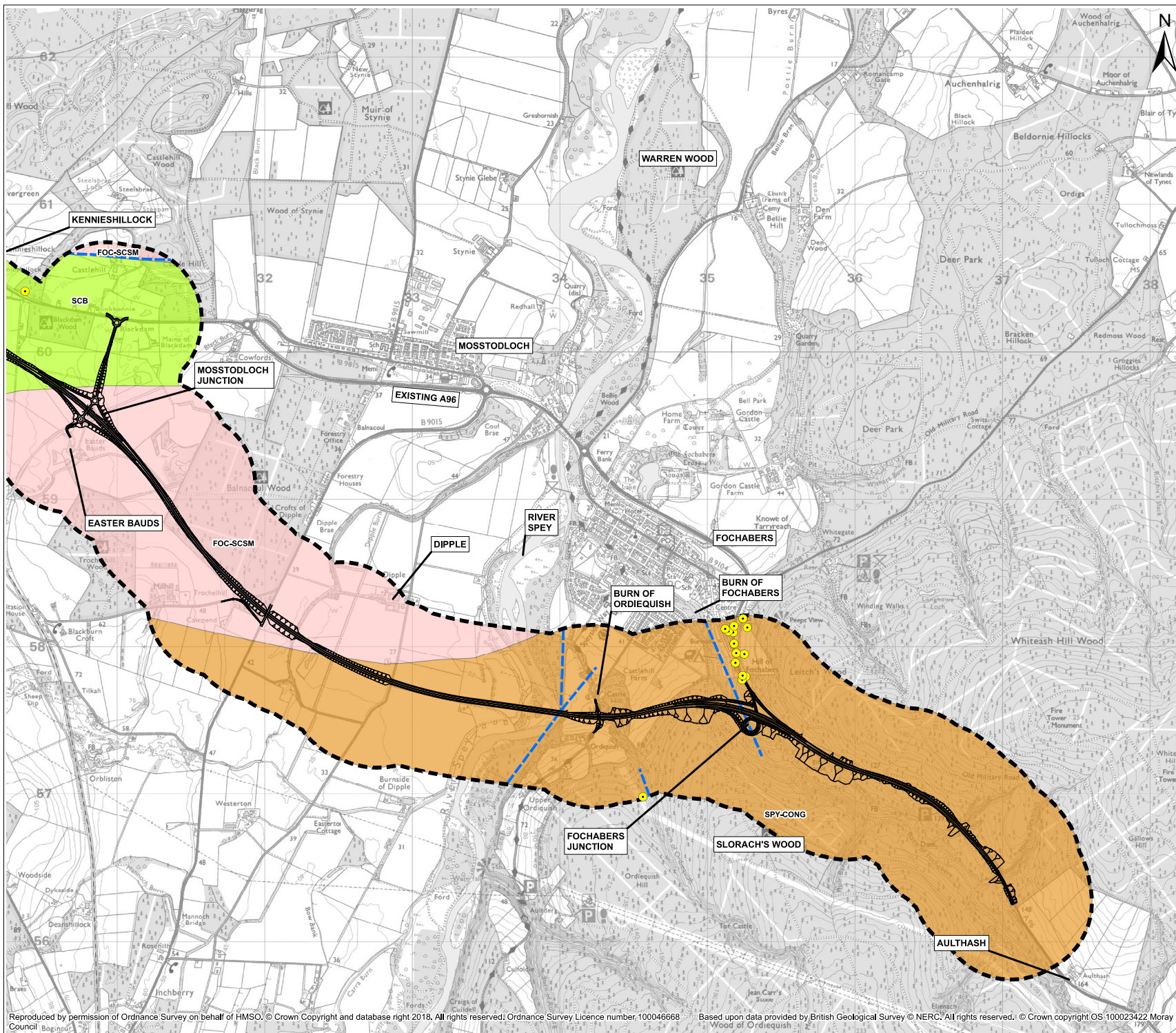


Project  
**A96 DUALLING  
HARDMUIR TO FOCHABERS**

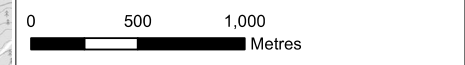
Drawing Title  
**FIGURE 7.11 LHANBRYDE TO EAST OF FOCHABERS  
SOUTH OPTION SOLID GEOLOGY  
SHEET 1 OF 2**

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00027	A2

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which the Mott MacDonald Sweco (MMS) Joint Venture was commissioned. MMS accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify MMS for all loss or damage arising therefrom.



- Legend**
- Route option
  - ⊞ 500m Buffer
  - - - Inferred fault
  - Borehole - The Moray Council
  - Borehole - British Geological Survey
- Solid geology - bedrock**
- ALB-PESST, Alves Formation
  - ALB-PESST, Alves Formation
  - ALB-SCAR, Alves Formation
  - BOTH-LMST, Boathill Limestone Member
  - CS, Cornstone Group
  - DRB-SDSL, Dunrobin Bay Formation
  - ELCA-CALSST, Elgin Calcrete Formation
  - FOC-MLCM, Fochabers Sandstone Formation
  - FOC-SCSM, Fochabers Sandstone Formation
  - FSA-SDST, Forres Sandstone Group
  - HMSF-SDST, Hopeman Sandstone Formation
  - INS-SDST, Inverness Sandstone Group
  - KISA-LMST, Kingsteps Sandstone Formation
  - KISA-PESST, Kingsteps Sandstone Formation
  - KISA-SDST, Kingsteps Sandstone Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NETH-PSAMM, Nethybridge Psammite Formation
  - NSTN-SDST, Nairn Sandstone Member
  - ORS-SC, Old Red Sandstone, Undivided Sandstone and Conglomerate
  - RBB-SDST, Rosebrae Beds, Sandstone
  - RBB-SDST, Rosebrae Beds, Sandstone with Clay pellets
  - SCB, Scaat Craig Beds
  - SPY-CONG, Spey Conglomerate Formation
  - STOT-SCHL, Stotfield Cherty Rock Formation
  - WESTL-CONG, Wester Laurenceton Conglomerate Member



C01	27/11/2018	Approved as Stage Complete	JB	SR
Rev.	Rev. Date	Drawing Suitability	Drawn	App'd

**Mott MacDonald Sweco**



Client  
**A96 DUALLING**  
 HARDMUIR TO FOCHABERS

Project  
**A96 DUALLING**  
 HARDMUIR TO FOCHABERS

Drawing Title  
**FIGURE 7.12 LHANBRYDE TO EAST OF FOCHABERS**  
 SOUTH OPTION SOLID GEOLOGY  
 SHEET 2 OF 2

Scale @ A3	1:25,000	DO NOT SCALE
Project No.	117880	Status
BIM No.	A96PHF-MMS-EGT-00000-DR-GE-00028	A2

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which the Mott MacDonald Sweco (MMS) Joint Venture was commissioned. MMS accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. Any party which breaches the provisions of this disclaimer shall indemnify MMS for all loss or damage arising therefrom.