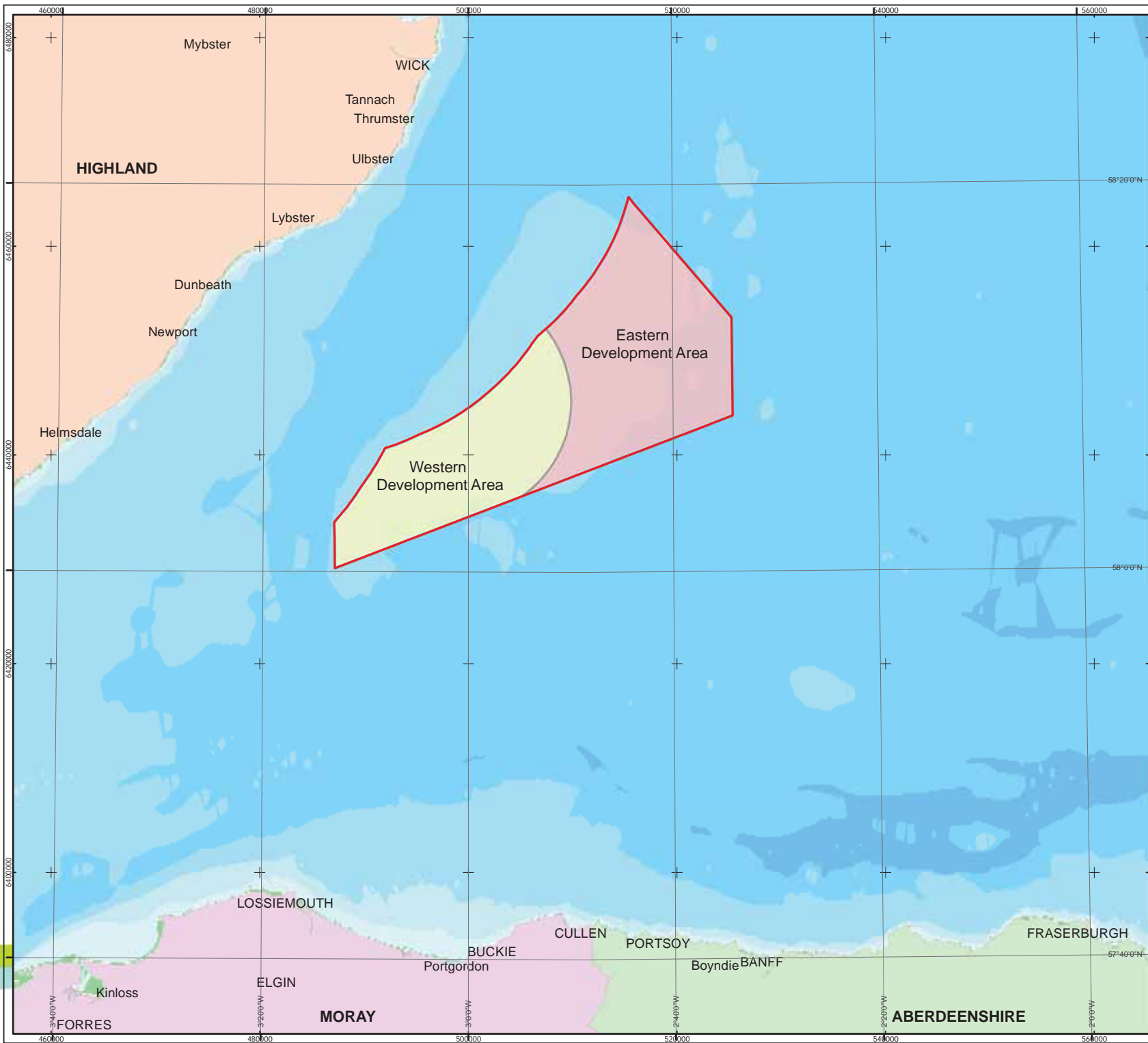


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**Moray Offshore Renewables Ltd**

**KEY**

- MORL Zone Boundary
- Eastern Development Area
- Western Development Area



Horizontal Scale: 1:350,000 A3 Chart  
 0 8,700 17,400 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

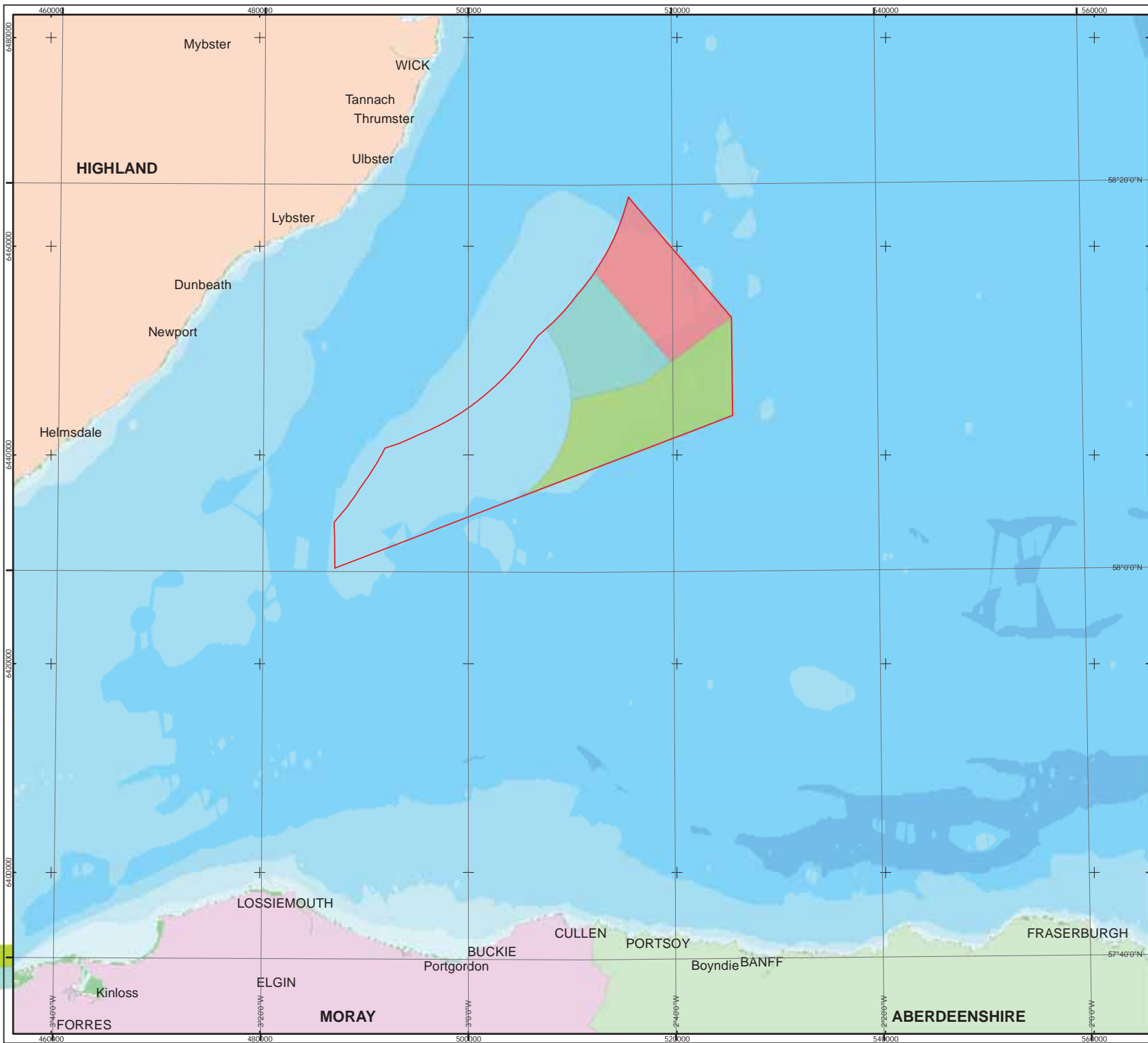
Produced: ES  
 Reviewed: PM  
 Approved: SP

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0240-MOR-MAP-002

**Figure 1.1-1 MORL Development Areas**

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**Moray Offshore Renewables Ltd**

**KEY**

- MORL Zone Boundary
- MacColl Wind Farm
- Stevenson Wind Farm
- Telford Wind Farm

**Bathymetry (m)**

- >10000
- <=10000
- <=5000
- <=1000
- <=500
- <=100
- <=50
- <=20
- <=10
- >=0

Horizontal Scale: 1:350,000      A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

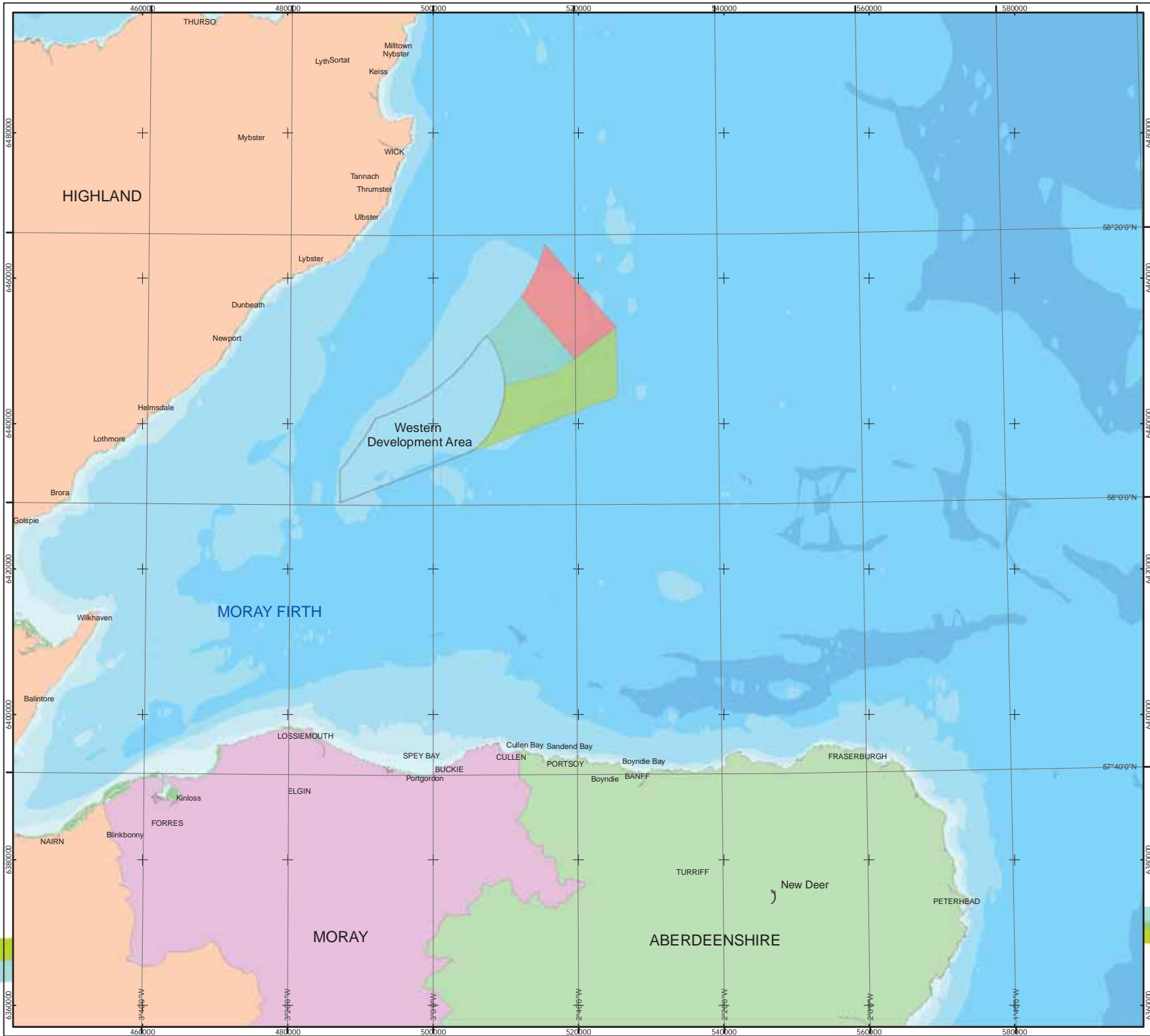
Produced: ES  
 Reviewed: PM  
 Approved: SP

Date: 26/06/2014      Revision: A  
 REF: 8460001-PSO0240-MOR-MAP-002

**Figure 1.1-2 MORL Zone Boundaries**

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**Moray Offshore Renewables Ltd**

**KEY**

) Grid Connection Interface Point

- MacColl Wind Farm
- Stevenson Wind Farm
- Telford Wind Farm

**Bathymetry (m)**

- >10000
- <=10000
- <=5000
- <=1000
- <=500
- <=100
- <=50
- <=20
- <=10
- >=0

Horizontal Scale: 1:500,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

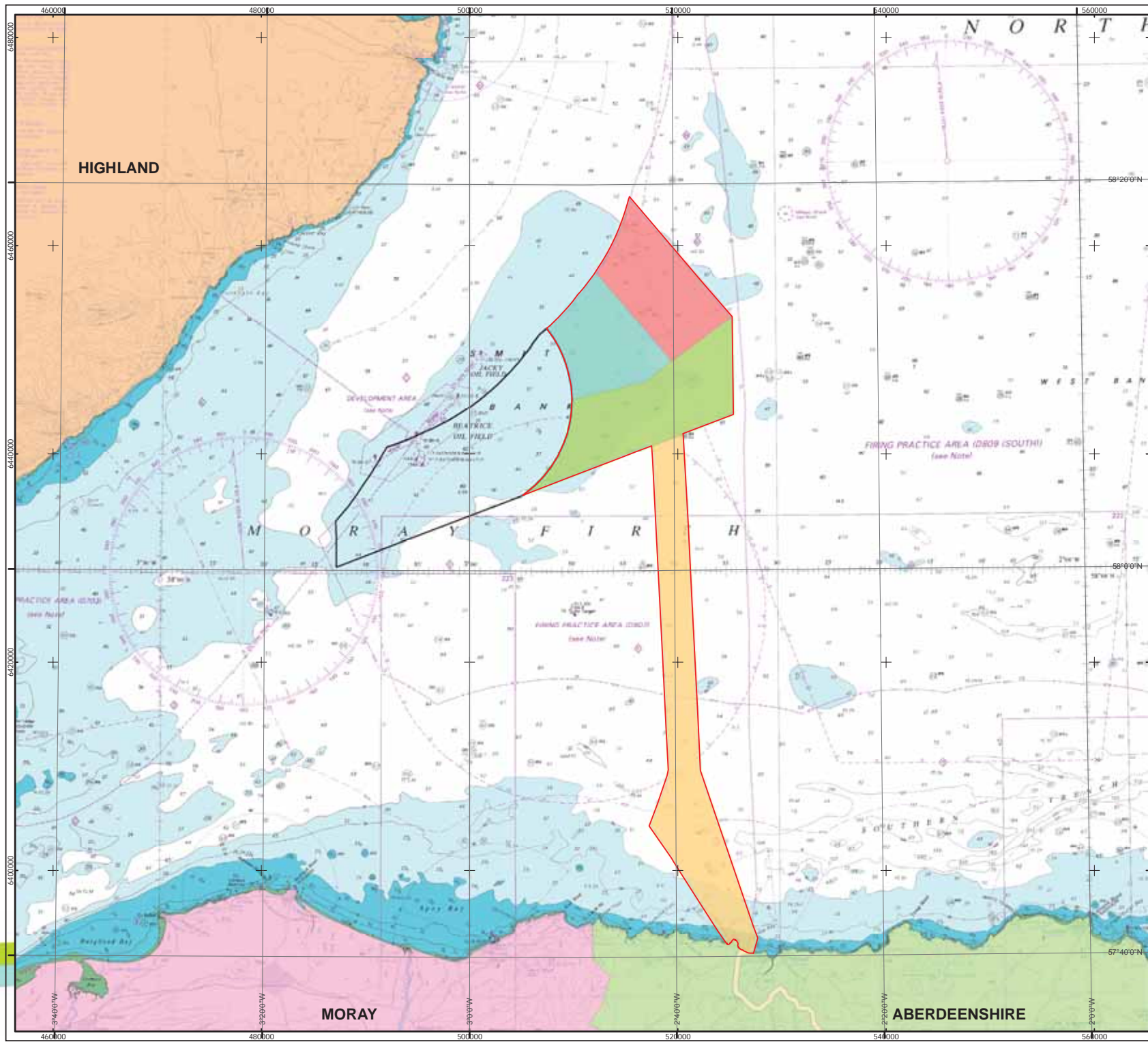
Produced: ES  
 Reviewed: PM  
 Approved: SP

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0240-MOR-MAP-003

**Figure 1.1-3 Development Areas & Grid Connection Point**








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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Offshore Transmission Infrastructure
-  Modified Offshore Export Cable Route Corridor
-  Modified Onshore Export Cable Route Corridor
-  MacColl Wind Farm
-  Stevenson Wind Farm
-  Telford Wind Farm
-  Western Development Area

Horizontal Scale: 1:350,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

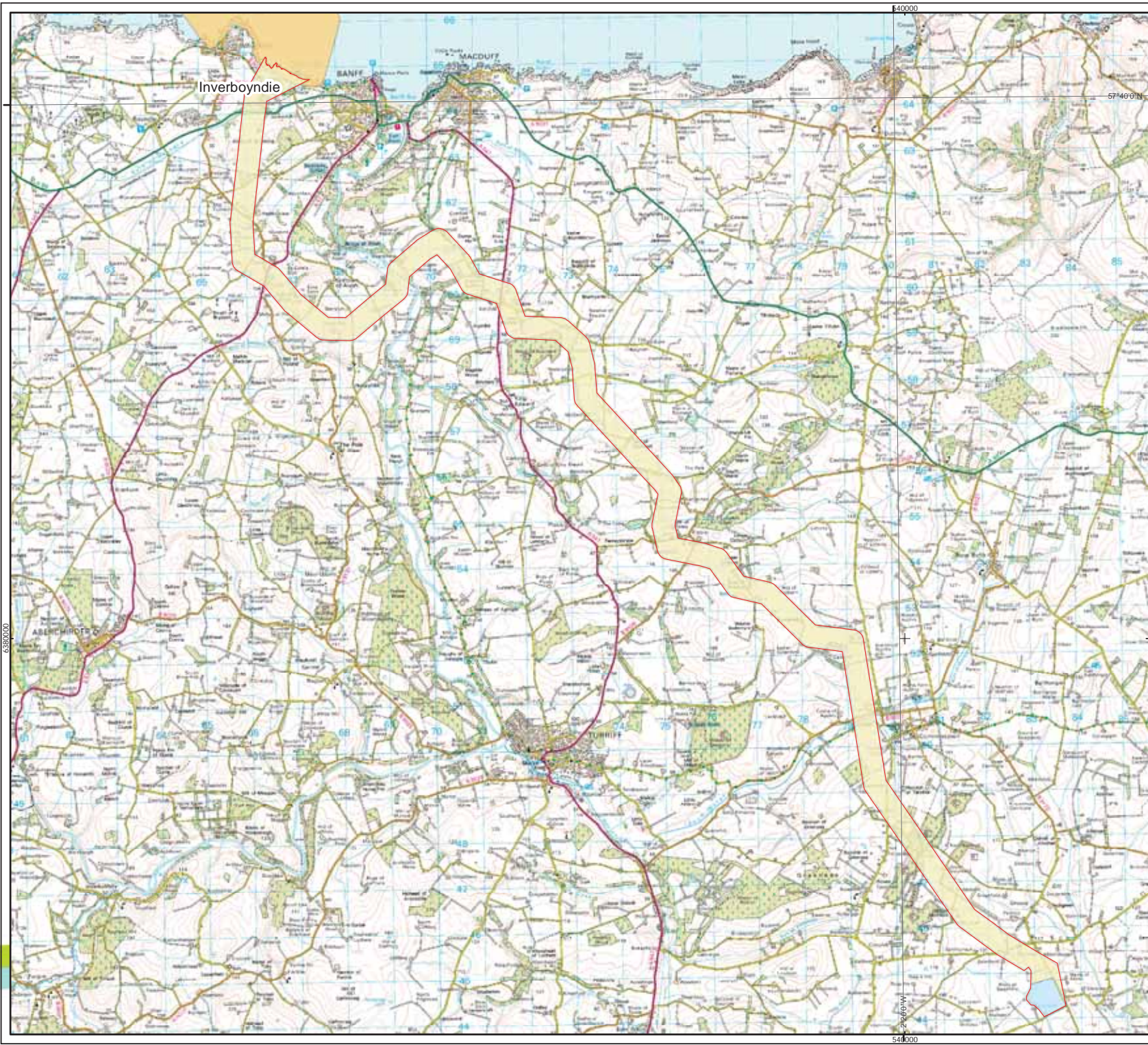
Produced: ES  
Reviewed: PM  
Approved: SP

Date: 26/06/2014 Revision: A  
REF: 8460001-PSO0240-MOR-MAP-004

**Figure 1.1-4 MORL Modified Offshore Cable Route**





Moray Offshore Renewables Ltd

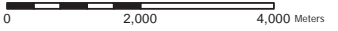
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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Onshore Transmission Infrastructure
-  Modified Onshore Export Cable Route Corridor
-  Modified Offshore Export Cable Route Corridor
-  Substation Area

Horizontal Scale: 1:80,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

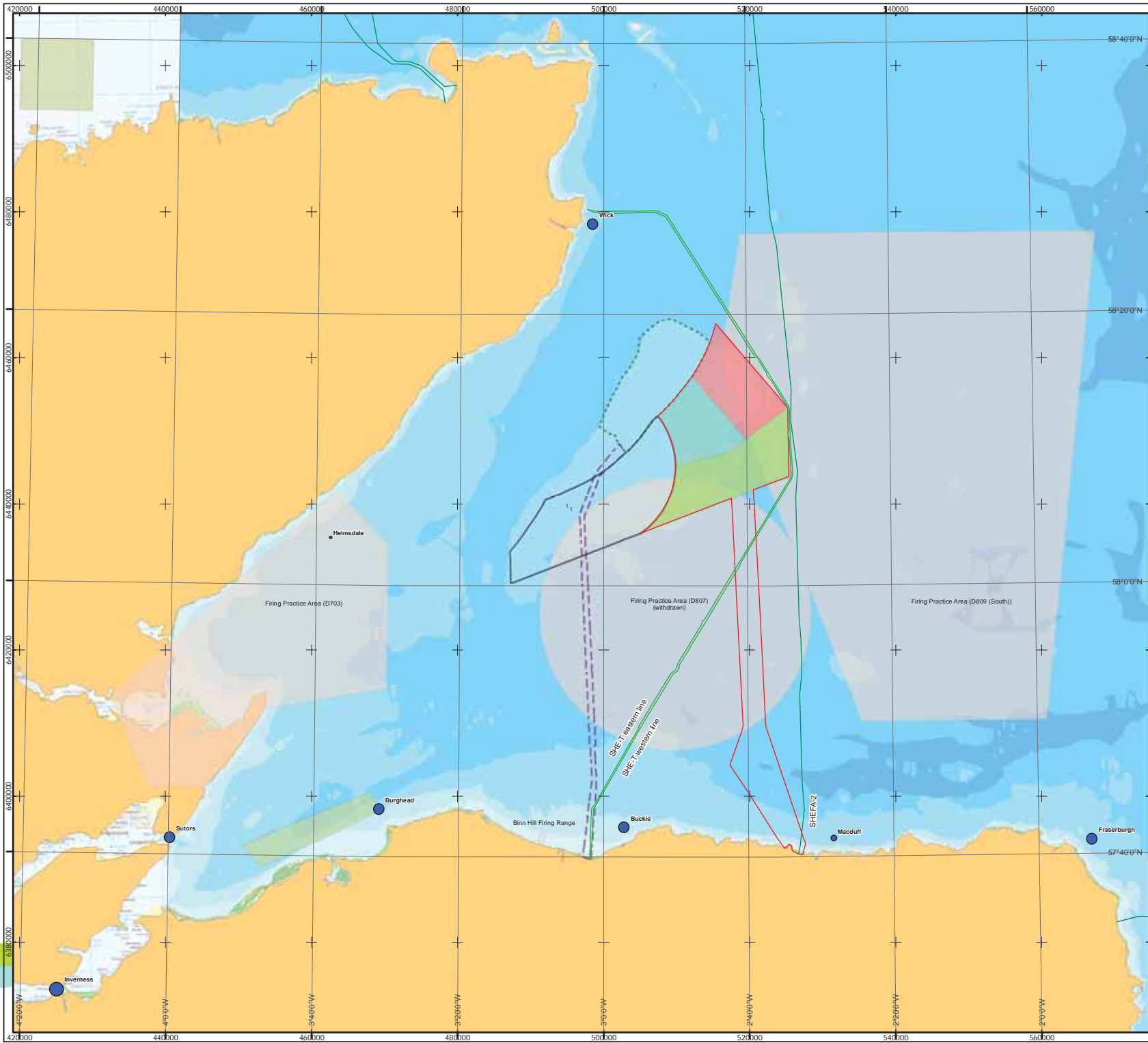
Produced: ES  
Reviewed: PM  
Approved: SP

Date: 26/06/2014 Revision: A  
REF: 8460001-PSO0240-MOR-MAP-005

Figure 1.1-5 MORL Modified Onshore Cable Route

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**Moray Offshore Renewables Ltd**

**KEY**

- Beatrice Demonstration Turbines
- Open disposal sites: average tonnage 2005-09**
- <2500
- 2500 - 5000
- 5000 - 10000
- 10000 - 15000
- 15000 - 20000
- Cables and Pipelines
- ▭ Modified Offshore Transmission Infrastructure
- ▭ MacColl
- ▭ Stevenson
- ▭ Telford
- ▭ Western Development Area
- ⋯ BOWL Zone Boundary
- ⋯ BOWL Export Cable Corridor
- ▭ Military Danger Areas
- ▭ Tidal Energy Lease
- ▭ Wave Energy Lease

Horizontal Scale: 1:500,000 A3 Chart  
 0 8,100 16,200 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

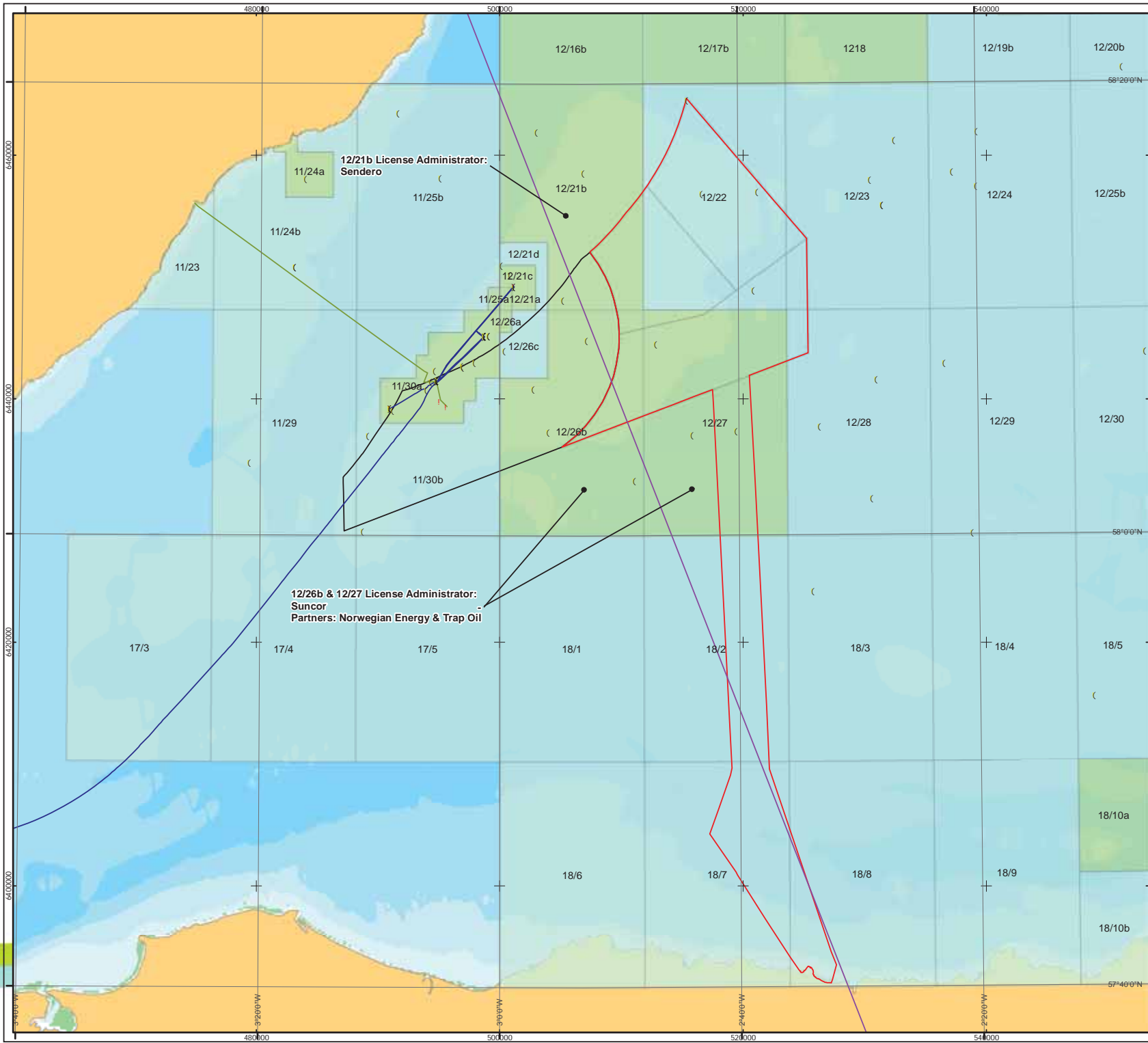
Produced: ES  
 Reviewed: SW  
 Approved: PM

Date: 24/06/2014 Revision: A  
 REF: 8460001-PSO0181-MOR-MAP-001

**Figure 5.7-1 Human Activities in the Moray Firth**

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**Moray Offshore Renewables Ltd**

**KEY**

- ) Beatrice AP Platform
- ) Beatrice AD Platform
- ) Beatrice B Platform
- ) Beatrice C Platform
- ) Jacky Platform
- Beatrice Demonstrator Turbines
- ( Wellheads
- Helicopter Main Route
- Subsea Cables
- Pipelines
- Blocks currently under license
- 28th Round blocks on offer
- Modified Offshore Transmission Infrastructure
- Western Development Area

Horizontal Scale: 1:300,000 A3 Chart  
 0 5,000 10,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

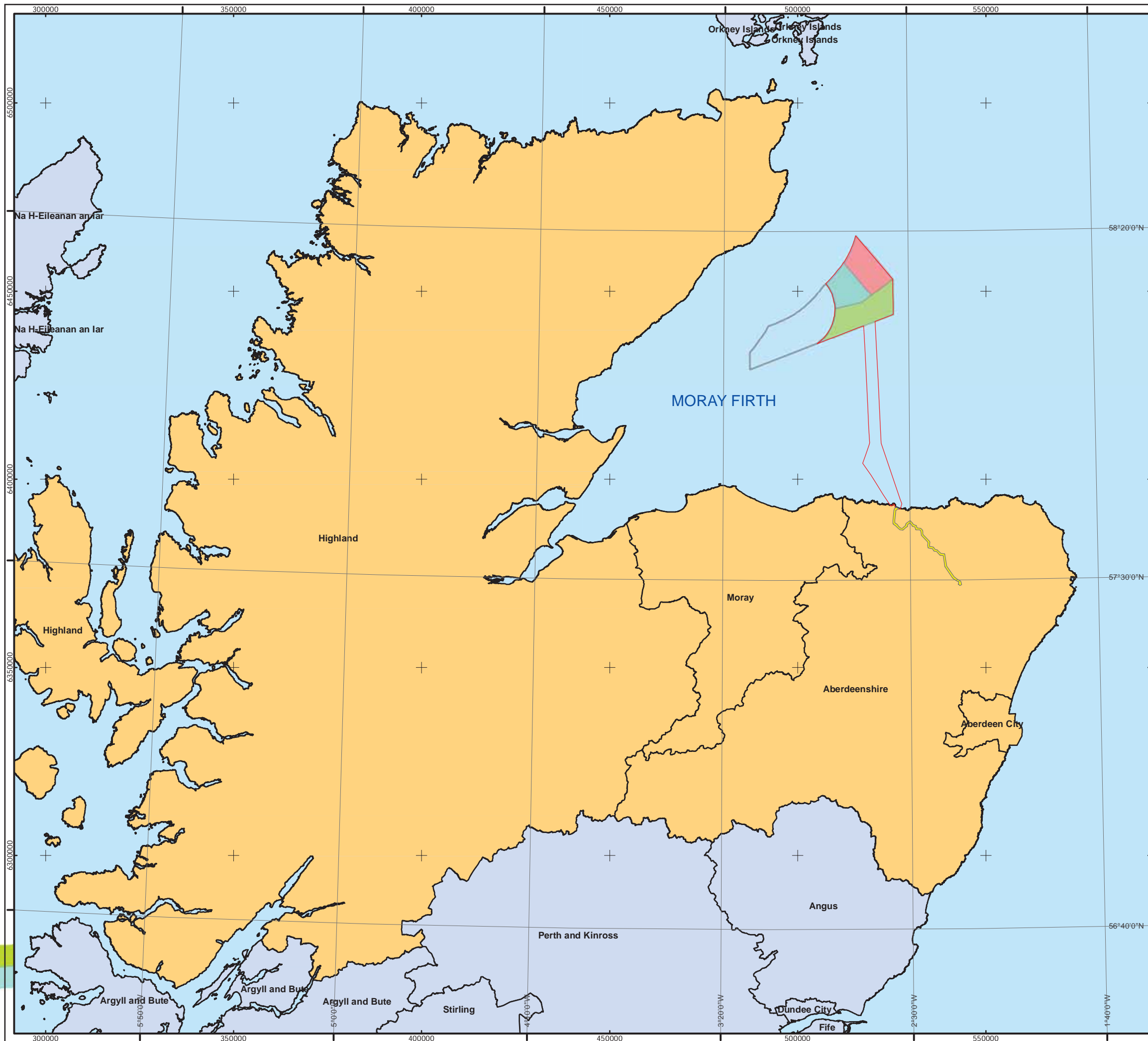
Produced: ES  
 Reviewed: SW  
 Approved: PM

Date: 22/06/2014 Revision: A  
 REF: 8460001-PSO0181-MOR-MAP-002

**Figure 5.7-2 Oil and Gas Licencing in the Moray Firth**

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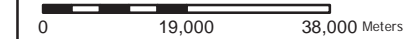


**Moray Offshore Renewables Ltd**

**KEY**

- Modified Onshore Transmission Infrastructure
- Modified Offshore Transmission Infrastructure
- Study Area Local Authorities
- MacColl Wind Farm
- Stevenson Wind Farm
- Telford Wind Farm

Horizontal Scale: 1:1,000,000      A3 Chart



Geodetic Parameters: WGS84 UTM Zone 30N

Produced: PH  
 Reviewed: PM  
 Approved: SP

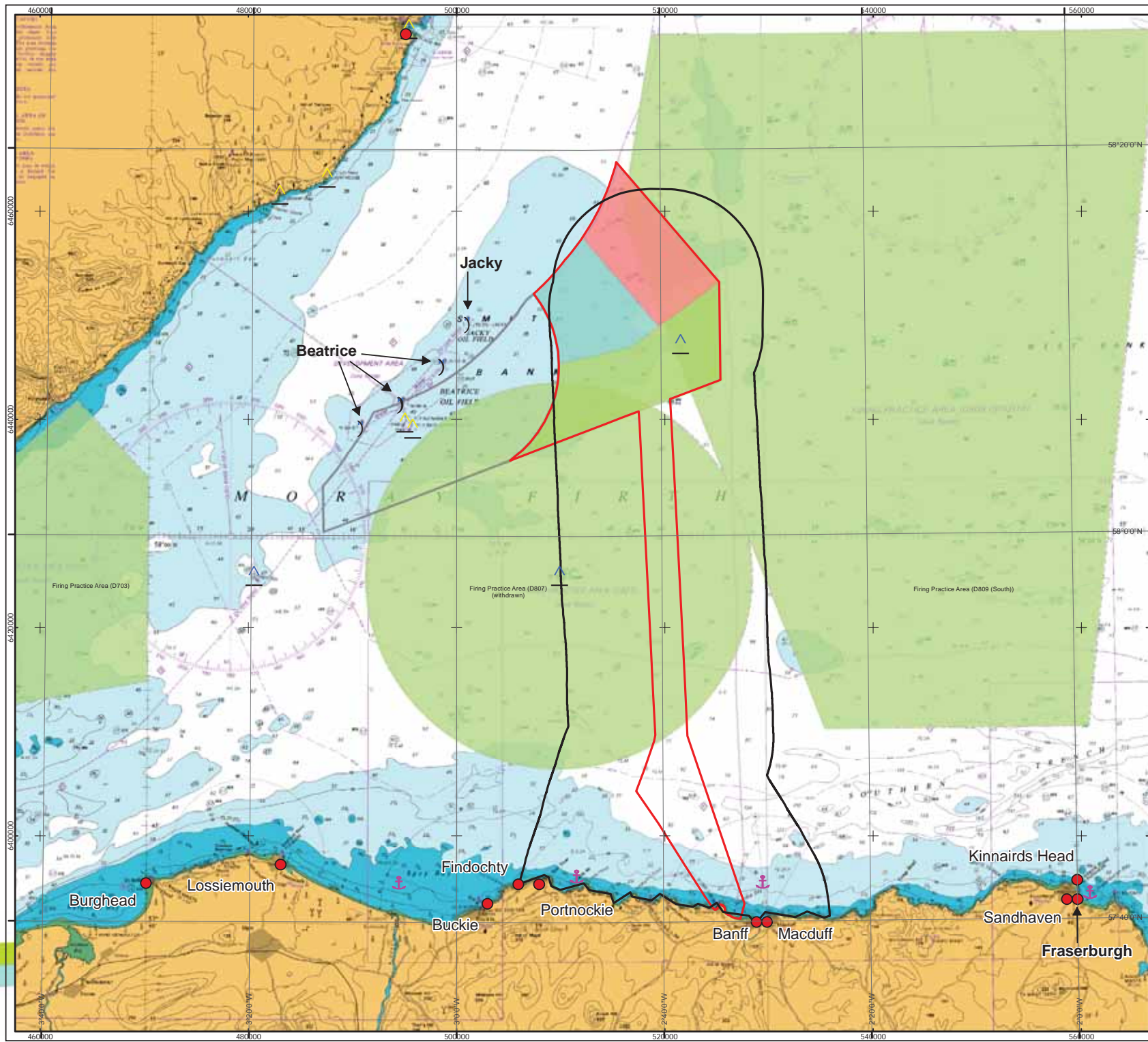
Date: 23/06/2014      Revision: A  
 REF: 8460001-PSO0101-SQW-MAP-001

**Figure 5.5-1 Socio-economics Study Area**

**Moray Offshore Renewables Ltd**








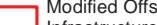






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**Moray Offshore Renewables Ltd**

**KEY**

-  Anchorage
-  Port
-  Platforms
- Navigational Aids**
-  Light
-  Racon/Buoy
-  Military Practise Area
-  Study Area
-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area

Horizontal Scale: 1:350,000 A3 Chart  
 0 8,700 17,400 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

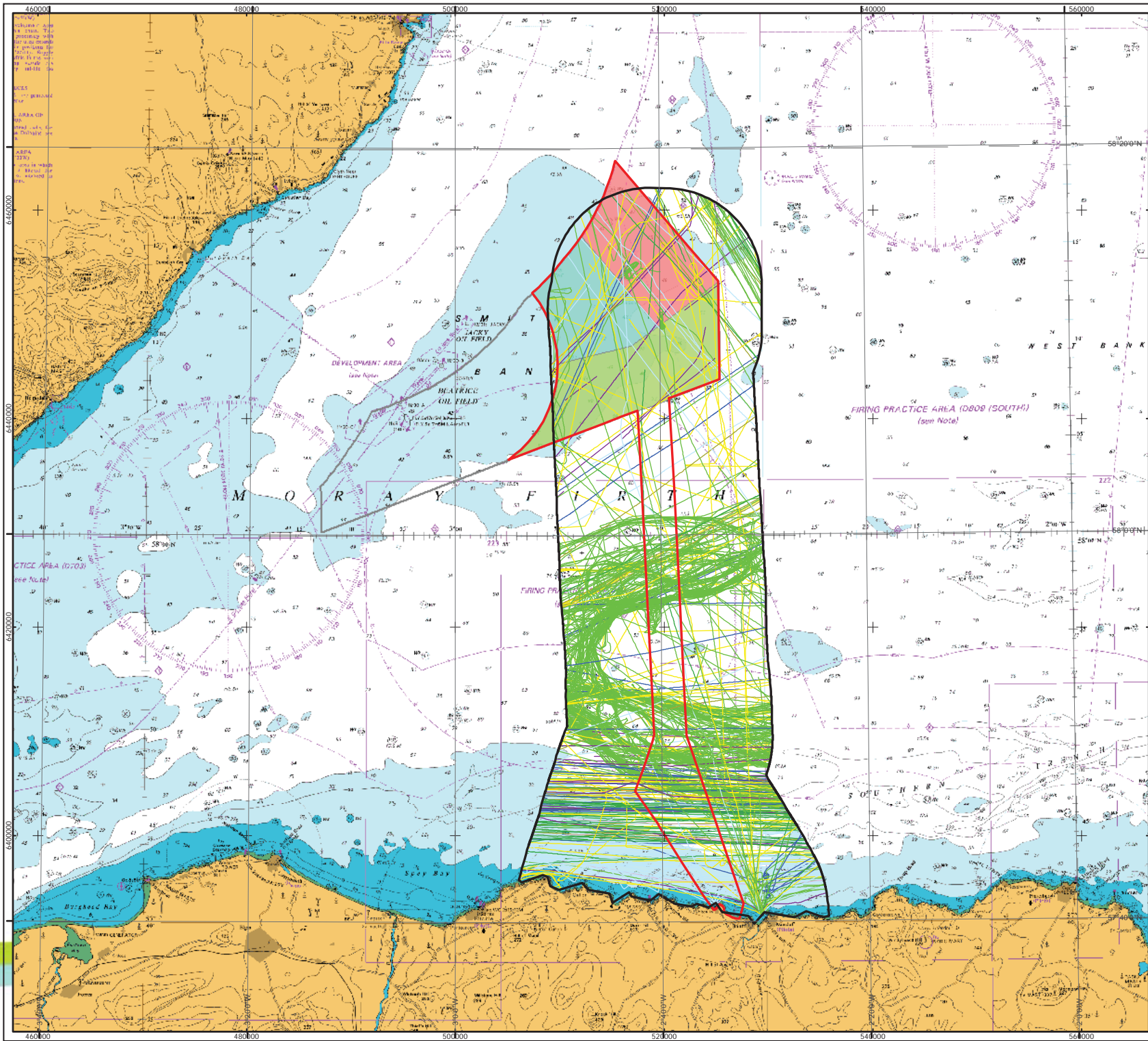
Produced: LM  
 Reviewed: ES  
 Approved: AH

Date: 22/06/2014 Revision: A  
 REF: 8460001-PSO0178-ANA-MAP-001

**Figure 5.2-1 Navigational Features in Moray Firth**

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**Moray Offshore Renewables Ltd**

**KEY**

**Ship Type**

- Fishing
- Dredger/Subsea Ops
- HSC
- Tug
- Passenger
- Cargo
- Tanker
- Other Ship
- Recreation
- Study Area
- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area

Horizontal Scale: 1:350,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

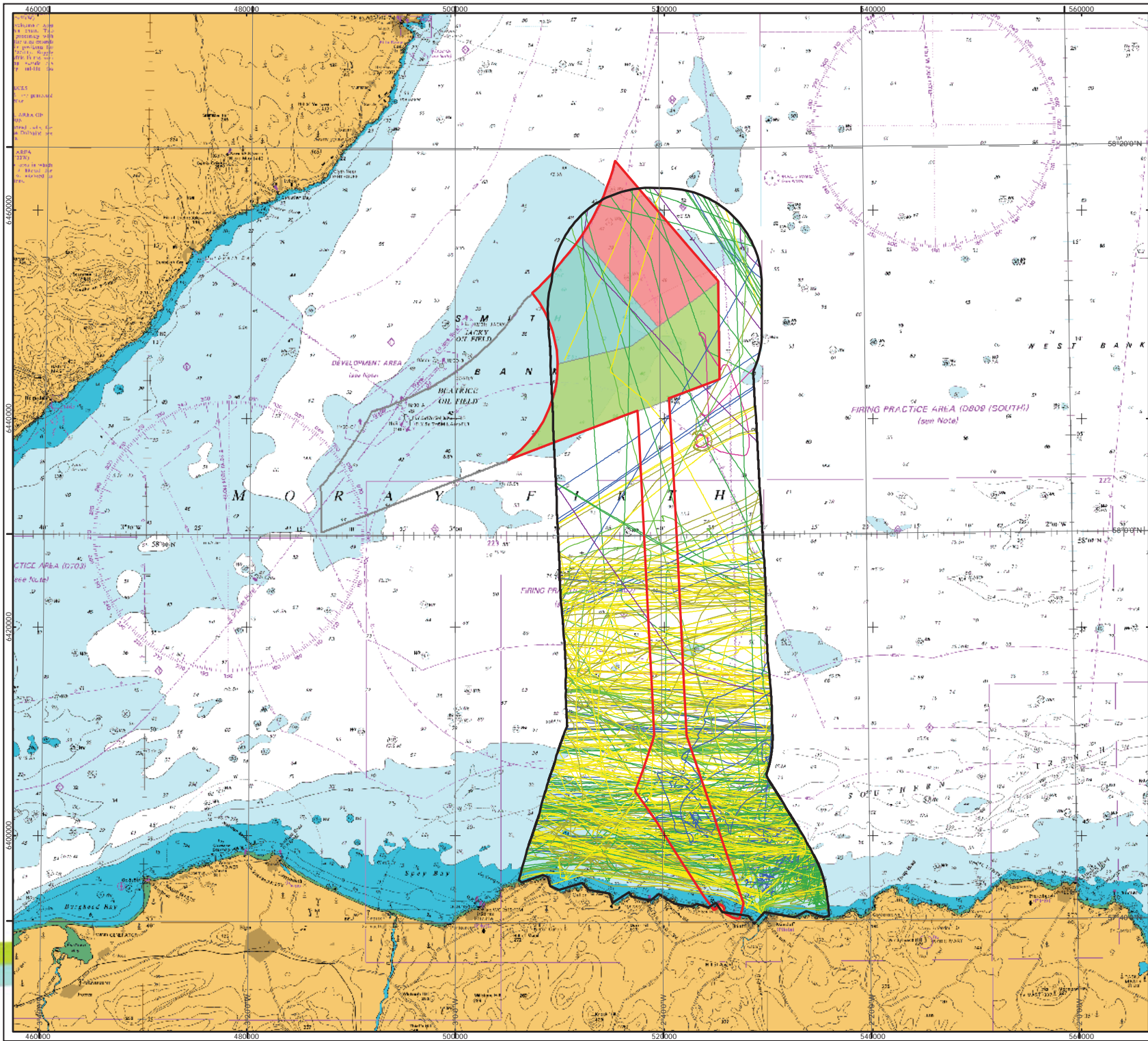
Produced: LM  
 Reviewed: ES  
 Approved: AH

Date: 20/06/2014	Revision: A
REF: 8460001-PSO0178-ANA-MAP-002	

**Figure 5.2-2**  
Summer AIS Data, 28 Days

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**Moray Offshore Renewables Ltd**

- KEY**
- Ship Type**
- Fishing
  - Military
  - Dredger/Subsea Ops
  - Tug
  - Passenger
  - Cargo
  - Tanker
  - Other Ship
  - Study Area
  - Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area

Horizontal Scale: 1:350,000      A3 Chart  
 0      8,700      17,400 Meters

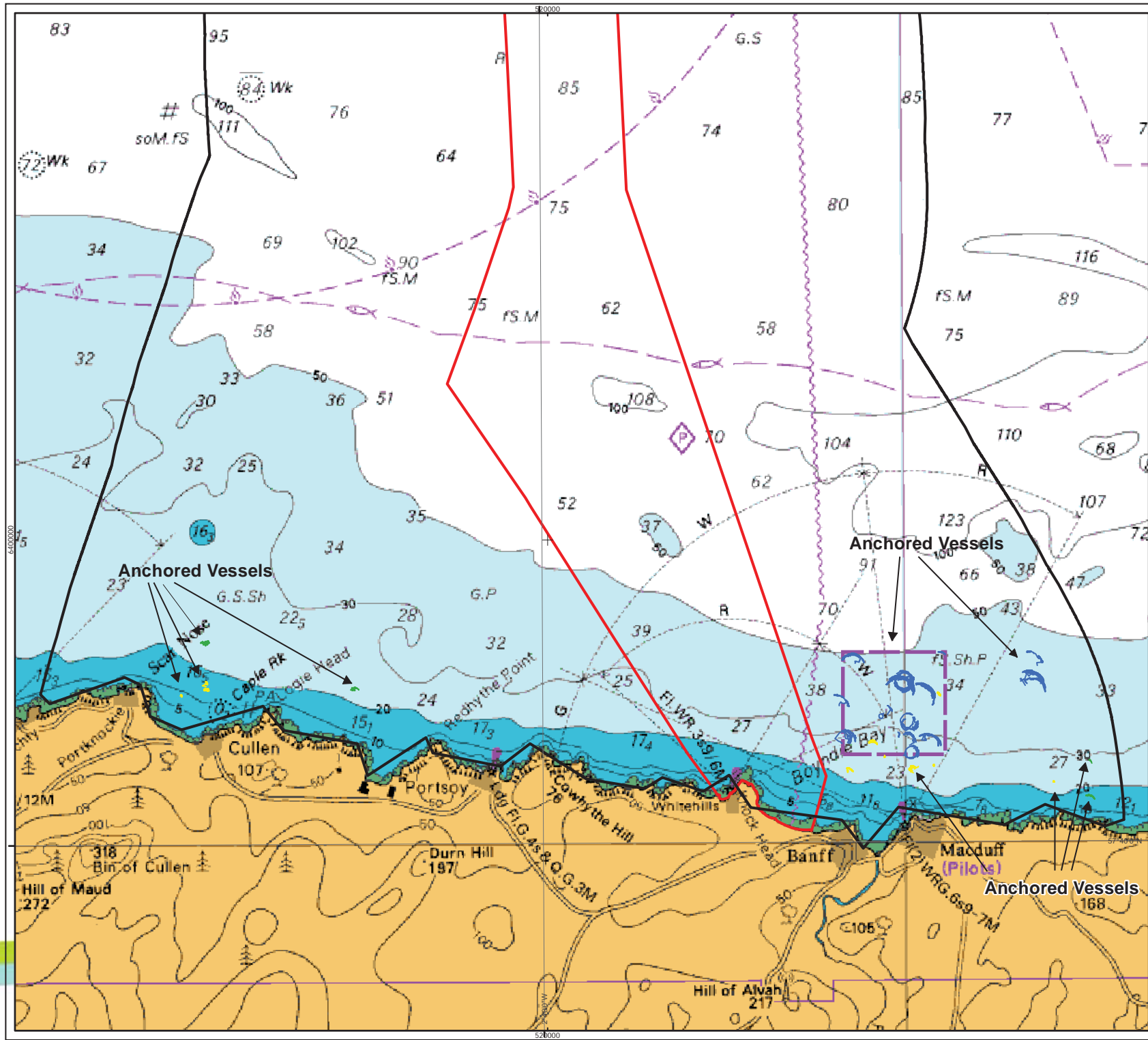
Geodetic Parameters:      WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES	Approved: AH
Date: 19/06/2014	Revision: A	
REF: 8460001-PSO0178-ANA-MAP-003		

**Figure 5.2-3**  
 Winter AIS Data, 28 Days

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**Moray Offshore Renewables Ltd**

- KEY**
- Ship Type: Cargo
  - Ship Type: Tanker
  - Ship Type: Other Ship
  - Anchorage
  - Study Area
  - Modified Offshore Transmission Infrastructure

Horizontal Scale: 1:100,000 A3 Chart  
 0 2,500 5,000 Meters

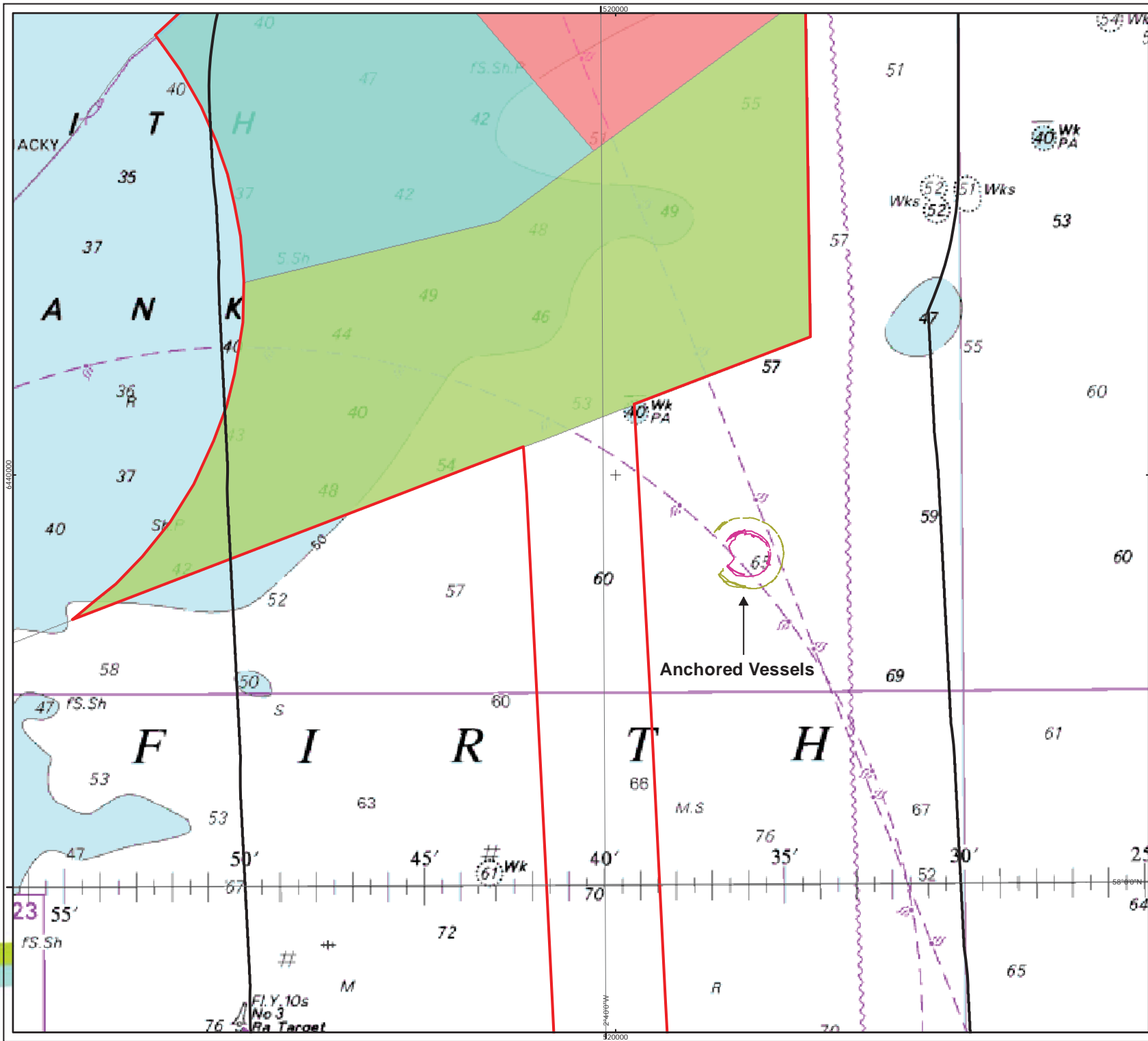
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES	Approved: AH
Date: 19/06/2014	Revision: A	
REF: 8460001-PSO0178-ANA-MAP-004		

**Figure 5.2-4 AIS Vessels Anchored Near Coast**

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**Moray Offshore Renewables Ltd**

- KEY**
- Ship Type**
  - Military
  - Tug
  - Study Area
  - Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area

Horizontal Scale: 1:100,000 A3 Chart  
 0 2,500 5,000 Meters

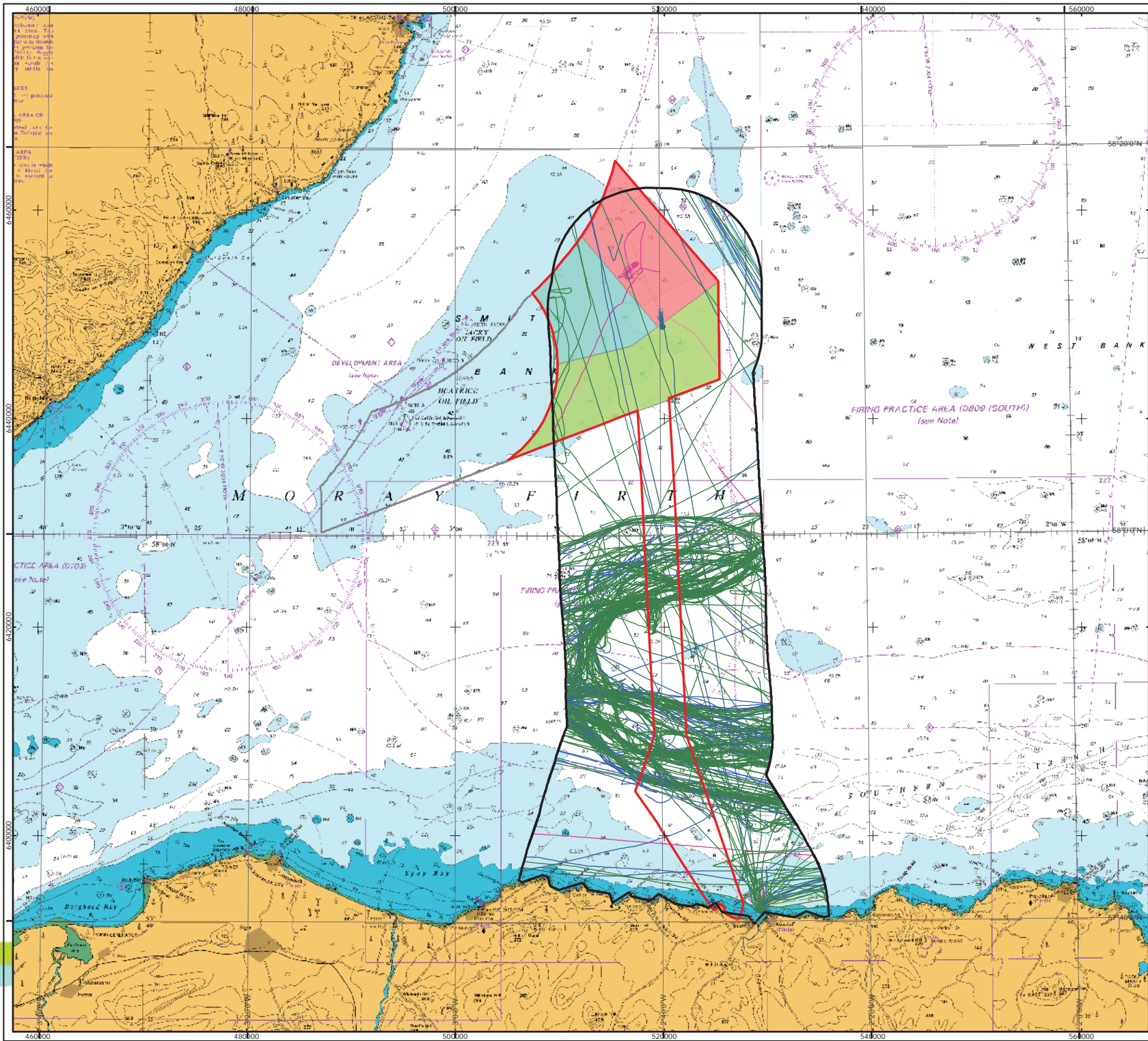
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES	Approved: AH
Date: 19/06/2014	Revision: A	
REF: 8460001-PSO0178-ANA-MAP-005		

**Figure 5.2-5 AIS Vessels Anchored Offshore**

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**Moray Offshore Renewables Ltd**

- KEY**
- Gear Type**
- Demersal Trawler
  - Pair Trawler
  - Pelagic Trawler
  - Dredger
  - Trawler (Unspec)
  - Seiner/Surrounding Nets
  - Other/Unspecified
- Study Area
  - Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area

Horizontal Scale: 1:350,000      A3 Chart  
 0      8,700      17,400 Meters

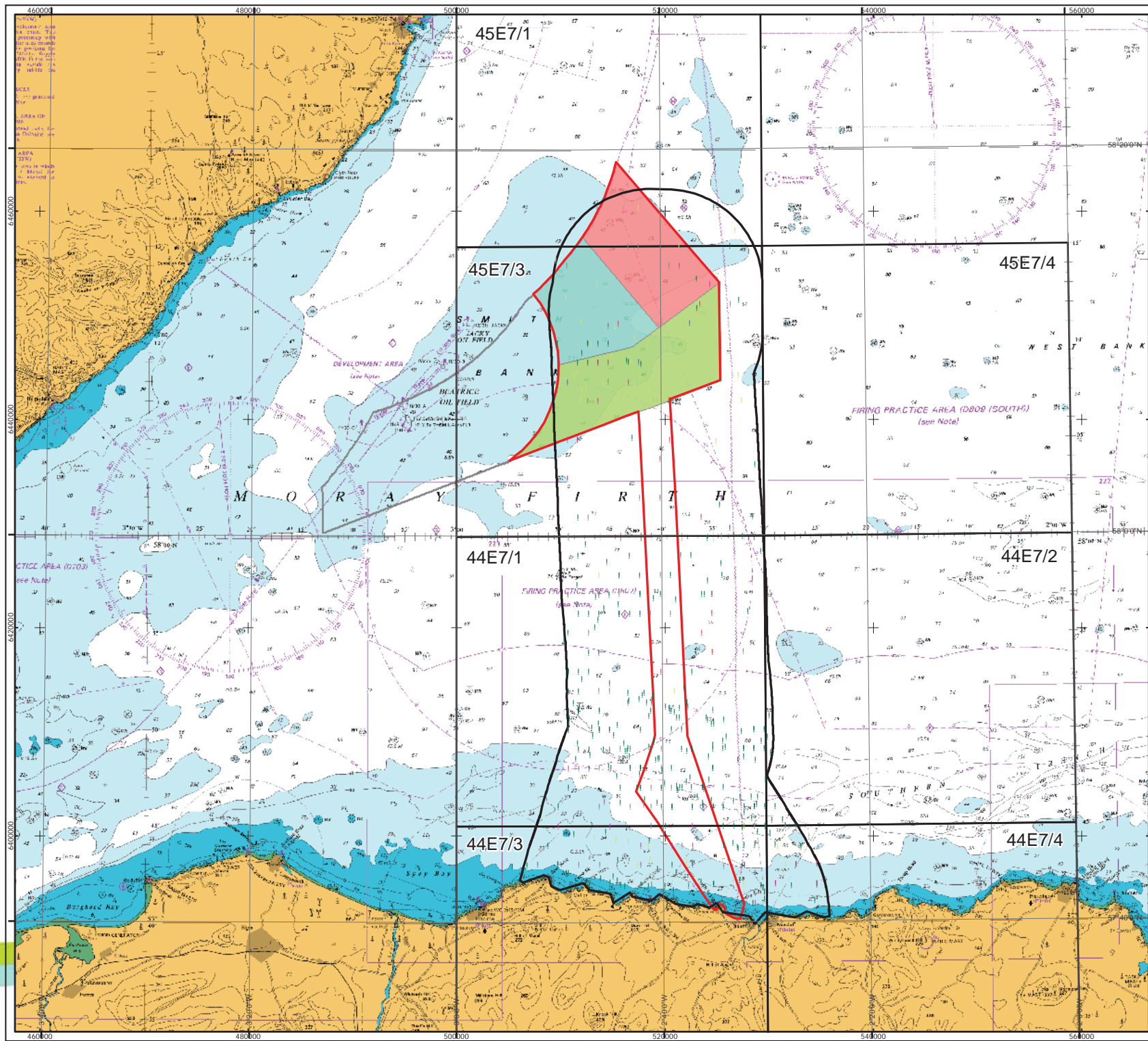
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES	Approved: AH
Date: 19/06/2014	Revision: A	
REF: 8460001-PSO0178-ANA-MAP-006		

**Figure 5.2-6**  
**AIS Fishing Vessel Tracks**

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**Moray Offshore Renewables Ltd**

- KEY**
- Gear Type (Sightings 2005-09)**
- | Beam Trawler
  - | Demersal Trawler
  - | Pair Trawler
  - | Potter/Whelker
  - | Scallop Dredger
  - | Trawler (Unspec)
  - | Unspecified/Other
- Study Area
- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area

Horizontal Scale: 1:350,000      A3 Chart  
  
 0      8,700      17,400 Meters

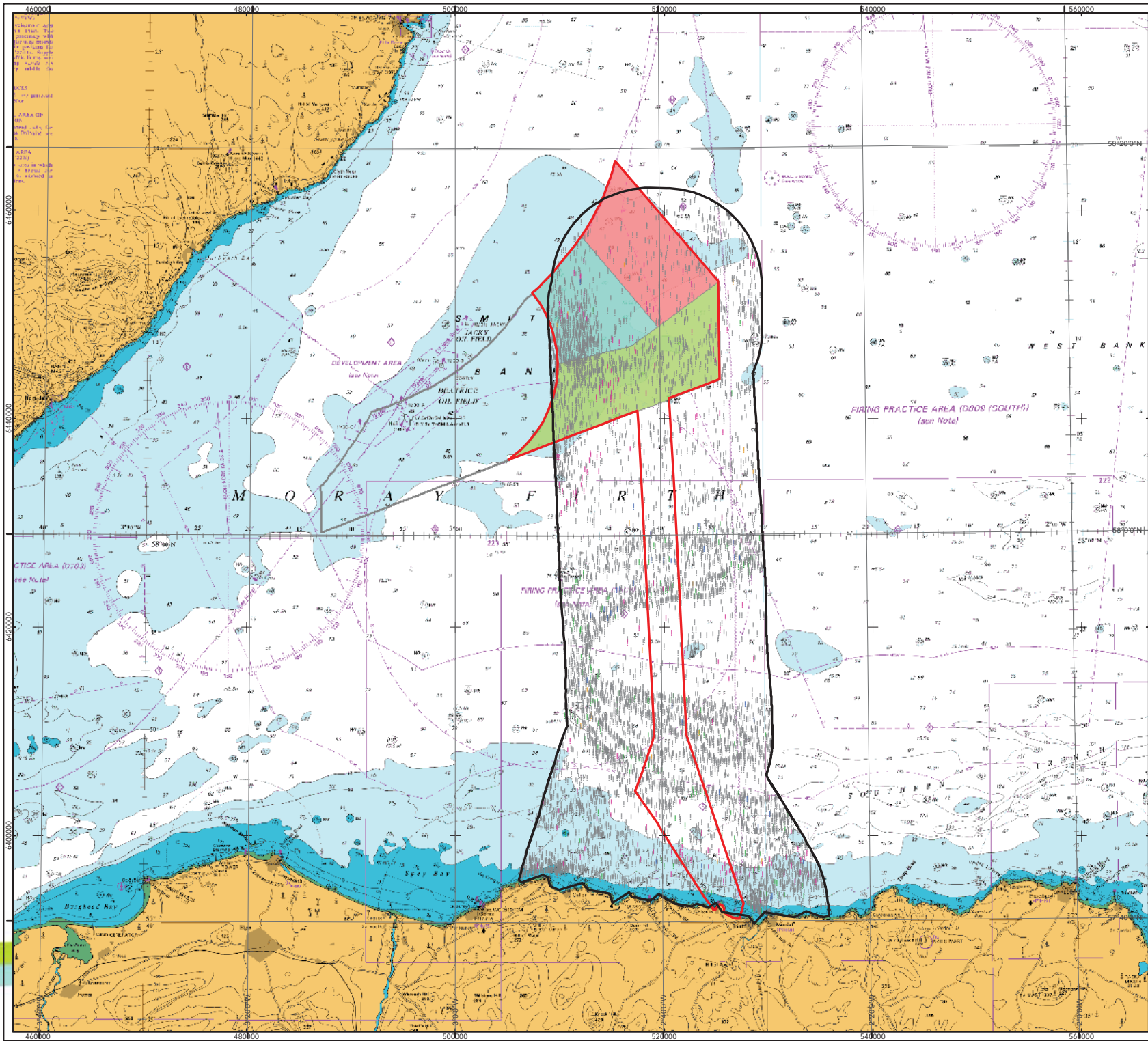
Geodetic Parameters:    WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES
Approved: AH	
Date: 19/06/2014	Revision: A
REF: 8460001-PSO0178-ANA-MAP-007	

**Figure 5.2-7**  
**Overflight Data 2005 - 2009**

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**Moray Offshore Renewables Ltd**

**KEY**

**Gear Type (VMS 2009)**

- Demersal Trawler
- Scallop Dredger
- Trawler (Unspec)
- Long Liner/Drift Netter
- Unspecified/Other

Study Area

Modified Offshore Transmission Infrastructure

MacColl

Stevenson

Telford

Western Development Area

Horizontal Scale: 1:350,000 A3 Chart

0 8,700 17,400 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM  
Reviewed: ES  
Approved: AH

Date: 19/06/2014 Revision: A

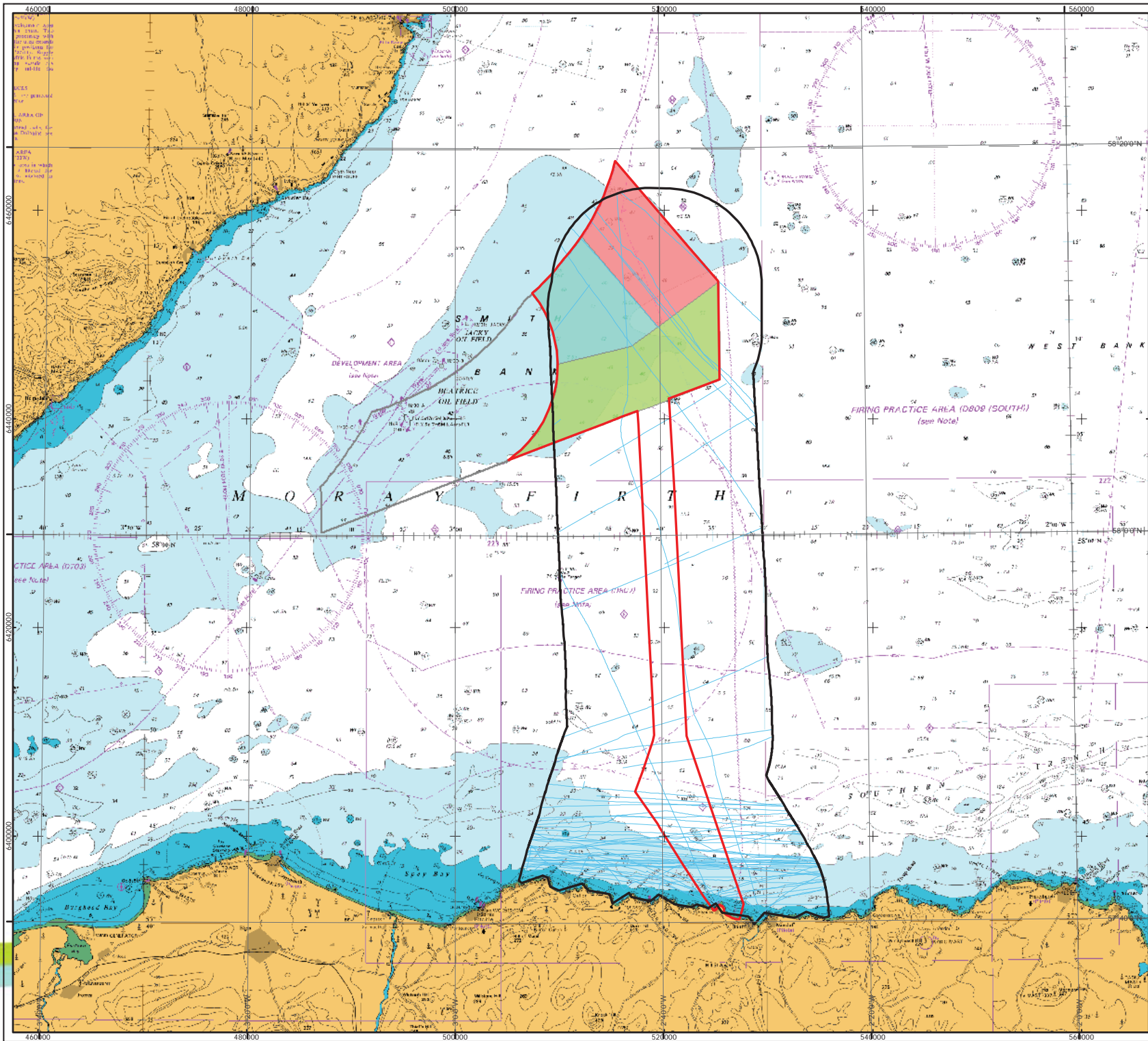
REF: 8460001-PSO0178-ANA-MAP-008

**Figure 5.2-8 Satellite Surveillance Data 2005 - 2009**

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**Moray Offshore Renewables Ltd**

- KEY**
- Vessel Type**
- Recreation
  - Study Area
  - Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area

Horizontal Scale: 1:350,000      A3 Chart  
 0      8,700      17,400 Meters

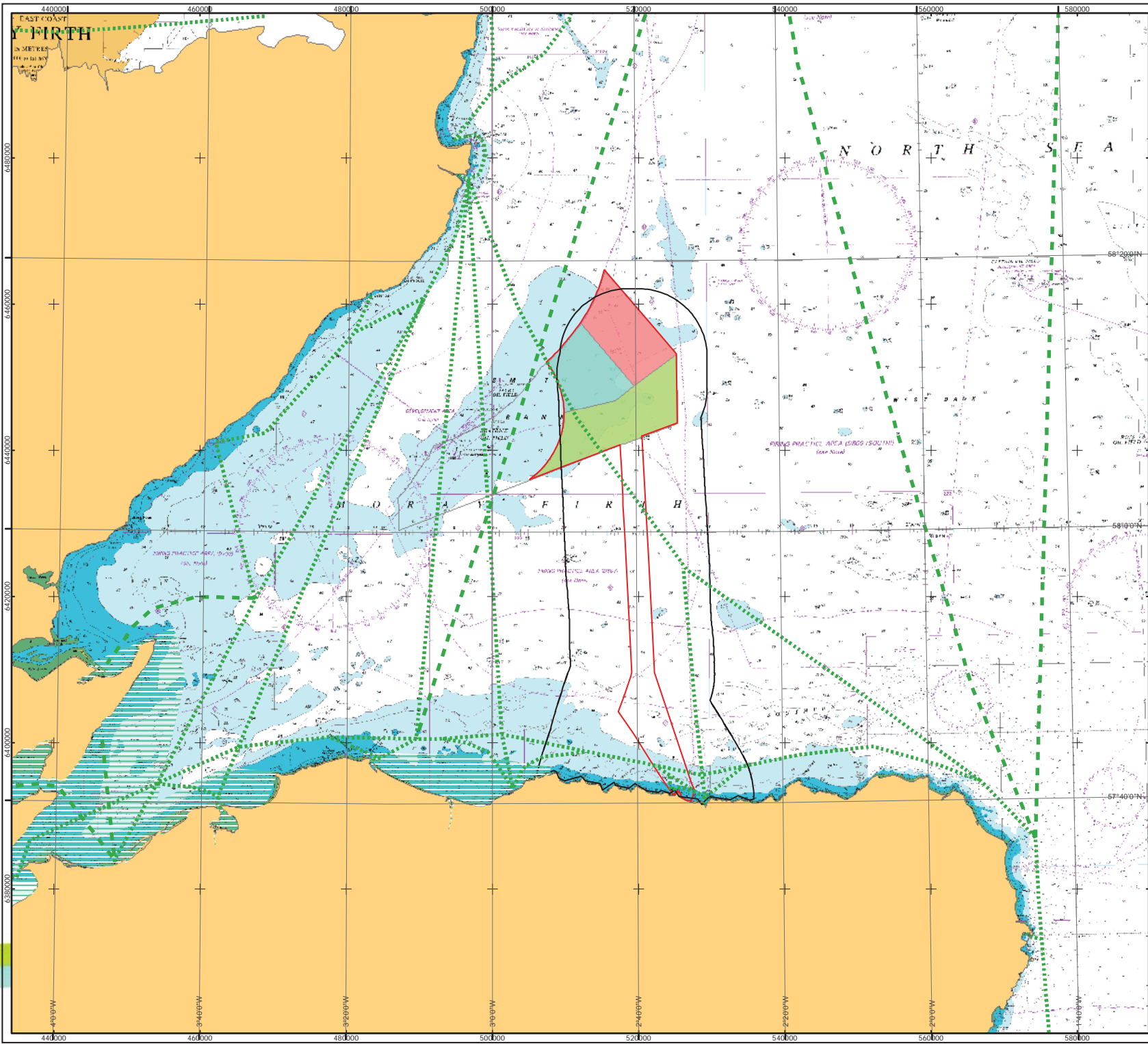
Geodetic Parameters:      WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES
Approved: AH	
Date: 20/06/2014	Revision: A
REF: 8460001-PSO0178-ANA-MAP-009	

**Figure 5.2-9**  
**AIS Recreational Vessel Tracks**

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**Moray Offshore Renewables Ltd**

**KEY**

**Cruising Routes**

- Medium Use
- Light Use
- Sailing Areas
- Study Area
- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area

Horizontal Scale: 1:500,000      A3 Chart  


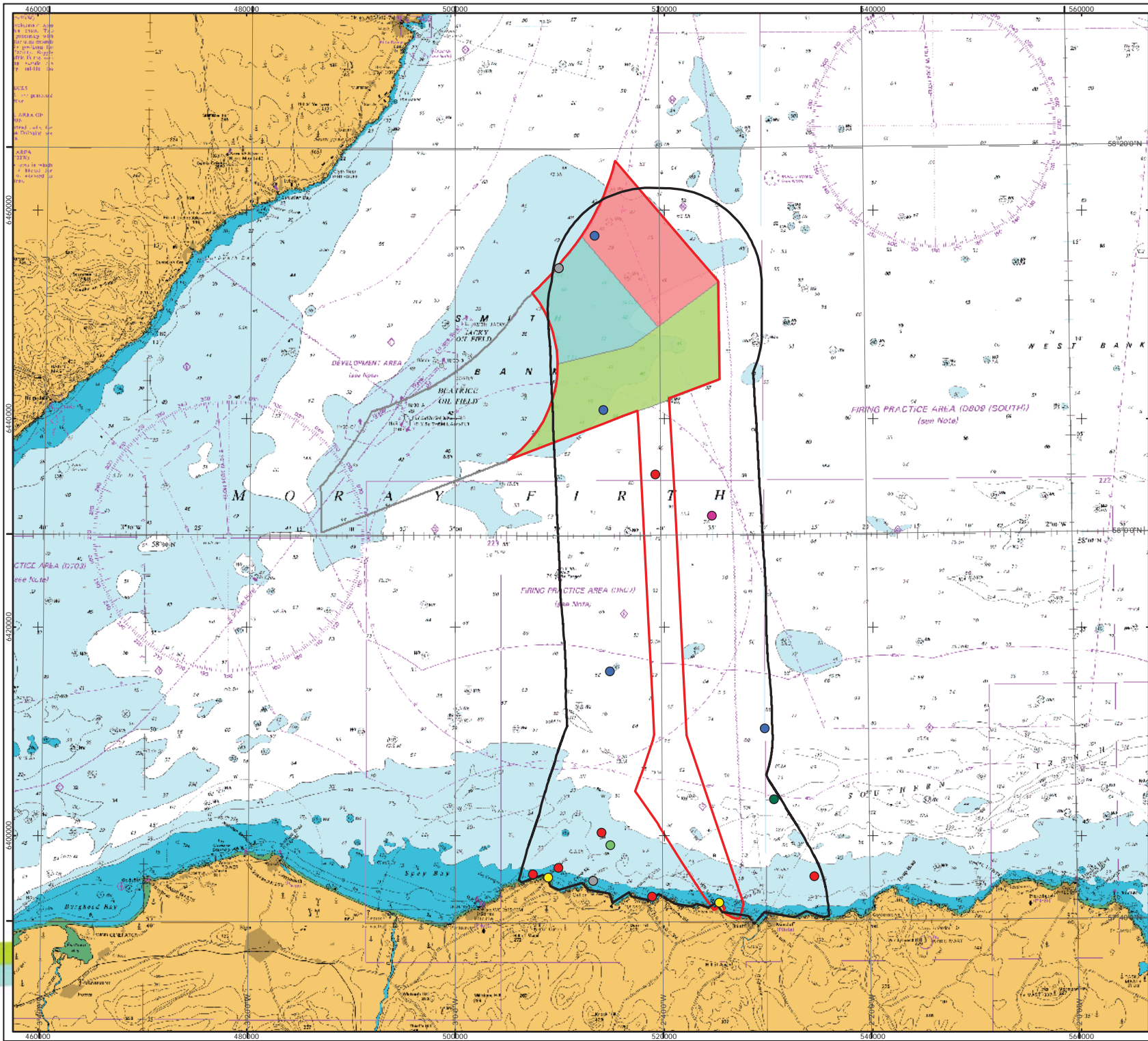
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM  
 Reviewed: ES  
 Approved: AH

Date: 19/06/2014	Revision: A
REF: 8460001-PSO0178-ANA-MAP-010	

**Figure 5.2-10 RYA Coastal Atlas in Moray Firth**

Moray Offshore  
Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

**Incident Type**

- Machinery Failure (6)
- Accident to Person (4)
- Fire/Explosion (1)
- Grounding (2)
- Flooding/Foundering (1)
- Hazardous Incident (4)
- Person Overboard (1)

- ▭ Study Area
- ▭ Modified Offshore Transmission Infrastructure
- ▭ MacColl
- ▭ Stevenson
- ▭ Telford
- ▭ Western Development Area

Horizontal Scale: 1:350,000 A3 Chart  
 0 8,700 17,400 Meters

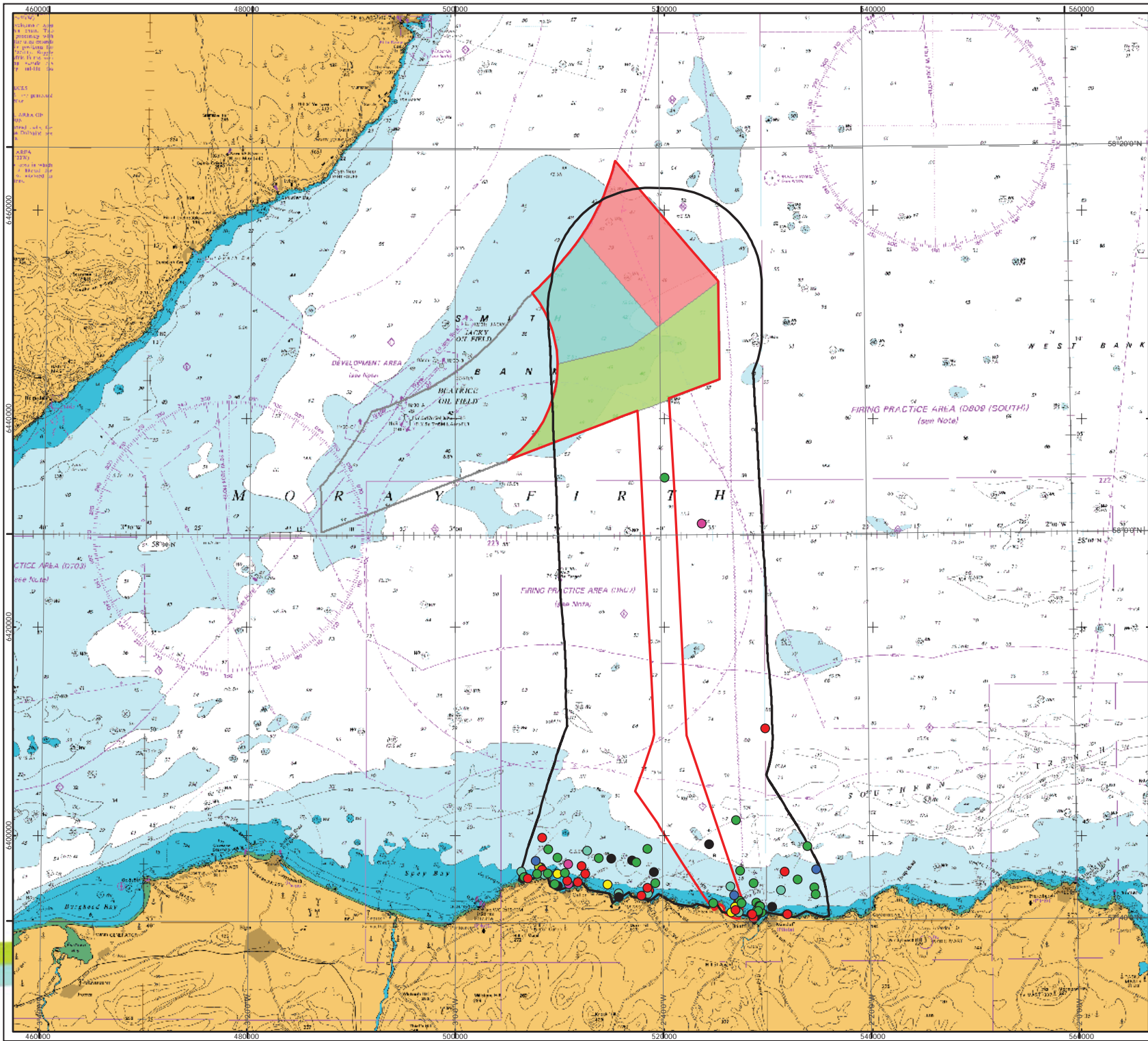
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM  
 Reviewed: ES  
 Approved: AH

Date: 19/06/2014 Revision: A  
 REF: 8460001-PSO0178-ANA-MAP-011

**Figure 5.2-11**  
**MAIB Incidents (2003 - 2012)**  
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 Renewables Ltd

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**Moray Offshore Renewables Ltd**

- KEY**
- RNLI Cause (2001-2010)**
- Adverse Conditions (5)
  - Person in Danger (20)
  - Capsize (1)
  - Fouled Propeller (4)
  - Leak or Swamping (3)
  - Machinery Failure (33)
  - Vessel Other (8)
  - Other/Unspecified (8)
- ▭ Study Area
- ▭ Modified Offshore Transmission Infrastructure
- ▭ MacColl
- ▭ Stevenson
- ▭ Telford
- ▭ Western Development Area

Horizontal Scale: 1:350,000 A3 Chart  
 0 8,700 17,400 Meters

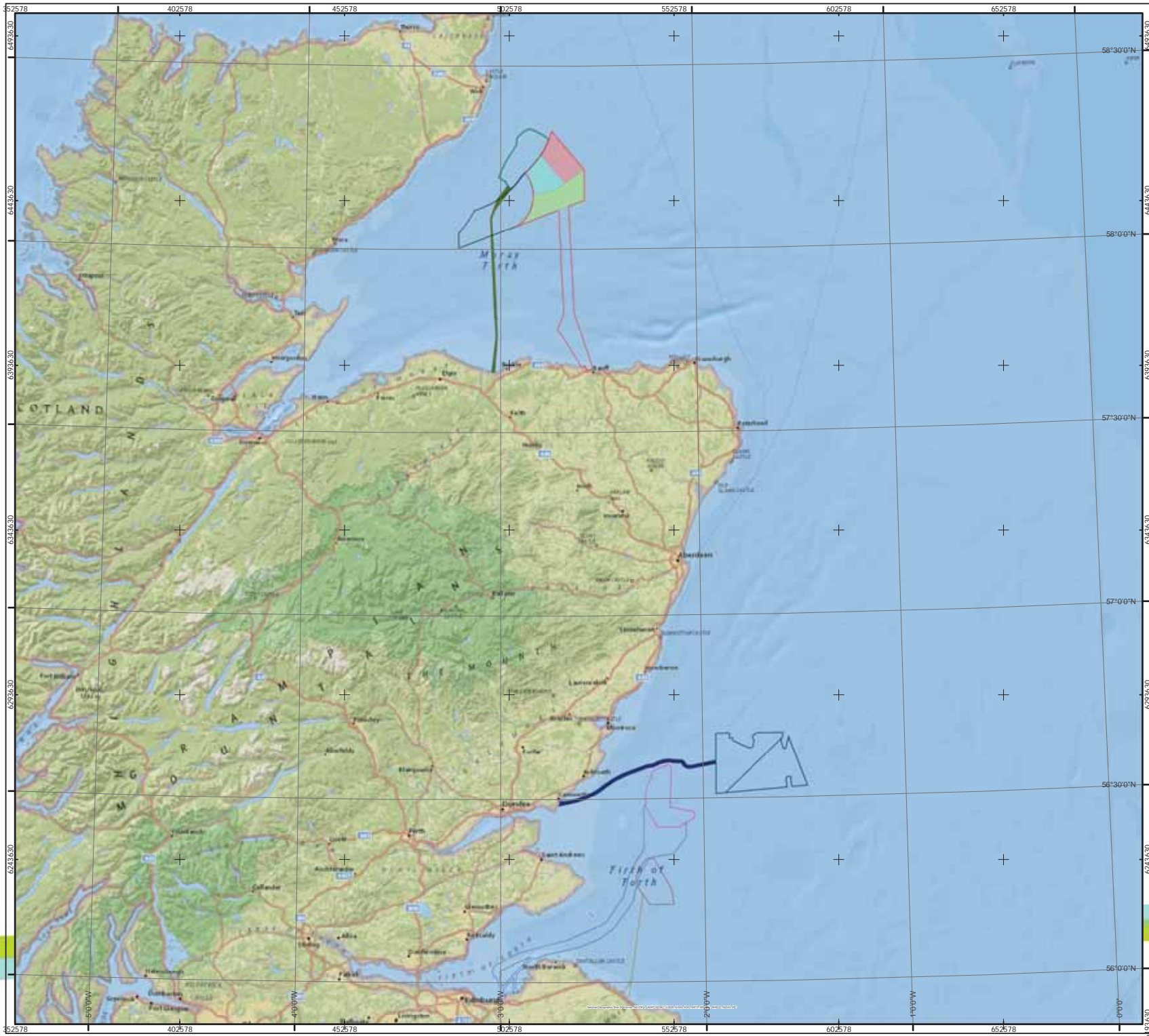
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM	Reviewed: ES
Approved: AH	
Date: 19/06/2014	Revision: A
REF: 8460001-PSO0178-ANA-MAP-012	

**Figure 5.2-12**  
RNLI Incidents by Cause

Moray Offshore  
Renewables Ltd

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Beatrice Wind Farm
- Beatrice Cable Corridor
- Firth of Forth Phase 1
- Firth of Forth Phase 1 ECR
- Inch Cape
- Neart na Gaoithe
- Inch Cape ECR
- Neart na Gaoithe ECR

Horizontal Scale: 1:1,100,000 A3 Chart  
 0 27,000 54,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

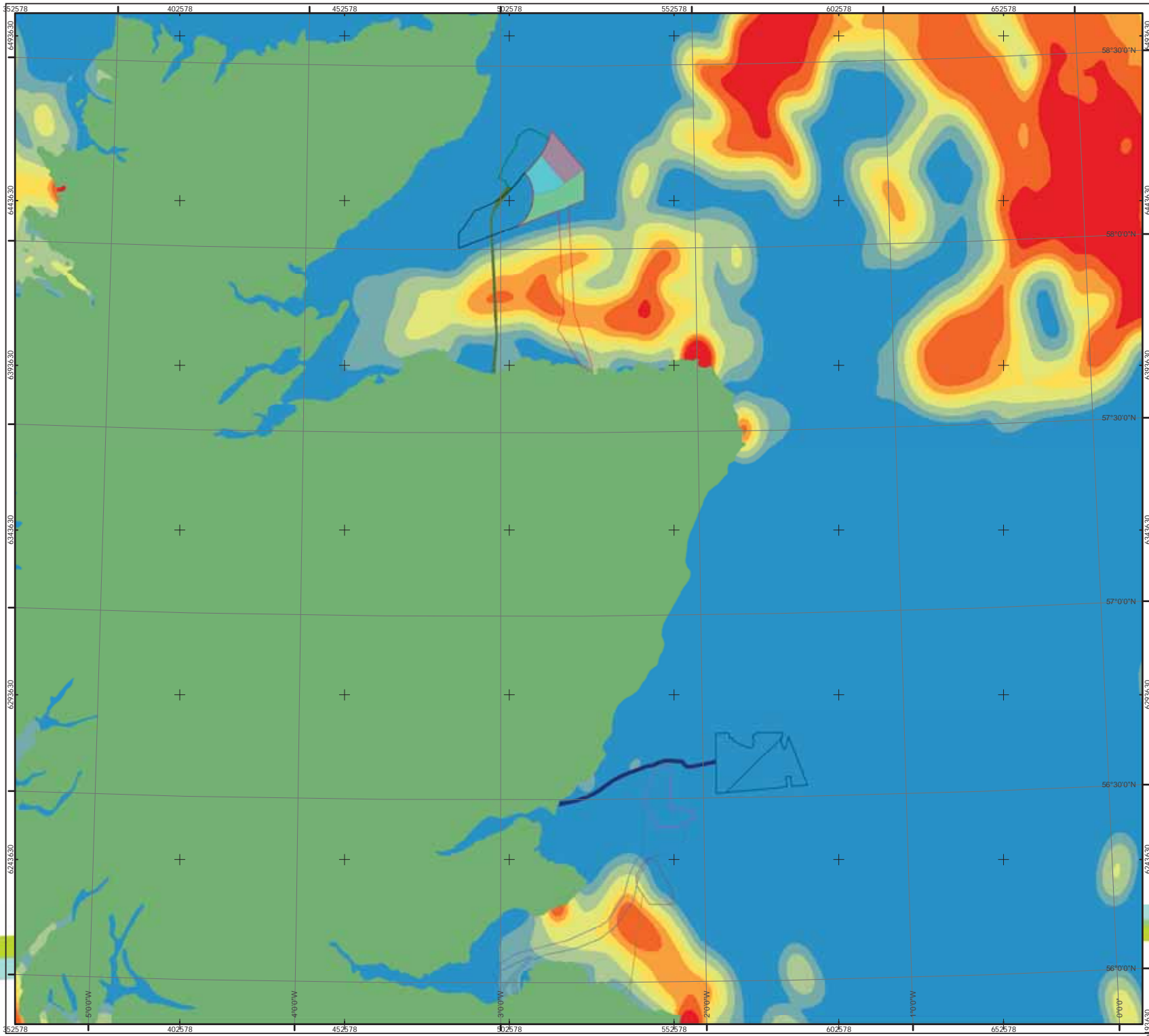
Produced: RP  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014 Revision: B  
 REF: 8460001-PSO0162-BMM-MAP-055

**Figure 5.1-1**  
**Developments Considered for**  
**Cumulative Impact Asssmt**

**Moray Offshore**  
**Renewables Ltd**

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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area
-  Beatrice Wind Farm
-  Beatrice Cable Corridor
-  Firth of Forth Phase 1
-  Firth of Forth Phase 1 ECR
-  Inch Cape
-  Neart na Gaoithe
-  Neart na Gaoithe ECR

#### Nephrops Relative Value

-  Low
- 
- 
- 
- 
-  High

Horizontal Scale: 1:1,100,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

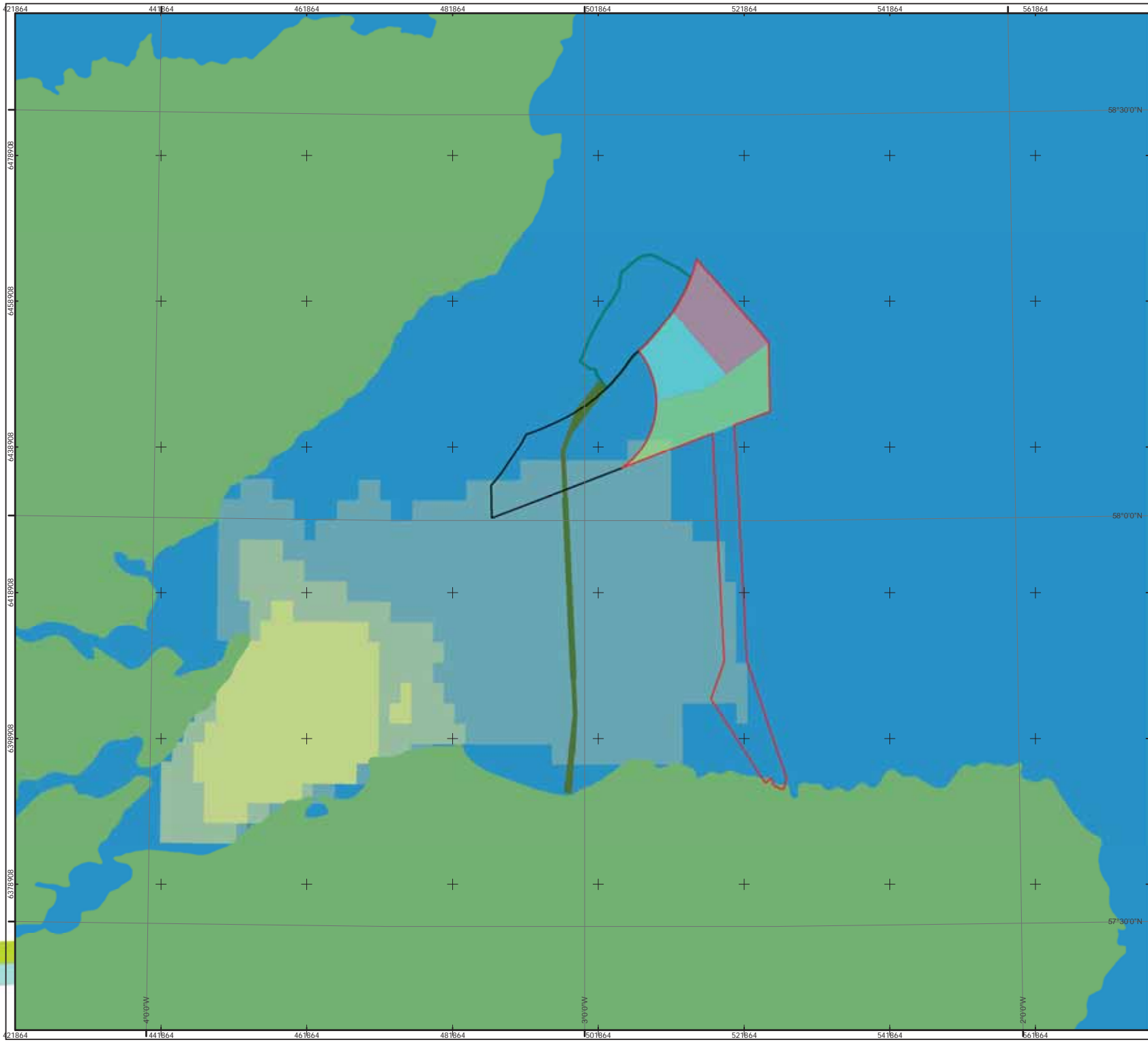
Produced: RP  
Reviewed: ES  
Approved: PM

Date: 18/06/2014 Revision: B  
REF: 8460001-PSO0162-BMM-MAP-056

Figure 5.1-2 Commercial Fisheries  
Distribution by Value, Nephrops,  
2007 to 2011 (Kafas et al., 2012, MSS)

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Renewables Ltd

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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area
-  Beatrice Wind Farm
-  Beatrice Cable Corridor

#### Monetary Value (£)

-  Low
- 
- 
- 
- 
- 
-  High

Horizontal Scale: 1:500,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

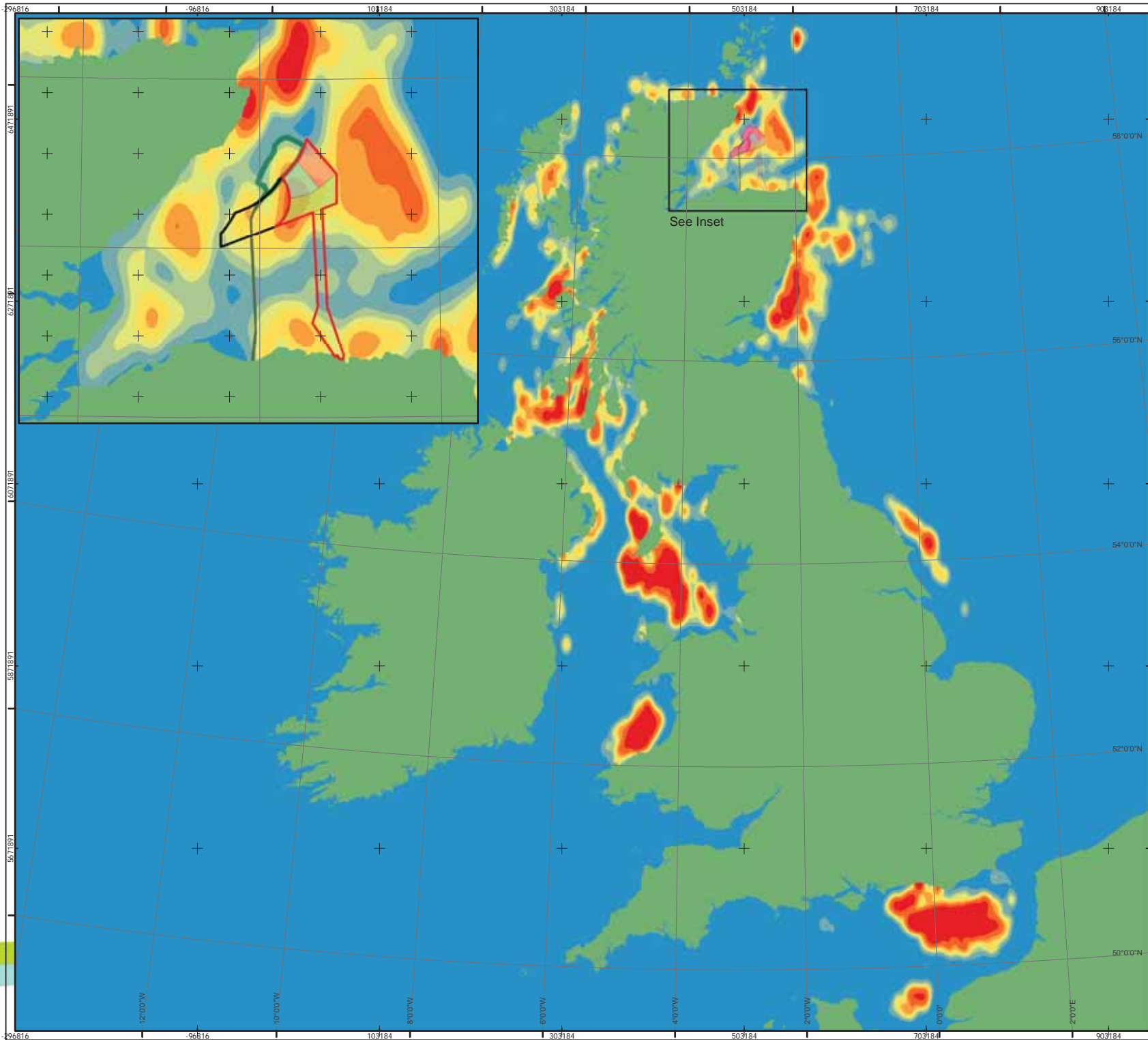
Produced: RP  
Reviewed: ES  
Approved: PM

Date: 18/06/2014 Revision: B  
REF: 8460001-PSO0162-BMM-MAP-057

Figure 5.1-3  
ScotMap Nephrops Value  
2007 - 2011 (MSS, 2013)

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Renewables Ltd

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Beatrice Wind Farm
- Beatrice Cable Corridor
- Proposed offshore windfarms

**Scallop Relative Value**

- Low
- 
- 
- 
- 
- 
- High

Horizontal Scale: 1:4,000,000 A3 Chart

0 97,500 195,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: RP  
Reviewed: ES  
Approved: PM

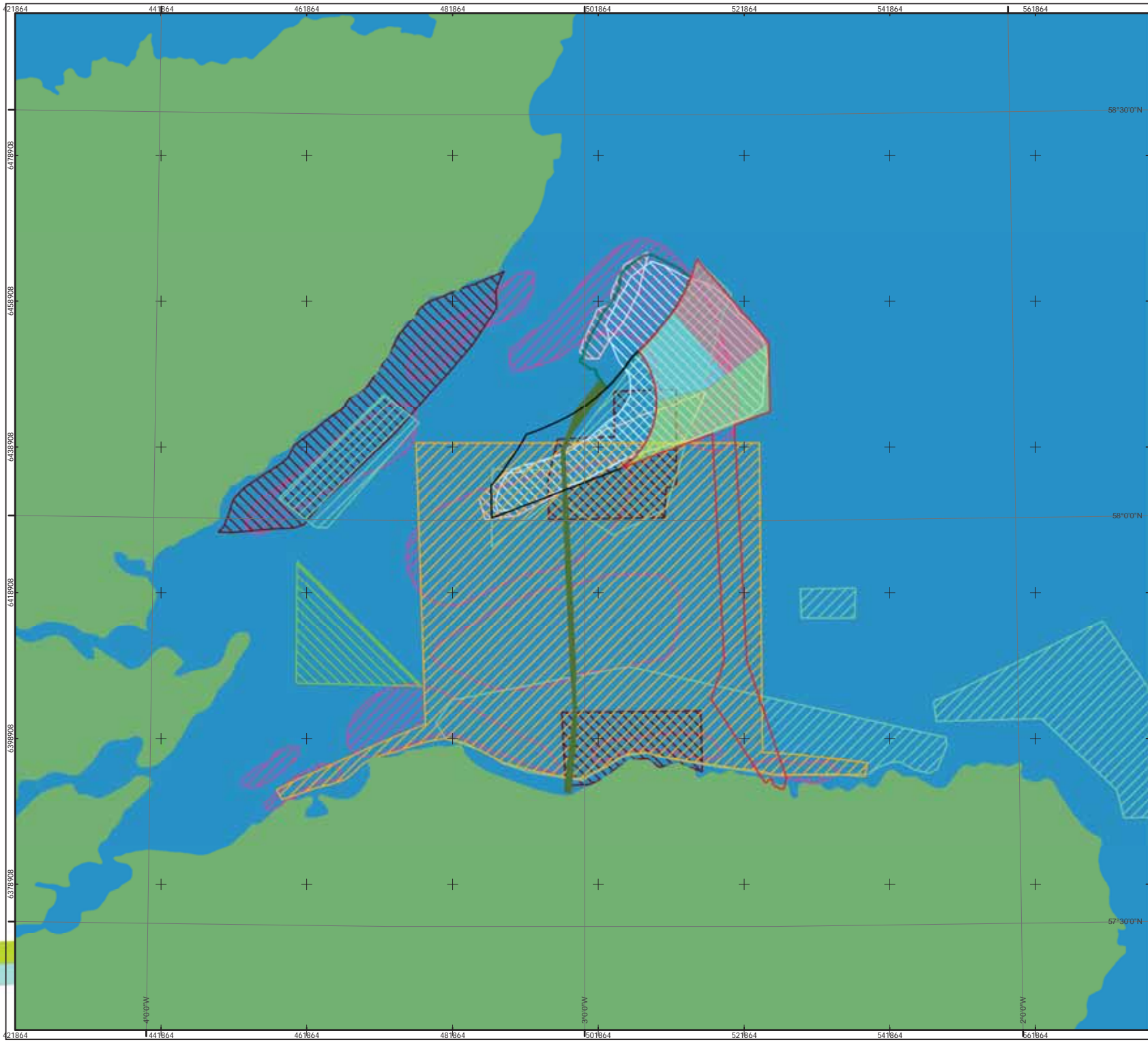
Date: 18/06/2014 Revision: B

REF: 8460001-PSO0162-BMM-MAP-058

**Figure 5.1-4 Commercial Fisheries Distribution by Value, Scallop, 2007 to 2011 (Kafas et al., 2012, MSS)**



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### Moray Offshore Renewables Ltd

#### KEY

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Beatrice Wind Farm
- Beatrice Cable Corridor

#### Previously Collected Squid Grounds (2011)

- Vessel 1
- Vessel 2
- Vessel 3
- Vessel 4
- Vessel 5
- Vessel 6
- Vessel 7

Horizontal Scale: 1:500,000 A3 Chart

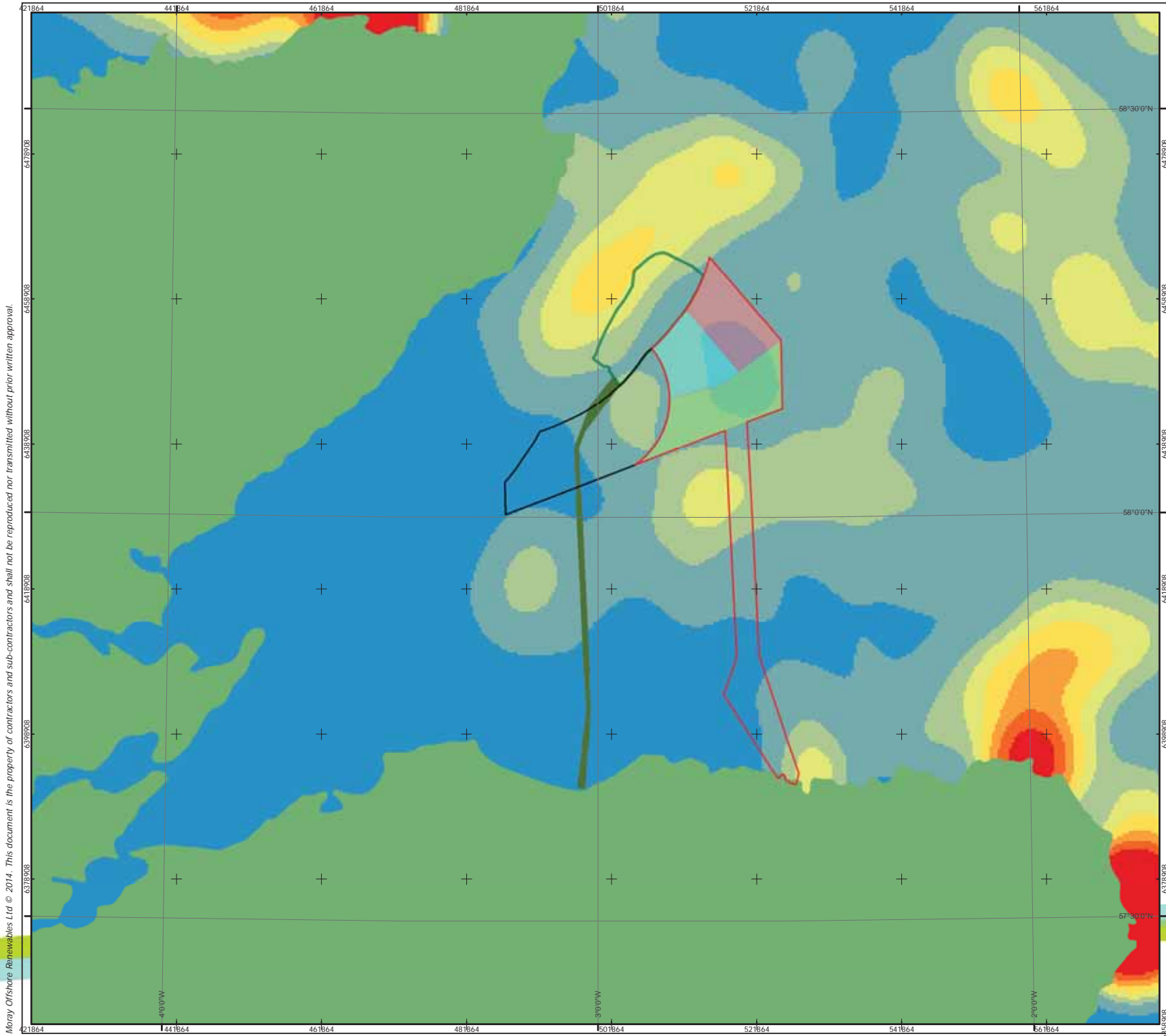
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: RP  
Reviewed: ES  
Approved: PM

Date: 18/06/2014 Revision: B  
REF: 8460001-PSO0162-BMM-MAP-059

Figure 5.1-5 Moray Firth Squid Fishing Grounds

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area
  - Beatrice Wind Farm
  - Beatrice Cable Corridor
- Demersal Relative Value**
- Low
  - 
  - 
  - 
  - 
  - High

Horizontal Scale: 1:500,000 A3 Chart  
 0 12,000 24,000 Meters

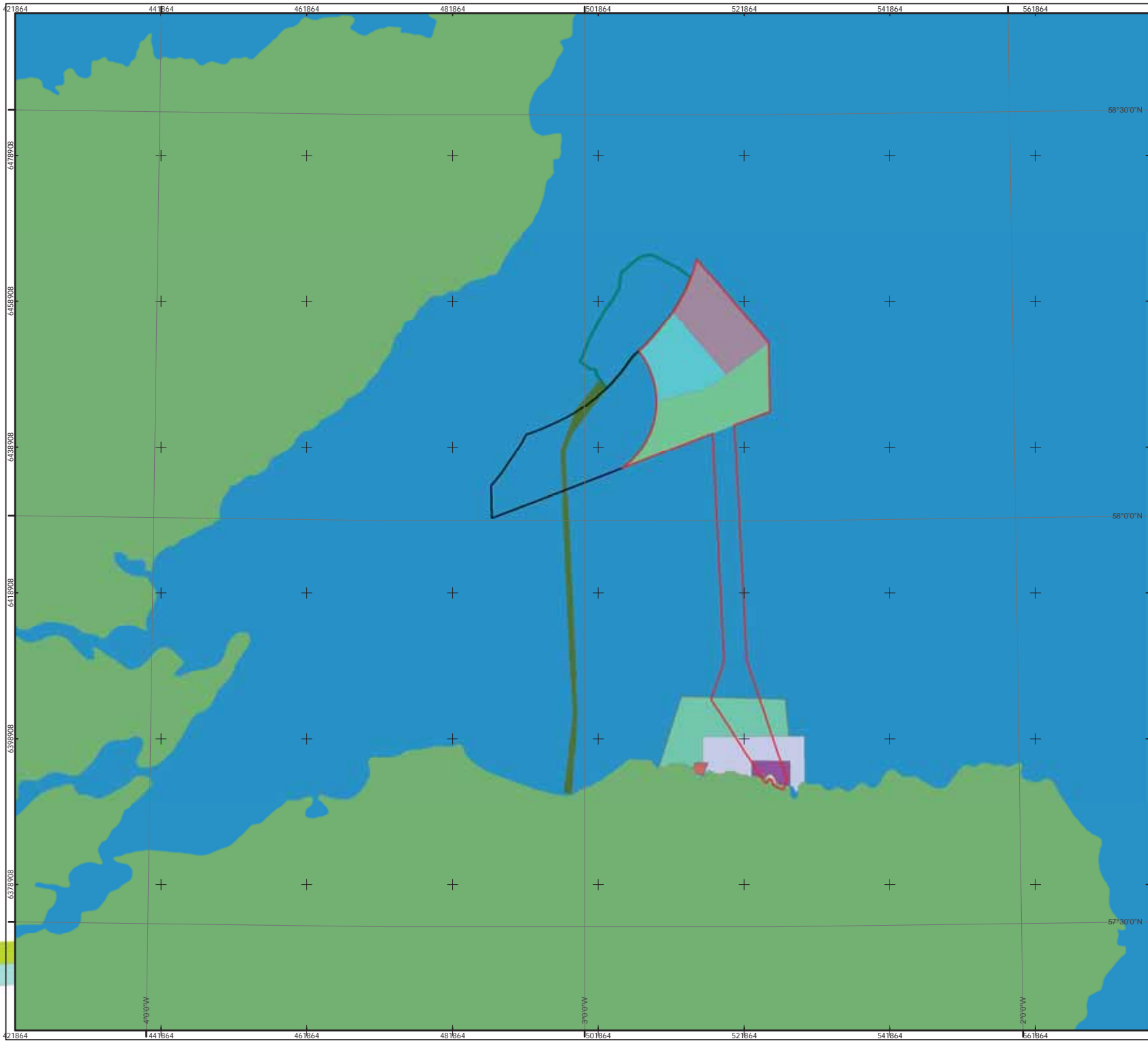
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: RP  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014 Revision: B  
 REF: 8460001-PSO0162-BMM-MAP-060












**Figure 5.1-6 Commercial Fisheries Distribution by Value, Demersal, 2007 to 2011 (Kafas et al., 2012, MSS)**

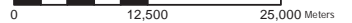
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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area
-  Beatrice Wind Farm
-  Beatrice Cable Corridor
- Creel Grounds**
-  Sandend Landfall Site (1 vessels)
-  Inverboindyie Landfall Site (1 vessel)
-  Inverboindyie Landfall Site (1 vessel)
-  Inverboindyie Landfall Site (5 vessel)

Horizontal Scale: 1:500,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

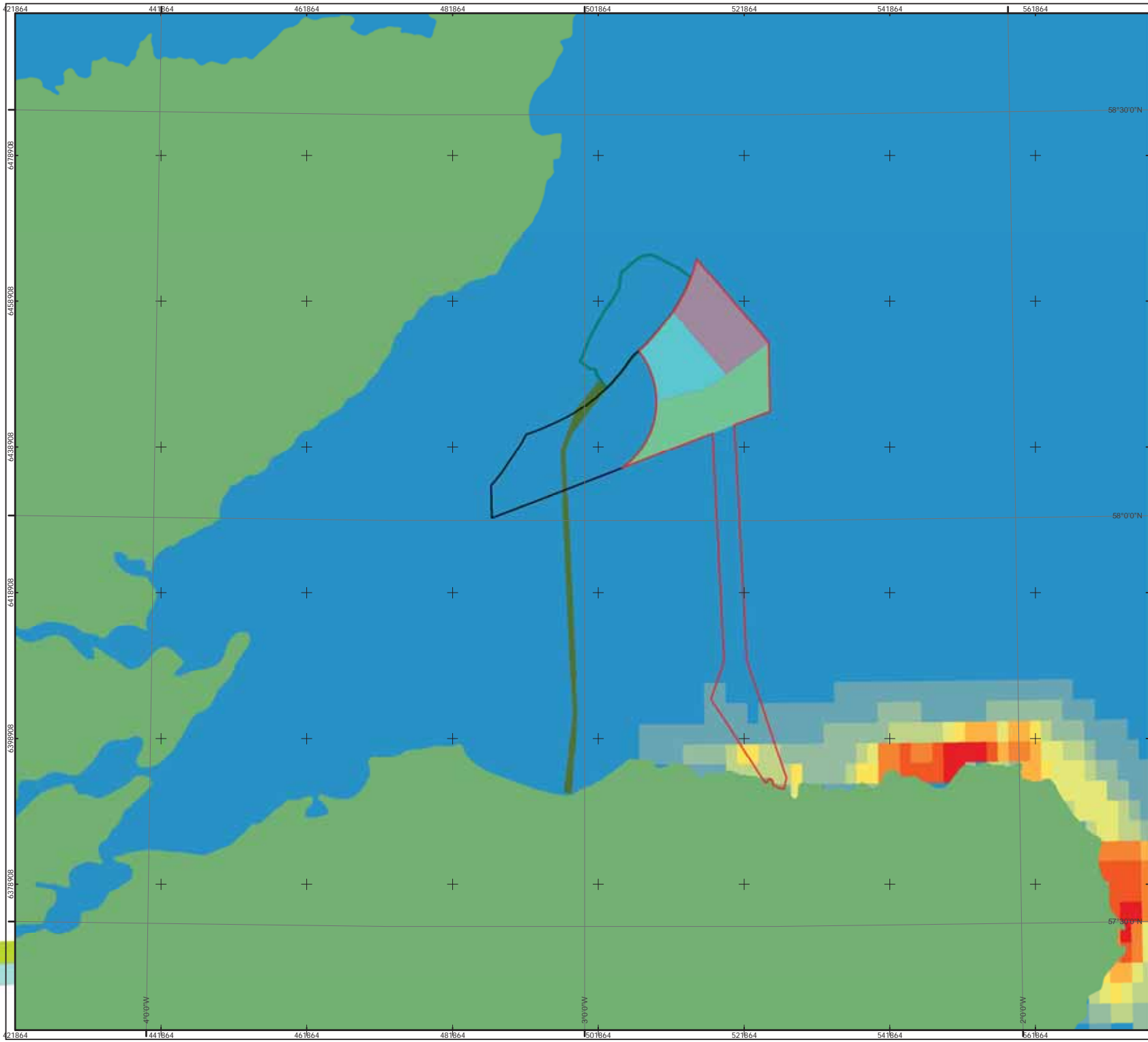
Produced: RP  
Reviewed: ES  
Approved: PM

Date: 18/06/2014 Revision: B  
REF: 8460001-PSO0162-BMM-MAP-061

Figure 5.1-7 Creel Fishing Grounds around the Landfall at Inverboindyie

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### Moray Offshore Renewables Ltd

#### KEY

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Beatrice Wind Farm
- Beatrice Cable Corridor

#### Monetary Value (£)

- Low
- 
- 
- 
- 
- High

Horizontal Scale: 1:500,000 A3 Chart

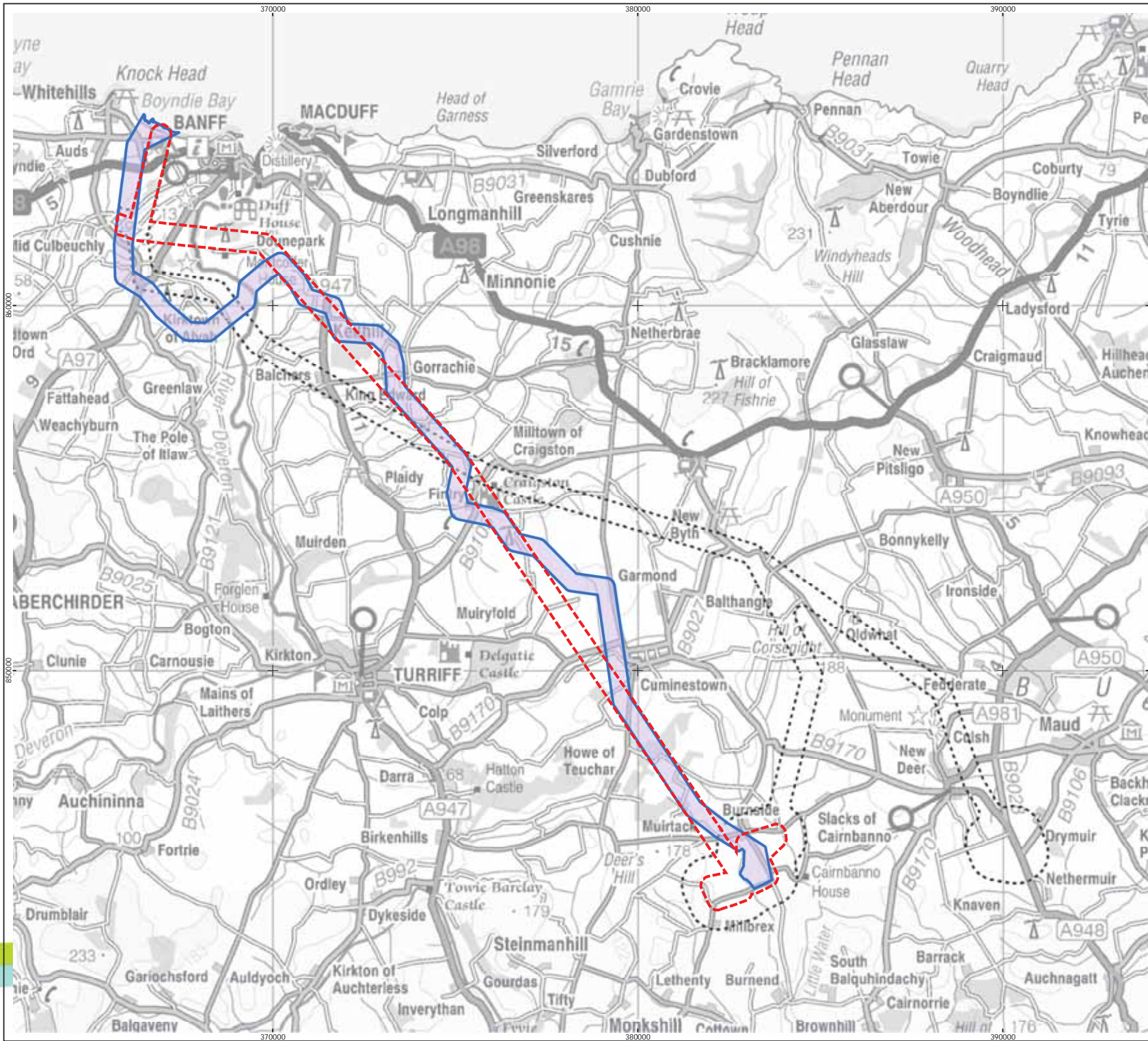
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: RP  
Reviewed: ES  
Approved: PM

Date: 18/06/2014 Revision: B  
REF: 8460001-PSO0162-BMM-MAP-062

Figure 5.1-8  
ScotMap Mackerel Value  
2007 - 2011 (MSS, 2013)

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Renewables Ltd



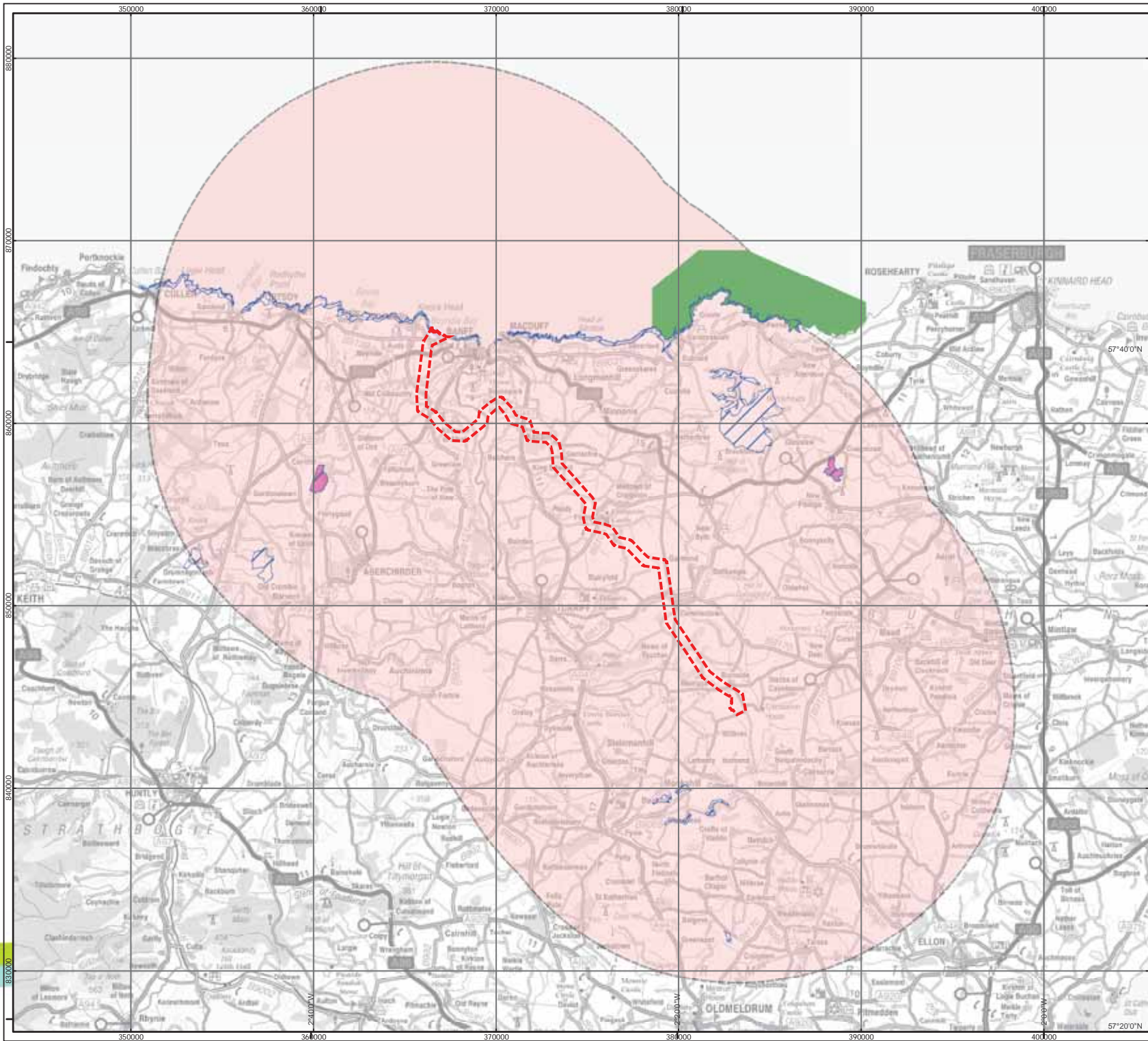
**Moray Offshore Renewables Ltd**

- KEY**
- Winter Walkover Survey
  - Cable Route Corridor  
Option 1a - Ecological Survey Area (550m)
  - Refined Option 1b - Area of the OnTI

Horizontal Scale: 1:100,000		A3 Chart
Geodetic Parameters: British National Grid		
Produced: KAG		
Reviewed: ES		
Approved: PM		
Date: 19/06/2014	Revision: A	
REF: 8460001-PSO0109-RPS-MAP-001		

**Figure 4.6-1**  
Overview of Route  
Options Surveyed

Moray Offshore  
Renewables Ltd



**Moray Offshore Renewables Ltd**

**Key**

Refined Option 1b - Area of the OnTI

Refined Option 1b (15 km buffer)

**Ecological Designated Sites within 15 km**

Special Protected Area (SPA)

Special Areas of Conservation (SAC)

Site of Special Scientific Interest (SSSI)

Horizontal Scale: 1:200,000 A3 Chart



Geodetic Parameters: British National Grid

Produced: KAG  
Reviewed: ES  
Approved: PM

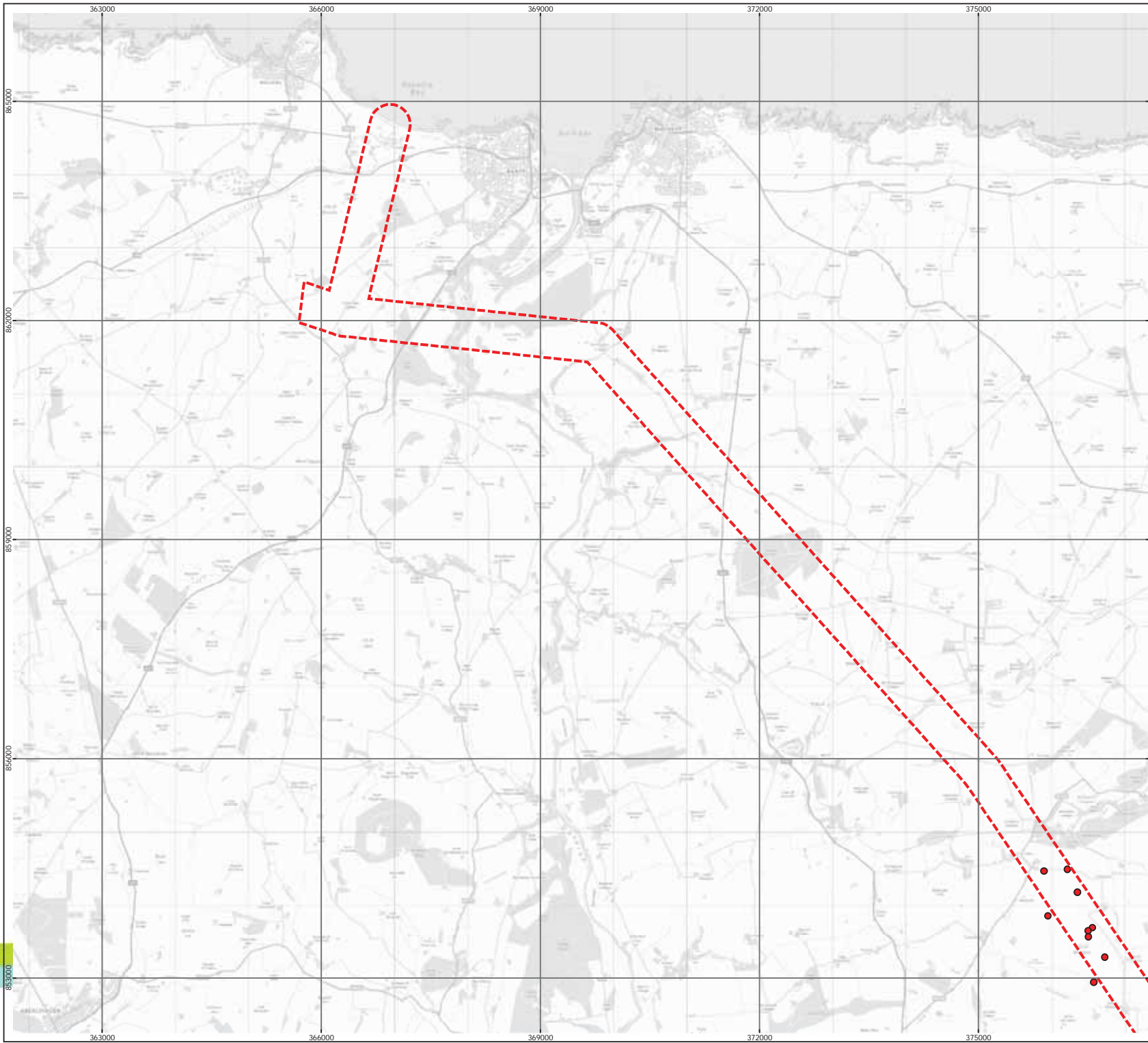
Date: 19/06/2014 Revision: A

REF: 8460001-PSO0109-RPS-MAP-002

**Figure 4.6-2**  
Designated Sites within 15km of the OnTI



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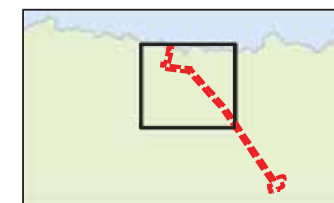
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### Moray Offshore Renewables Ltd

#### KEY

-  Option 1a - Ecological Survey Area (550m)
-  Corn Bunting



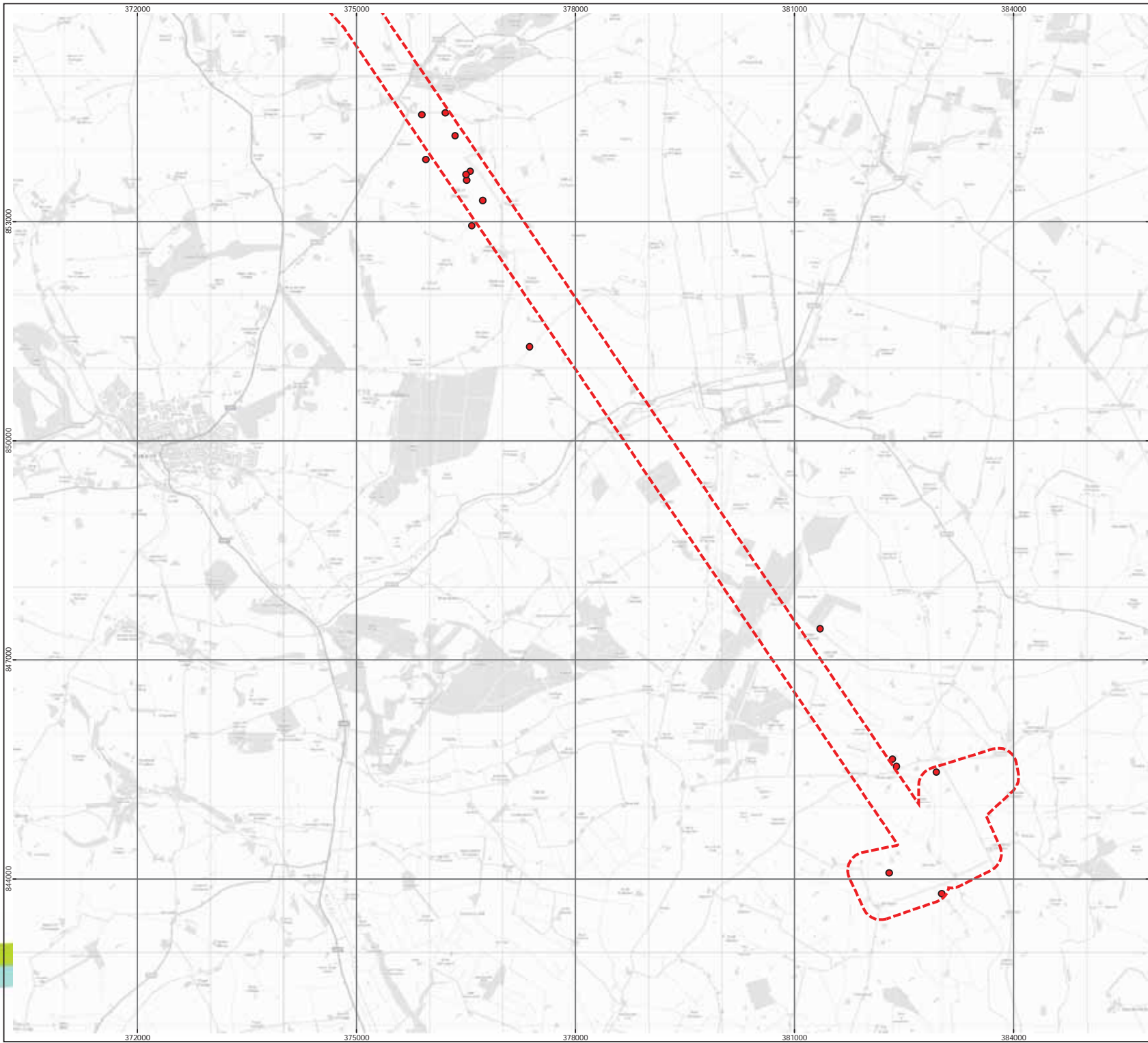
Horizontal Scale: 1:50,000 A3 Chart  
0 1,000 2,000 Meters

Geodetic Parameters: British National Grid  
Produced: SEL  
Reviewed: ES  
Approved: PM  
Date: 19/06/2014 Revision: A  
REF:8460001-PSO0109-RPS-MAP-003

Figure 4.6-3 Corn Bunting Breeding Bird Survey Results (May 2014)  
(1 of 2)



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Renewables Ltd

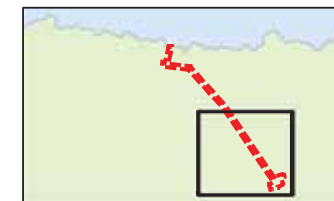
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### Moray Offshore Renewables Ltd

#### KEY

-  Option 1a - Ecological Survey Area (550m)
-  Corn Bunting



Horizontal Scale: 1:50,000 A3 Chart  
0 1,000 2,000 Meters

Geodetic Parameters: British National Grid

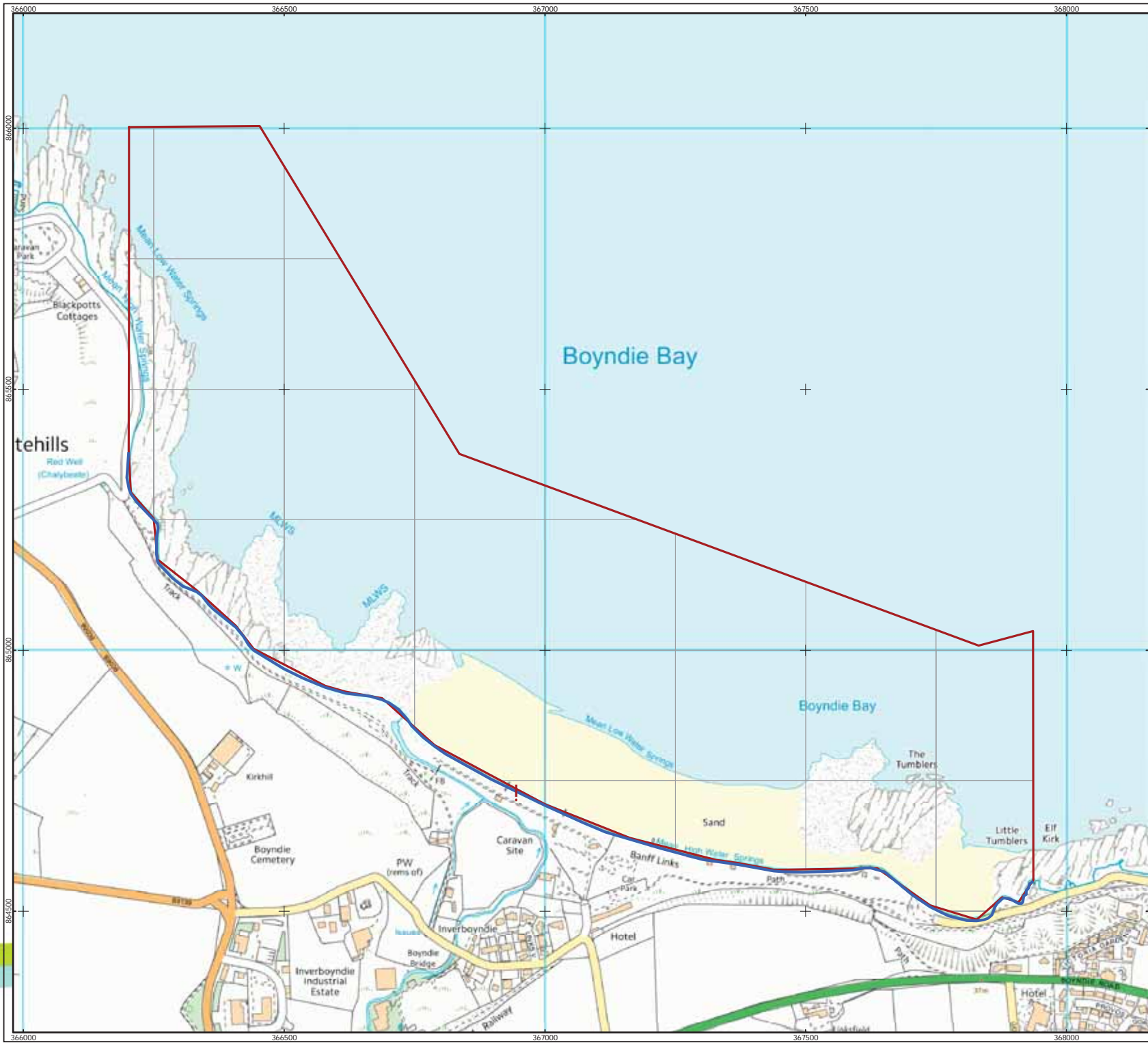
Produced: SEL  
Reviewed: ES  
Approved: PM

Date: 19/06/2014 Revision: A  
REF:8460001-PSO0109-RPS-MAP-004

Figure 4.6-3 Corn Bunting Breeding Bird Survey Results (May 2014)  
(2 of 2)

Moray Offshore  
Renewables Ltd





**Moray Offshore Renewables Ltd**

- Key**
- ! Indicative landfall point
  - High water line within 1 km of cable landfall
  - ▭ Coastal survey area
  - 250 m grid



Horizontal Scale: 1:7,000 A3 Chart  
 0 150 300 Meters

Geodetic Parameters: British National Grid  
 Produced: SEL  
 Reviewed: ES  
 Approved: PM  
 Date: 19/06/2014 Revision: A  
 REF: 8460001-PSO0109-RPS-MAP-005

**Figure 4.6-4**  
**Boyndie Bay**  
**Coastal Survey Area**

**Moray Offshore**  
**Renewables Ltd**



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrow - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0    250    500 Meters

Geodetic Parameters: British National Grid

Produced: SEL  
Reviewed: ES  
Approved: PM

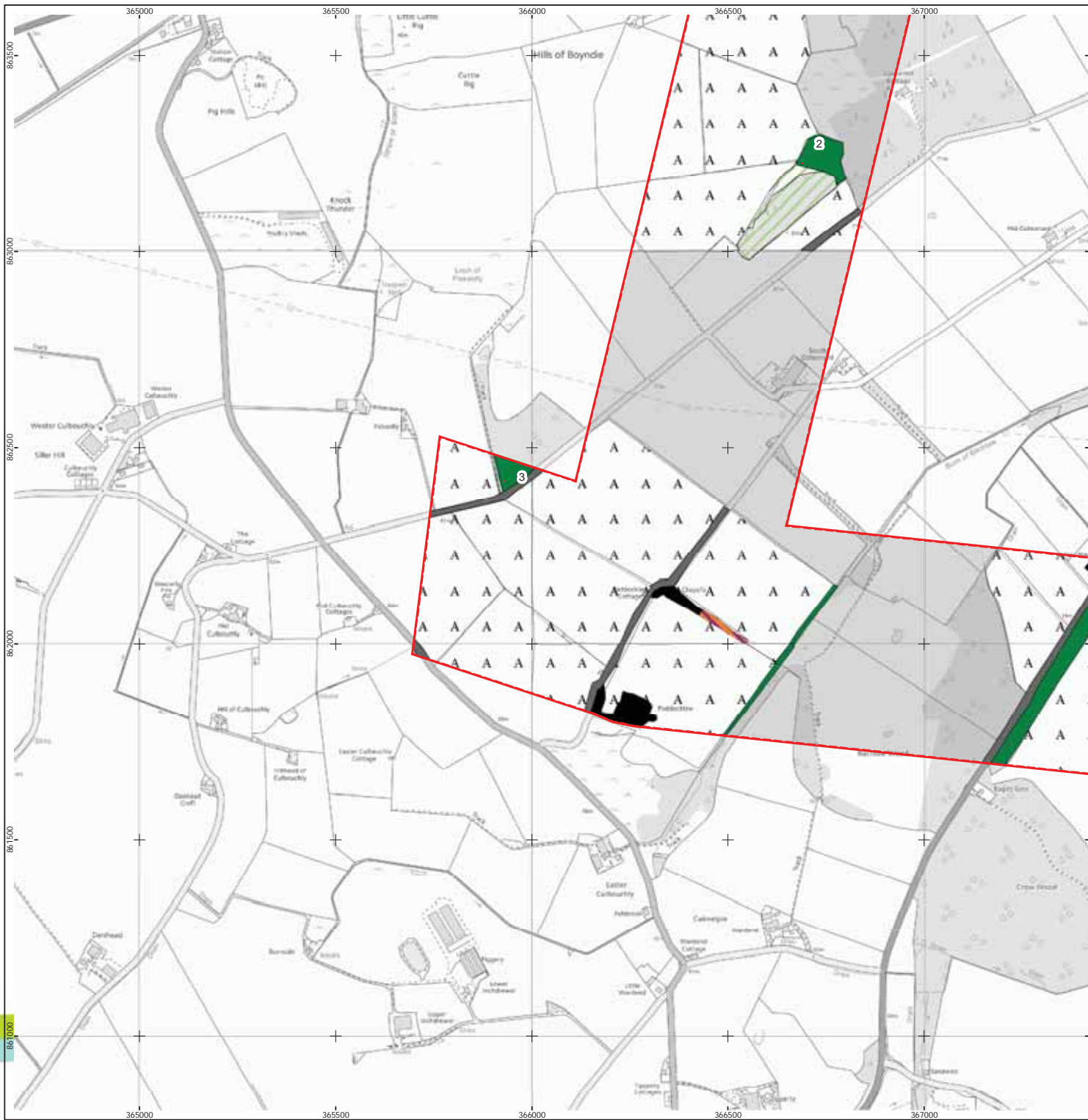
Date: 19/06/2014    Revision: A

REF:8460001-PSO0109-RPS-MAP-006

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (1 of 13)

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**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrew - intact, native species-poor	Arable land
Fence	Amenity grassland
Wall	Caravan site
Dry ditch	Buildings
Broadleaved tree	Bare ground
Coniferous tree	Other habitat
Scrub: scattered	Road
Target note	Coastland:
	Shingle above high tide mark
	Boulders/rocks above high tide mark
	Dune grassland
<b>Woodland:</b>	Mire:
Semi-natural broadleaved	Wet modified bog
Plantation broadleaved	<b>Rock and Quarry:</b>
Semi-natural coniferous	Inland cliff - acid/neutral
Plantation coniferous	Quarry
Semi-natural mixed	Not accessible
Plantation mixed	<b>Scrub, tall herb and fern:</b>
Mixed Parkland/scattered trees	Scrub - scattered
<b>Arable land and grassland:</b>	Scrub - dense/continuous
Marshy Grassland	Tall herb and fern - ruderal
Acid grassland - semi-improved	<b>Water and wetland:</b>
Neutral grassland - semi-improved	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0      250      500 Meters

Geodetic Parameters: British National Grid

Produced: SEL  
Reviewed: ES  
Approved: PM

Date: 19/06/2014      Revision: A

REF:8460001-PSO0109-RPS-MAP-007

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (2 of 13)

Moray Offshore Renewables Ltd



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgerow - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000 A3 Chart  
0 250 500 Meters

Geodetic Parameters: British National Grid

Produced: SEL  
Reviewed: ES  
Approved: PM

Date: 19/06/2014 Revision: A  
REF:8460001-PSO0109-RPS-MAP-008

**Figure 4.6-5**  
**Phase 1 Habitat Survey Results (3 of 13)**  
  
**Moray Offshore Renewables Ltd**



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrow - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0    250    500 Meters

Geodetic Parameters: British National Grid	
Produced: SEL	
Reviewed: ES	
Approved: PM	
Date: 19/06/2014	Revision: A
REF:8460001-PS00109-RPS-MAP-009	

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (4 of 13)



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrow - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0      250      500 Meters

Geodetic Parameters:    British National Grid

Produced: SEL  
Reviewed: ES  
Approved: PM

Date: 19/06/2014      Revision: A

REF:8460001-PSO109-RPS-MAP-0010

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (5 of 13)

Moray Offshore Renewables Ltd



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrow - intact, native species-poor	Arable land
Fence	Built-up areas: Amenity grassland
Wall	Caravan site
Dry ditch	Buildings
Broadleaved tree	Bare ground
Coniferous tree	Other habitat
Scrub: scattered	Road
Target note	<b>Coastland:</b>
	Shingle above high tide mark
	Boulders/rocks above high tide mark
	Dune grassland
<b>Woodland:</b>	<b>Mire:</b> Wet modified bog
Semi-natural broadleaved	<b>Rock and Quarry:</b>
Plantation broadleaved	Inland cliff - acid/neutral
Semi-natural coniferous	Quarry
Plantation coniferous	Not accessible
Semi-natural mixed	<b>Scrub, tall herb and fern:</b>
Plantation mixed	Scrub - scattered
Mixed Parkland/scattered trees	Scrub - dense/continuous
<b>Arable land and grassland:</b>	Tall herb and fern - ruderal
Marshy Grassland	<b>Water and wetland:</b>
Acid grassland - semi-improved	Standing water
Neutral grassland - semi-improved	Running water

Horizontal Scale: 1:10,000    A3 Chart

0    250    500 Meters

Geodetic Parameters: British National Grid

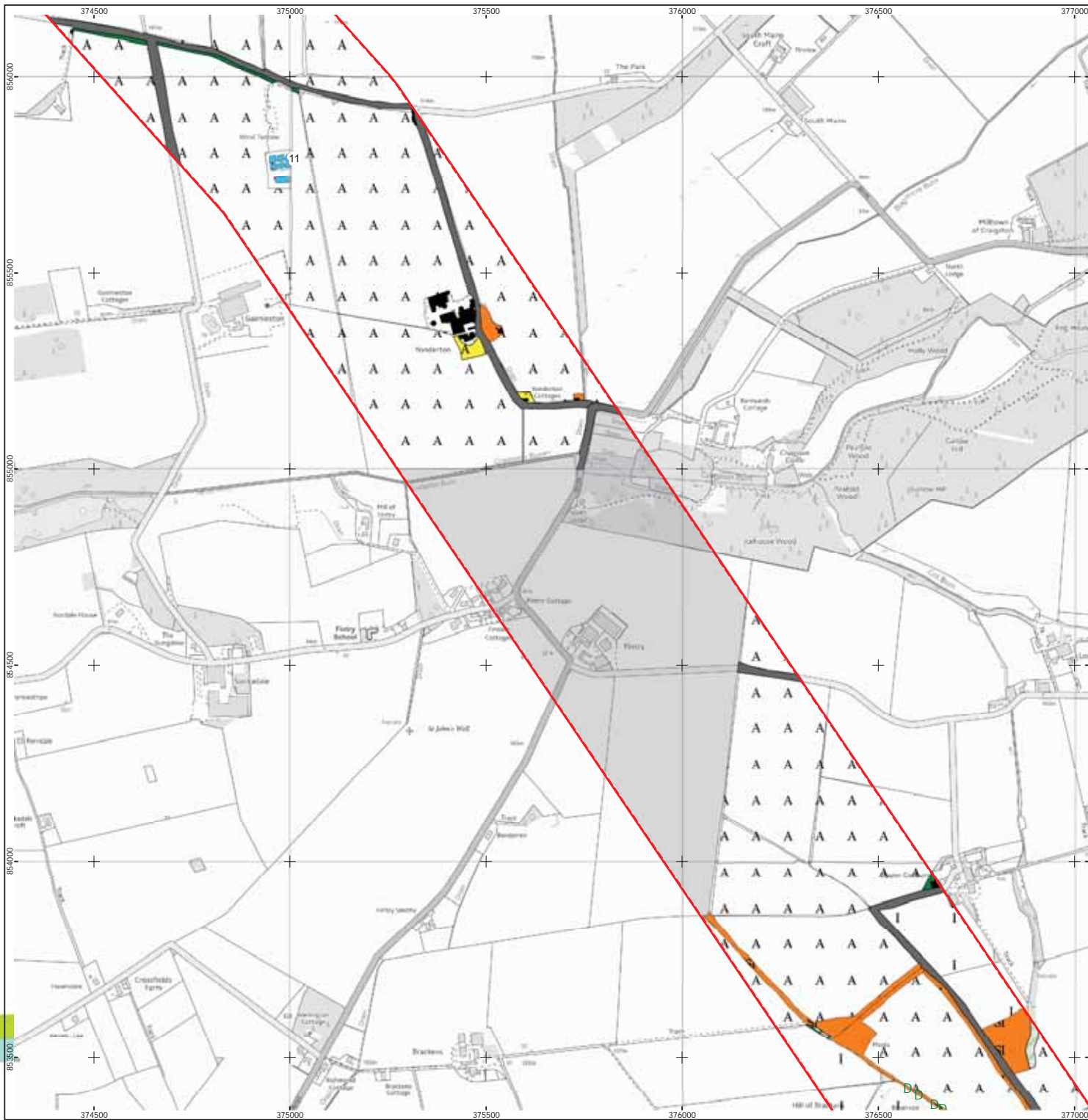
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Reviewed: ES  
Approved: PM

Date: 19/06/2014    Revision: A

REF:8460001-PSO0109-RPS-MAP-0011

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (6 of 13)

Moray Offshore Renewables Ltd



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrov - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000 A3 Chart

Geodetic Parameters: British National Grid

Produced: SEL	Reviewed: ES	Approved: PM
Date: 19/06/2014	Revision: A	
REF:8460001-PSO0109-RPS-MAP-0012		

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (7 of 13)

Moray Offshore Renewables Ltd





**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrov - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
	<b>Coastland:</b>
	Shingle above high tide mark
	Boulders/rocks above high tide mark
	Dune grassland
<b>Woodland:</b>	<b>Mire:</b>
Semi-natural broadleaved	Wet modified bog
Plantation broadleaved	<b>Rock and Quarry:</b>
Semi-natural coniferous	Inland cliff - acid/neutral
Plantation coniferous	Quarry
Semi-natural mixed	Not accessible
Plantation mixed	<b>Scrub, tall herb and fern:</b>
Mixed Parkland/scattered trees	Scrub - scattered
<b>Arable land and grassland:</b>	Scrub - dense/continuous
Marshy Grassland	Tall herb and fern - ruderal
Acid grassland - semi-improved	<b>Water and wetland:</b>
Neutral grassland - semi-improved	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0      250      500 Meters

Geodetic Parameters:    British National Grid

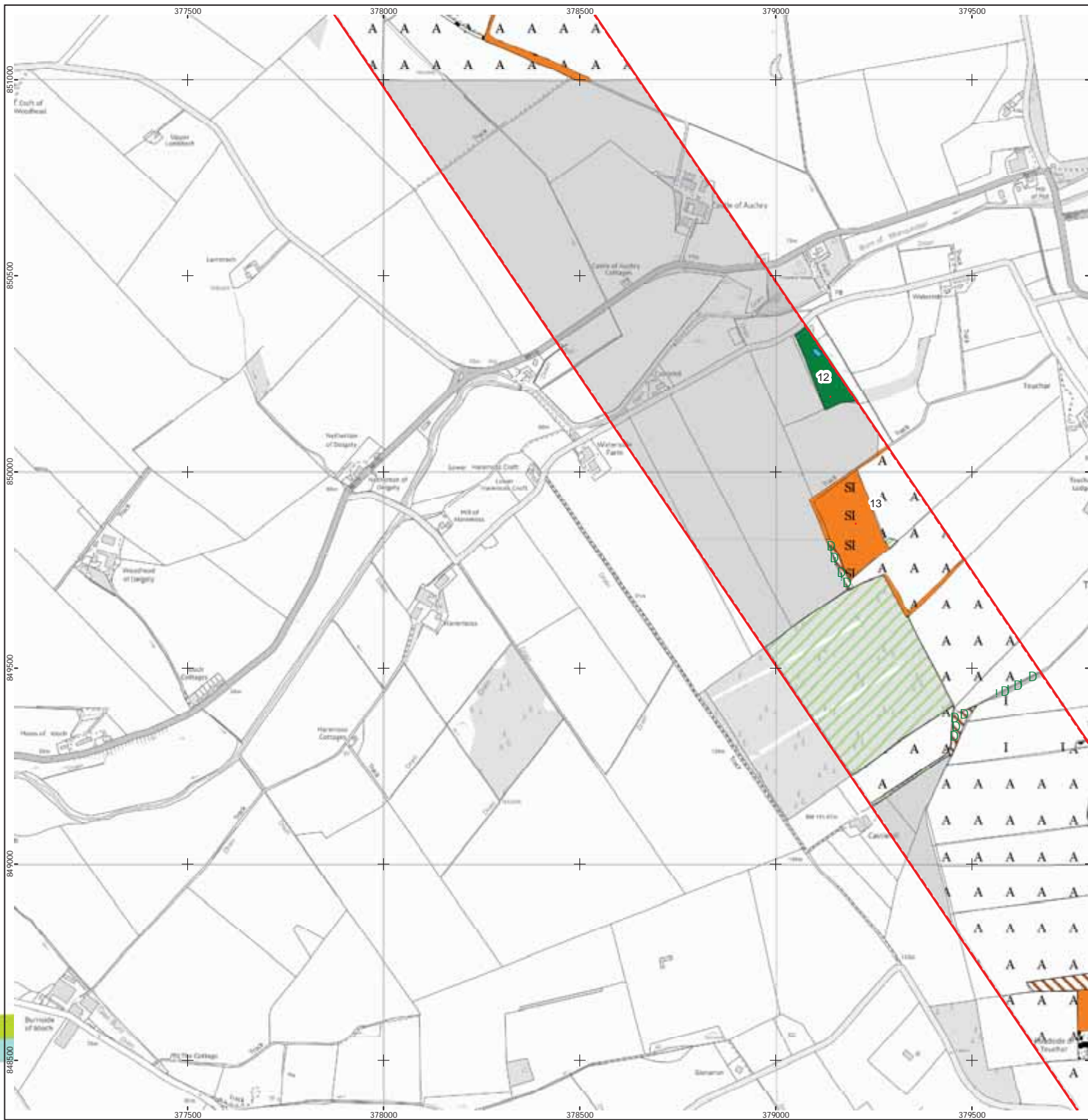
Produced: SEL  
Reviewed: ES  
Approved: PM

Date: 19/06/2014      Revision: A

REF:8460001-PSO0109-RPS-MAP-0013

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (8 of 13)

Moray Offshore Renewables Ltd



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrow - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000 A3 Chart

Geodetic Parameters: British National Grid

Produced: SEL	Reviewed: ES	Approved: PM
Date: 19/06/2014	Revision: A	
REF:8460001-PSO0109-RPS-MAP-0014		

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (9 of 13)

Moray Offshore Renewables Ltd



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrov - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
	<b>Coastland:</b>
	Shingle above high tide mark
	Boulders/rocks above high tide mark
	Dune grassland
<b>Woodland:</b>	<b>Mire:</b>
Semi-natural broadleaved	Wet modified bog
Plantation broadleaved	<b>Rock and Quarry:</b>
Semi-natural coniferous	Inland cliff - acid/neutral
Plantation coniferous	Quarry
Semi-natural mixed	Not accessible
Plantation mixed	<b>Scrub, tall herb and fern:</b>
Mixed Parkland/scattered trees	Scrub - scattered
<b>Arable land and grassland:</b>	Scrub - dense/continuous
Marshy Grassland	Tall herb and fern - ruderal
Acid grassland - semi-improved	<b>Water and wetland:</b>
Neutral grassland - semi-improved	Standing water
	Running water

Horizontal Scale: 1:10,000 A3 Chart

0 250 500 Meters

Geodetic Parameters: British National Grid

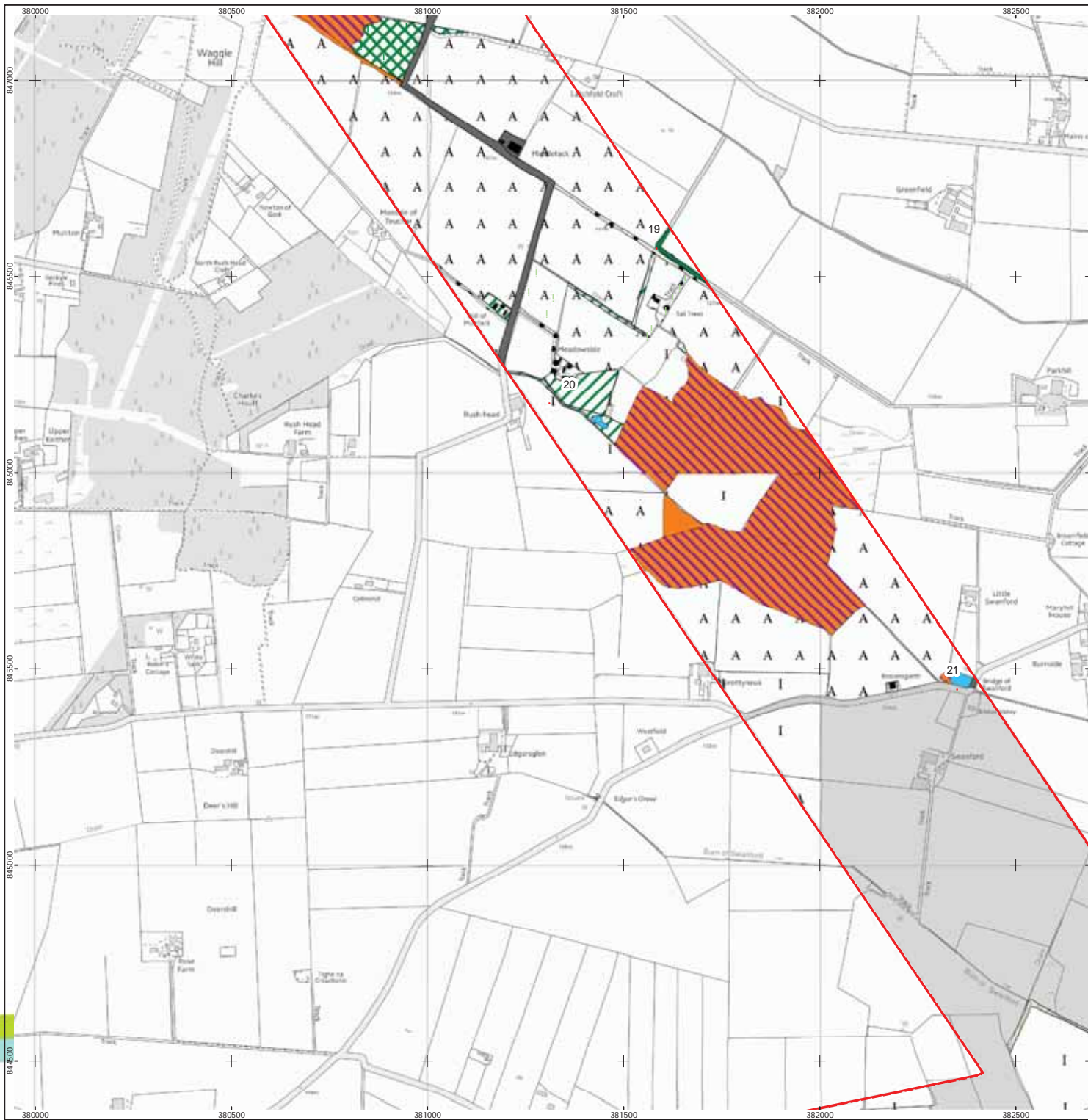
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Reviewed: ES  
Approved: PM

Date: 19/06/2014 Revision: A

REF:8460001-PSO0109-RPS-MAP-0015

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (10 of 13)

Moray Offshore Renewables Ltd



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrov - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
<b>Woodland:</b>	<b>Coastland:</b>
Semi-natural broadleaved	Shingle above high tide mark
Plantation broadleaved	Boulders/rocks above high tide mark
Semi-natural coniferous	Dune grassland
Plantation coniferous	<b>Mire:</b>
Semi-natural mixed	Wet modified bog
Plantation mixed	<b>Rock and Quarry:</b>
Mixed Parkland/scattered trees	Inland cliff - acid/neutral
<b>Arable land and grassland:</b>	Quarry
Marshy Grassland	Not accessible
Acid grassland - semi-improved	<b>Scrub, tall herb and fern:</b>
Neutral grassland - semi-improved	Scrub - scattered
	Scrub - dense/continuous
	Tall herb and fern - ruderal
	<b>Water and wetland:</b>
	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0      250      500 Meters

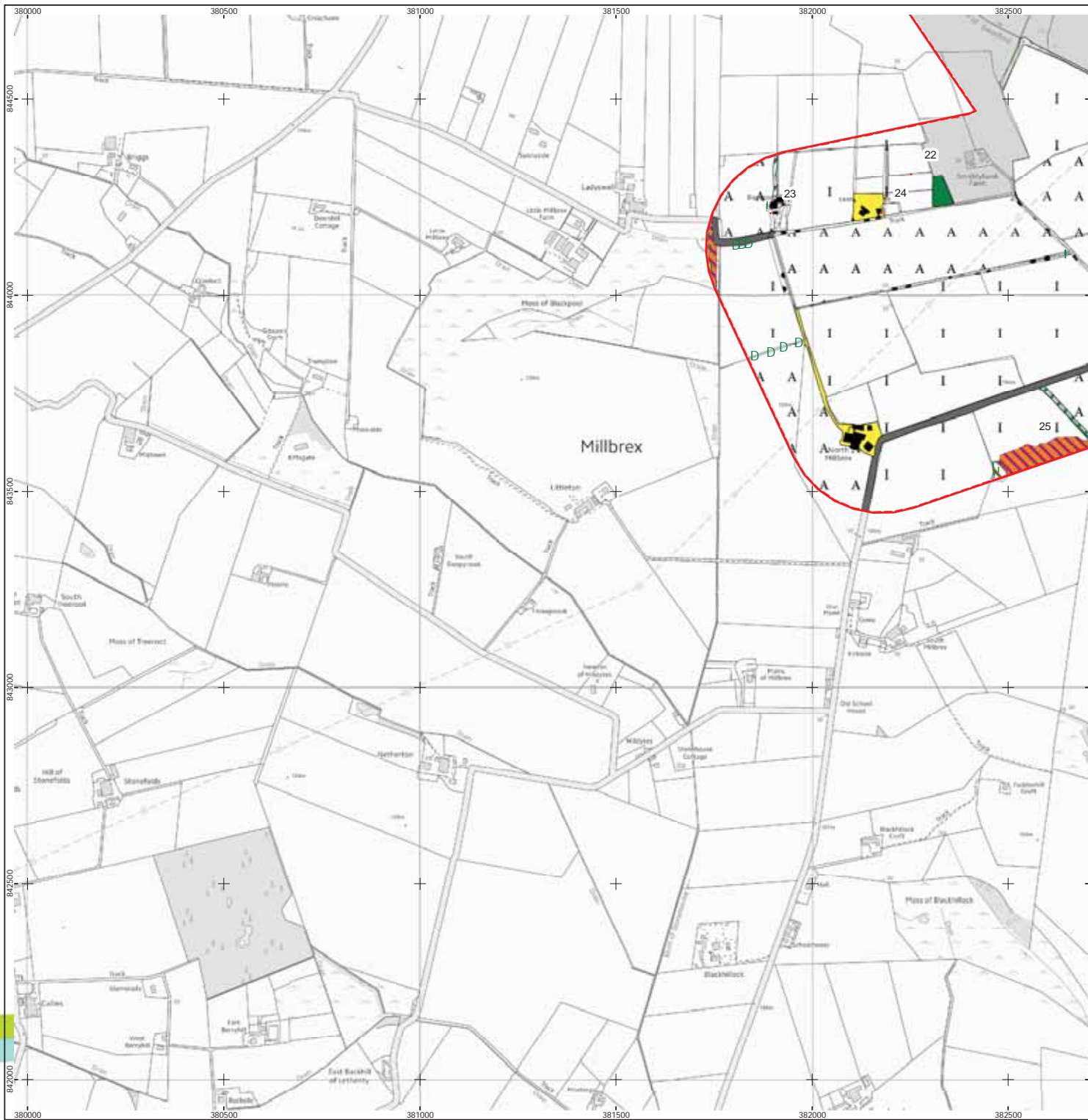
Geodetic Parameters:    British National Grid

Produced: SEL  
Reviewed: ES  
Approved: PM

Date: 19/06/2014      Revision: A

REF:8460001-PSO0109-RPS-MAP-0016

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (11 of 13)



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrow - intact, native species-poor	Arable land
Fence	<b>Built-up areas:</b>
Wall	Amenity grassland
Dry ditch	Caravan site
Broadleaved tree	Buildings
Coniferous tree	Bare ground
Scrub: scattered	Other habitat
Target note	Road
	<b>Coastland:</b>
	Shingle above high tide mark
	Boulders/rocks above high tide mark
	Dune grassland
<b>Woodland:</b>	<b>Mire:</b>
Semi-natural broadleaved	Wet modified bog
Plantation broadleaved	<b>Rock and Quarry:</b>
Semi-natural coniferous	Inland cliff - acid/neutral
Plantation coniferous	Quarry
Semi-natural mixed	Not accessible
Plantation mixed	<b>Scrub, tall herb and fern:</b>
Mixed Parkland/scattered trees	Scrub - scattered
<b>Arable land and grassland:</b>	Scrub - dense/continuous
Marshy Grassland	Tall herb and fern - ruderal
Acid grassland - semi-improved	<b>Water and wetland:</b>
Neutral grassland - semi-improved	Standing water
	Running water

Horizontal Scale: 1:10,000    A3 Chart

0      250      500 Meters

Geodetic Parameters:    British National Grid

Produced: SEL	Reviewed: ES
Date: 19/06/2014	Revision: A
REF:8460001-PSO0109-RPS-MAP-0017	

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (12 of 13)



**Key**

Option 1a - Ecological Survey Area (550m)	Improved
Running water	Poor semi-improved grassland
Hedgegrov - intact, native species-poor	Arable land
Fence	Amenity grassland
Wall	Caravan site
Dry ditch	Buildings
Broadleaved tree	Bare ground
Coniferous tree	Other habitat
Scrub: scattered	Road
Target note	<b>Coastland:</b>
	Shingle above high tide mark
	Boulders/rocks above high tide mark
	Dune grassland
<b>Woodland:</b>	<b>Mire:</b>
Semi-natural broadleaved	Wet modified bog
Plantation broadleaved	<b>Rock and Quarry:</b>
Semi-natural coniferous	Inland cliff - acid/neutral
Plantation coniferous	Quarry
Semi-natural mixed	Not accessible
Plantation mixed	<b>Scrub, tall herb and fern:</b>
Mixed Parkland/scattered trees	Scrub - scattered
<b>Arable land and grassland:</b>	Scrub - dense/continuous
Marshy Grassland	Tall herb and fern - ruderal
Acid grassland - semi-improved	<b>Water and wetland:</b>
Neutral grassland - semi-improved	Standing water
	Running water

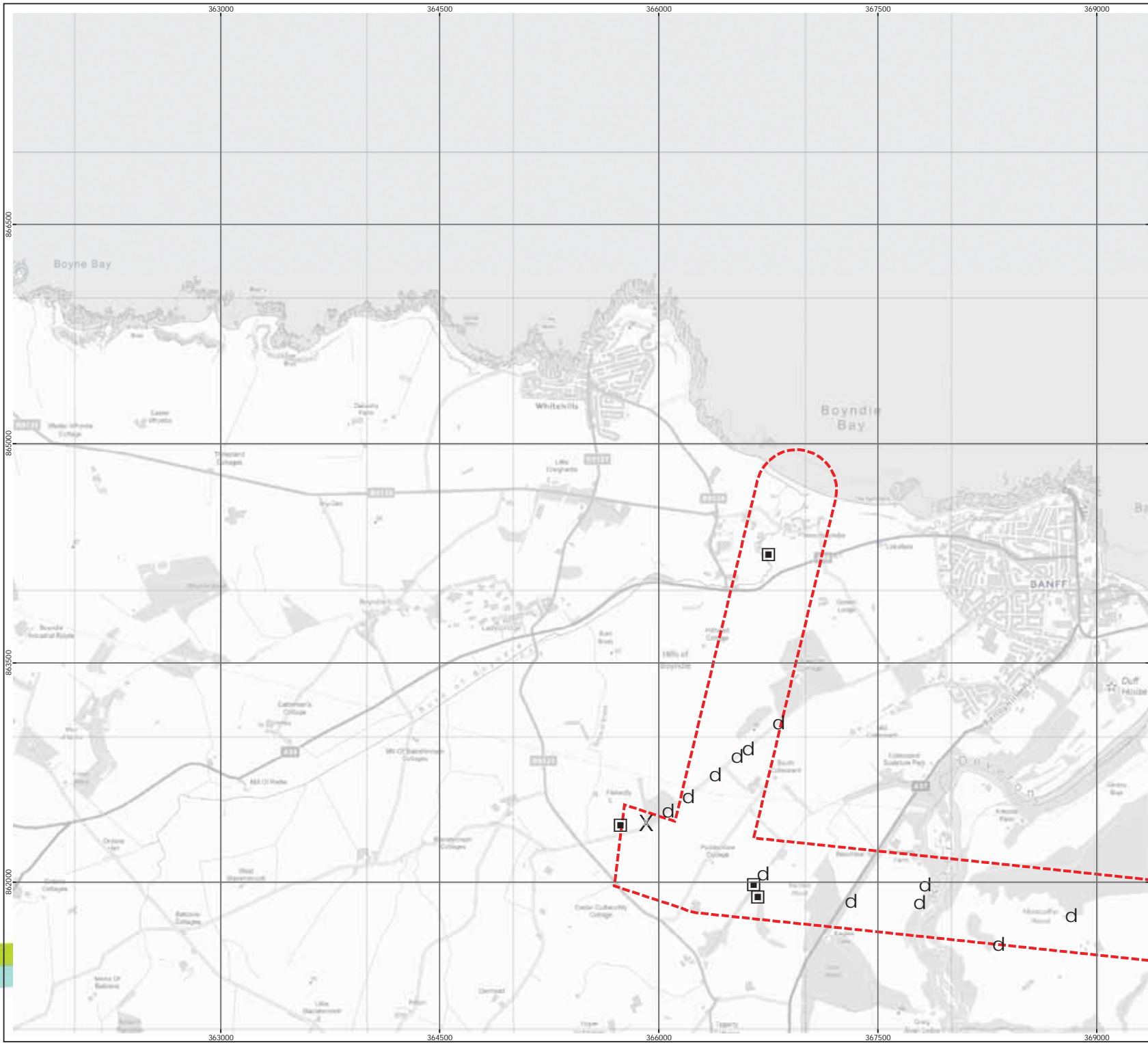
Horizontal Scale: 1:10,000    A3 Chart

0    250    500 Meters

Geodetic Parameters: British National Grid

Produced: SEL	Reviewed: ES	Approved: PM
Date: 19/06/2014	Revision: A	
REF:8460001-PSO0109-RPS-MAP-0018		

**Figure 4.6-5**  
Phase 1 Habitat Survey Results (13 of 13)



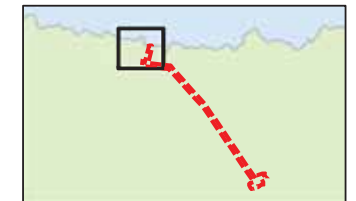
**Moray Offshore Renewables Ltd**

**KEY**

Option 1a - Ecological Survey Area (550m)

**Protected Mammals**

- Badger latrine
- Badger run
- Badger snuff hole



Horizontal Scale: 1:25,000 A3 Chart  
 0 500 1,000 Meters

Geodetic Parameters: British National Grid

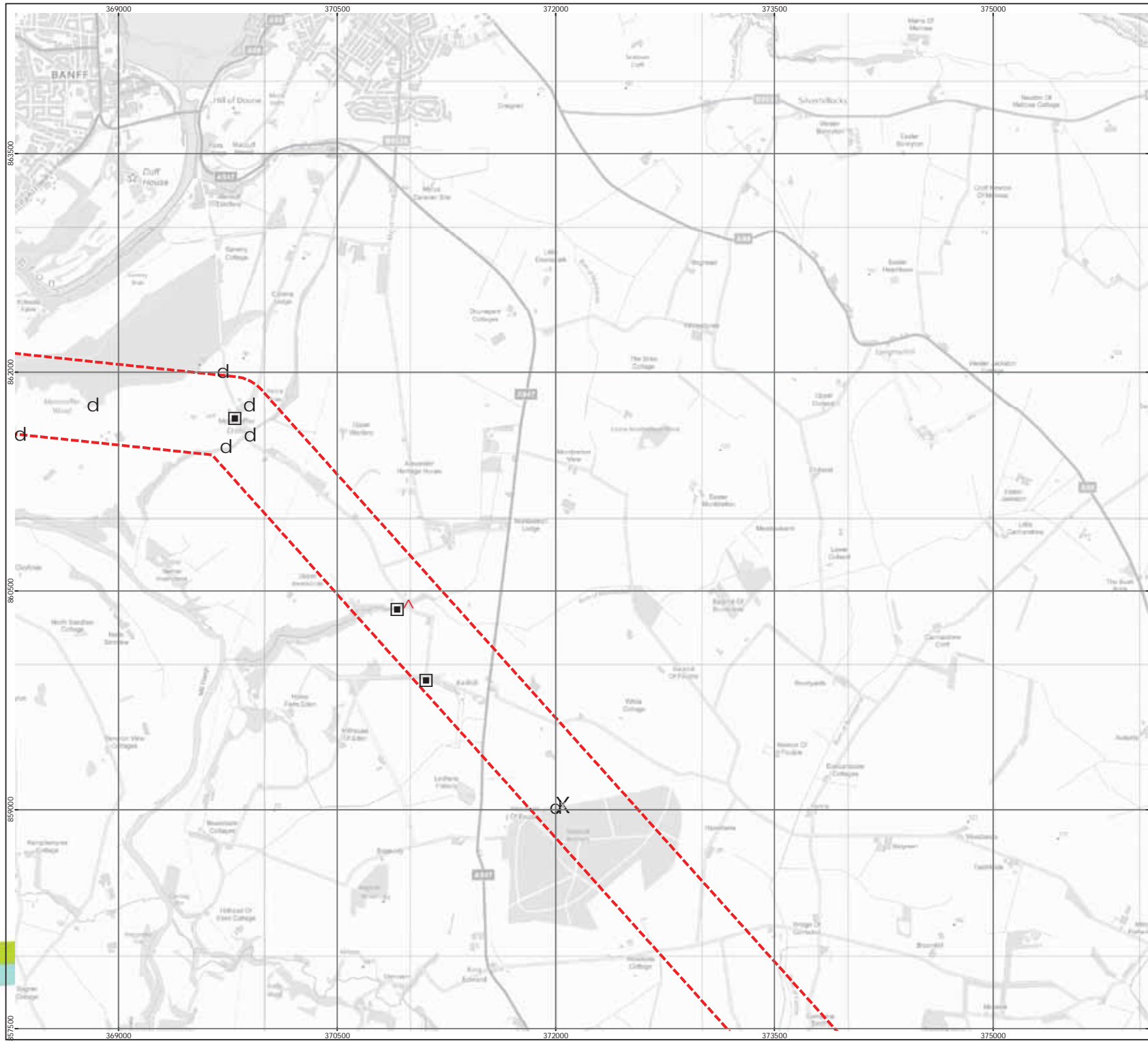
Produced: SEL  
 Reviewed: ES  
 Approved: PM

Date: 19/06/2014 Revision: A  
 REF:8460001-PSO0109-RPS-MAP-0019

**Figure 4.6-6**  
**Protected Mammal Survey Results**  
 (1 of 5)

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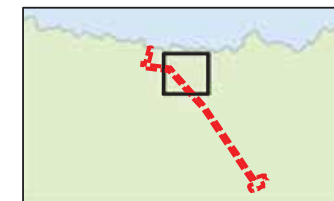
**Moray Offshore Renewables Ltd**

**KEY**

Option 1a - Ecological Survey Area (550m)

**Protected Mammals**

- Red squirrel sighting
- Badger latrine
- Badger run
- Badger snuff hole

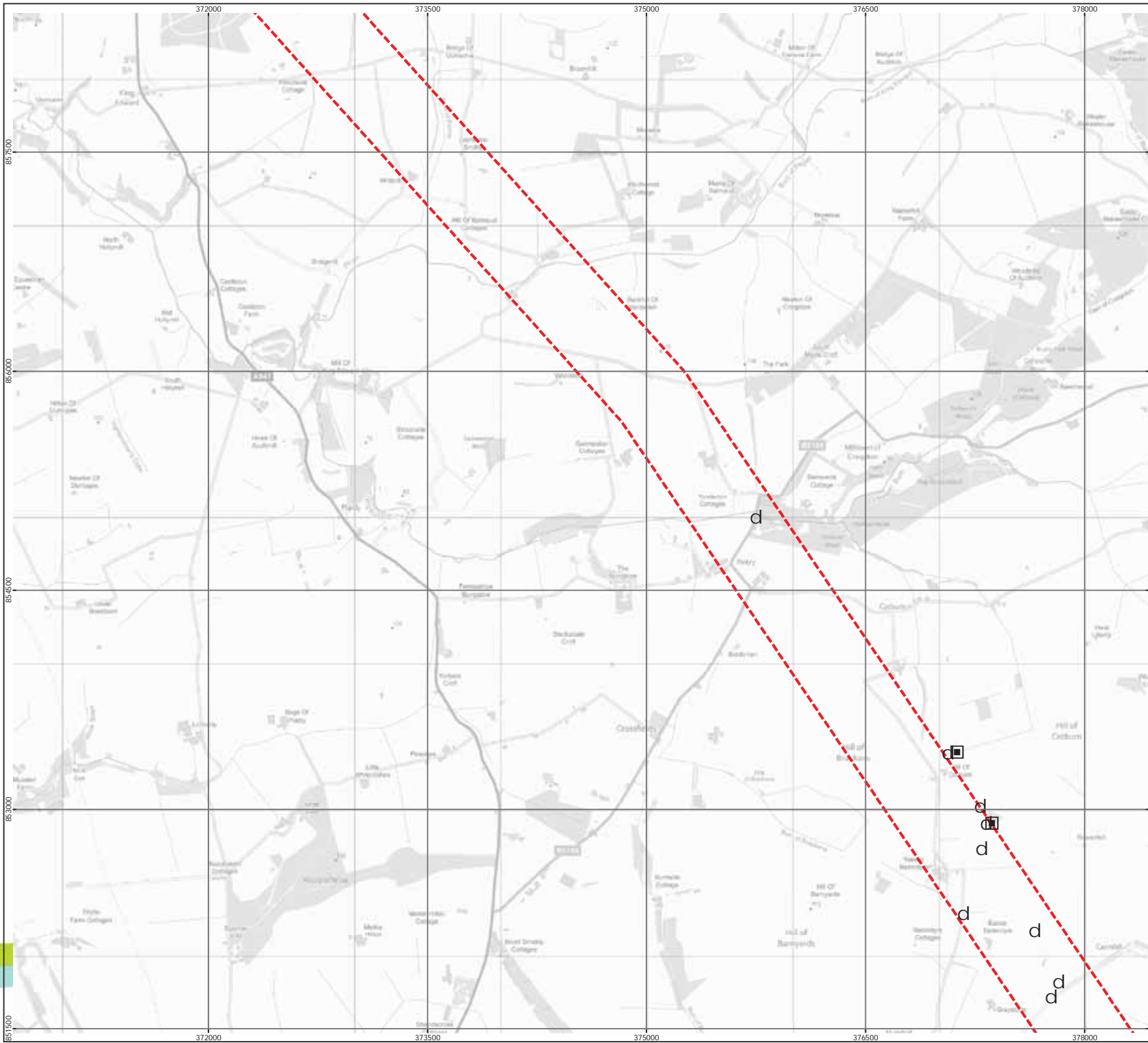


Horizontal Scale: 1:25,000 A3 Chart

Geodetic Parameters: British National Grid	
Produced: SEL	
Reviewed: ES	
Approved: PM	
Date: 19/06/2014	Revision: A
REF:8460001-PSO0109-RPS-MAP-0020	

**Figure 4.6-6**  
**Protected Mammal Survey Results**  
 (2 of 5)





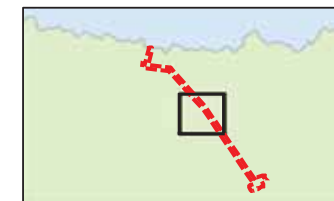
**Moray Offshore Renewables Ltd**

**KEY**

- Option 1a - Ecological Survey Area (550m)

**Protected Mammals**

- Badger latrine
- d Badger run



Horizontal Scale: 1:25,000 A3 Chart  
 0 500 1,000 Meters

Geodetic Parameters: British National Grid	
Produced: SEL	
Reviewed: ES	
Approved: PM	
Date: 19/06/2014	Revision: A
REF:8460001-PSO0109-RPS-MAP-0021	

**Figure 4.6-6**  
**Protected Mammal Survey Results**  
 (3 of 5)

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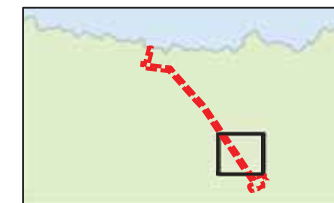
**Moray Offshore Renewables Ltd**

**KEY**

Option 1a - Ecological Survey Area (550m)

**Protected Mammals**

- Watervole latrine
- \* Watervole burrow
- Potential red squirrel feeding signs
- Otter spraint
- ⌋ Otter couch
- Badger latrine
- d Badger run
- X Badger snuffle hole

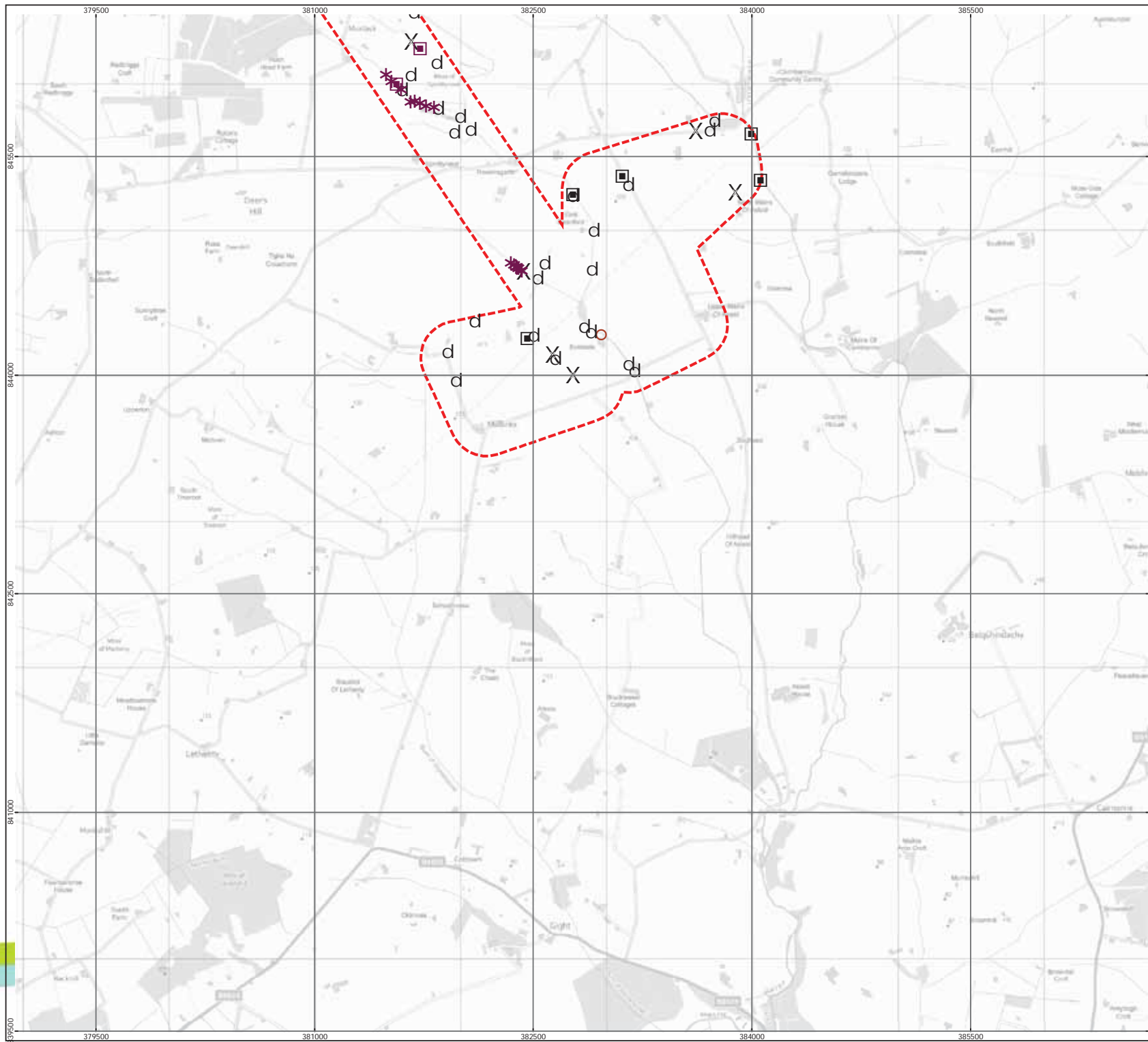


Horizontal Scale: 1:25,000 A3 Chart  
 0 500 1,000 Meters

Geodetic Parameters: British National Grid	
Produced: SEL	
Reviewed: ES	
Approved: PM	
Date: 19/06/2014	Revision: A
REF:8460001-PSO0109-RPS-MAP-0022	

**Figure 4.6-6**  
**Protected Mammal Survey Results**  
 (4 of 5)

**Moray Offshore Renewables Ltd**



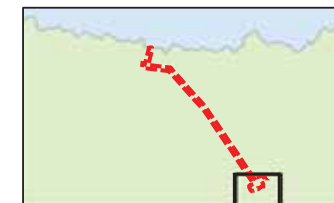
**Moray Offshore Renewables Ltd**

**KEY**

Option 1a - Ecological Survey Area (550m)

**Protected Mammals**

- Watervole latrine
- Watervole burrow
- Otter spraint
- Badger latrine
- Badger run
- Badger snuffle hole



Horizontal Scale: 1:25,000 A3 Chart



Geodetic Parameters: British National Grid

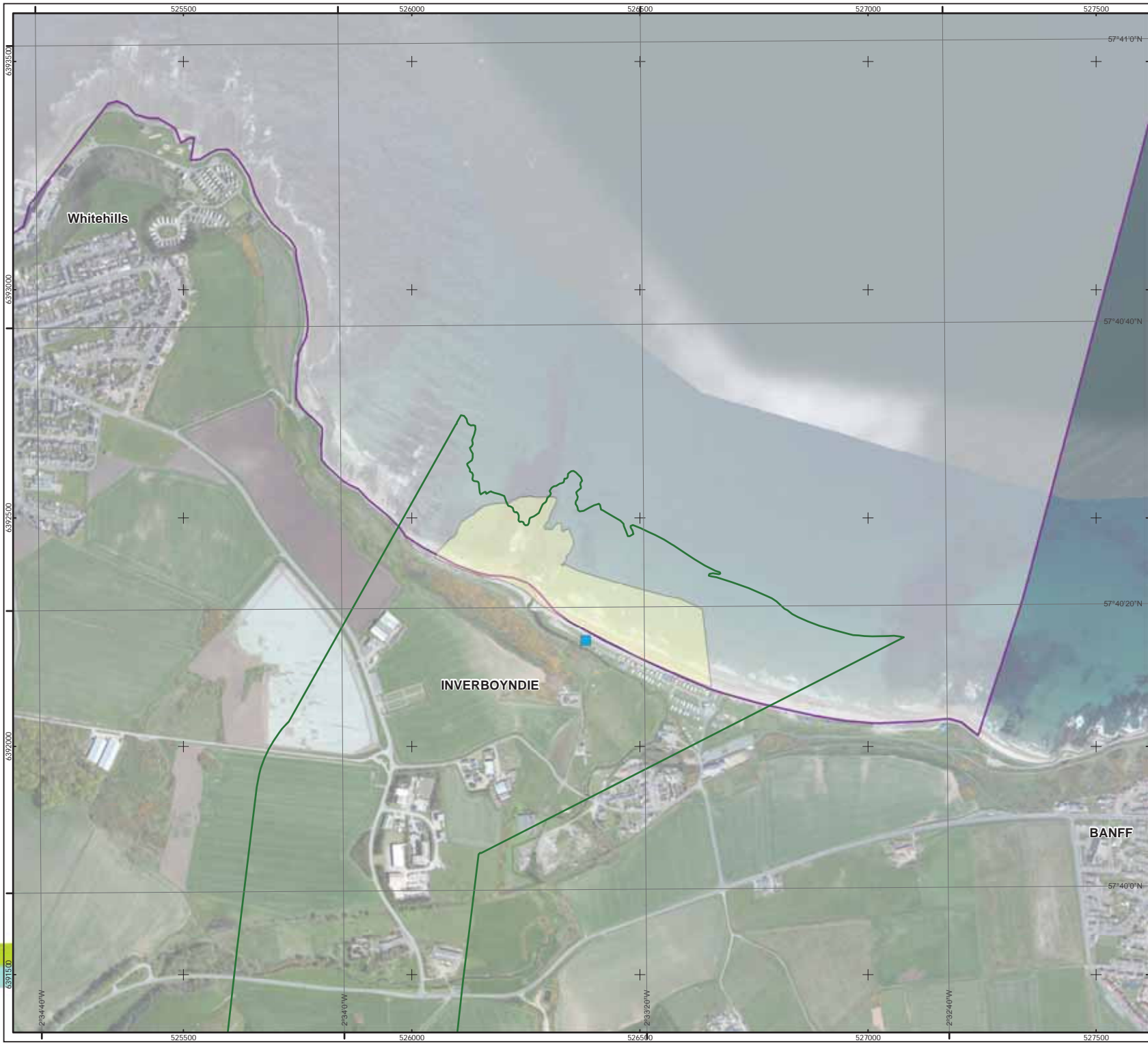
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Reviewed: ES  
Approved: PM

Date: 19/06/2014 Revision: A

REF:8460001-PSO0109-RPS-MAP-0023

**Figure 4.6-6**  
**Protected Mammal Survey Results**  
(5 of 5)


Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Geomatics, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
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**Moray Offshore Renewables Ltd**

**KEY**

- Intertidal Survey Area
- Modified Offshore Transmission Infrastructure Area
- Modified Onshore Transmission Infrastructure Area
- Indicative Cable Landfall

Horizontal Scale: 1:8,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

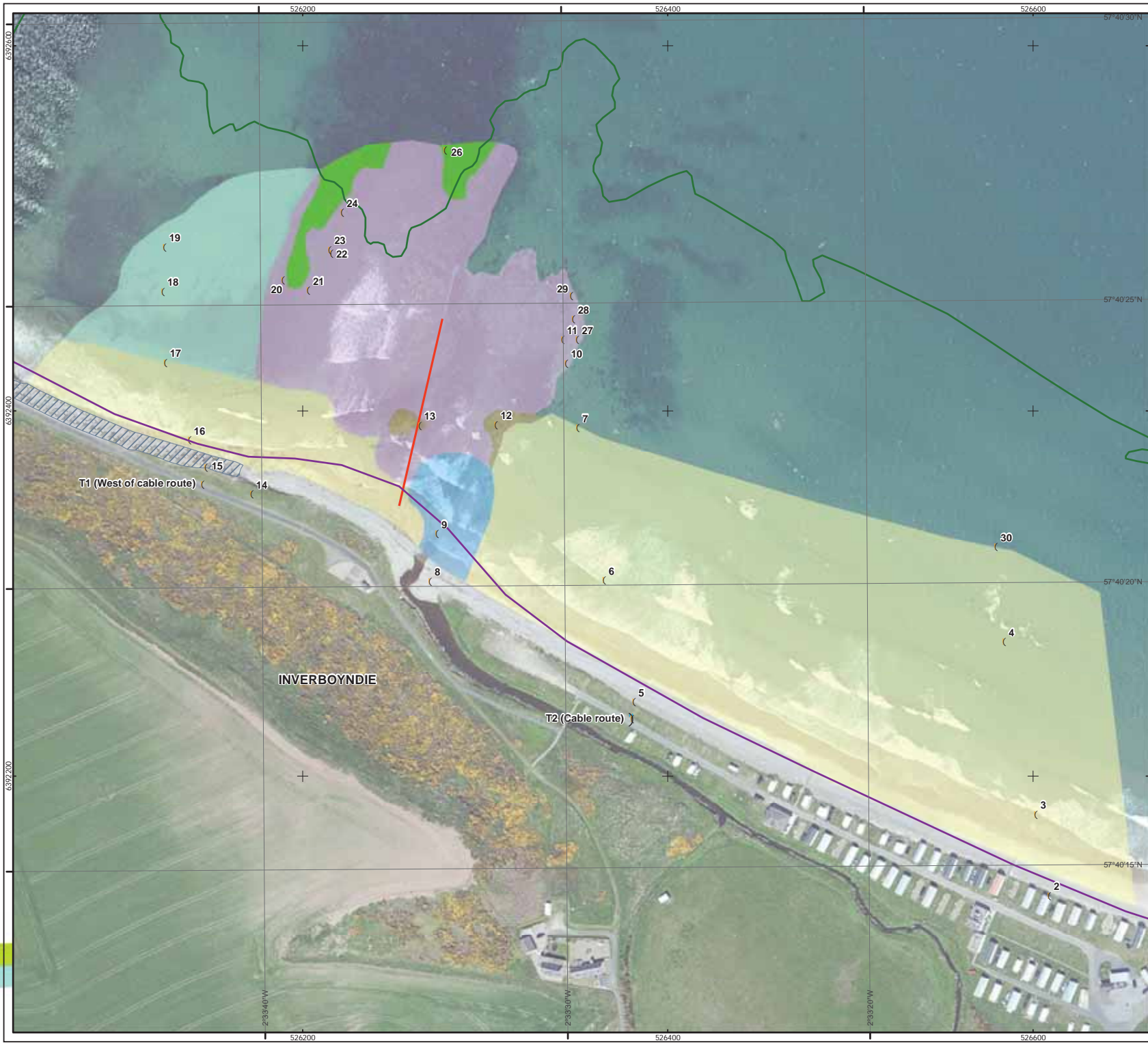
Produced: IMR  
 Reviewed: ES  
 Approved: CR

Date: 13/06/2014 Revision: A  
 REF: 8460001-PSO0131-EMU-MAP-003

**Figure 4.5-1  
 Location Plot**

**Moray Offshore  
 Renewables Ltd**

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AEX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the GIS User Community  
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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Onshore Transmission Infrastructure Area
- Modified Offshore Transmission Infrastructure Area
- ) Indicative Cable Landfall
- ( Survey Site

**Seabed Features**

- Sewage Outlet Pipe
- Rock Armour

**Biotopes**

- LR.MLR.BF.Fser.R
- IR.MIR.KR.Ldig.Bo
- LR.FLR.Eph.Ent
- LR.FLR.Eph.EntPor
- LS.LSa.FiSa.Po
- LS.LSa.MoSa.BarSa

Horizontal Scale: 1:2,000 A3 Chart  
 0 50 100 Metres

Geodetic Parameters: WGS84 UTM Zone 30N

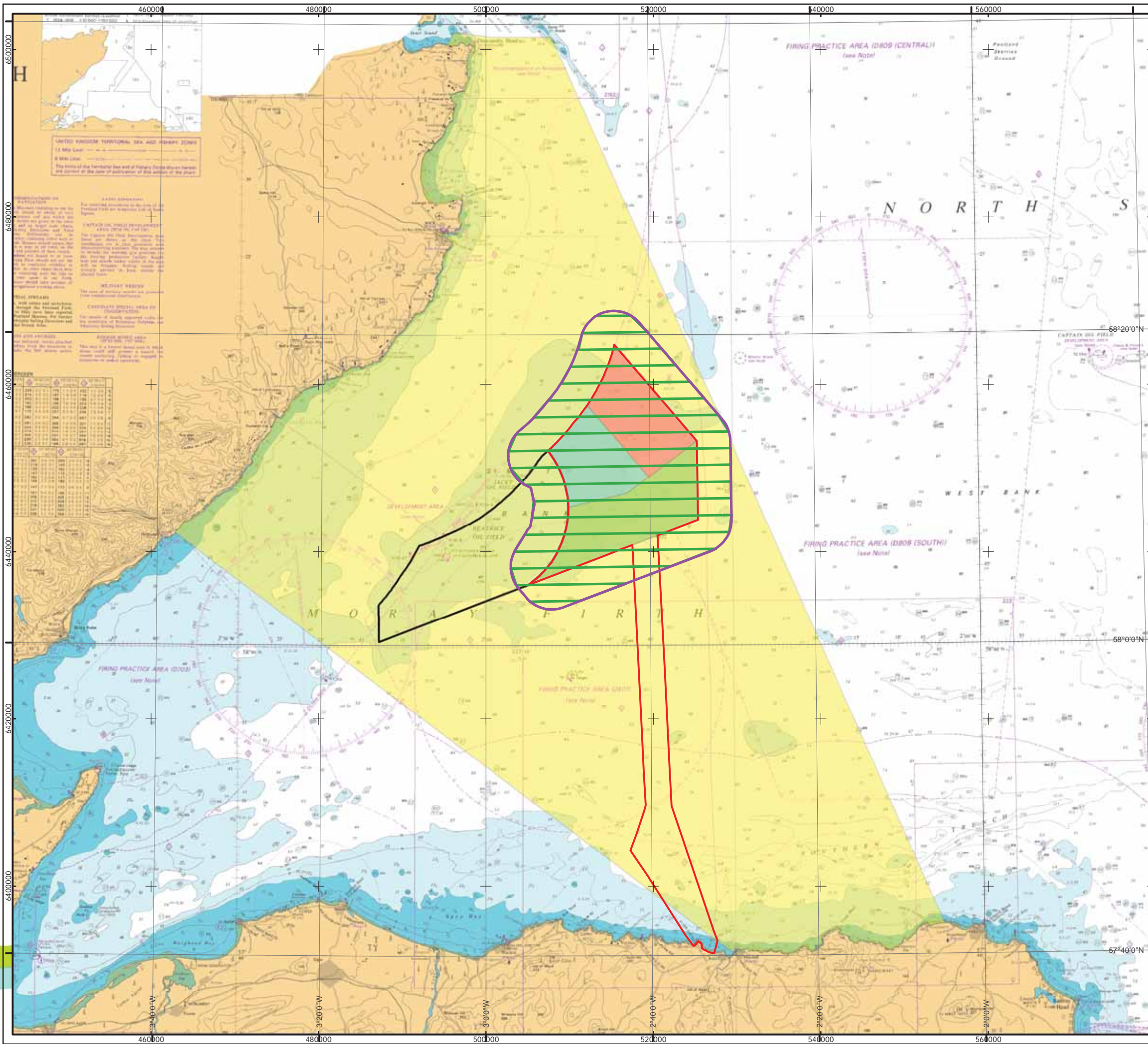
Produced: IMR  
 Reviewed: ES  
 Approved: CR

Date: 13/06/2014 Revision: A  
 REF: 8460001-PSO0131-EMU-MAP-004

**Figure 4.5-2**  
**Biotopes and Features**

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**Moray Offshore Renewables Ltd**

- KEY**
- Boat-based survey transects
  - Boat-based survey area
  - Aerial survey area (2011)
  - Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area

Horizontal Scale: 1:450,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

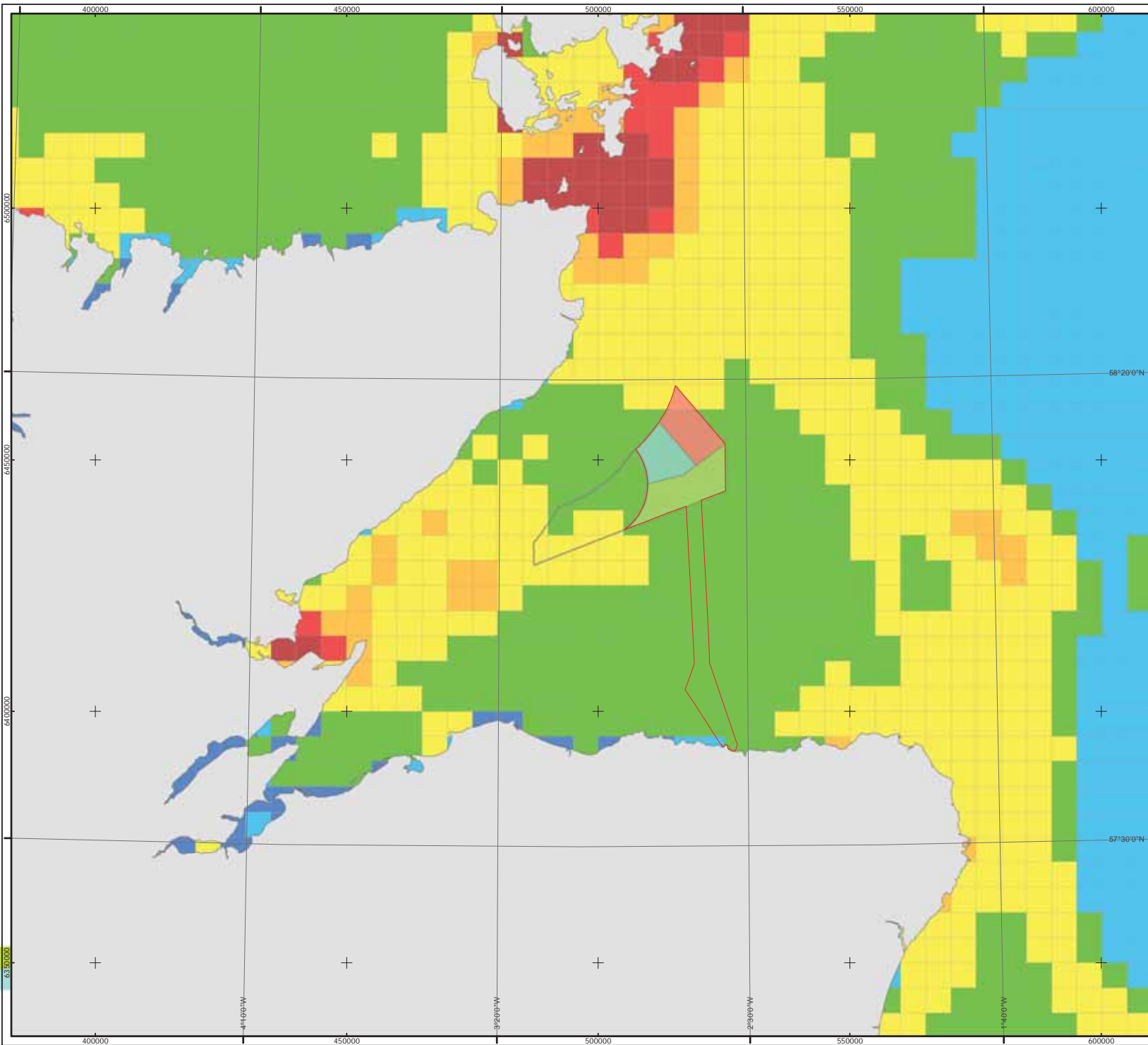
Produced: LG  
 Reviewed: ES  
 Approved: CR

Date: 16/06/2014 Revision: A  
 REF: 8460001-PSO0112-NPW-MAP-001

**Figure 4.4-1**  
**Marine Ornithology**  
**Baseline Survey Areas**

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 Renewables Ltd

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl Wind Farm
- Stevenson Wind Farm
- Telford Wind Farm
- Western Development Area

**Grey seal total estimated usage**

Average number of seals per 5 x 5km grid

- 0.0 - 1.0
- 1.1 - 5.0
- 5.1 - 10.0
- 10.1 - 50.0
- 50.1 - 100.0
- 100.1 - 150.0
- > 150.0

Data Source: Sea Mammal Research Unit (SMRU) as provided on MSI Website: [www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/seal-density](http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/seal-density)

Horizontal Scale: 1:750,000 A3 Chart

0 14,000 28,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: PH  
 Reviewed: PM  
 Approved: SP

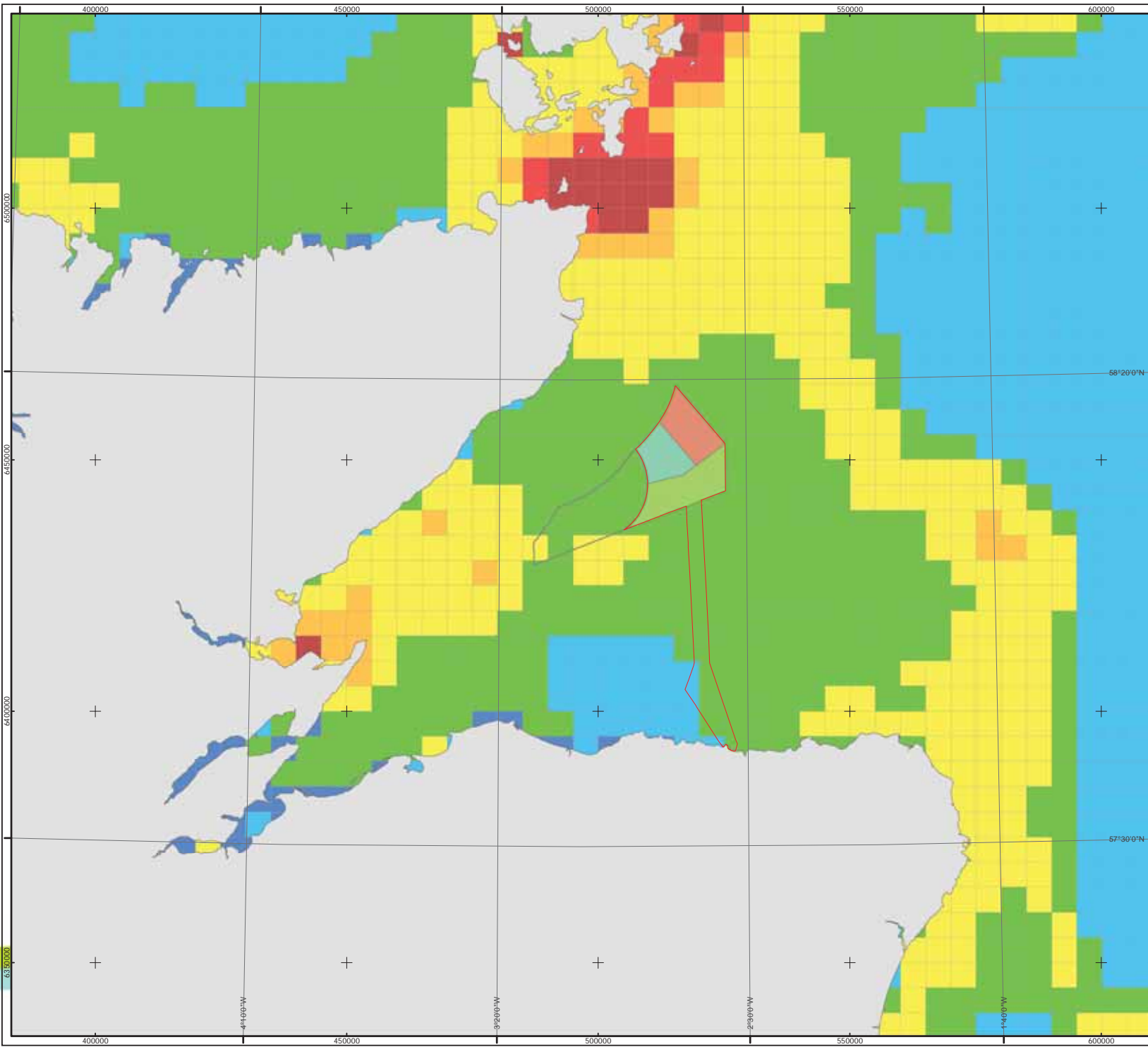
Date: 25/06/2014 Revision: A

REF: 8460001-PSO0142-NPW-MAP-001

**Figure 4.3-1 Grey Seal Total Usage**

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl Wind Farm
- Stevenson Wind Farm
- Telford Wind Farm
- Western Development Area

**Grey Seal at-sea estimated usage**

Average number of seals per 5 x 5 km grid

- 0.0 - 1.0
- 1.1 - 5.0
- 5.1 - 10.0
- 10.1 - 50.0
- 50.1 - 100.0
- 100.1 - 150.0
- > 150.0

Data Source: Sea Mammal Research Unit (SMRU) as provided on MSI Website: [www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/seal-density](http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/seal-density)

Horizontal Scale: 1:750,000 A3 Chart  
 0 14,000 28,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

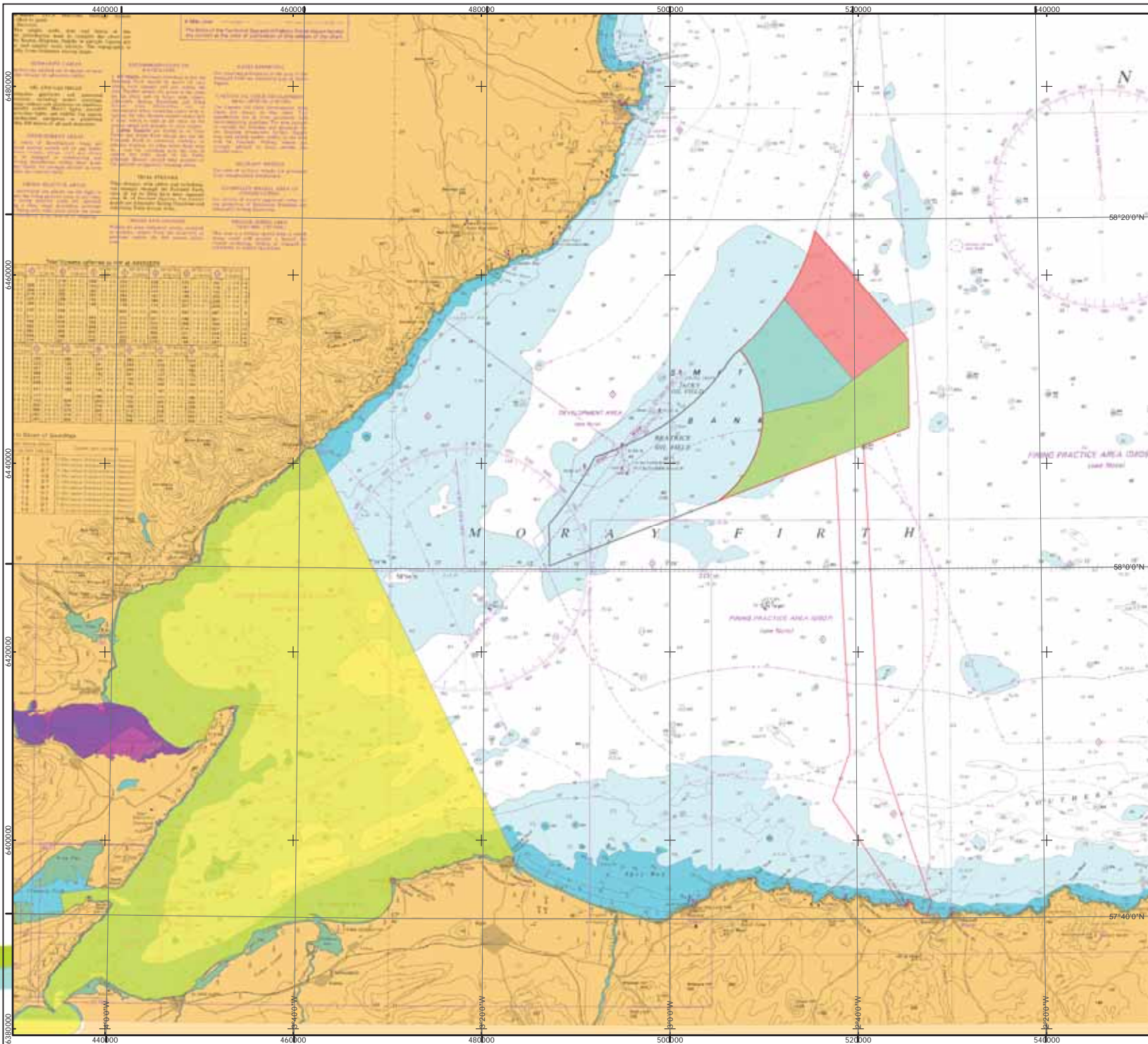
Produced: PH  
 Reviewed: PM  
 Approved: SP

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0142-NPW-MAP-002

**Figure 4.3-2 Grey Seal At-Sea Usage**

Moray Offshore Renewables Ltd





**Moray Offshore Renewables Ltd**

- KEY**
- Modified Offshore Transmission Infrastructure
  - MacColl Wind Farm
  - Stevenson Wind Farm
  - Telford Wind Farm
  - Western Development Area
- Special Area of Conservation (SAC)**
- Dornoch Firth and Morrich More
  - Moray Firth

Horizontal Scale: 1:400,000 A3 Chart

0 9,600 19,200 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LG  
 Reviewed: CR  
 Approved: SP

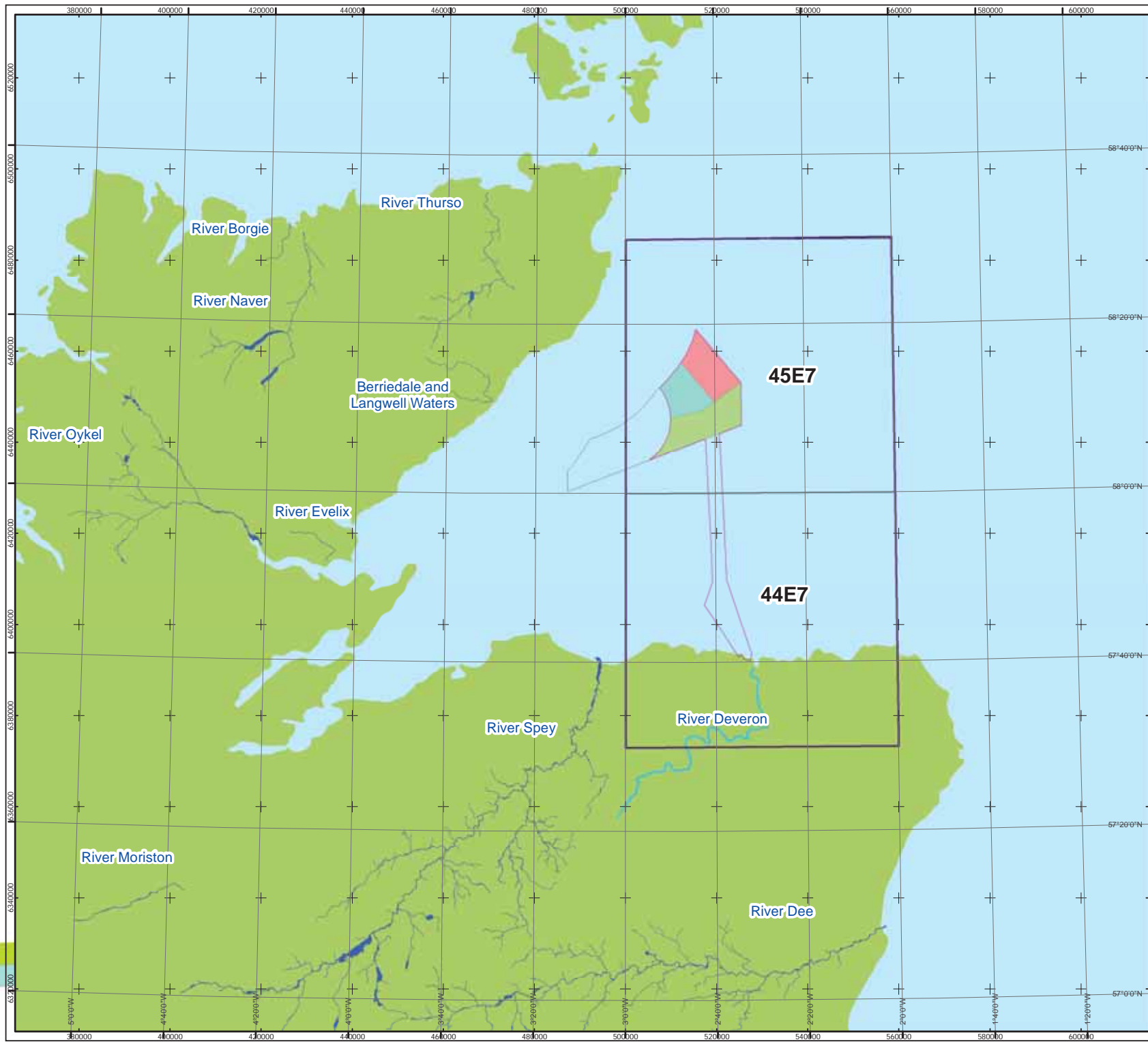
Date: 18/06/2014 Revision: B

REF: 8460001-PSO0142-NPW-MAP-003

**Figure 4.3-3 Designated Sites (SACs)**

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### Moray Offshore Renewables Ltd

#### KEY

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- River Deveron
- SAC Rivers
- Study Area

Horizontal Scale: 1:800,000 A3 Chart  
0 19,000 38,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

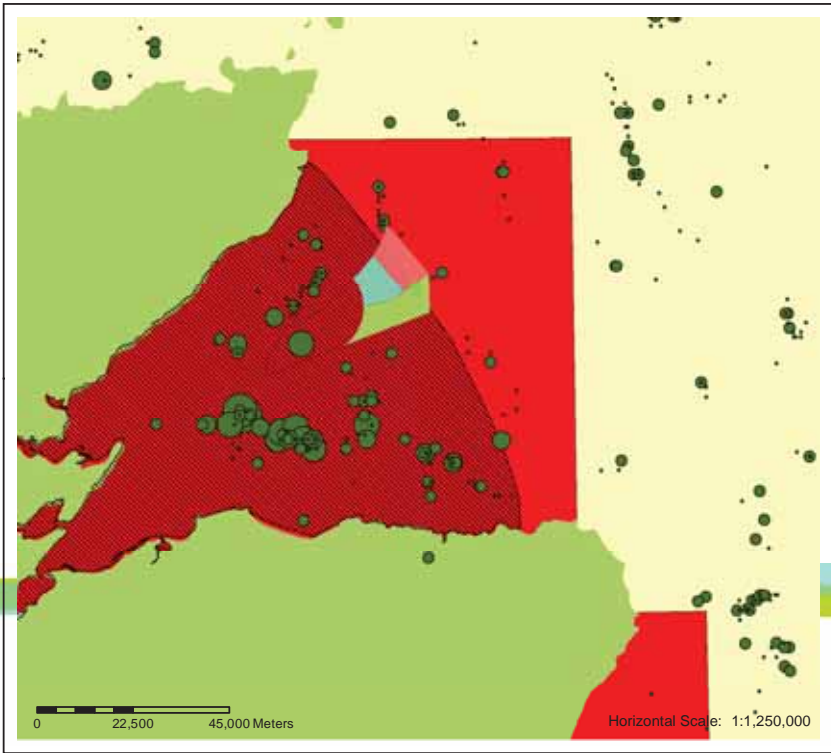
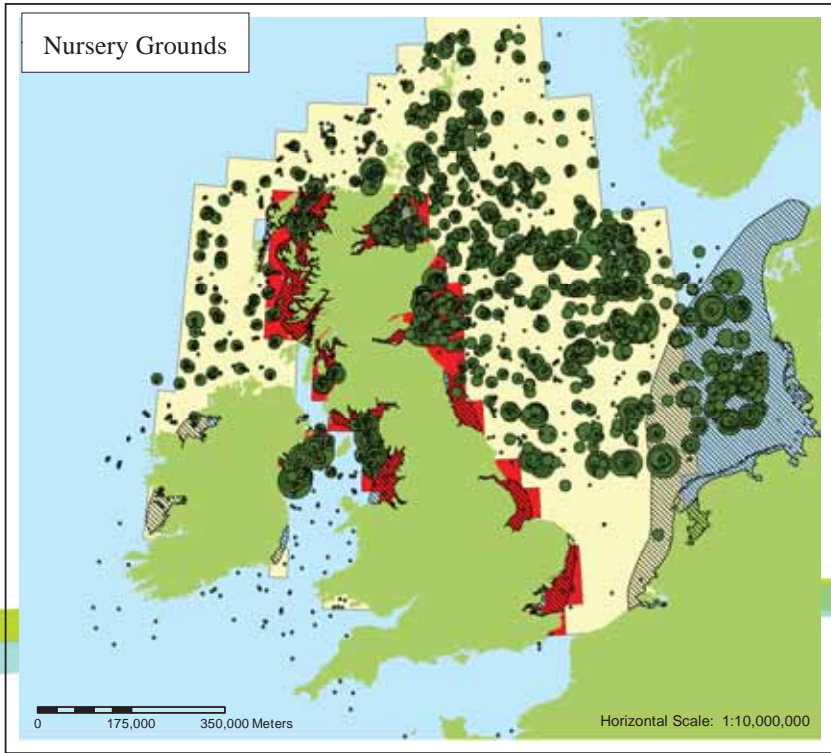
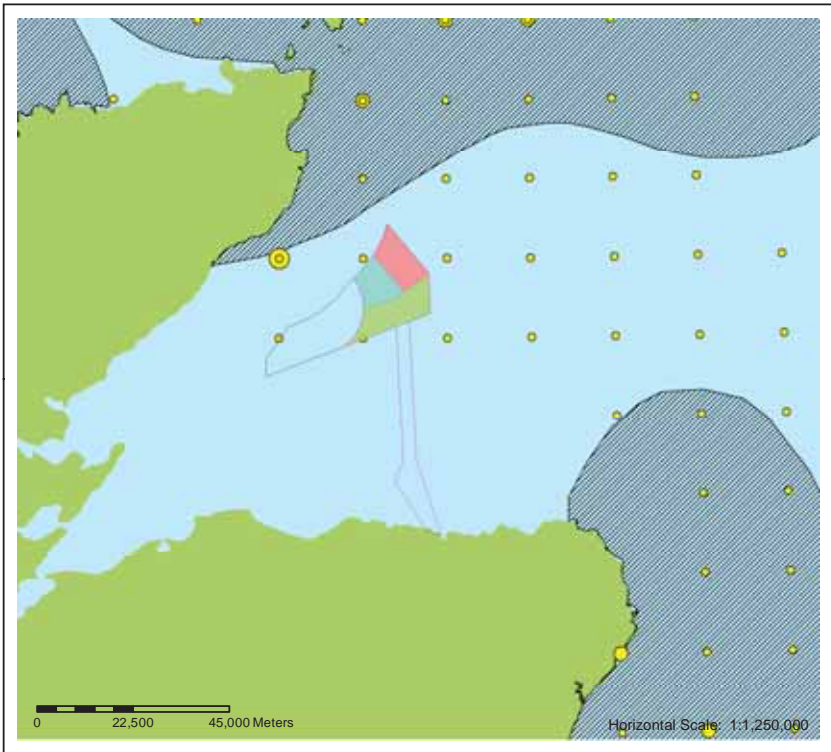
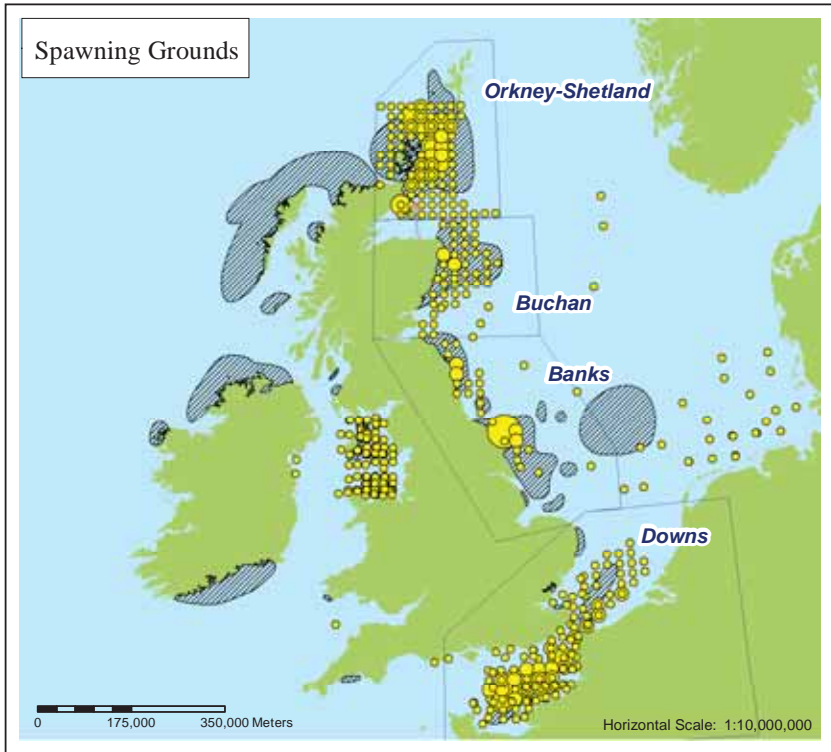
Produced: PJM  
Reviewed: ES  
Approved: PM

Date: 18/06/2014 Revision: B  
REF: 8460001-PSO0162-BMM-MAP-063

Figure 4.2 - 1  
Study Area

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified Offshore Transmission Infrastructure
  - MacColl
  - Stevenson
  - Telford
  - Western Development Area
- Herring Spawning Grounds**
- (Coull et al., 1998)
- Herring larvae**
- > 0 - 254
  - 255 - 1,140
  - 1,141 - 3,458
  - 3,459 - 8,351
  - 8,352 - 26,913
- Ellis et al., 2010 Nursery Grounds**
- High intensity
  - Low Intensity
- Herring Nursery Grounds**
- (Coull et al., 1998)
- Maximum Juvenile Catch Rate**
- >0 - 17,916
  - 17,917 - 66,105
  - 66,106 - 176,310
  - 176,311 - 418,093
  - 418,094 - 986,520
- A3 Chart

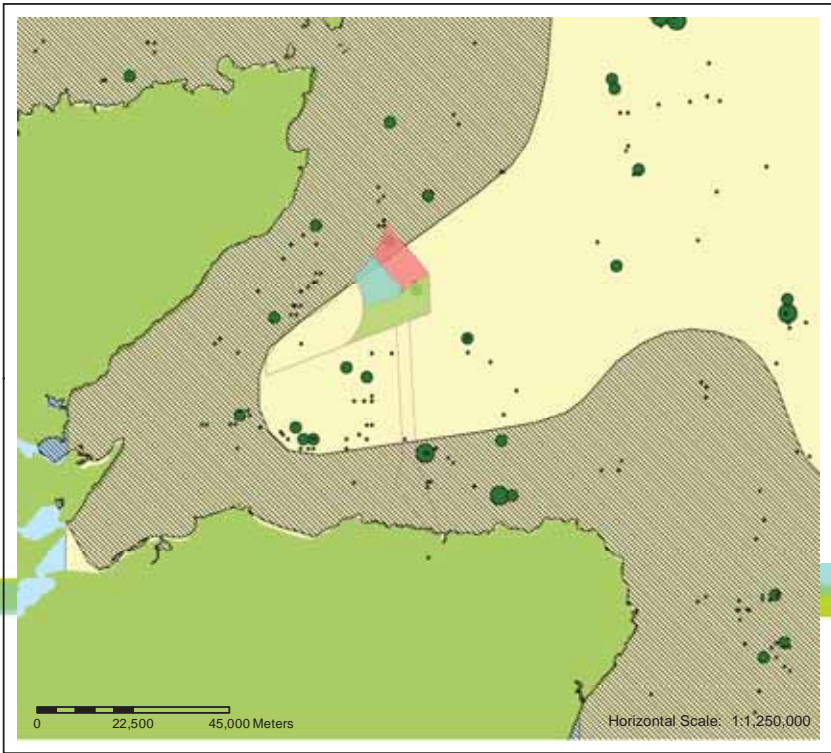
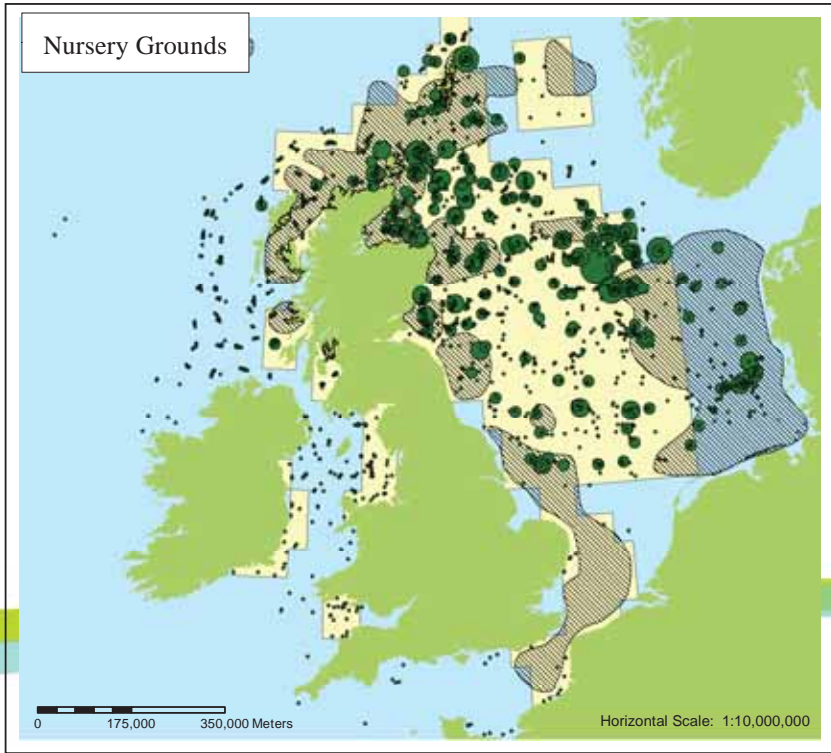
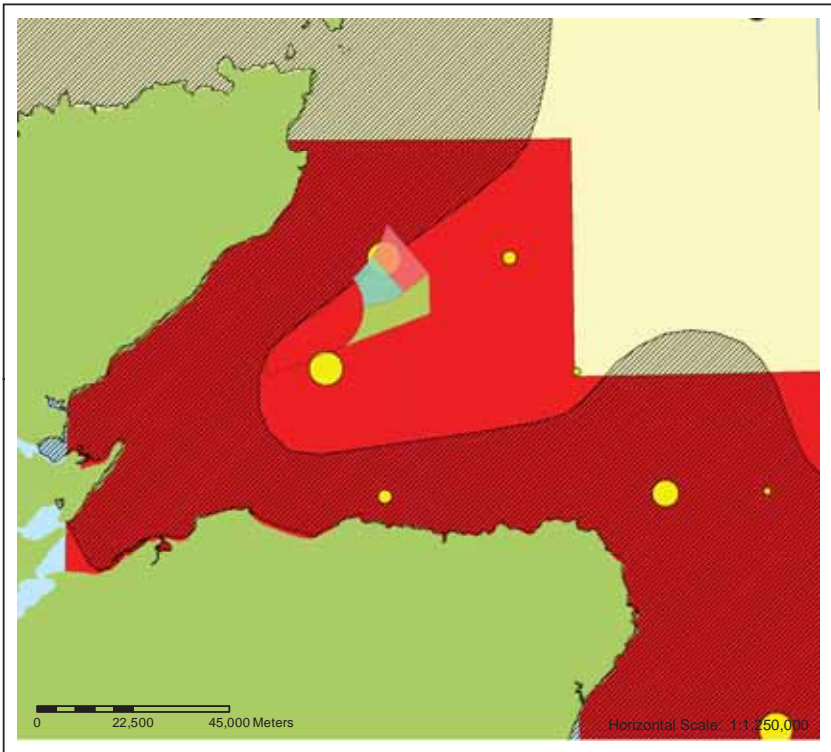
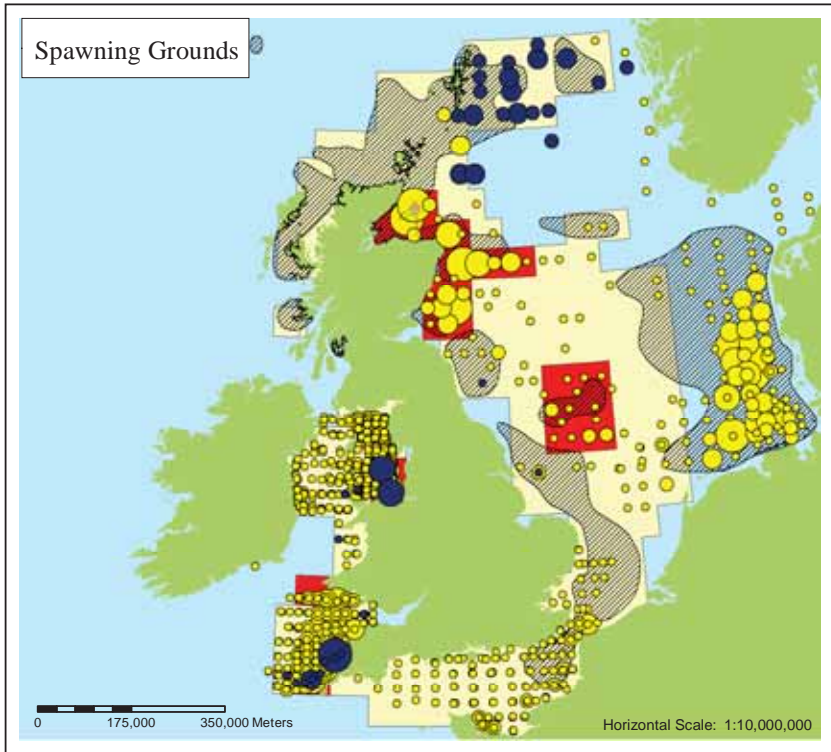
Geodetic Parameters: WGS84 UTM Zone 30N



Produced: PJM  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014      Revision: B  
 REF: 8460001-PSO0162-BMM-MAP-064

**Figure 4.2 - 2**  
**Spawning and Nursery**  
**Grounds of Herring**






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**Moray Offshore Renewables Ltd**

**KEY**



-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area

<b>Sandeel Eggs</b>	<b>Sandeel Larvae</b>
 >0 - 1	 0 - 21
 2	 22 - 70
 3 - 7	 71 - 167
 8 - 15	 168 - 418
 16 - 60	 419 - 1,912






**Spawning Grounds (Coull et al, 1998)**

-  Sandeel Spawning Grounds


**Spawning grounds (Ellis et al., 2010)**

-  Sandeel High intensity
-  Sandeel Low intensity


**Maximum juvenile catch rate**

-  >0 - 230
-  231 - 937
-  938 - 3,160
-  3,161 - 10,621
-  10,622 - 20,224

**Nursery Grounds (Coull et al 1998)**

-  Sandeel Nursery Grounds

**Nursery grounds (Ellis et al., 2010)**

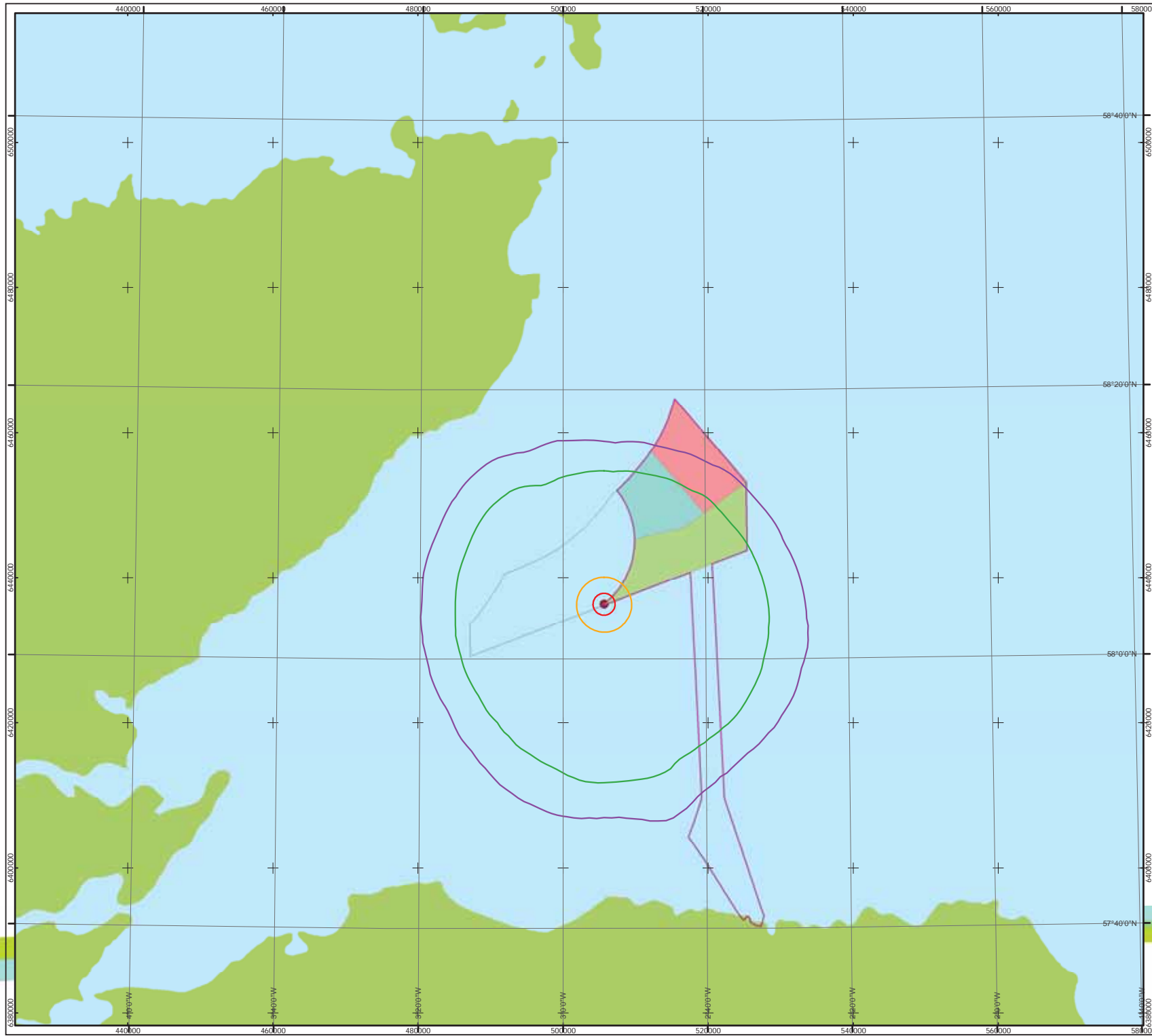
-  Sandeel Low Intensity A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: PJM	Reviewed: ES	Approved: PM
Date: 18/06/2014	Revision: B	
REF: 8460001-PSO0162-BMM-MAP-065		











**Figure 4.2 - 3  
Spawning and Nursery  
Grounds of Sandeel**

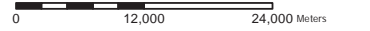
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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area
-  Modelled 2.5m pile (location 1)
-  90 dBht (dab) contour
-  90 dBht (cod) contour
-  90 dBht (herring) contour
-  90 dBht (salmon) contour

Horizontal Scale: 1:500,000 A3 Chart  


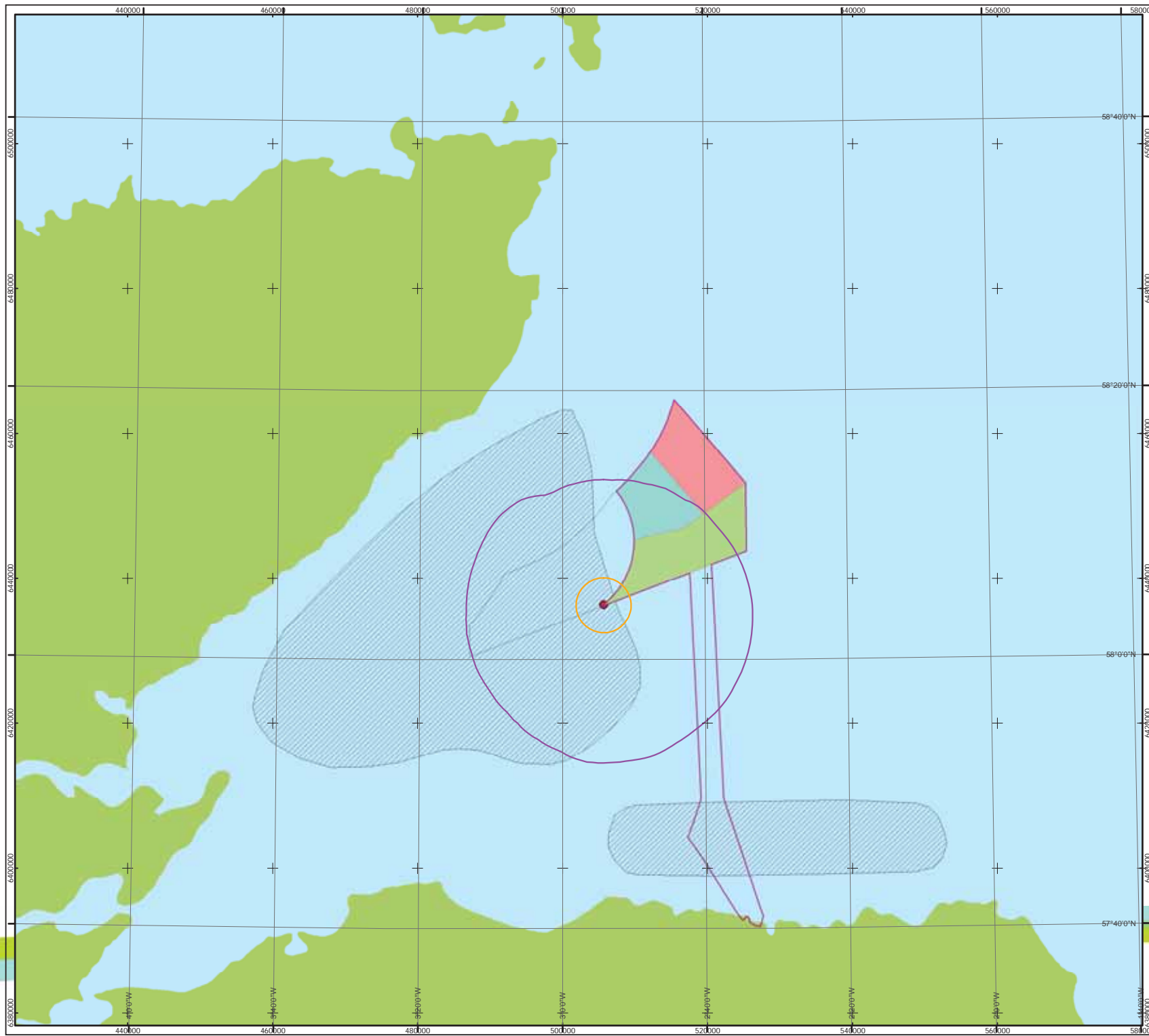
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: CF  
Reviewed: ES  
Approved: PM

Date: 18/06/2014      Revision: B  
REF: 8460001-PSO0162-BMM-MAP-066











**Figure 4.2 - 4**  
90 dBht (Species) impact ranges for cod, dab, herring and salmon

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### Moray Offshore Renewables Ltd

#### KEY

-  Modified Offshore Transmission Infrastructure
-  MacColl
-  Stevenson
-  Telford
-  Western Development Area
-  75 dBht (dab) contour
-  90 dBht (dab) contour
-  Modelled 2.5m pile (location 1)
-  Spawning Grounds (Coull et al., 1998)
-  Plaice Spawning Grounds

Horizontal Scale: 1:500,000 A3 Chart  
0 12,500 25,000 Meters

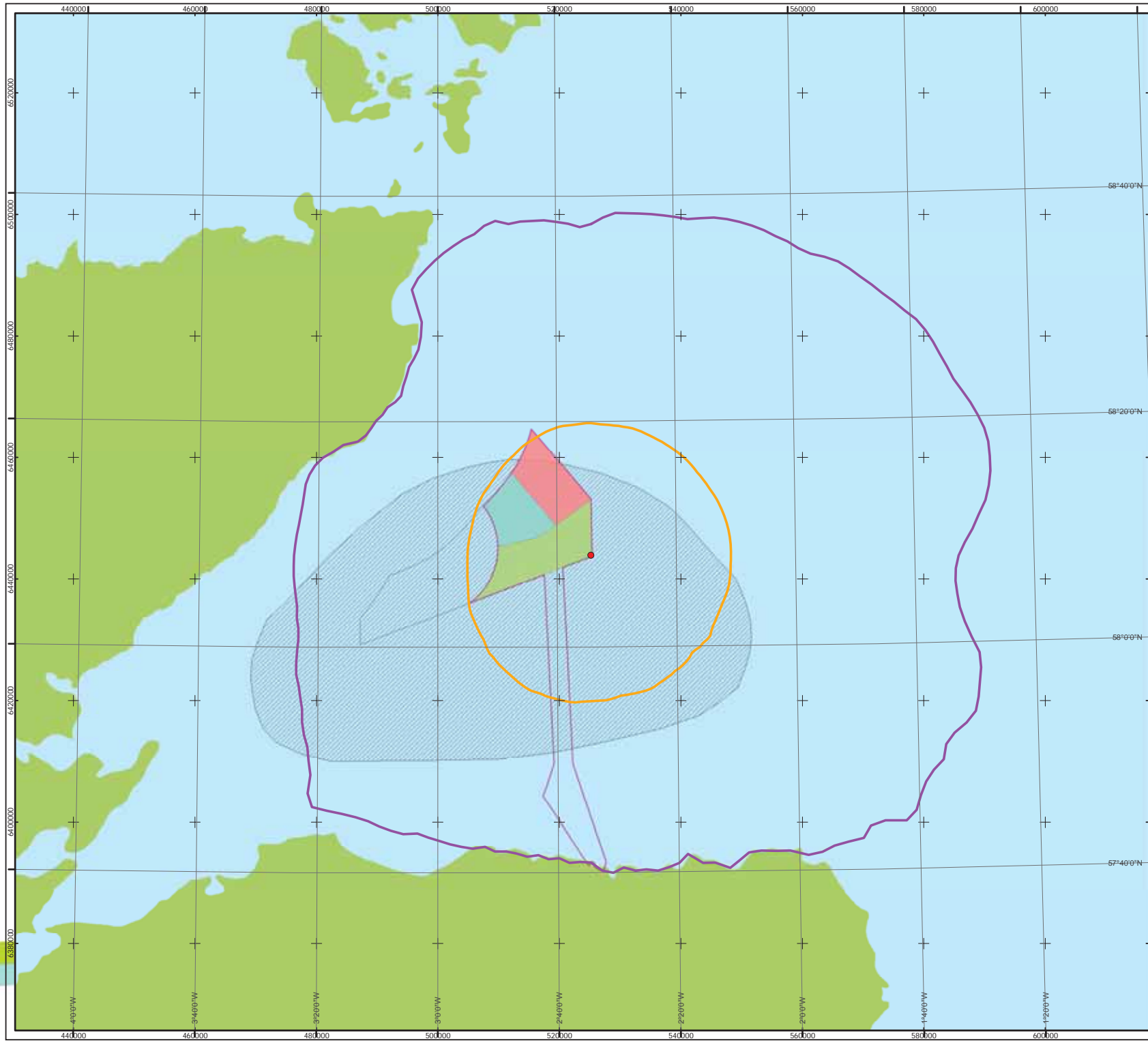
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: CF  
Reviewed: ES  
Approved: PM

Date: 22/05/2014 Revision: A  
REF: 8460001-PSO0162-BMM-MAP-067

Figure 4.2 - 5  
75 & 90 dBht impact ranges for dab with  
plaice spawning grounds (Coull et al., 1998)

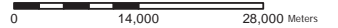
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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Spawning Grounds (Coull et al., 1998)
- Cod Spawning Grounds
- Modelled 2.5m pile (location 2)
- 75 dBht (cod) contour
- 90 dBht (cod) contour

Horizontal Scale: 1:600,000      A3 Chart  


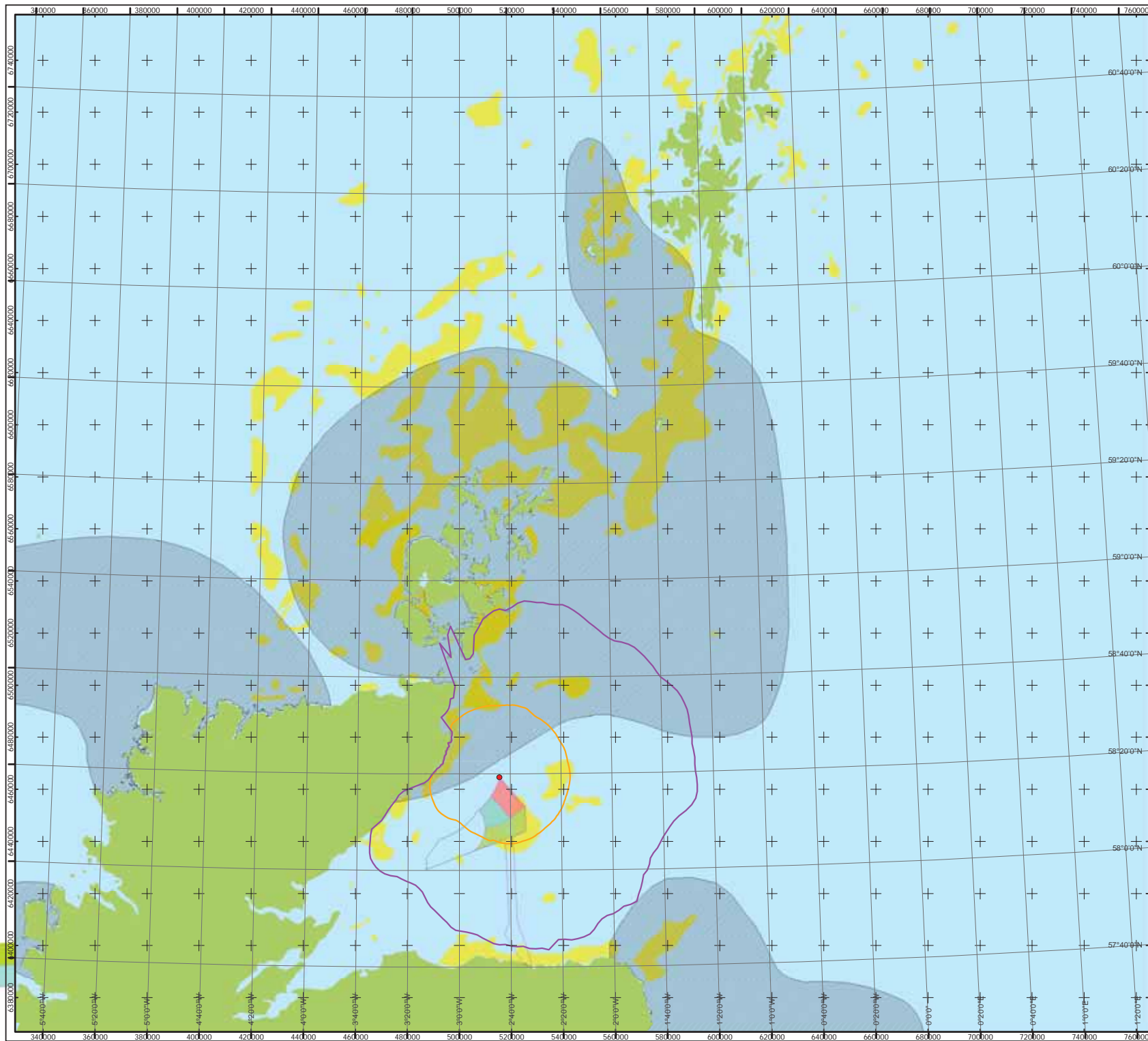
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: CF  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014      Revision: B  
 REF: 8460001-PSO0162-BMM-MAP-068

**Figure 4.2 - 6**  
 75 & 90 dBht impact ranges for cod with cod spawning grounds (Coull et al., 1998)

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Spawning Grounds (Coull et al., 1998)
- Herring Spawning grounds
- Modelled 2.5m pile (location 5)
- 75 dbh (Herring) contour
- 90 dbh (Herring) contour
- Gravel & Sandy Gravel (BGS Data)

Horizontal Scale: 1:1,400,000      A3 Chart  
 0      35,000      70,000 Meters

Geodetic Parameters:      WGS84 UTM Zone 30N

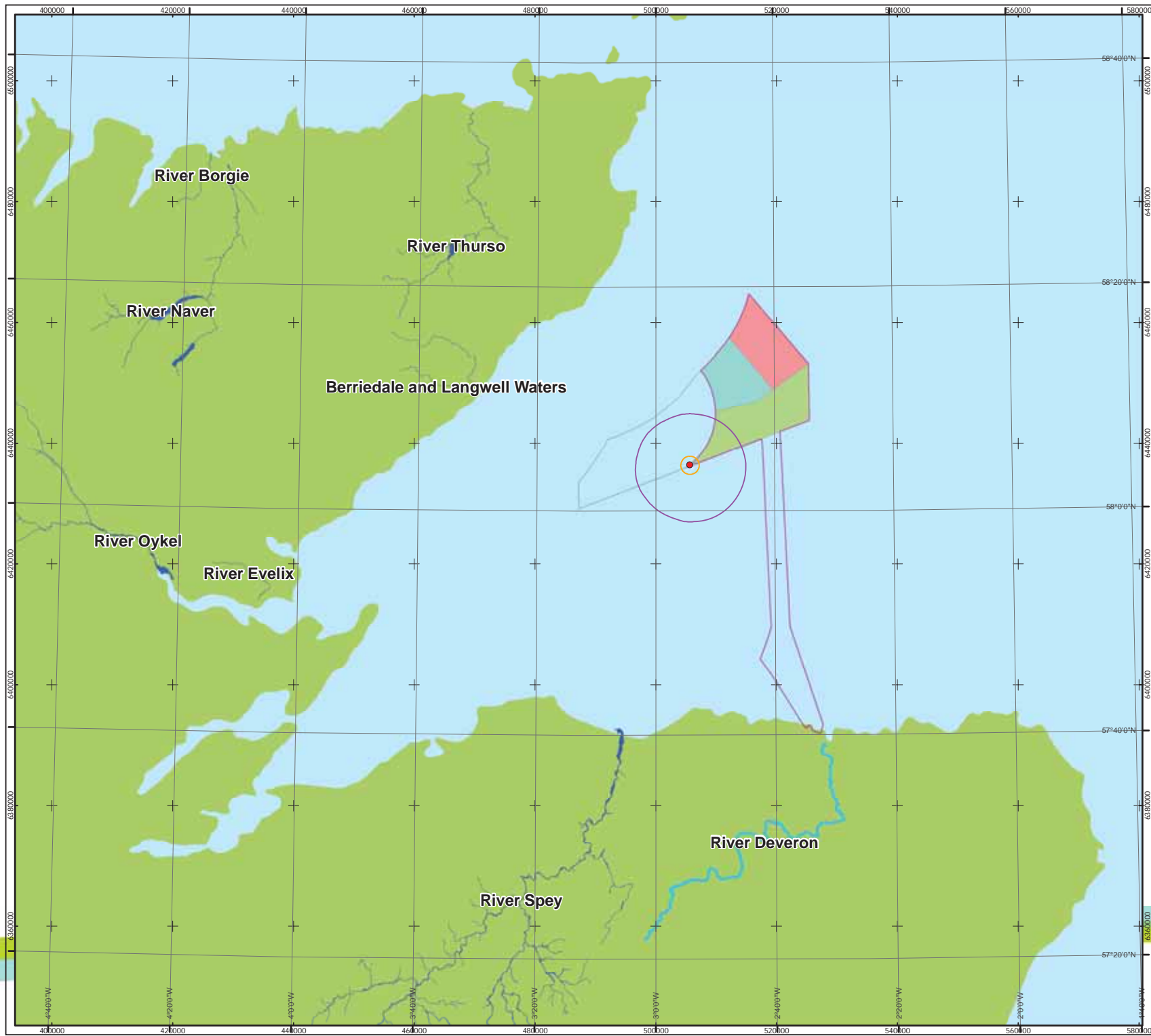
Produced: CF  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014      Revision: A  
 REF: 8460001-PSO0162-BMM-MAP-069

**Figure 4.2 - 7**  
 75 & 90 dbHt (Species) impact ranges  
 for herring with gravel and sandy-gravel and  
 herring spawning grounds (Coull et al., 1998)



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**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl
- Stevenson
- Telford
- Western Development Area
- Modelled 2.5m pile (location 1)
- 75 dBht (salmon) contour
- 90 dBht (salmon) contour
- SAC Rivers
- River Deveron

Horizontal Scale: 1:600,000 A3 Chart

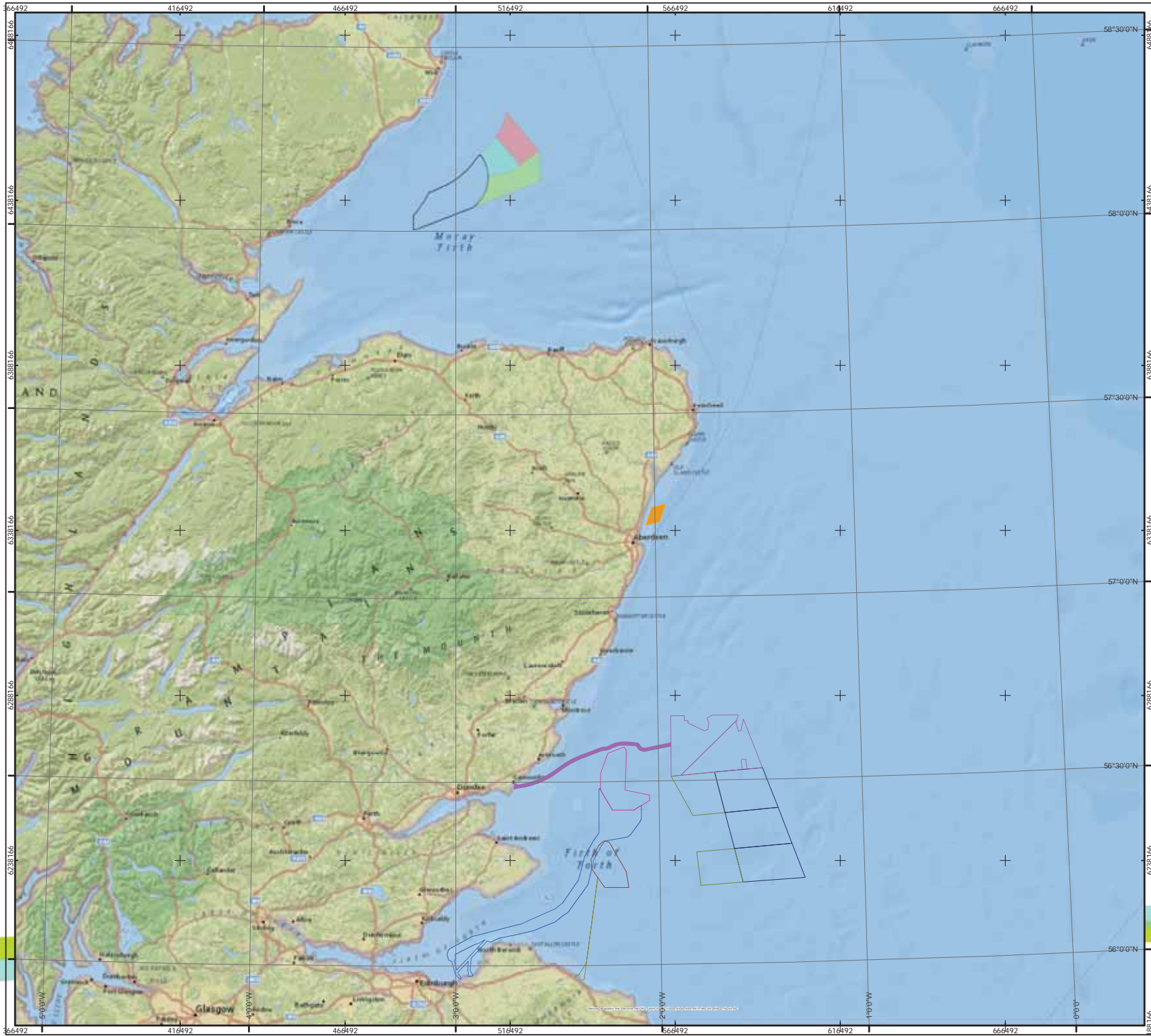
Geodetic Parameters: WGS84 UTM Zone 30N

Produced: CF  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014	Revision: B
REF: 8460001-PSO0162-BMM-MAP-070	

**Figure 4.2 - 8**  
 75 & 90 dBht impact ranges for salmon with Scottish salmon SACs

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**Moray Offshore Renewables Ltd**

**KEY**

- MacColl
  - Stevenson
  - Telford
  - Western Development Area
- Firth of Forth**
- Phase 1
  - Phase 2
  - Phase 3
  - Firth of Forth Phase 1 ECR
  - European Offshore Wind Development Centre
  - Inch Cape
  - Neart na Gaoithe
  - Inch Cape ECR
  - Neart na Gaoithe ECR

Horizontal Scale: 1:1,100,000 A3 Chart  
 0 27,500 55,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

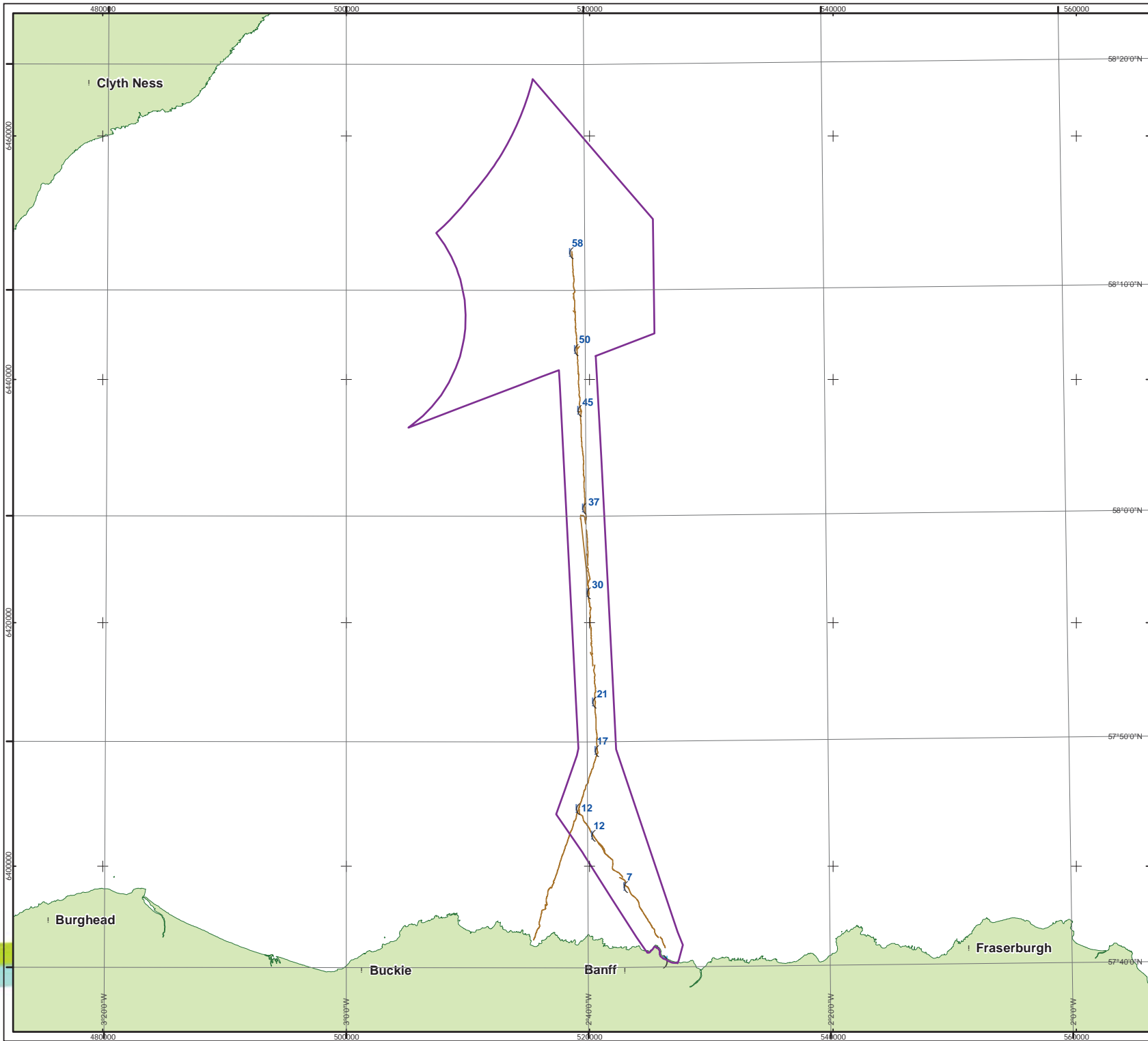
Produced: CF  
 Reviewed: ES  
 Approved: PM

Date: 18/06/2014 Revision: B  
 REF: 8460001-PSO0162-BMM-MAP-072

**Figure 4.2 - 10**  
**Developments Considered for**  
**Cumulative Impact Assessment**





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### Moray Offshore Renewables Ltd

#### KEY

-  Modified OFTI
-  Cable Route Landing Site
- Benthic Sampling Array**
-  Grab Site
-  Video Transect

Horizontal Scale: 1:300,000 A3 Chart  


Geodetic Parameters: WGS84 UTM Zone 30N

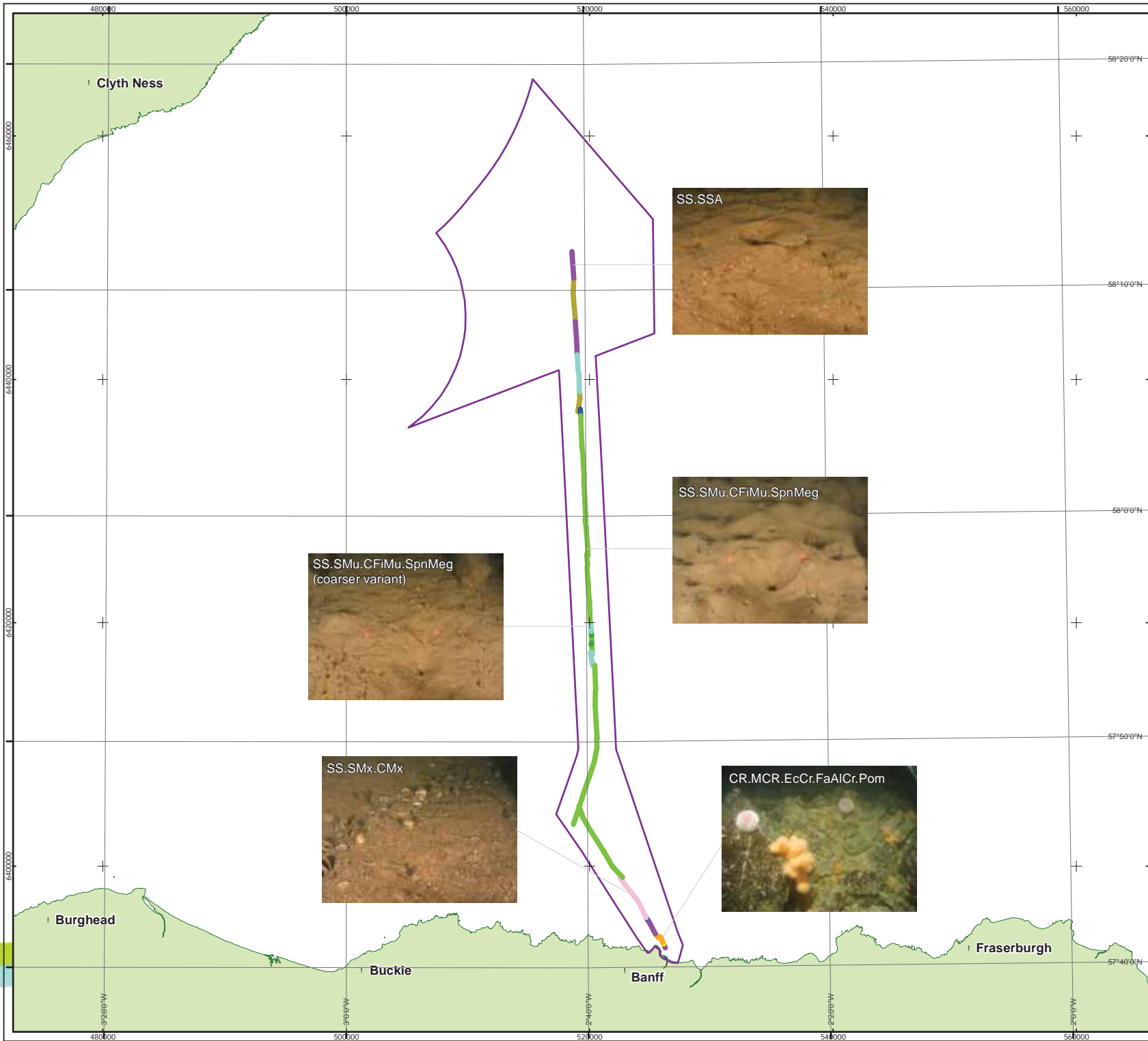
Produced: IMR  
Reviewed: ES  
Approved: CR

Date: 13/06/2014 Revision: A  
REF: 8460001-PSO0131-EMU-MAP-008

Figure 4.1-1  
Benthic Sampling Array

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified OfTI
- Cable Route Landing Site

**Biotopes**

- CR.MCR.EcCr.FaAlCr.Pom
- CR.MCR.EcCr.FaAlCr.Pom (sheltered shore variant)
- SS.SMu.CFiMu.SpnMeg
- SS.SMu.CFiMu.SpnMeg (coarser variant)
- SS.SMu.CFiMu.SpnMeg with SS.SMx.CMx
- SS.SMx.CMx
- SS.SMx.CMx (with SSA)
- SS.SSA
- SS.SSA with areas of SS.SMx.CMx

Horizontal Scale: 1:300,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

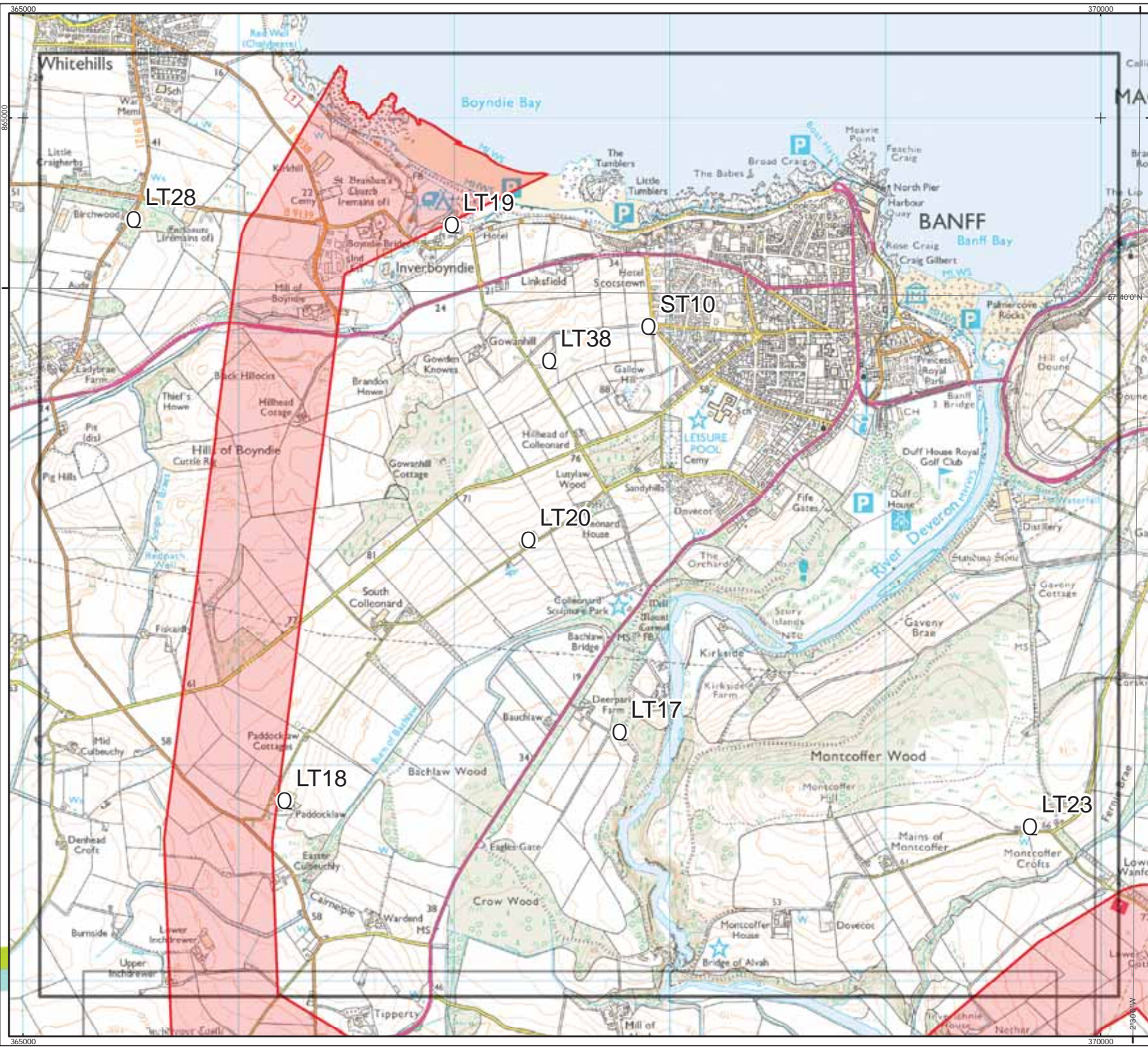
Produced: IMR  
 Reviewed: ES  
 Approved: CR

Date: 13/06/2014 Revision: A  
 REF: 8460001-PSO0131-EMU-MAP-009

**Figure 4.1-2  
 Biotopes**

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**Moray Offshore Renewables Ltd**

**KEY**

- Onshore noise monitoring location
- ▭ Modified Onshore Transmission Area
- ▭ Modified Onshore Export Cable Route Corridor
- ▭ Substation Area



Horizontal Scale: 1:17,000 A3 Chart  
 0 440 880 Meters

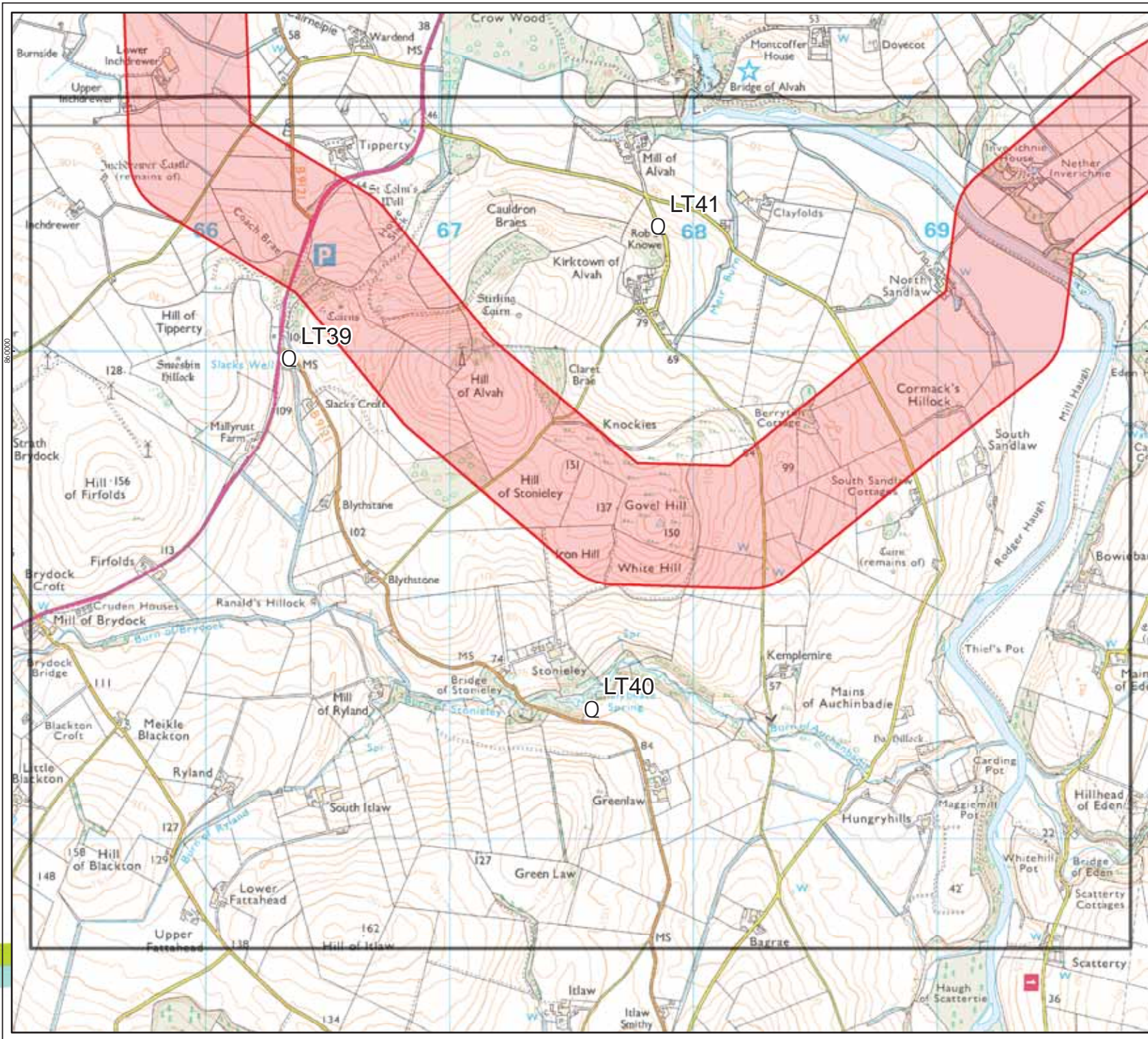
Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-001

**Figure 3.3-1 Onshore Noise Monitoring Locations Section A**

Moray Offshore Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore noise monitoring location
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:15,000 A3 Chart  
 0 380 760 Meters

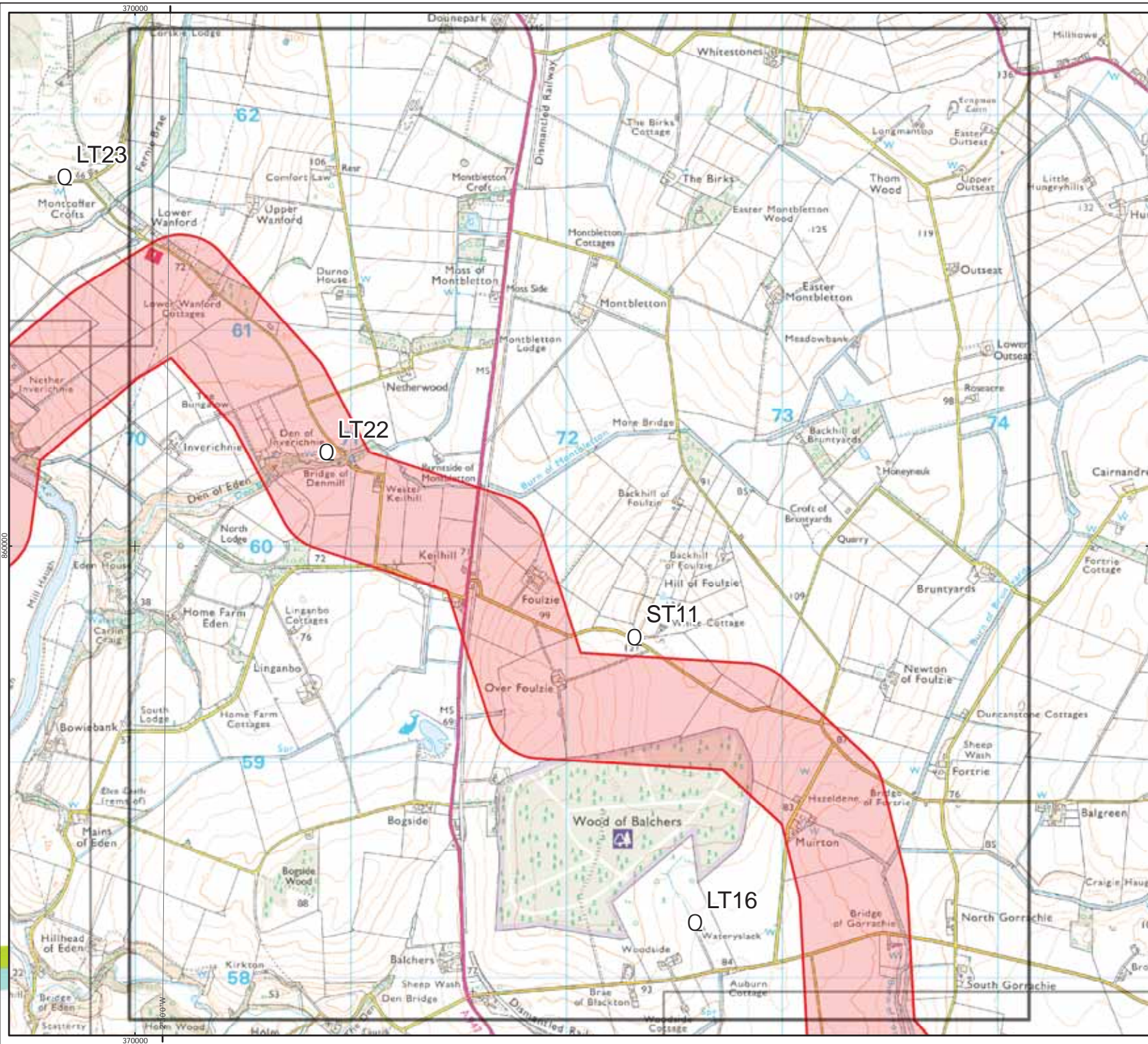
Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-001

**Figure 3.3-1 Onshore Noise Monitoring Locations Section B**

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**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore noise monitoring location
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area

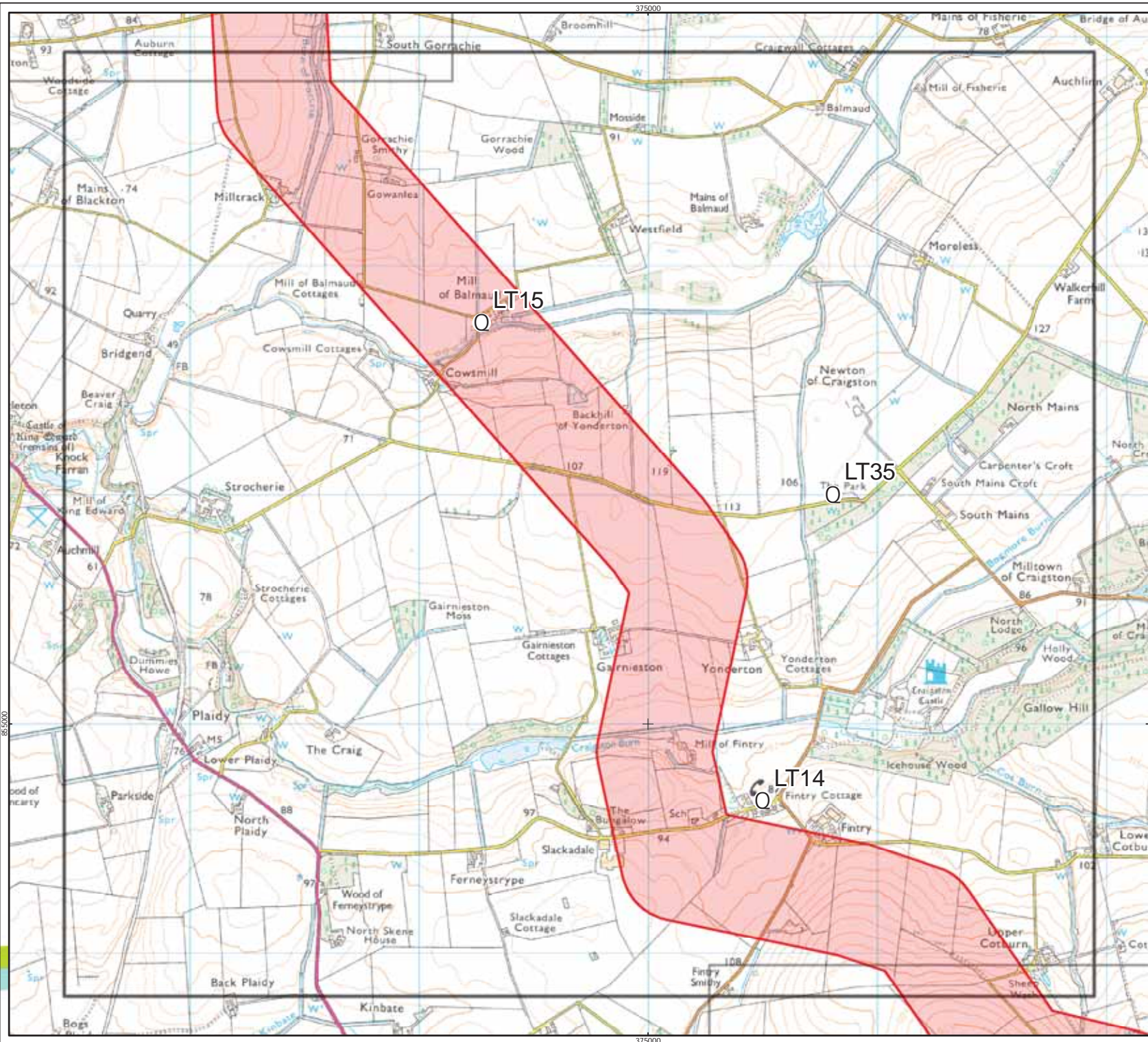


Horizontal Scale: 1:17,000 A3 Chart  
 0 440 880 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 26/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-001	

**Figure 3.3-1 Onshore Noise Monitoring Locations Section C**

Moray Offshore Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

- Onshore noise monitoring location
- ▭ Modified Onshore Transmission Area
- ▭ Modified Onshore Export Cable Route Corridor
- ▭ Substation Area



Horizontal Scale: 1:16,000 A3 Chart  
 0 410 820 Meters

Geodetic Parameters: British National Grid

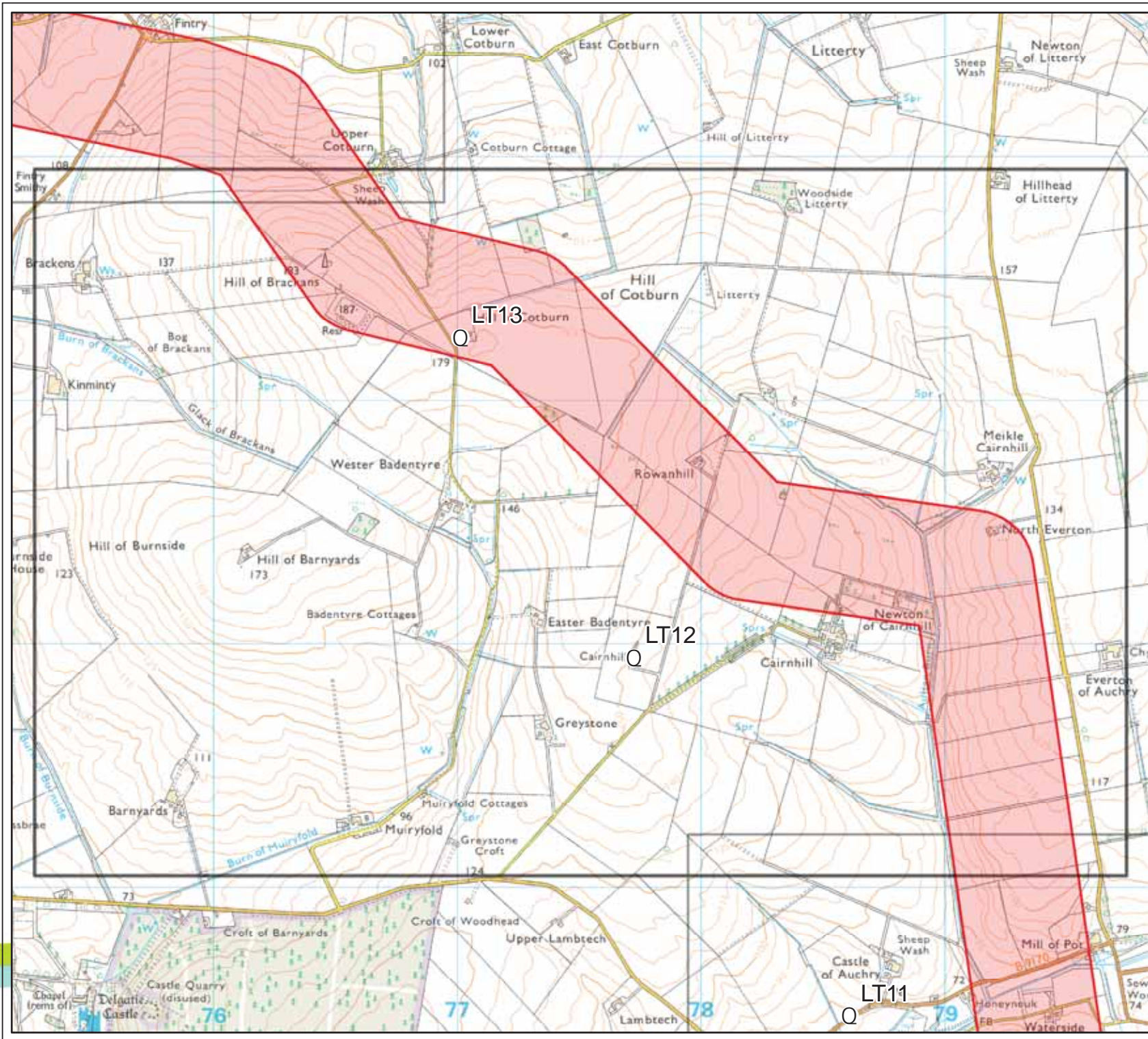
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-001

**Figure 3.3-1 Onshore Noise Monitoring Locations Section D**

Moray Offshore Renewables Ltd





**Moray Offshore Renewables Ltd**

**KEY**

- Onshore noise monitoring location
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



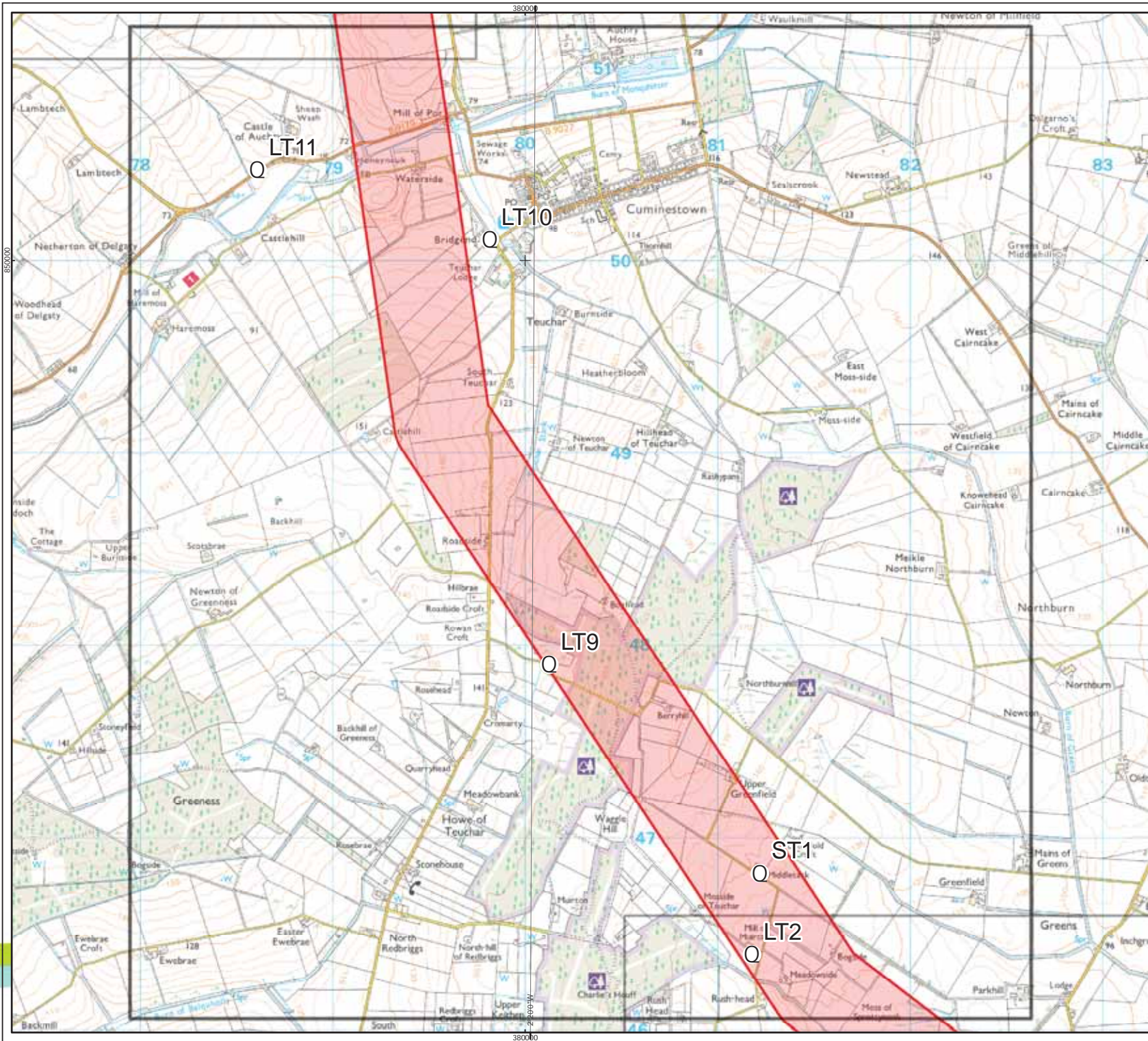
Horizontal Scale: 1:15,000 A3 Chart  
 0 380 760 Meters

Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-001

**Figure 3.3-1 Onshore Noise Monitoring Locations Section E**



**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore noise monitoring location
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



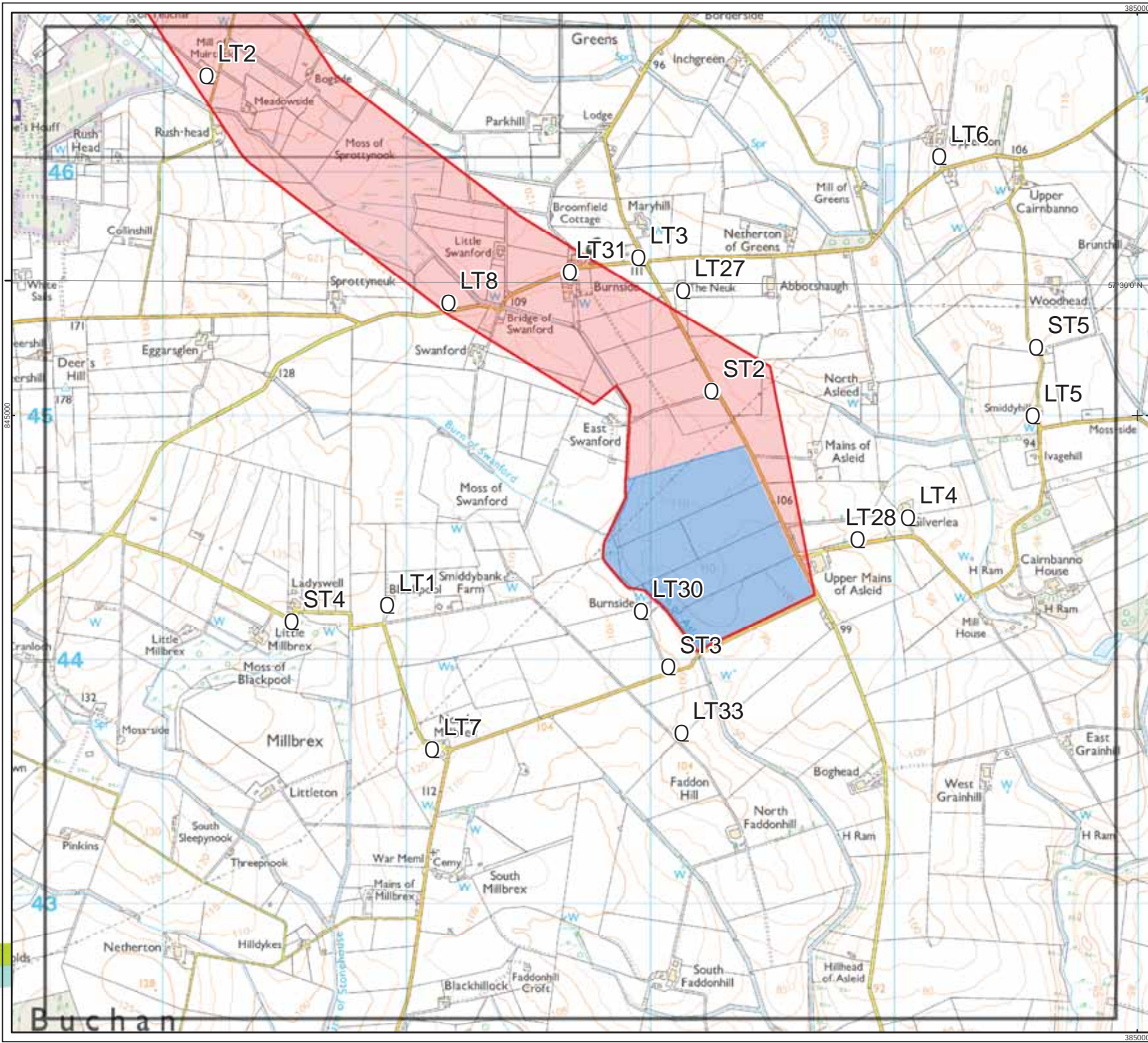
Horizontal Scale: 1:19,000 A3 Chart  
 0 490 980 Meters

Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-001

**Figure 3.3-1 Onshore Noise Monitoring Locations Section F**



**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore noise monitoring location
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



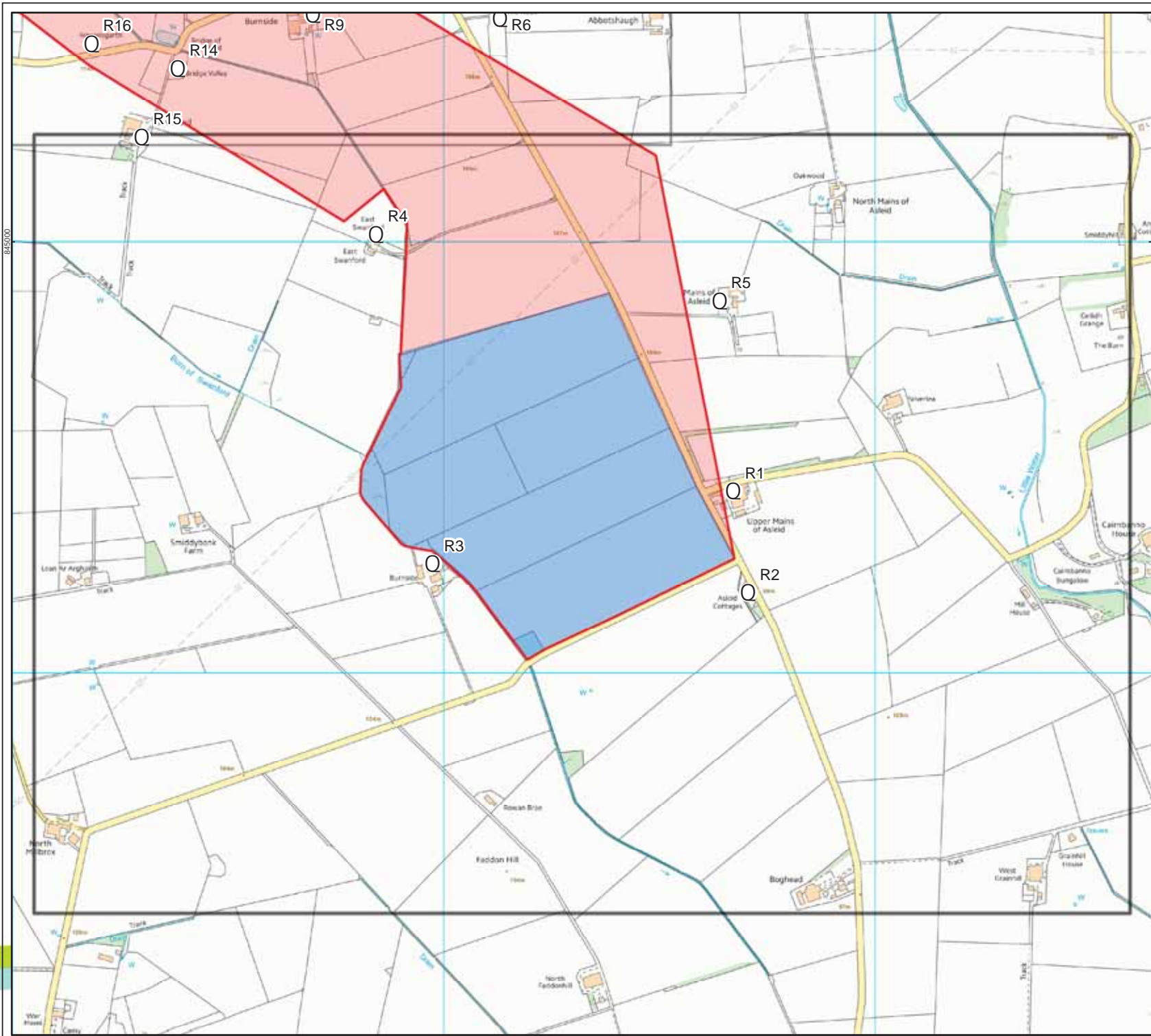
Horizontal Scale: 1:15,000 A3 Chart  
 0 380 760 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 26/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-001	

**Figure 3.3-1 Onshore Noise Monitoring Locations Section G**

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**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:8,500 A3 Chart  
 0 220 440 Meters

Geodetic Parameters: British National Grid

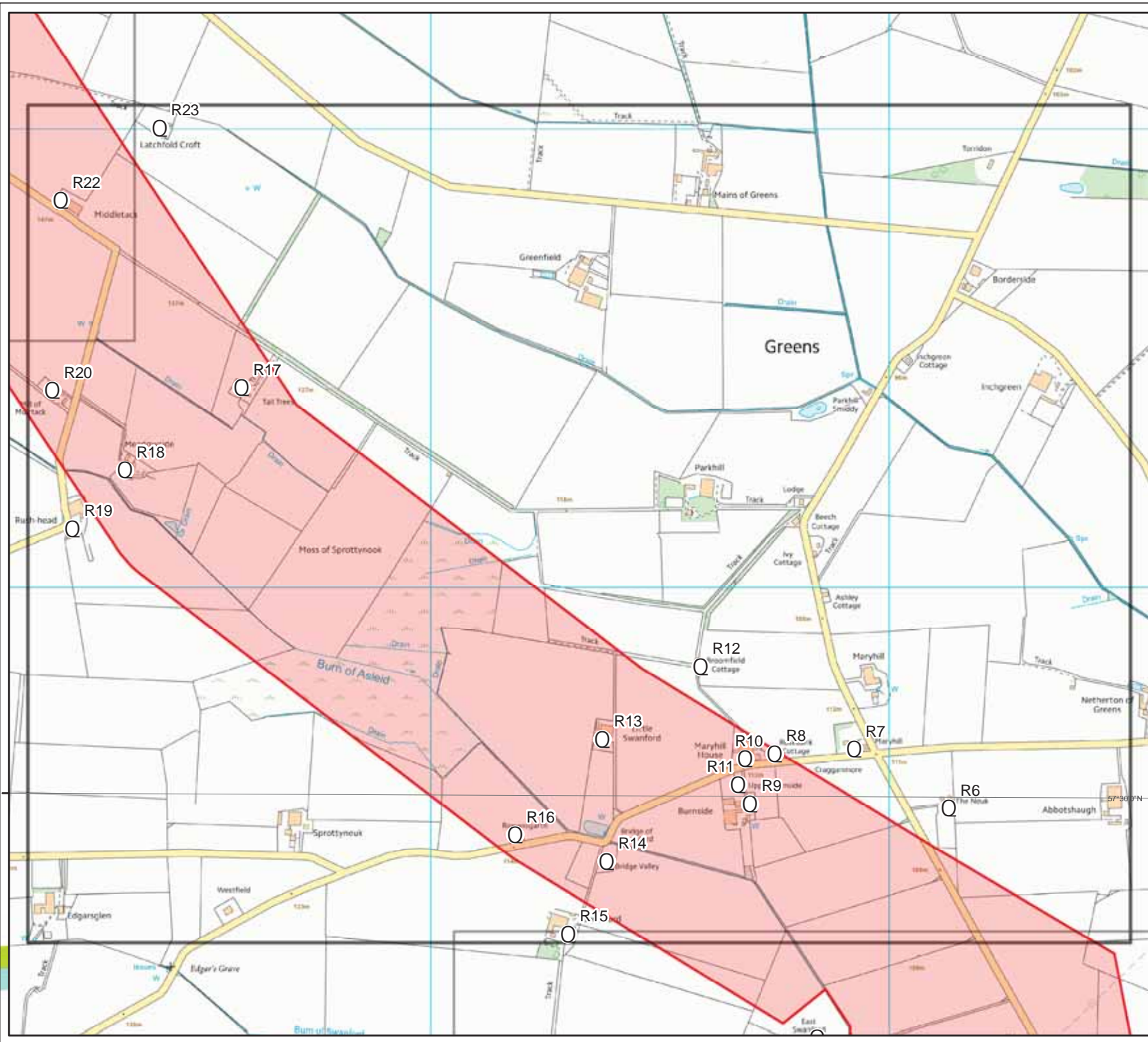
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section A**





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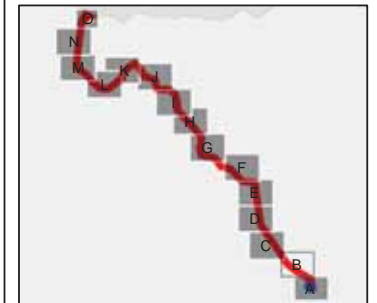
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**Moray Offshore Renewables Ltd**

**KEY**

-  Onshore Noise Construction Phase Receptor
-  Modified Onshore Transmission Area
-  Modified Onshore Export Cable Route Corridor
-  Substation Area



Horizontal Scale: 1:8,000 A3 Chart  
 0 200 400 Meters

Geodetic Parameters: British National Grid

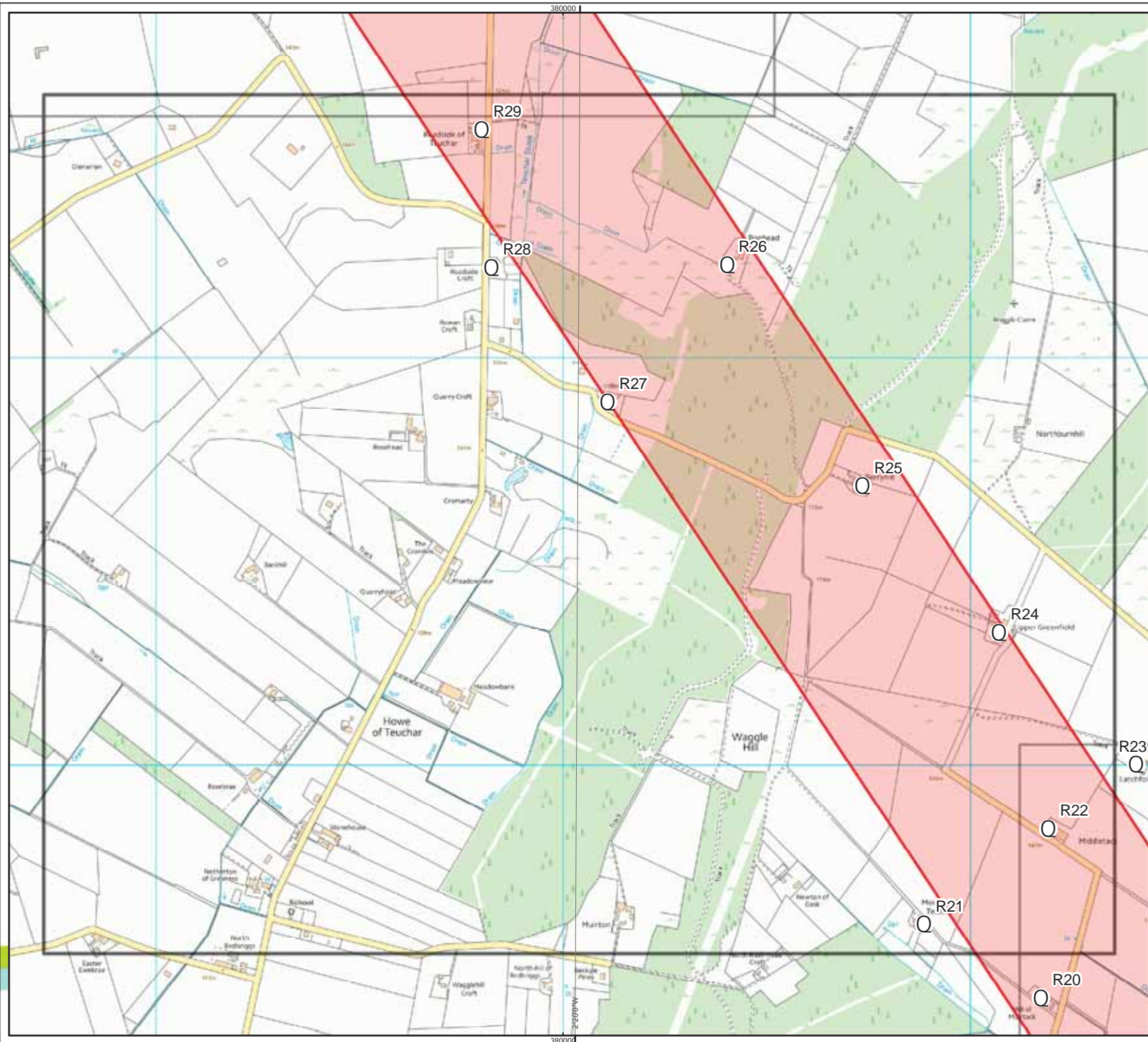
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section B**

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**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid

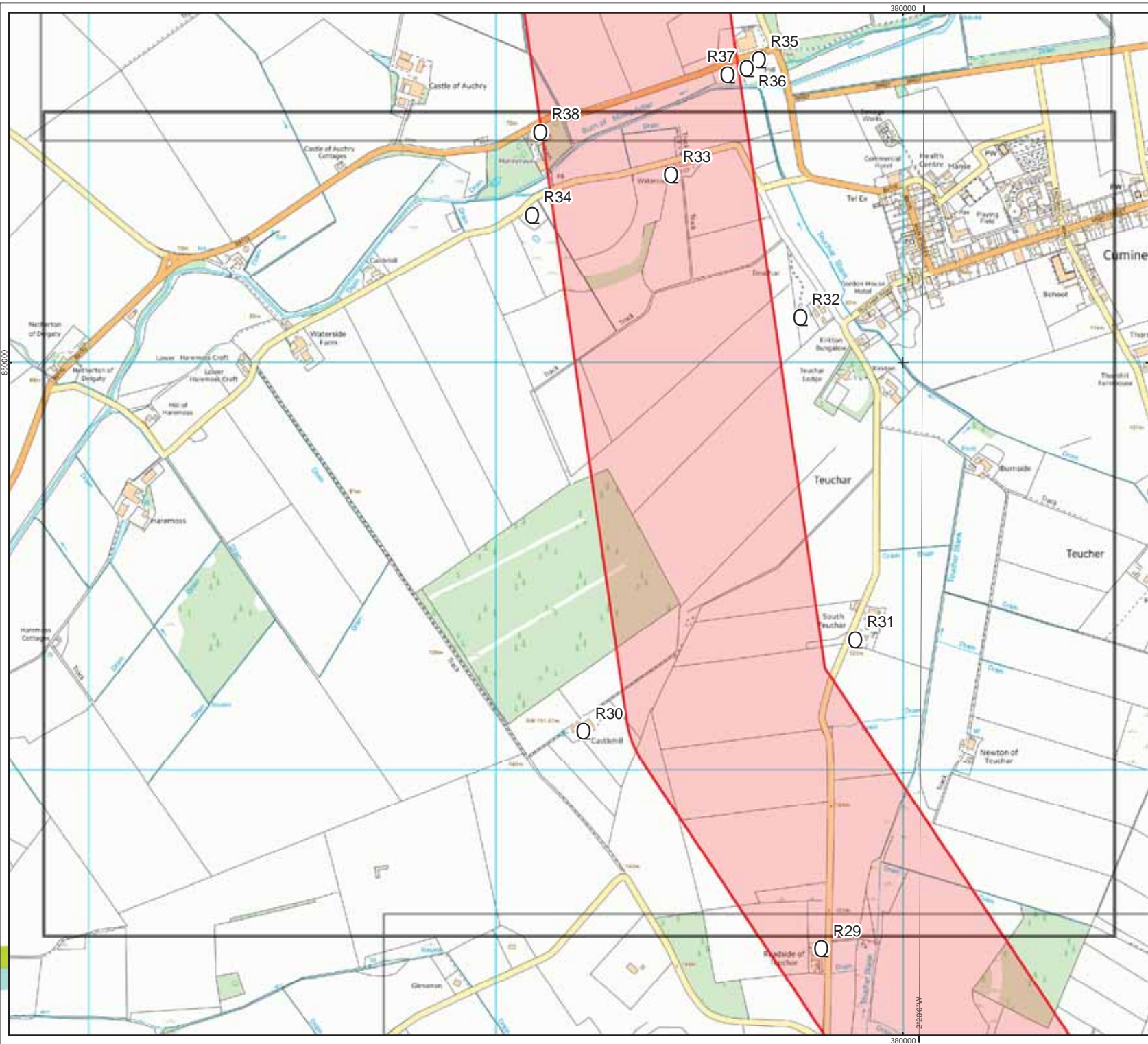
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section C**

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**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid

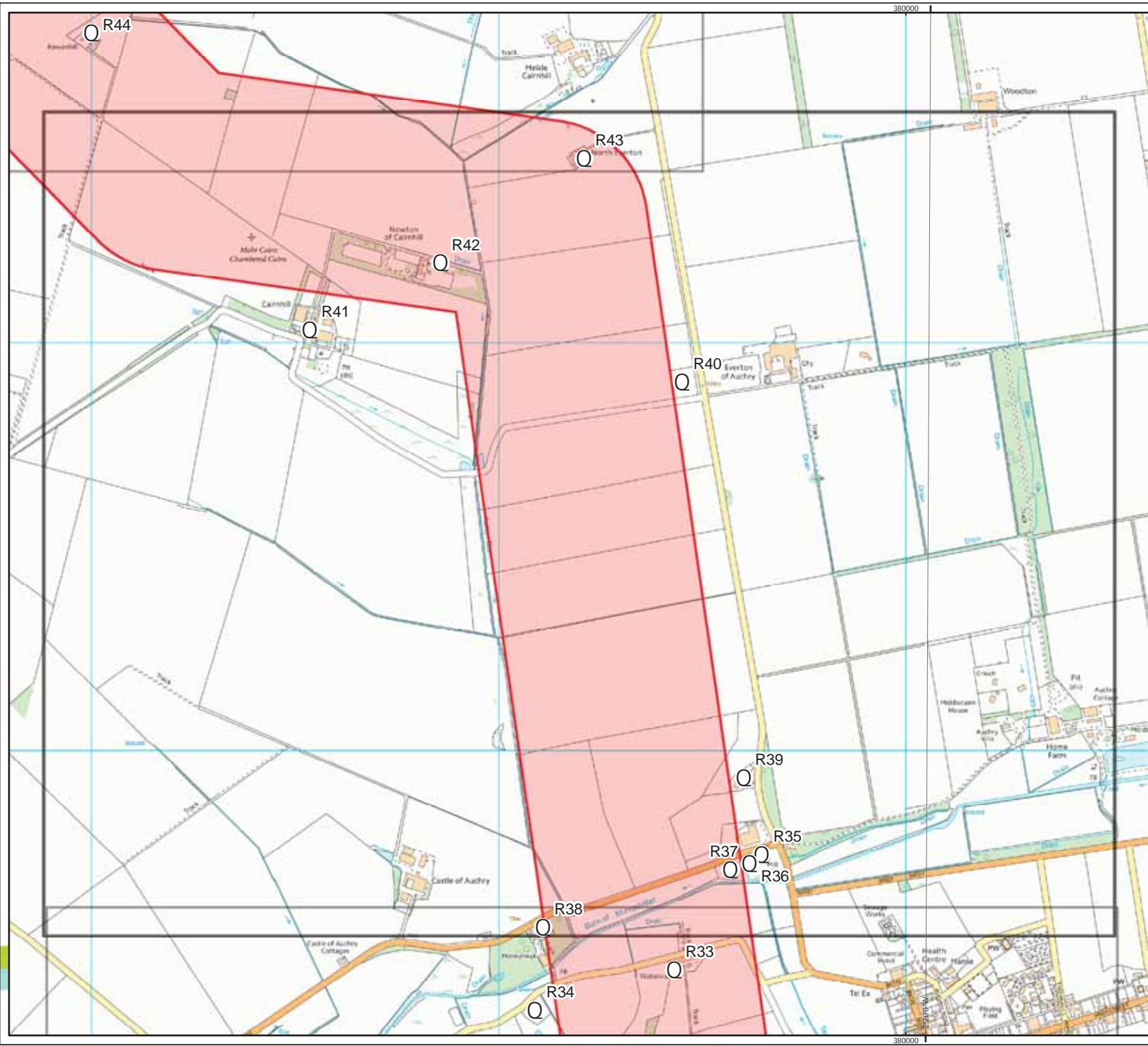
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section D**

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**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- ▭ Modified Onshore Transmission Area
- ▭ Modified Onshore Export Cable Route Corridor
- ▭ Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid

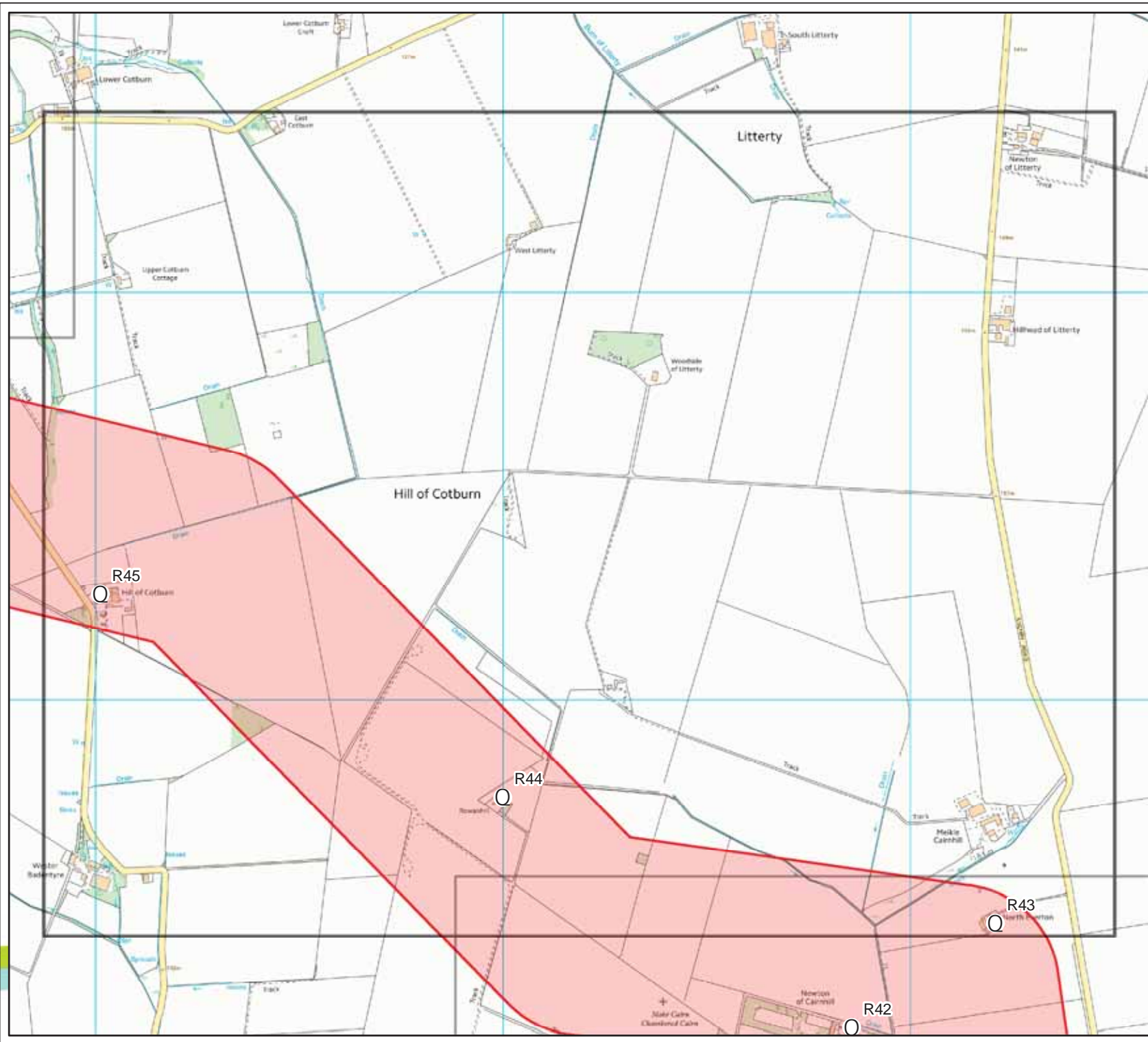
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 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section E**

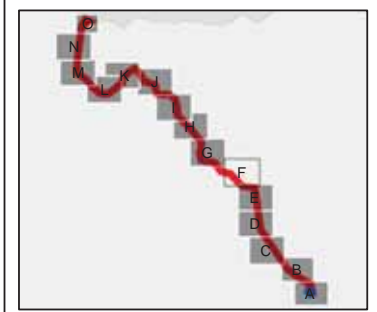
Moray Offshore Renewables Ltd





**Moray Offshore Renewables Ltd**

- KEY**
- Onshore Noise Construction Phase Receptor
  - ▭ Modified Onshore Transmission Area
  - ▭ Modified Onshore Export Cable Route Corridor
  - ▭ Substation Area



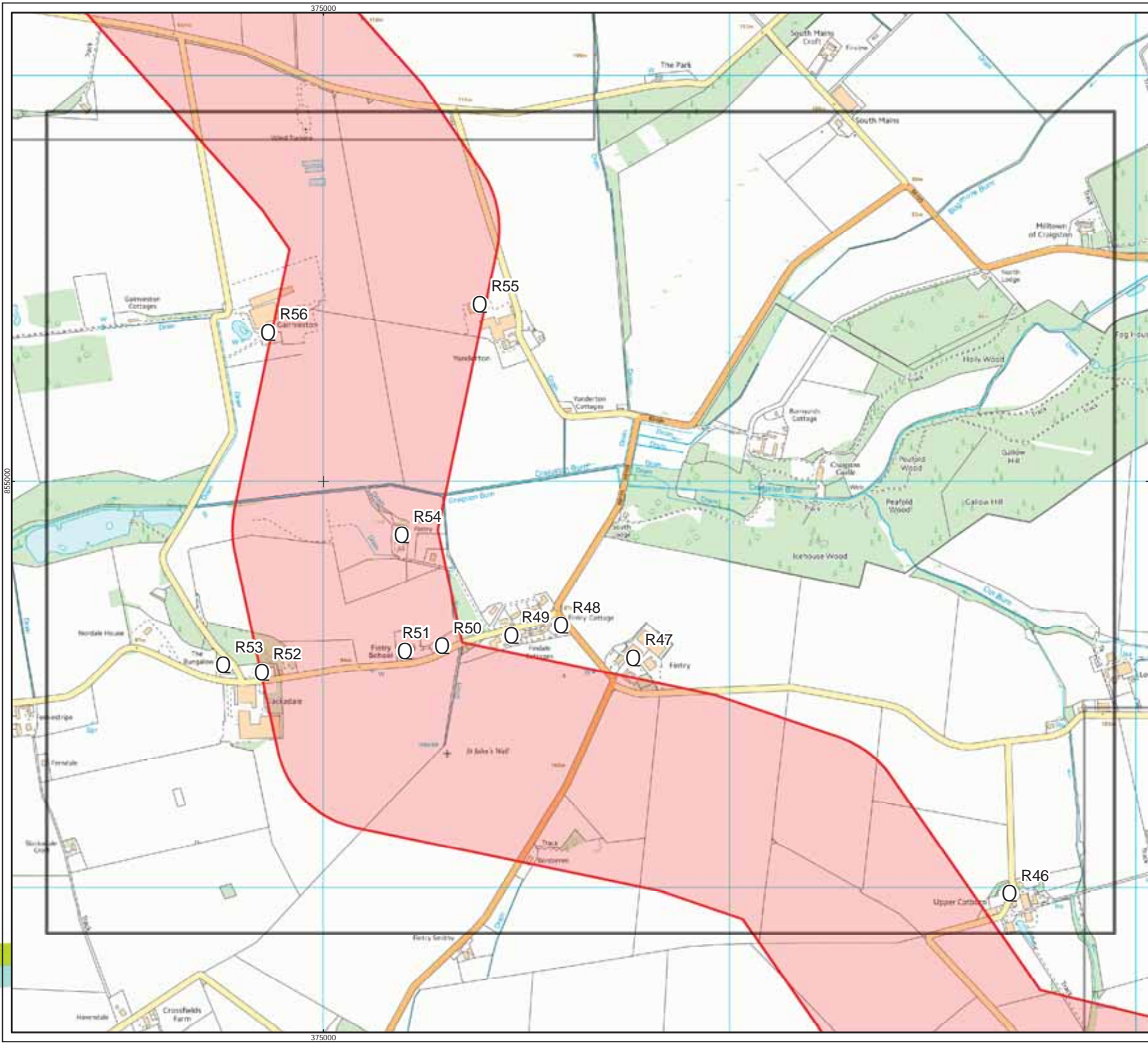
Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section F**

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**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:9,000 A3 Chart  

 0 230 460 Meters

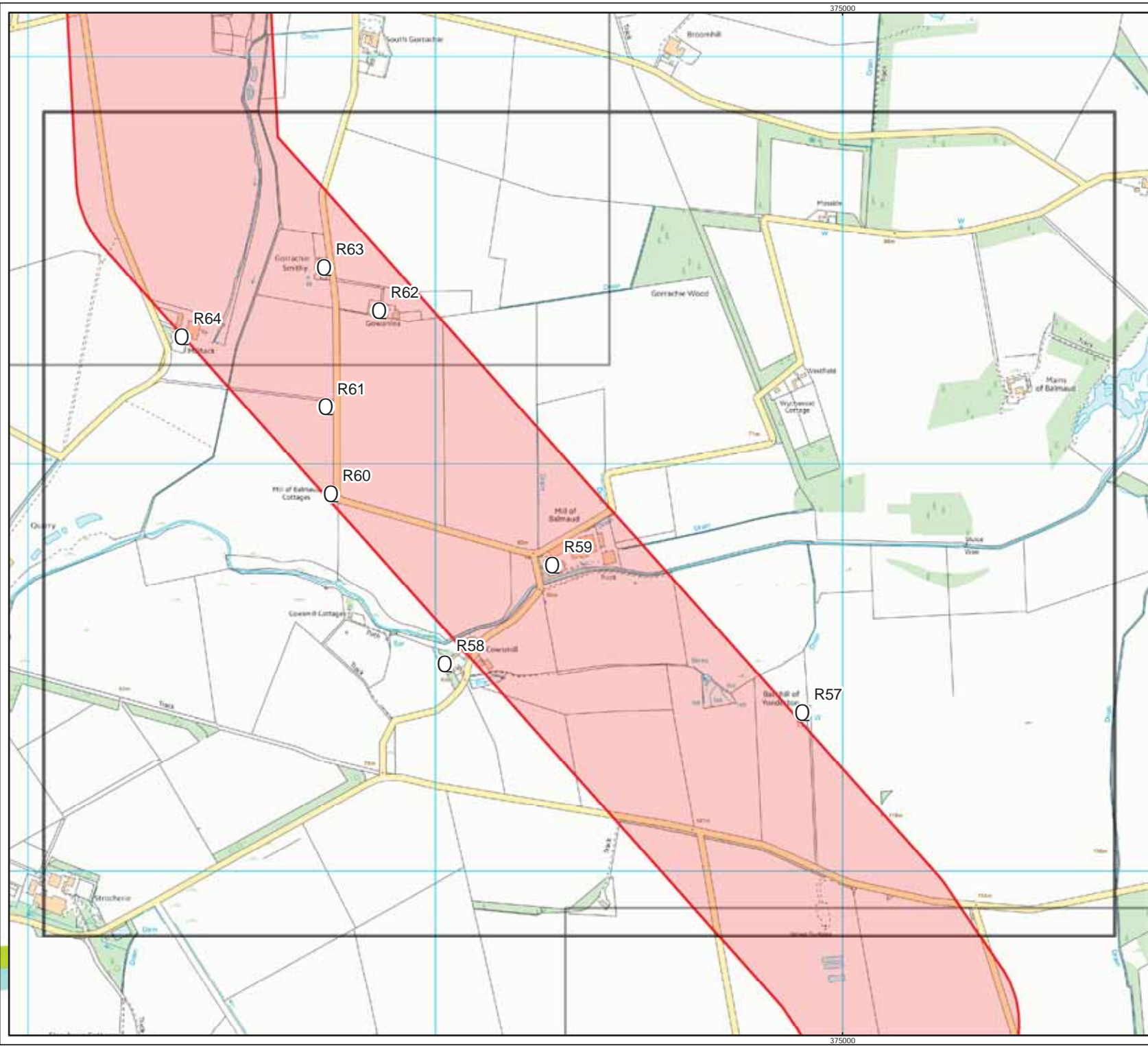
Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	





**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section G**

Moray Offshore Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

-  Onshore Noise Construction Phase Receptor
-  Modified Onshore Transmission Area
-  Modified Onshore Export Cable Route Corridor
-  Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

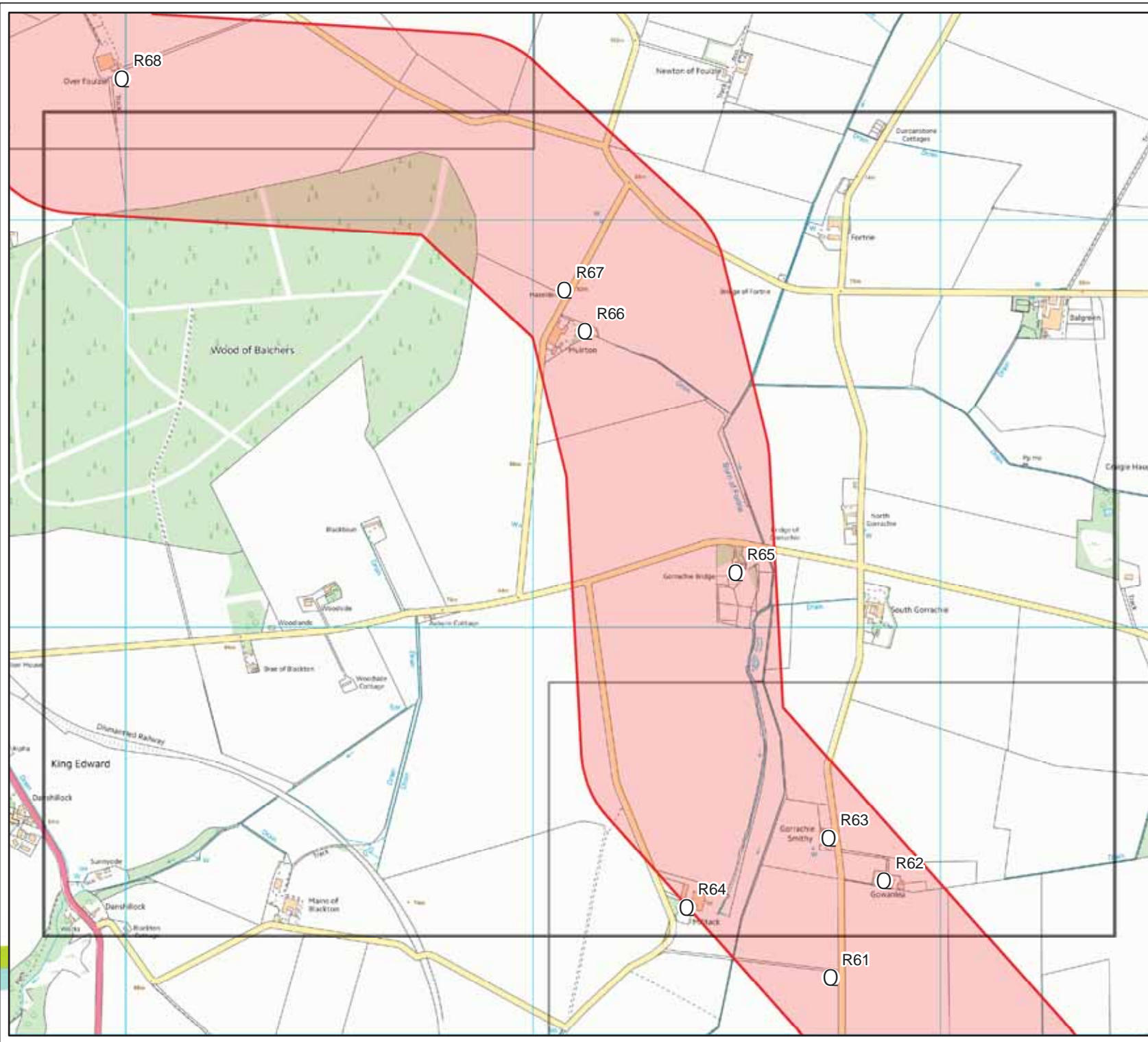
Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section H**

**Moray Offshore Renewables Ltd**



**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



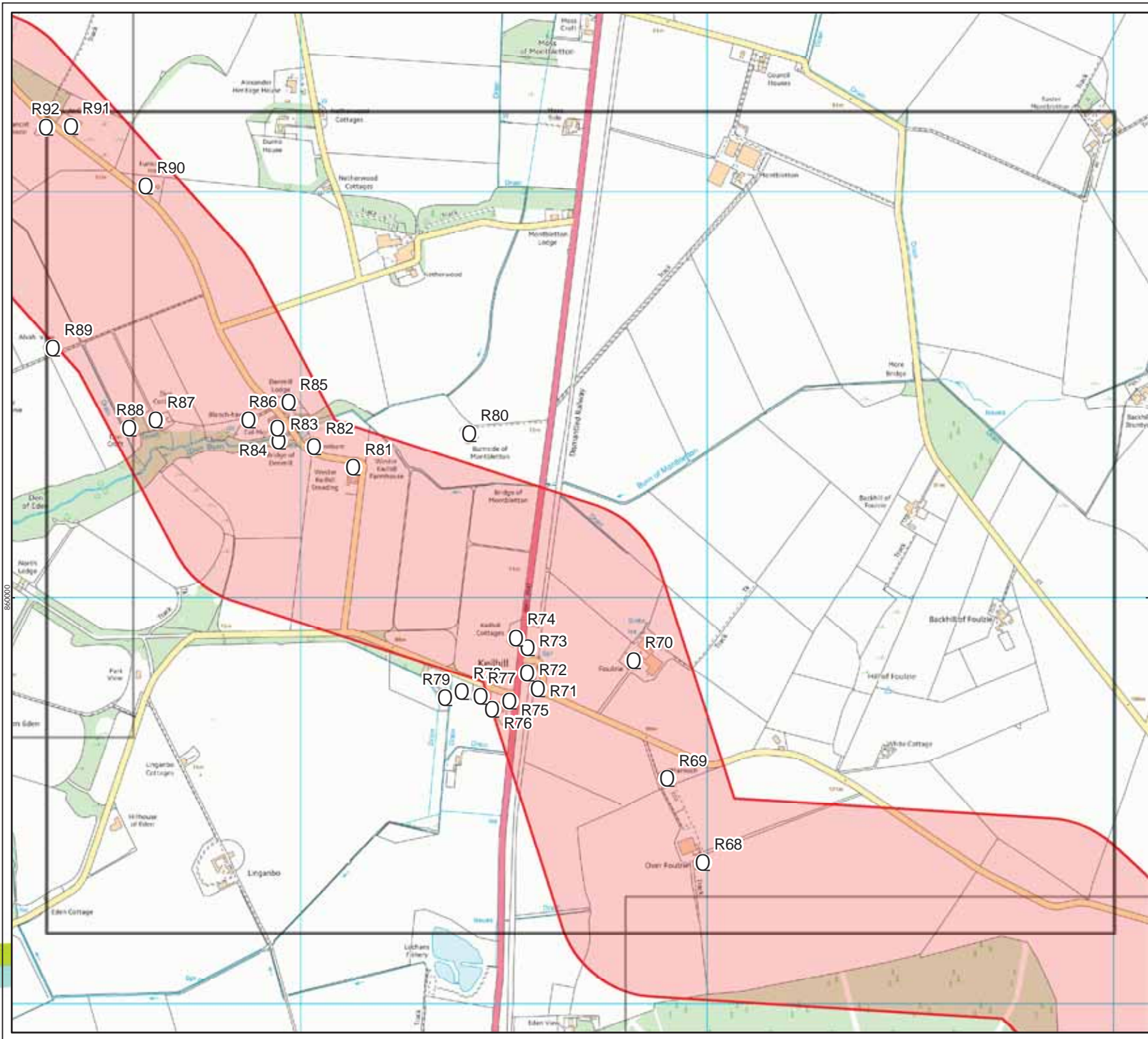
Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section I**





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**Moray Offshore Renewables Ltd**

**KEY**

-  Onshore Noise Construction Phase Receptor
-  Modified Onshore Transmission Area
-  Modified Onshore Export Cable Route Corridor
-  Substation Area



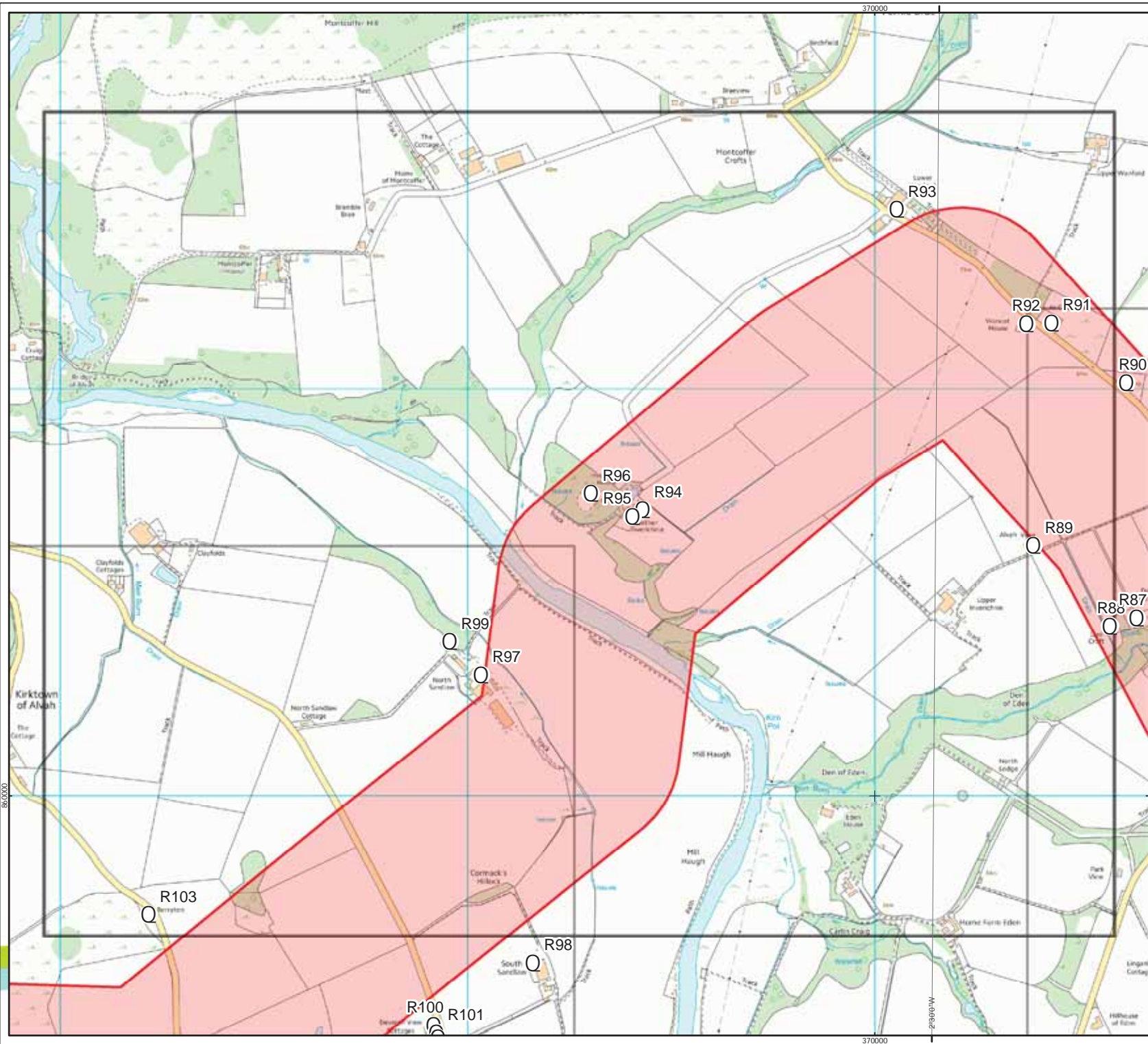
Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section J**

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**Moray Offshore Renewables Ltd**

**KEY**

- Q Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

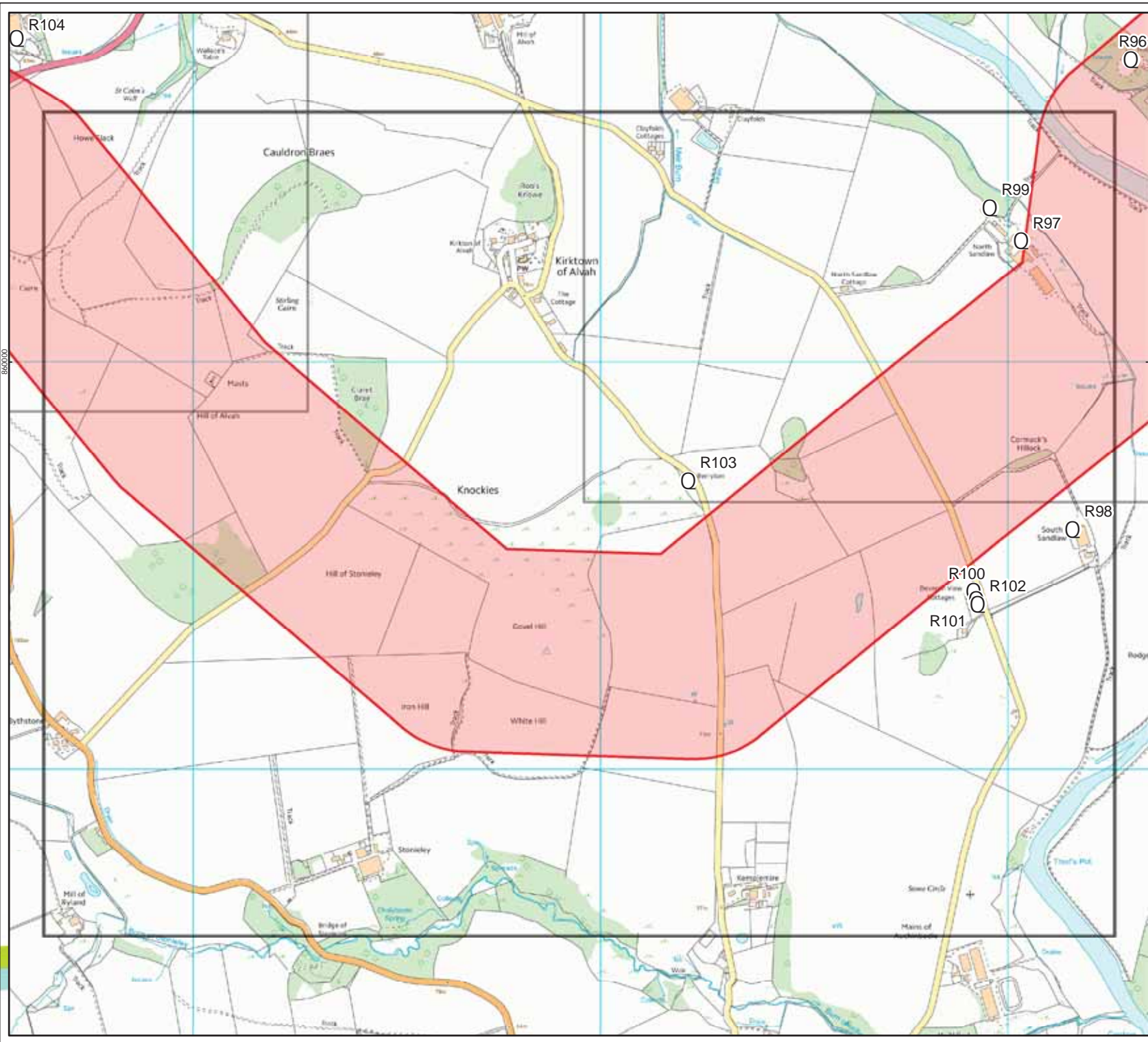
Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section K**

Moray Offshore Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

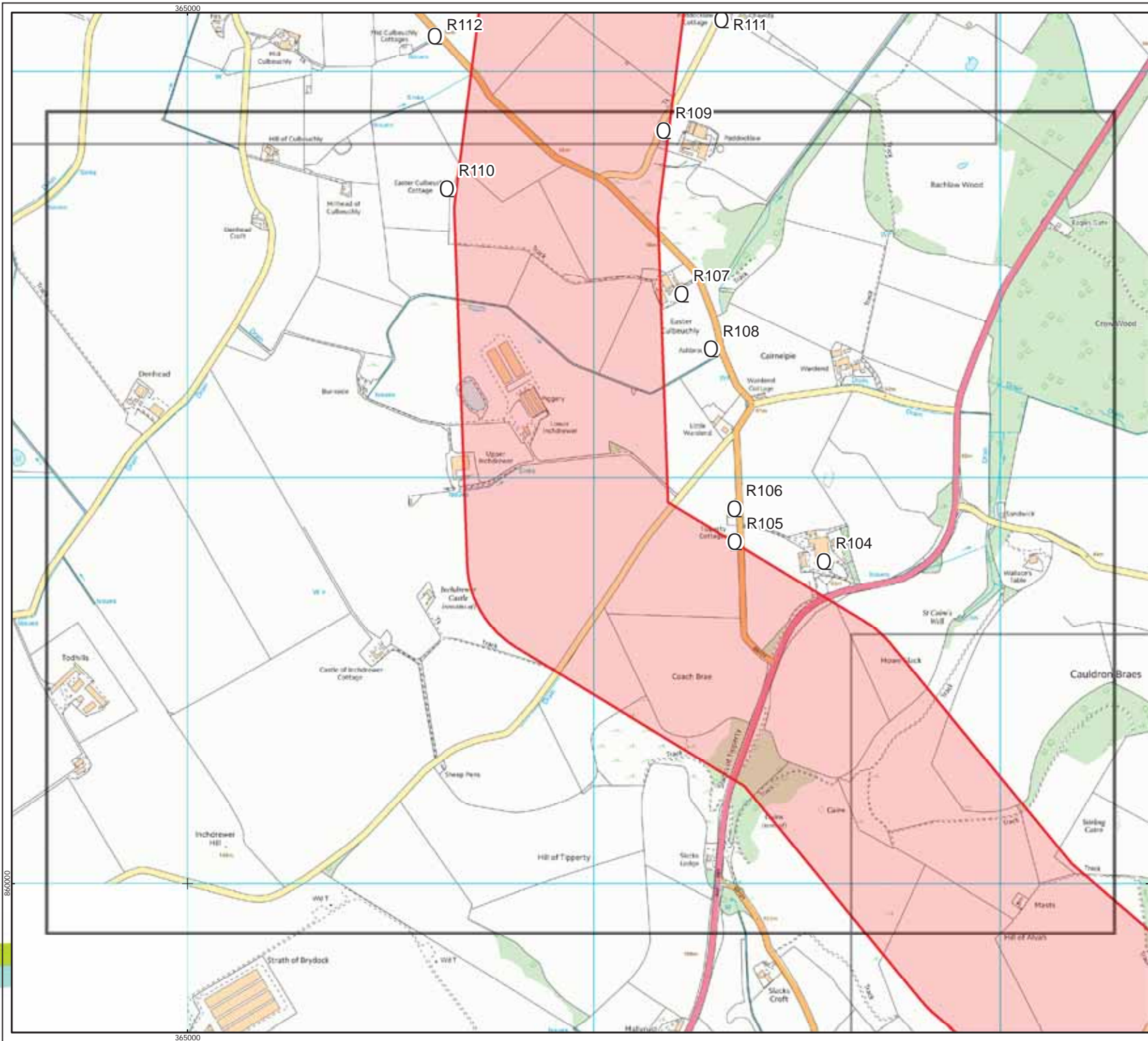
Geodetic Parameters: British National Grid

Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section L**

Moray Offshore Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- ▭ Modified Onshore Transmission Area
- ▭ Modified Onshore Export Cable Route Corridor
- ▭ Substation Area



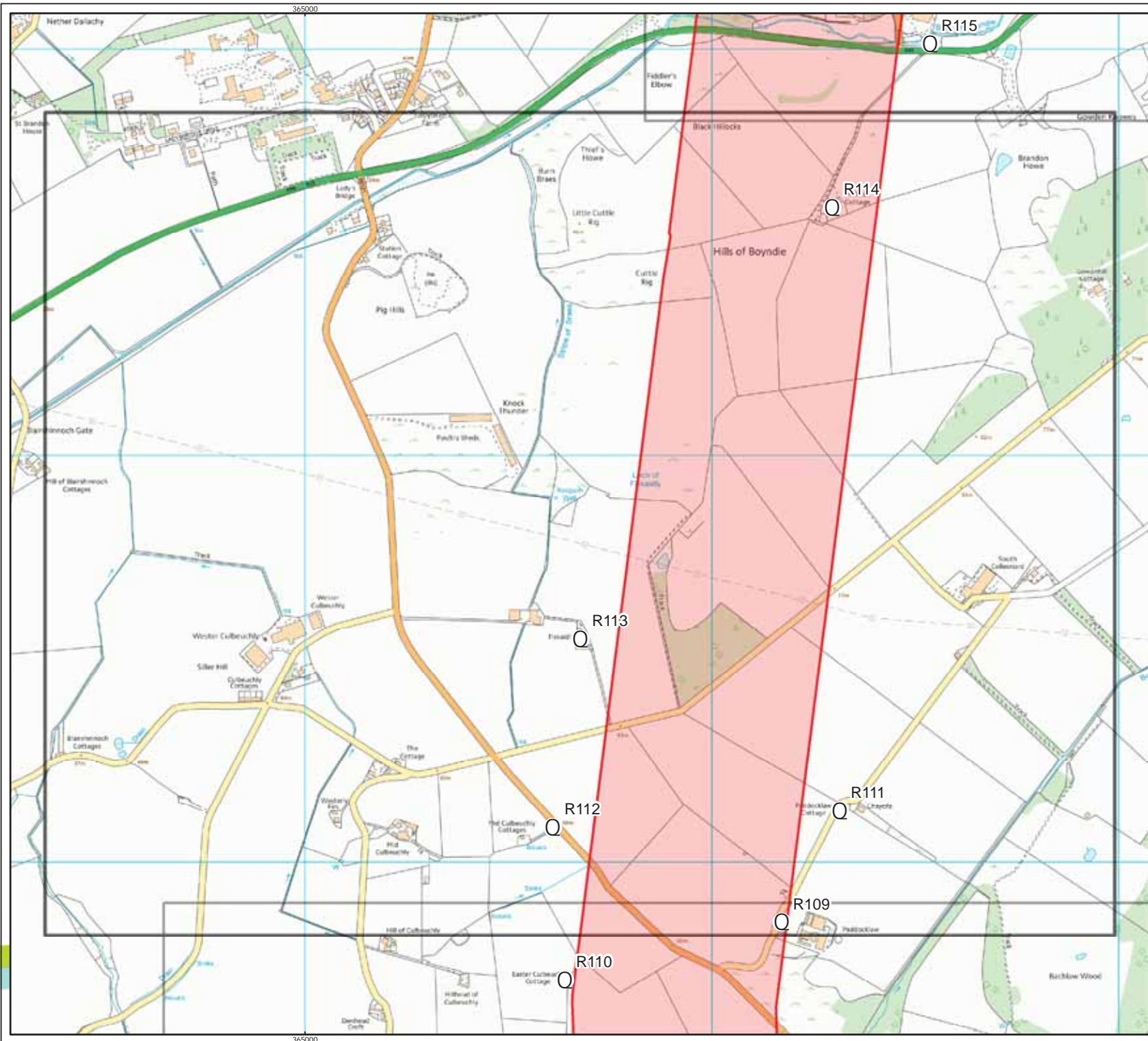
Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section M**

Moray Offshore Renewables Ltd





**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- ▭ Modified Onshore Transmission Area
- ▭ Modified Onshore Export Cable Route Corridor
- ▭ Substation Area



Horizontal Scale: 1:9,000 A3 Chart  
 0 230 460 Meters

Geodetic Parameters: British National Grid

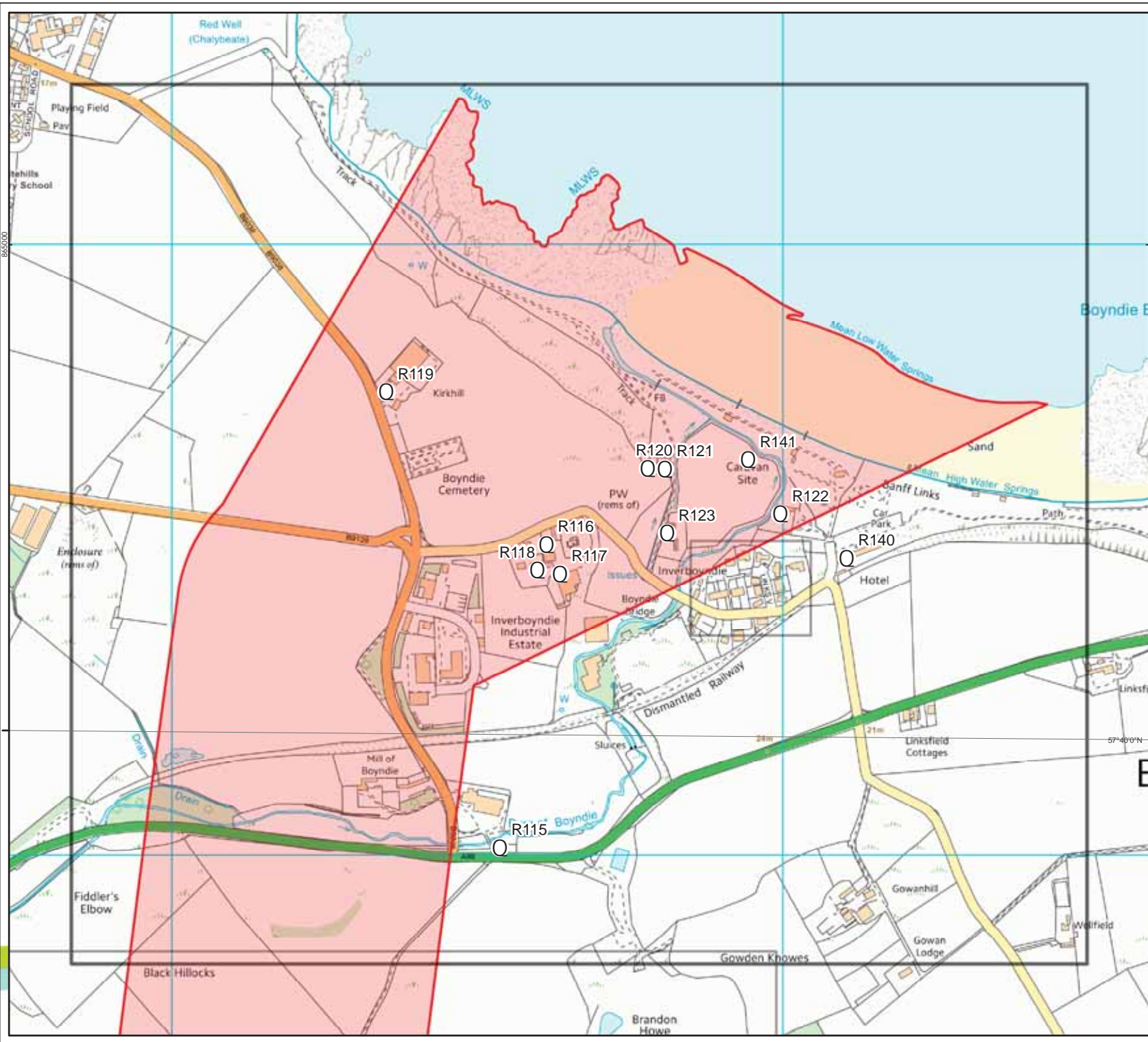
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section N**

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**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- Modified Onshore Transmission Area
- Modified Onshore Export Cable Route Corridor
- Substation Area

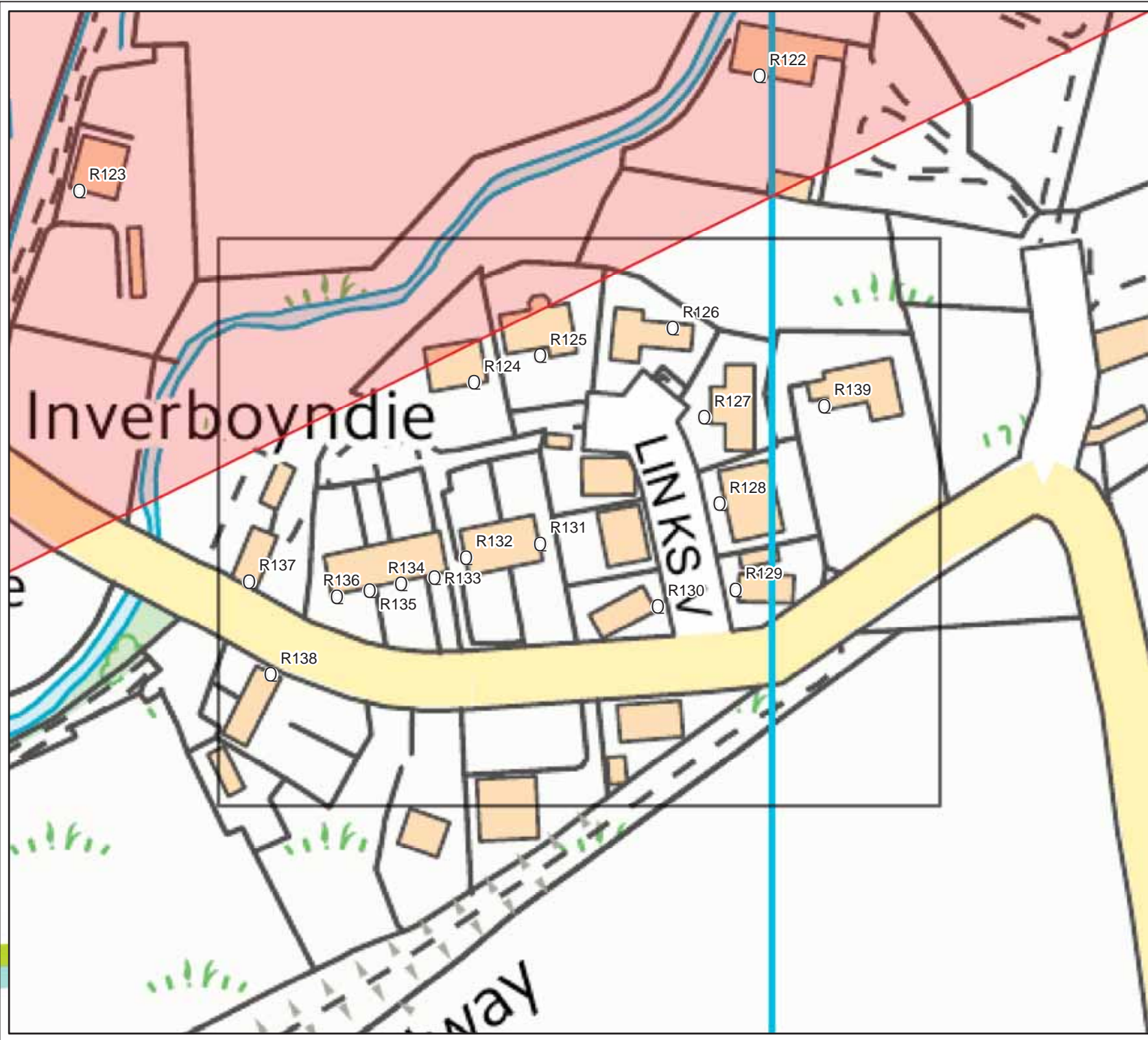


Horizontal Scale: 1:6,000 A3 Chart  
 0 150 300 Meters

Geodetic Parameters: British National Grid	
Produced: ES	
Reviewed: PM	
Approved: AH	
Date: 25/06/2014	Revision: A
REF: 8460001-PSO0031-WYG-MAP-002	

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section O**

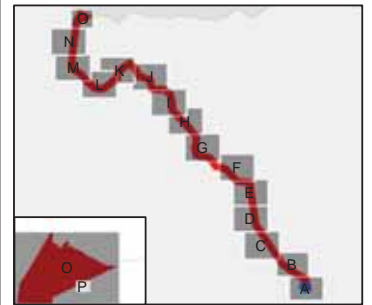
Moray Offshore Renewables Ltd



**Moray Offshore Renewables Ltd**

**KEY**

- Onshore Noise Construction Phase Receptor
- ▭ Modified Onshore Transmission Area
- ▭ Modified Onshore Export Cable Route Corridor
- ▭ Substation Area



Horizontal Scale: 1:1,000 A3 Chart  
 0 25 50 Meters

Geodetic Parameters: British National Grid

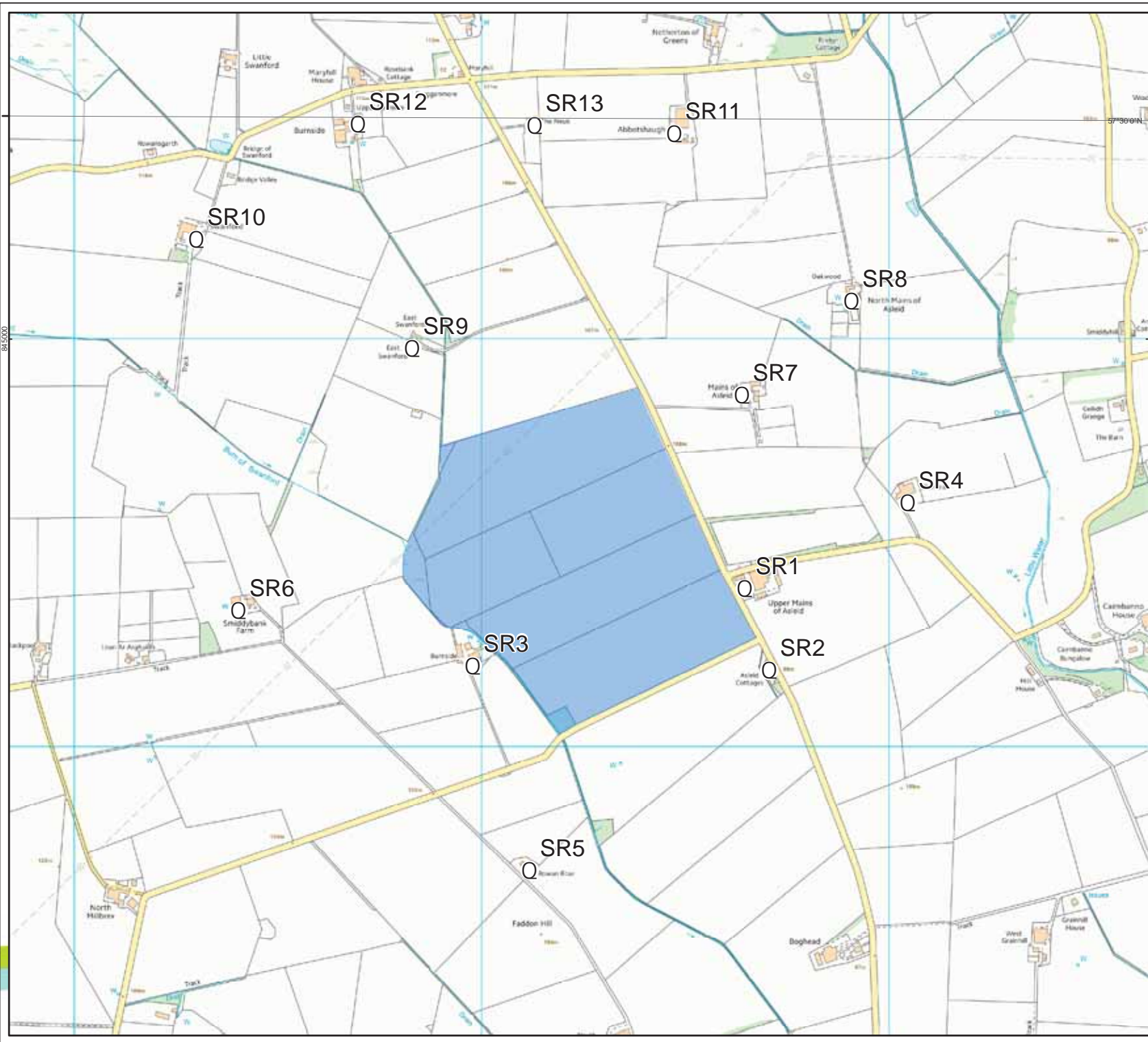
Produced: ES  
 Reviewed: PM  
 Approved: AH

Date: 25/06/2014 Revision: A  
 REF: 8460001-PSO0031-WYG-MAP-002

**Figure 3.3-2 Onshore Noise Construction Phase Receptor Location Section P**

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Moray Offshore Renewables Ltd

**KEY**

- Q Onshore Noise Operational Phase Receptor
- Substation Area

Horizontal Scale: 1:9,000 A3 Chart  
0 230 460 Meters

Geodetic Parameters: British National Grid

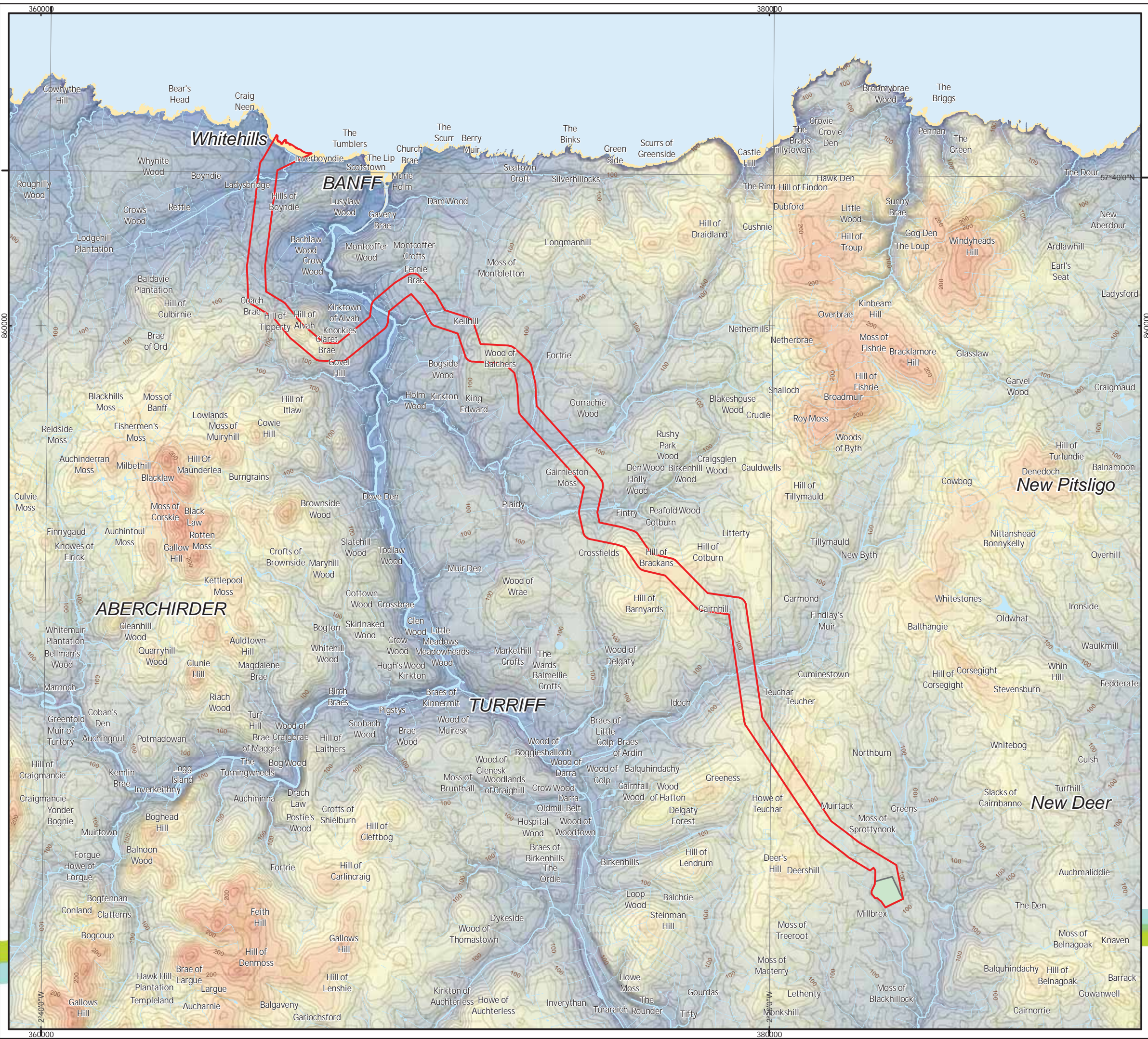
Produced: ES  
Reviewed: PM  
Approved: AH

Date: 24/06/2014 Revision: A  
REF: 8460001-PSO0031-WYG-MAP-003

Figure 3.3-3  
Onshore Noise Operational  
Phase Receptor Location Plan

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Renewables Ltd

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified OnTI
- Proposed Substation Area
- Watercourse

**Height above sea level**

**Value**

High : 429 m

Low : 0 m

Horizontal Scale: 1:100,000 A3 Chart

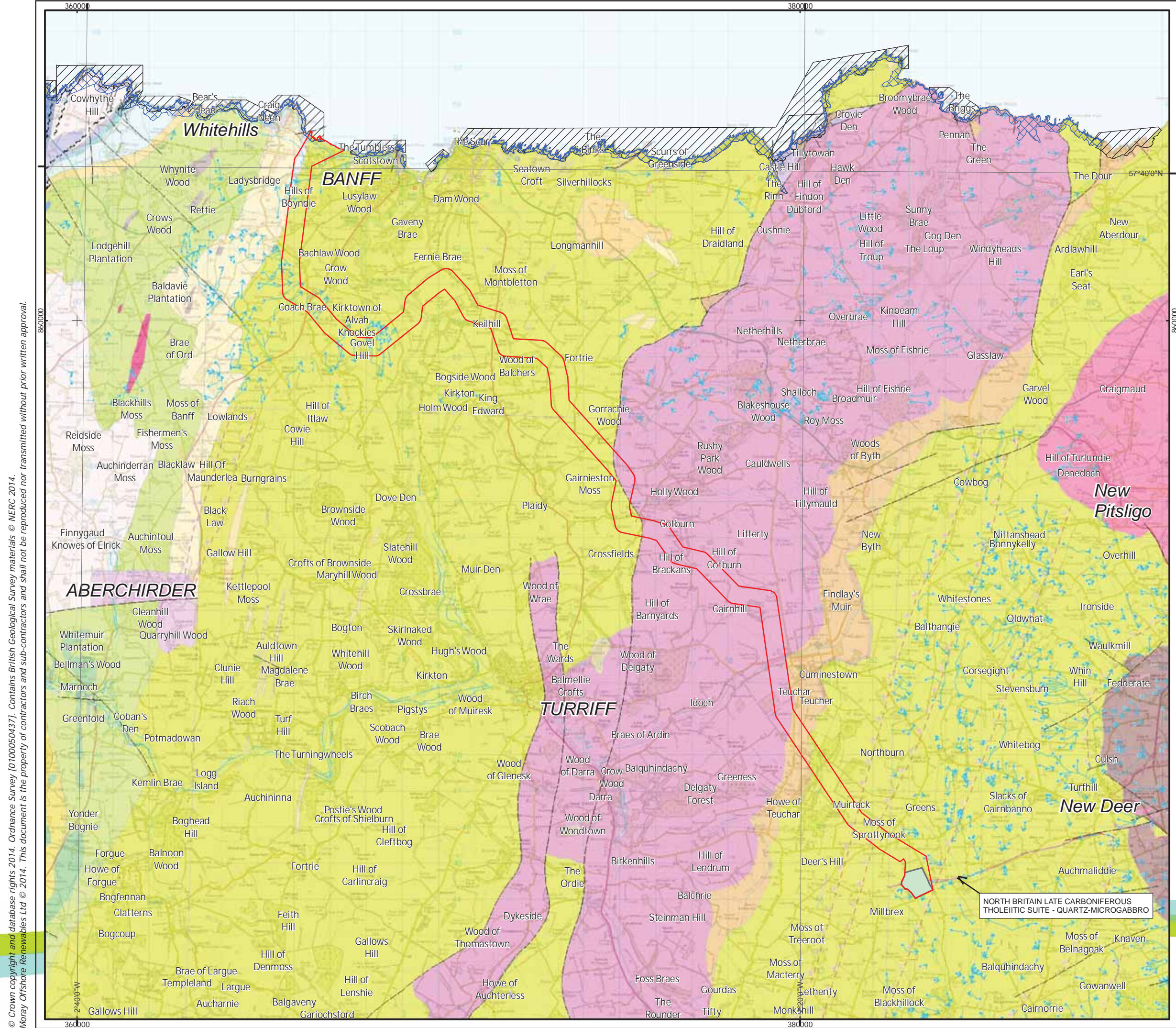
Geodetic Parameters: British National Grid

Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 17/06/2014 Revision: B  
 REF: 8460001-PSO0041-ARP-MAP-007

**Figure 3.2-1**  
**Site Plan**

**Moray Offshore**  
**Renewables Ltd**



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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - Geological Conservation Review Site (GCR)
  - Geological Site of Special Scientific Interest (SSSI)
- Linear features**
- Fault, inferred, displacement unknown
  - Glacial meltwater channel centre line, undifferentiated
  - Metamorphic zone boundary
- Bedrock Geology**
- CROVIE SANDSTONE GROUP - SANDSTONE, SILTSTONE AND MUDSTONE
  - GARDENSTOWN CONGLOMERATE FORMATION - CONGLOMERATE
  - KNOCK HEAD GRIT MEMBER - PSAMMITE
  - MACDUFF FORMATION - MICACEOUS PSAMMITE, SEMIPELITE AND PELITE
  - NORTH BRITAIN LATE CARBONIFEROUS THOLEIITIC SUITE - QUARTZ-MICROGABBRO

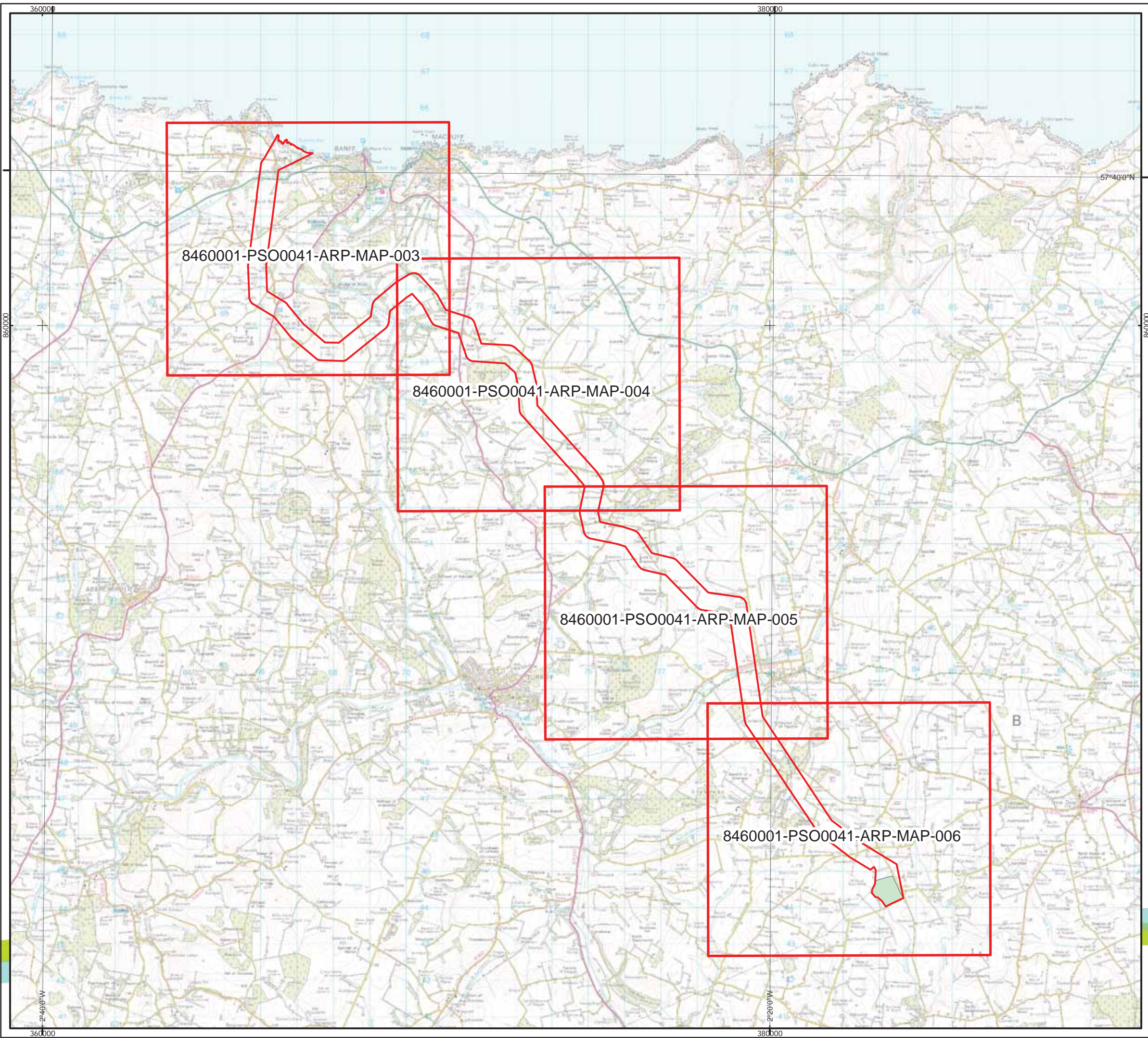
Horizontal Scale: 1:100,000 A3 Chart

Geodetic Parameters: British National Grid	
Produced: GP	
Reviewed: ES	
Approved: AH	
Date: 17/06/2014	Revision: B
REF: 8460001-PSO0041-ARP-MAP-008	

NORTH BRITAIN LATE CARBONIFEROUS THOLEIITIC SUITE - QUARTZ-MICROGABBRO

**Figure 3.2-2  
Solid Geology**

**Moray Offshore  
Renewables Ltd**



Moray Offshore Renewables Ltd

- KEY**
- Modified OnTI
  - Proposed Substation Area

Horizontal Scale: 1:100,000 A3 Chart  
0 2,500 5,000 Meters

Geodetic Parameters: British National Grid

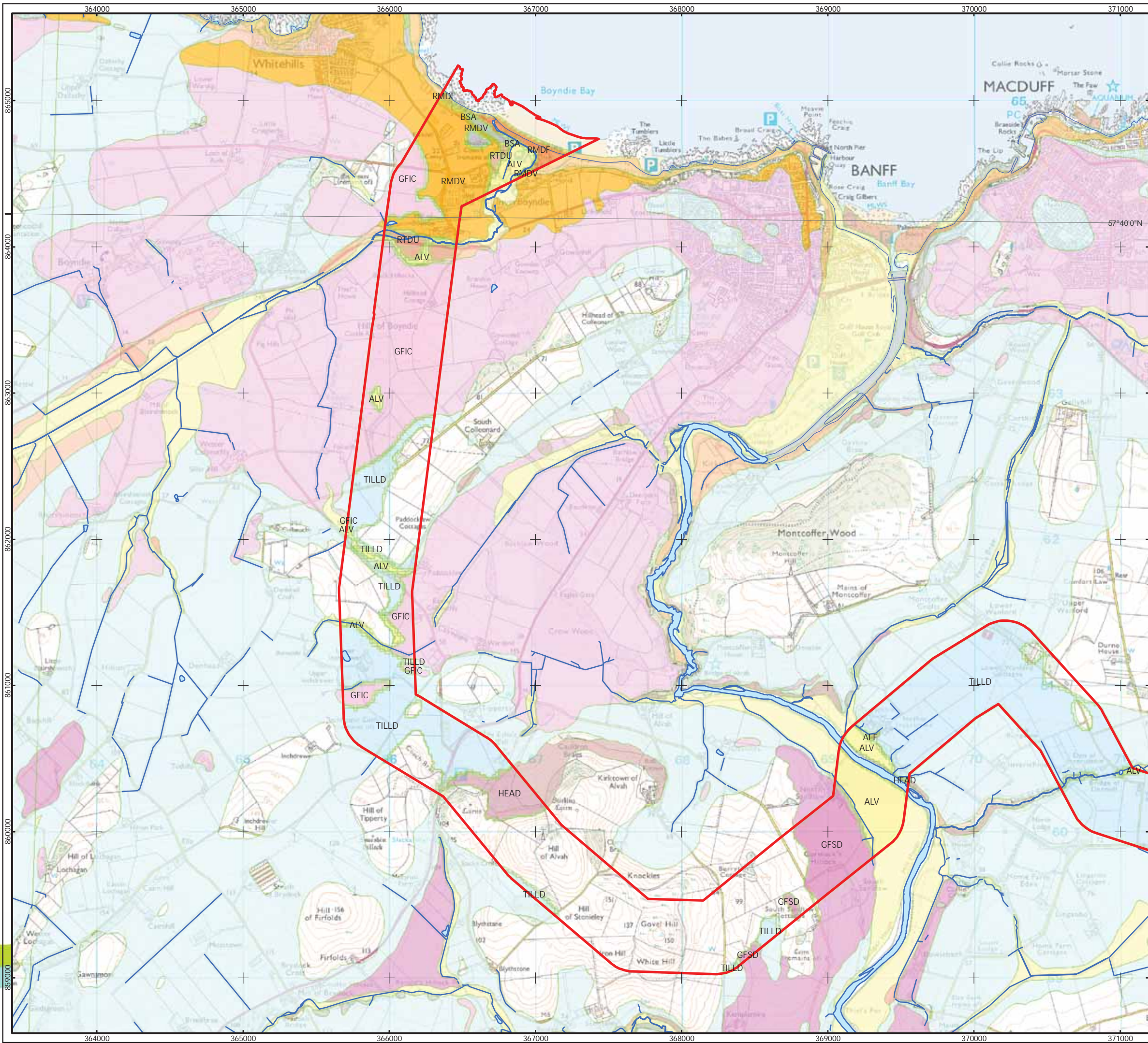
Produced: GP  
Reviewed: ES  
Approved: AH

Date: 17/06/2014 Revision: B  
REF: 8460001-PSO0041-ARP-MAP-009

Figure 3.2-3a  
Superficial Geology Index Map

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - Watercourse
- Superficial Geology**
- ALF - ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY
  - ALV - ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
  - BSA - BLOWN SAND - SAND
  - GFIC - GLACIOFLUVIAL ICE CONTACT DEPOSITS - GRAVEL, SAND AND SILT
  - GFSD - GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
  - HEAD - GRAVEL, SAND, SILT AND CLAY
  - KBSI - KIRK BURN SILT FORMATION - CLAY, SILT AND SAND
  - MBD - MARINE BEACH DEPOSITS - GRAVEL, SAND AND SILT
  - PEAT - PEAT
  - RMDV - RAISED MARINE DEPOSITS OF FLANDRIAN AGE - GRAVEL, SAND AND SILT
  - RTDU - RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY
  - TILLD - TILL, DEVENSIAN - DIAMICTON
  - WHGL - WHITEHILLS GLACIGENIC FORMATION - DIAMICTON, CLAY, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME - EXTENDED]
  - N/A

Horizontal Scale: 1:25,000 A3 Chart

Geodetic Parameters: British National Grid

Produced: GP  
 Reviewed: ES  
 Approved: AH

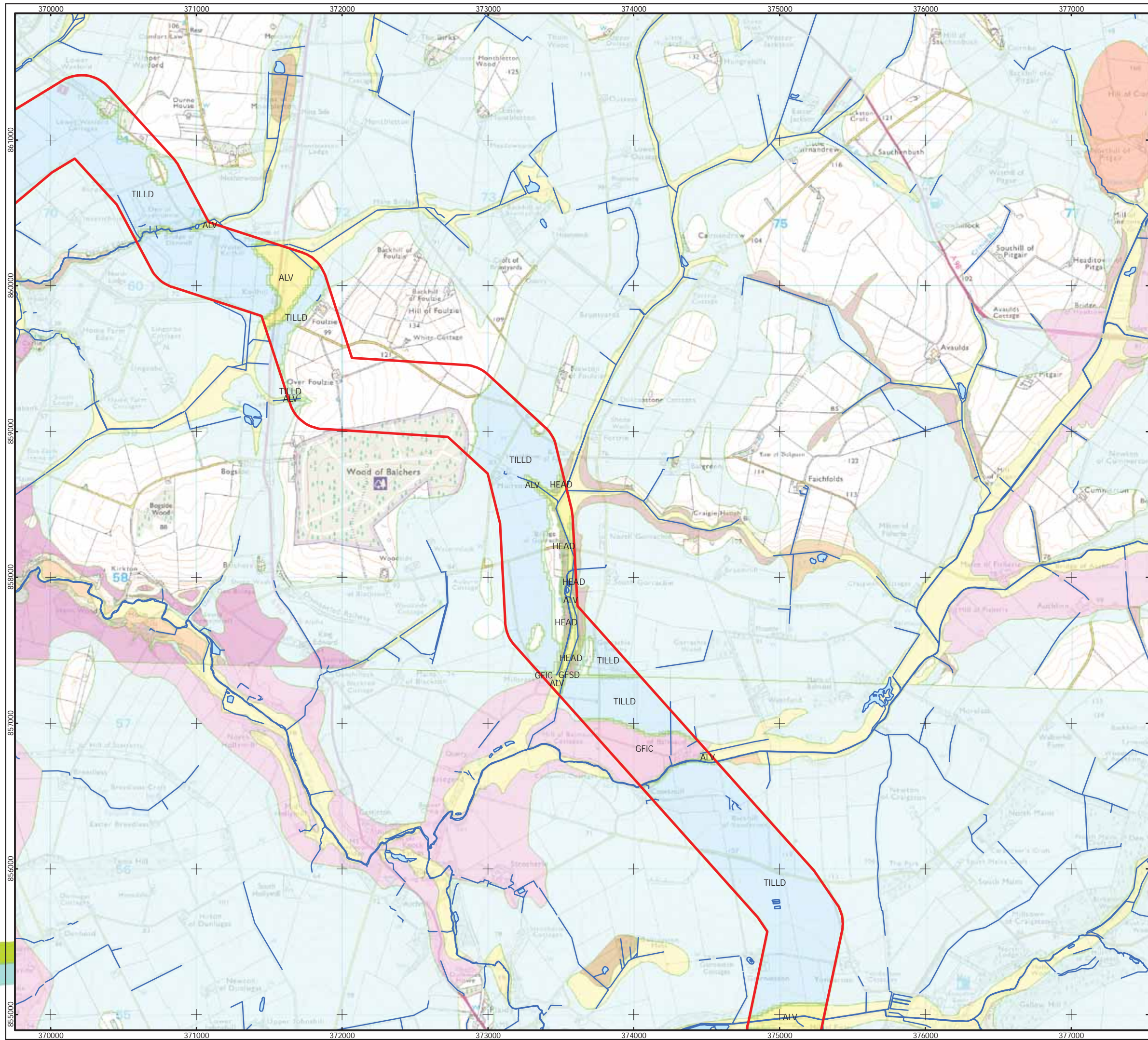
Date: 17/06/2014 Revision: B  
 REF: 8460001-PSO0041-ARP-MAP-003

**Figure 3.2-3b  
 Superficial Geology**

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - Watercourse
- Superficial Geology**
- ALF - ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY
  - ALV - ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
  - BSA - BLOWN SAND - SAND
  - GFIC - GLACIOFLUVIAL ICE CONTACT DEPOSITS - GRAVEL, SAND AND SILT
  - GFSD - GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
  - HEAD - GRAVEL, SAND, SILT AND CLAY
  - KBSI - KIRK BURN SILT FORMATION - CLAY, SILT AND SAND
  - MBD - MARINE BEACH DEPOSITS - GRAVEL, SAND AND SILT
  - PEAT - PEAT
  - RMDf - RAISED MARINE DEPOSITS OF FLANDRIAN AGE - GRAVEL, SAND AND SILT
  - RMDV - RAISED MARINE DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT
  - RTDU - RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY
  - TILLD - TILL, DEVENSIAN - DIAMICTON
  - WHGL - WHITEHILLS GLACIGENIC FORMATION - DIAMICTON, CLAY, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME - EXTENDED]
  - N/A

Horizontal Scale: 1:25,000 A3 Chart  
  
 0 630 1,260 Meters

Geodetic Parameters: British National Grid

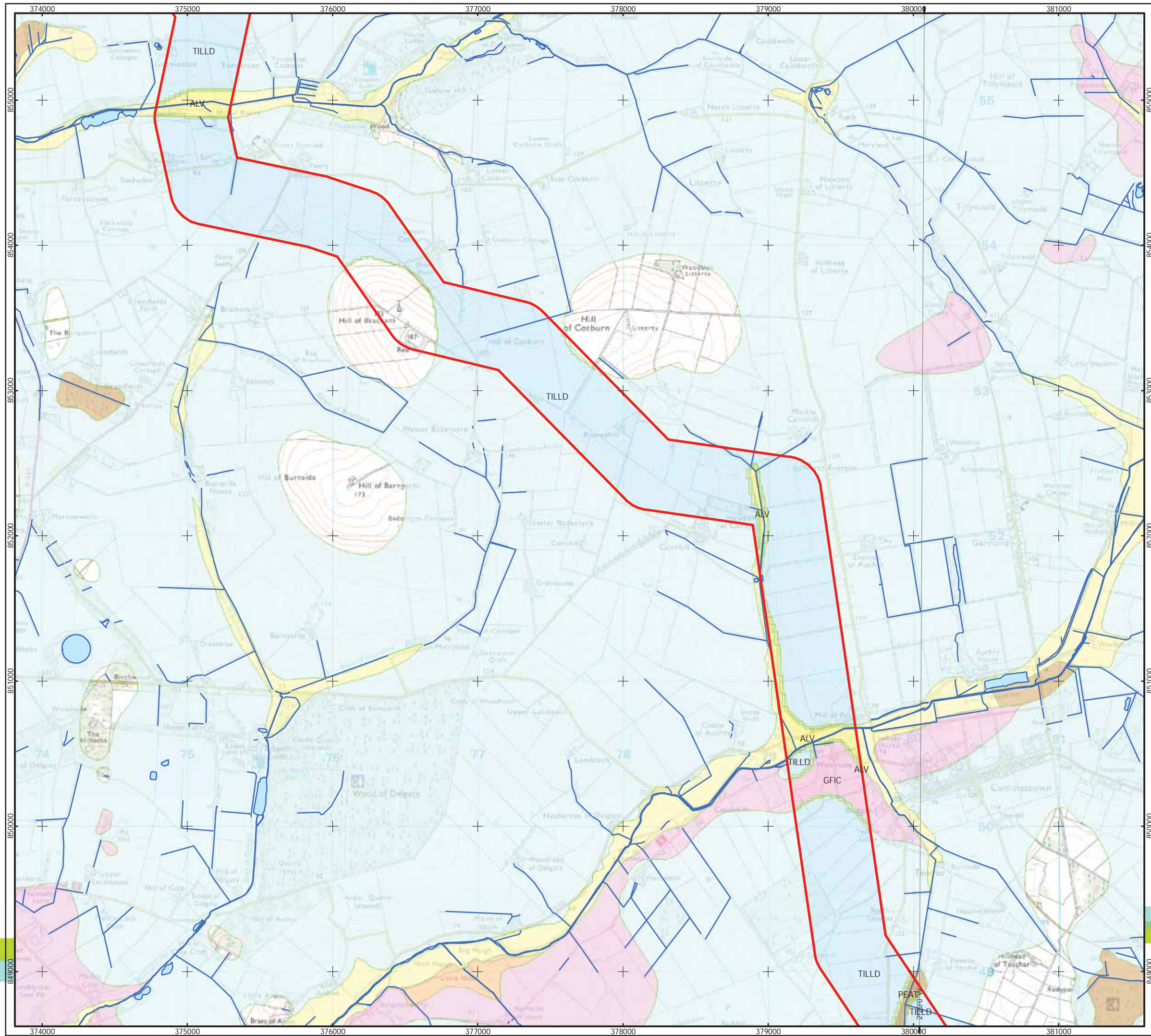
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 17/06/2014 Revision: B  
 REF: 8460001-PSO0041-ARP-MAP-004

**Figure 3.2-3c  
 Superficial Geology**

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - Watercourse
- Superficial Geology**
- ALF - ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY
  - ALV - ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
  - BSA - BLOWN SAND - SAND
  - GFIC - GLACIOFLUVIAL ICE CONTACT DEPOSITS - GRAVEL, SAND AND SILT
  - GFSD - GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
  - HEAD - GRAVEL, SAND, SILT AND CLAY
  - KBSI - KIRK BURN SILT FORMATION - CLAY, SILT AND SAND
  - MBD - MARINE BEACH DEPOSITS - GRAVEL, SAND AND SILT
  - PEAT - PEAT
  - RMDF - RAISED MARINE DEPOSITS OF FLANDRIAN AGE - GRAVEL, SAND AND SILT
  - RMDV - RAISED MARINE DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT
  - RTDU - RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY
  - TILLD - TILL, DEVENSIAN - DIAMICTON
  - WHGL - WHITEHILLS GLACIGENIC FORMATION - DIAMICTON, CLAY, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME - EXTENDED]
  - N/A

Horizontal Scale: 1:25,000 A3 Chart  
  
 0 630 1,260 Meters

Geodetic Parameters: British National Grid

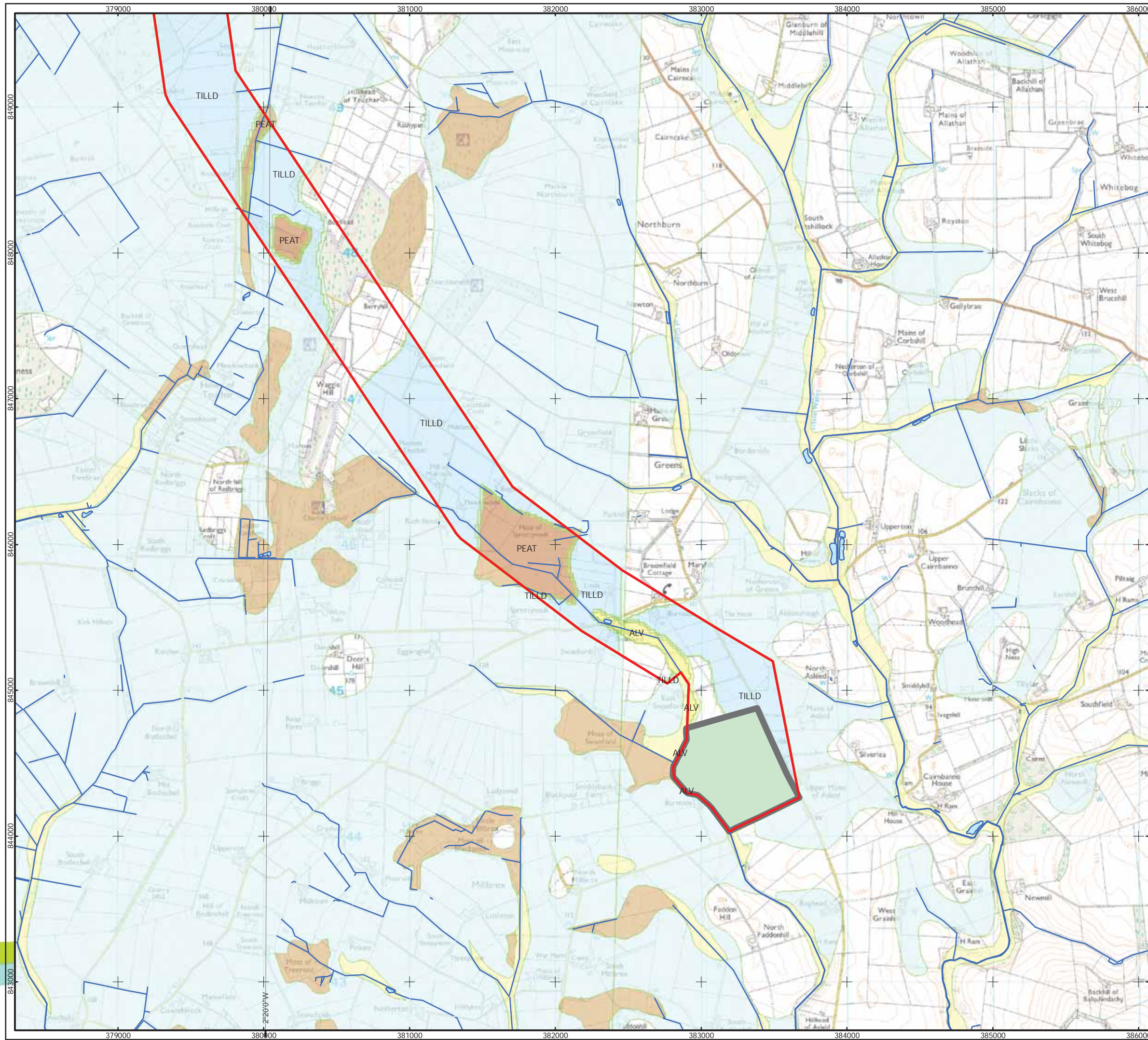
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 17/06/2014 Revision: B  
 REF: 8460001-PSO0041-ARP-MAP-005

**Figure 3.2-3d  
 Superficial Geology**

**Moray Offshore  
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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - Watercourse
- Superficial Geology**
- ALF - ALLUVIAL FAN DEPOSITS - GRAVEL, SAND, SILT AND CLAY
  - ALV - ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
  - BSA - BLOWN SAND - SAND
  - GFIC - GLACIOFLUVIAL ICE CONTACT DEPOSITS - GRAVEL, SAND AND SILT
  - GFSD - GLACIOFLUVIAL SHEET DEPOSITS - GRAVEL, SAND AND SILT
  - HEAD - GRAVEL, SAND, SILT AND CLAY
  - KBSI - KIRK BURN SILT FORMATION - CLAY, SILT AND SAND
  - MBD - MARINE BEACH DEPOSITS - GRAVEL, SAND AND SILT
  - PEAT - PEAT
  - RMDF - RAISED MARINE DEPOSITS OF FLANDRIAN AGE - GRAVEL, SAND AND SILT
  - RMDV - RAISED MARINE DEPOSITS, DEVENSIAN - GRAVEL, SAND AND SILT
  - RTDU - RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND, SILT AND CLAY
  - TILLD - TILL, DEVENSIAN - DIAMICTON
  - WHGL - WHITEHILLS GLACIGENIC FORMATION - DIAMICTON, CLAY, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME - EXTENDED]
  - N/A

Horizontal Scale: 1:25,000 A3 Chart  
 0 630 1,260 Meters

Geodetic Parameters: British National Grid

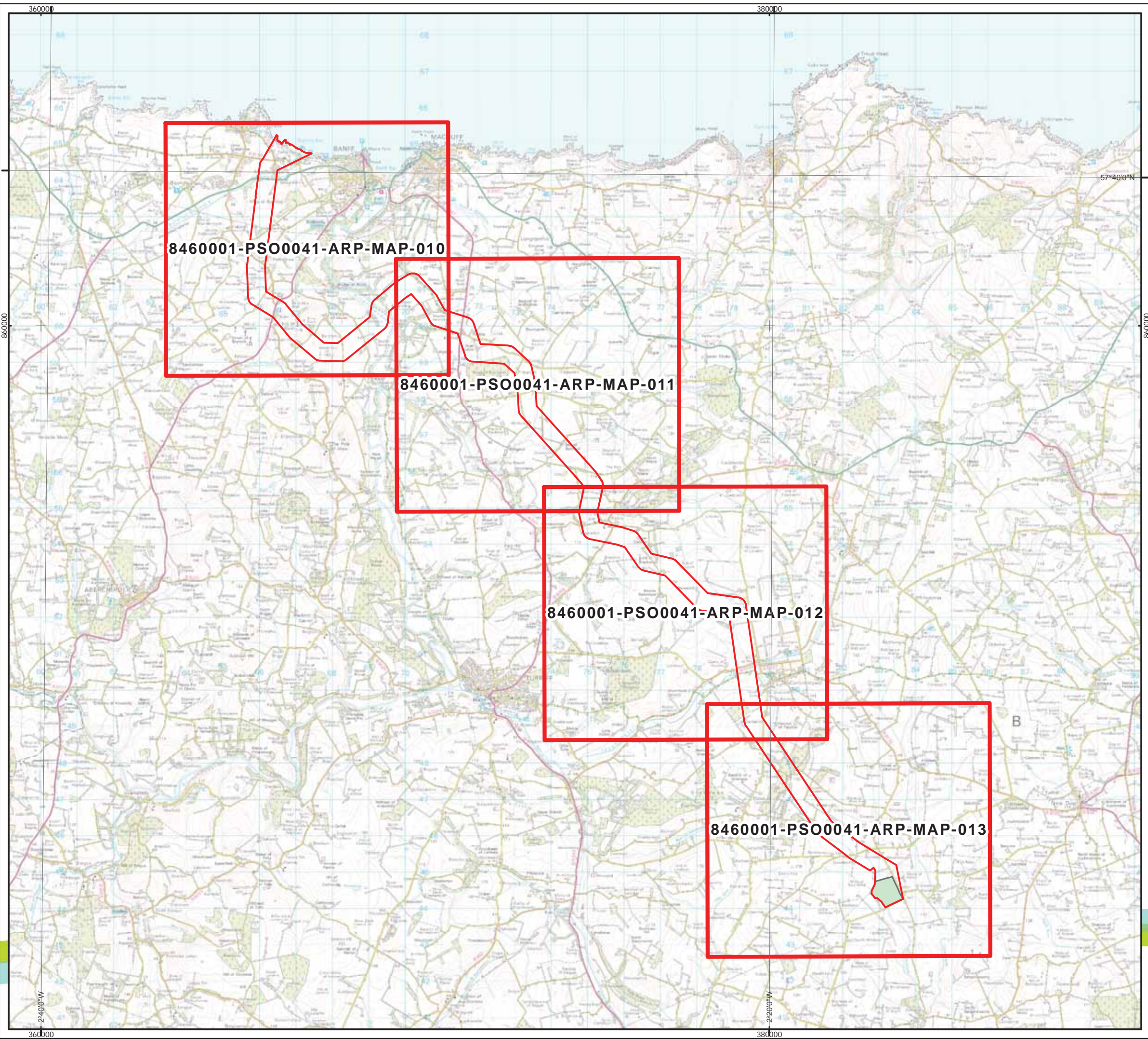
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 17/06/2014 Revision: B  
 REF: 8460001-PSO0041-ARP-MAP-006



**Figure 3.2-3e  
 Superficial Geology**

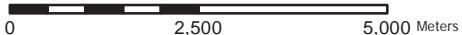
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**Moray Offshore Renewables Ltd**

- KEY**
-  Modified OnTI
  -  Proposed Substation Area

Horizontal Scale: 1:100,000 A3 Chart  


Geodetic Parameters: British National Grid

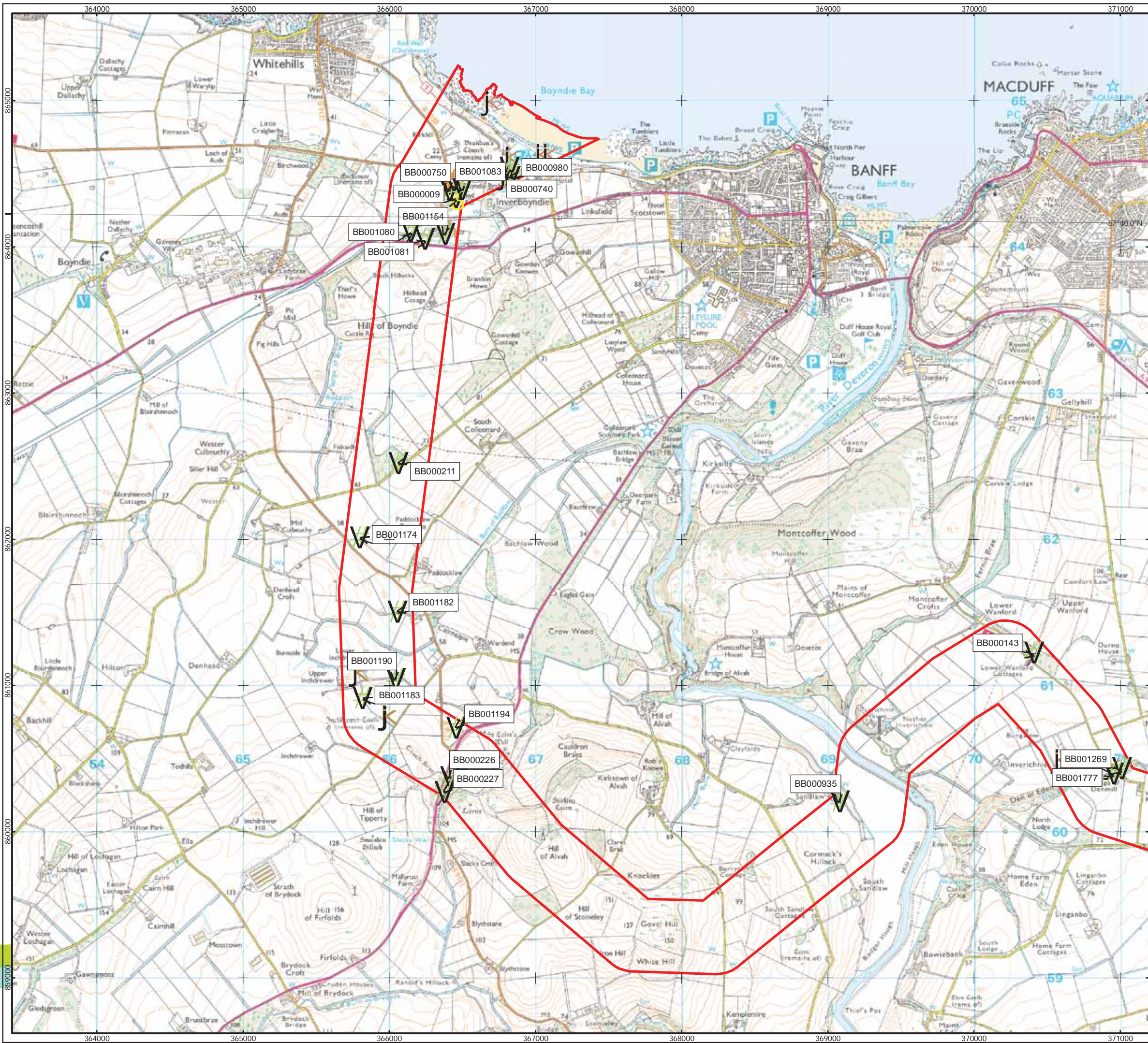
Produced: GP  
Reviewed: ES  
Approved: AH

Date: 17/06/2014 Revision: B  
REF: 8460001-PSO0041-ARP-MAP-009

**Figure 3.2-4a**  
**Potentially Contaminated Land**  
**Index Map**

**Moray Offshore**  
**Renewables Ltd**

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - 6 Registered Waste Treatment Site
  - V Potentially moderate contaminative risk to the Proposed Scheme
  - V Potentially slight/low contaminative risk to the Proposed Scheme
- Potentially Contaminated Sites (as identified by Aberdeenshire Council)**
- Potentially Contaminative Trades**
- STATUS**
- ! Active
  - ! Inactive
- Discharge Consents**
- CLASS**
- J Agricultural Discharge
  - J Sewerage Discharge
  - / BGS Recorded Mineral Sites

Horizontal Scale: 1:25,000 A3 Chart  
 0 625 1,250 Meters

Geodetic Parameters: British National Grid

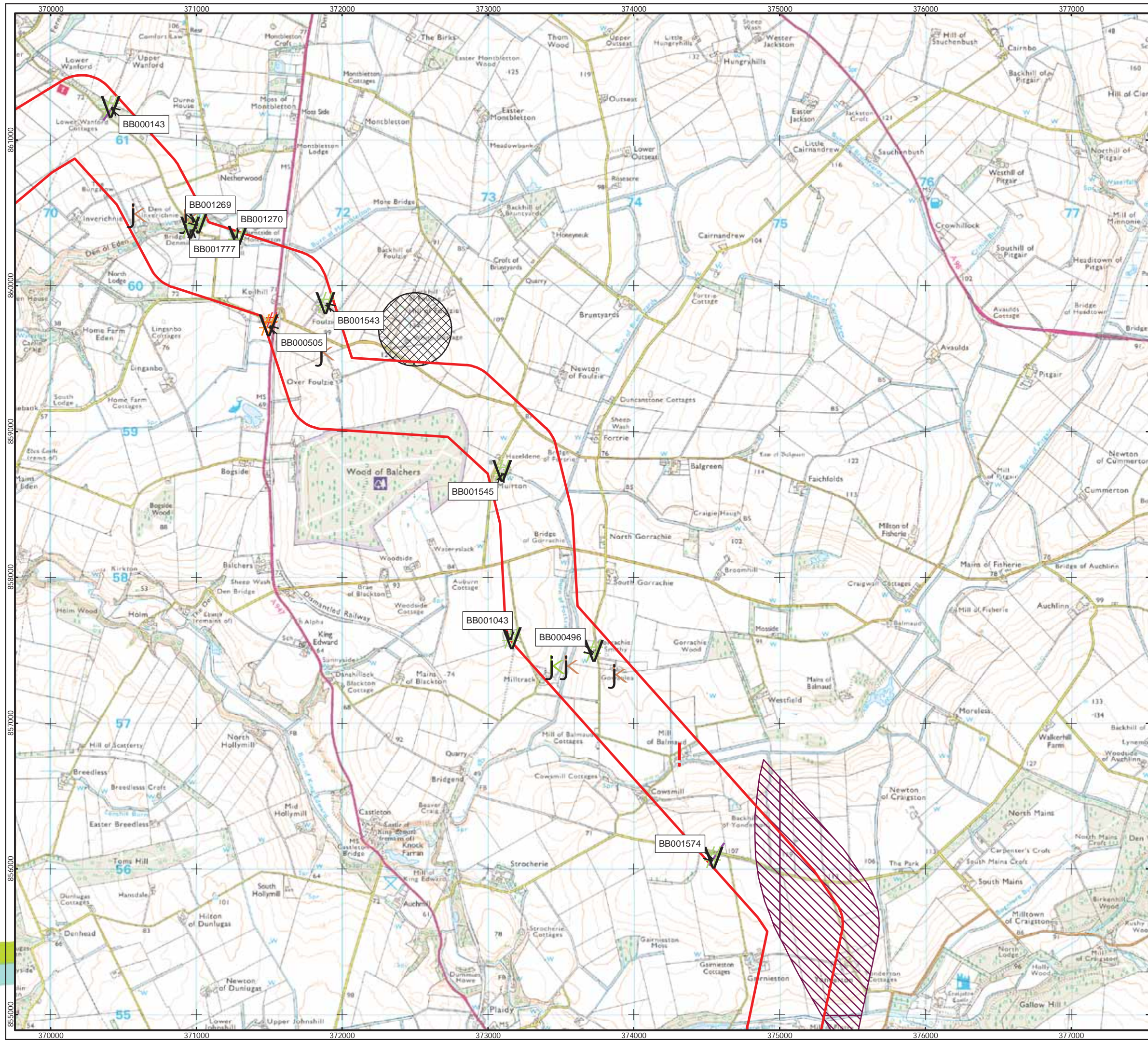
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 23/06/2014 Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-010

**Figure 3.2-4b**  
**Potentially Contaminated Land**

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - # Fuel Stations
  - Potentially Contaminated Sites (as identified by Aberdeenshire Council)**
  - W Potentially moderate contaminative risk to the Proposed Scheme
  - V Potentially slight/low contaminative risk to the Proposed Scheme
  - Potentially Contaminative Trades**
  - STATUS**
  - ! Active
  - Discharge Consents**
  - CLASS**
  - J Agricultural Discharge
  - K Sewerage Discharge
  - / BGS Recorded Mineral Sites
  - Registered Landfill Site**
  - STATUS**
  - Licence lapsed/not applicable
  - Potential Mining Area**
  - Rare: Infrequent minor mining may have occurred but restricted in extent

Horizontal Scale: 1:25,000 A3 Chart

Geodetic Parameters: British National Grid

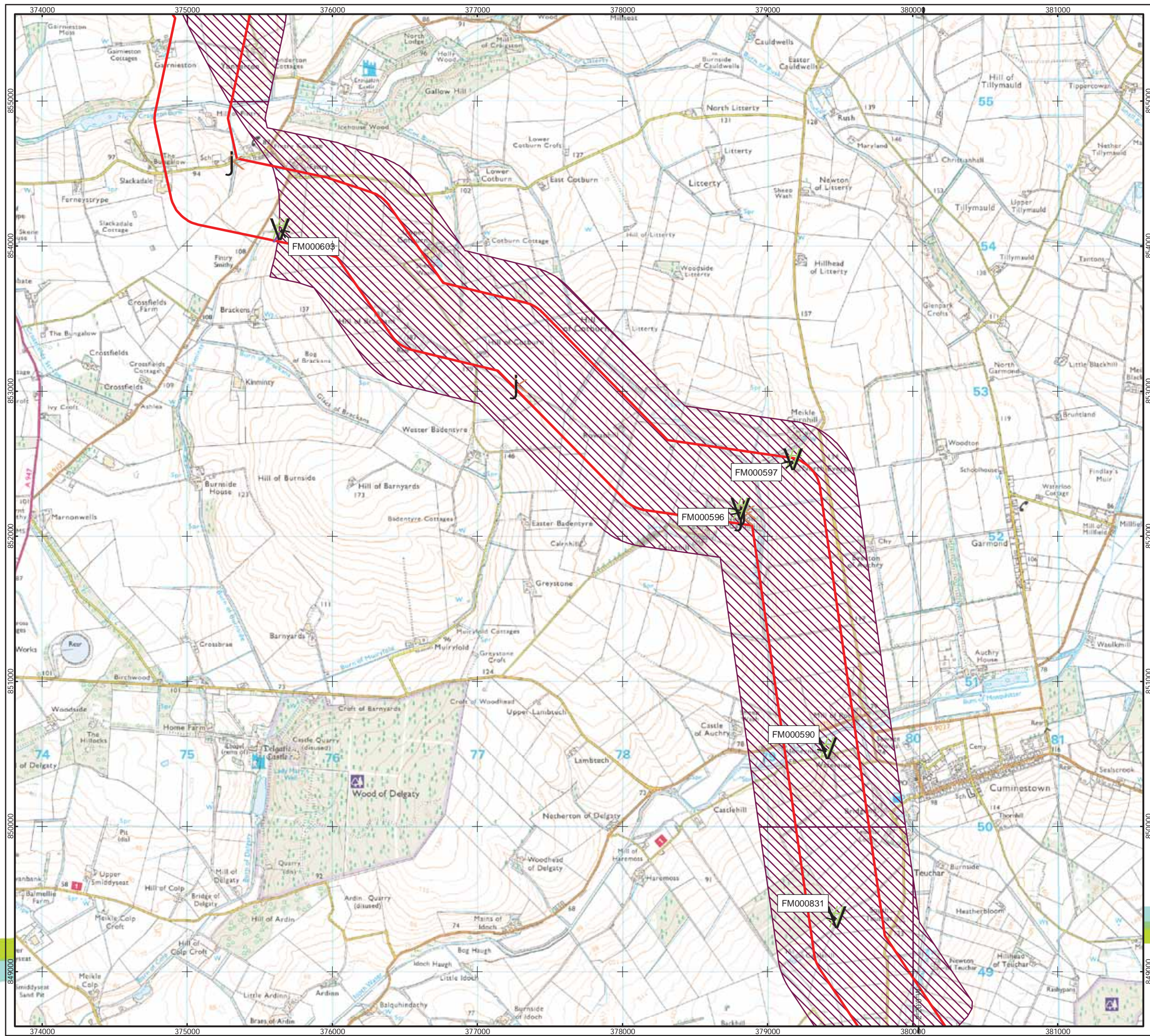
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 23/06/2014 Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-011

**Figure 3.2-4c**  
**Potentially Contaminated Land**

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Potentially Contaminated Sites (as identified by Aberdeenshire Council)**
  - V Potentially slight/low contaminative risk to the Proposed Scheme
  - Discharge Consents**
  - CLASS**
  - J Sewerage Discharge
  - / BGS Recorded Mineral Sites
  - Potential Mining Area**
  - / / / / / Rare: Infrequent minor mining may have occurred but restricted in extent

Horizontal Scale: 1:25,000 A3 Chart  
  
 0 625 1,250 Meters

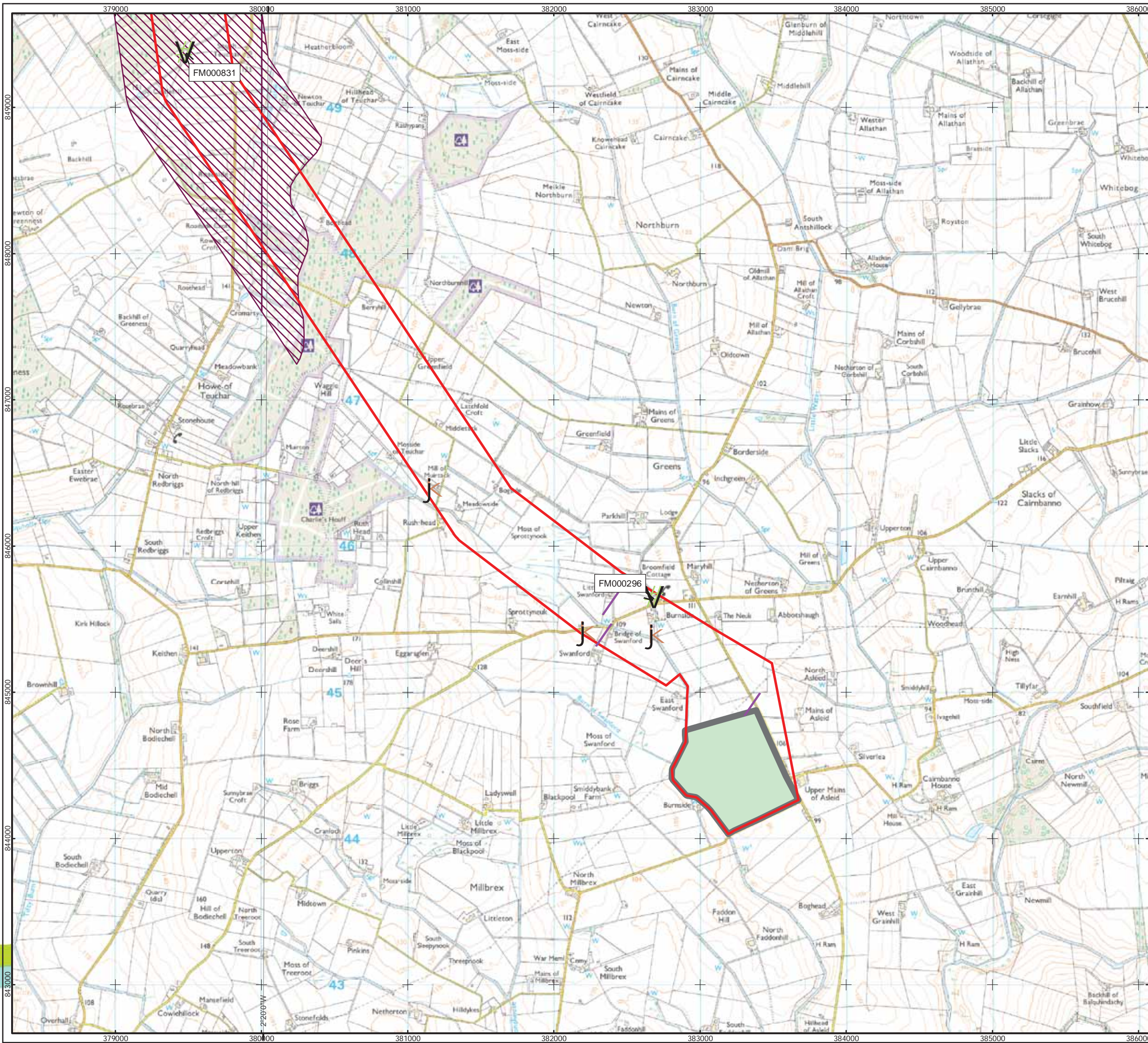
Geodetic Parameters: British National Grid

Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 23/06/2014 Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-012

**Figure 3.2-4d**  
**Potentially Contaminated Land**

Moray Offshore  
 Renewables Ltd



**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - Potentially Contaminated Sites (as identified by Aberdeenshire Council)**
  - V Potentially slight/low contaminative risk to the Proposed Scheme
  - Discharge Consents**
  - CLASS**
  - J Sewerage Discharge
  - / BGS Recorded Mineral Sites
  - Potential Mining Area**
  - Rare: Infrequent minor mining may have occurred but restricted in extent

Horizontal Scale: 1:25,000 A3 Chart

Geodetic Parameters: British National Grid

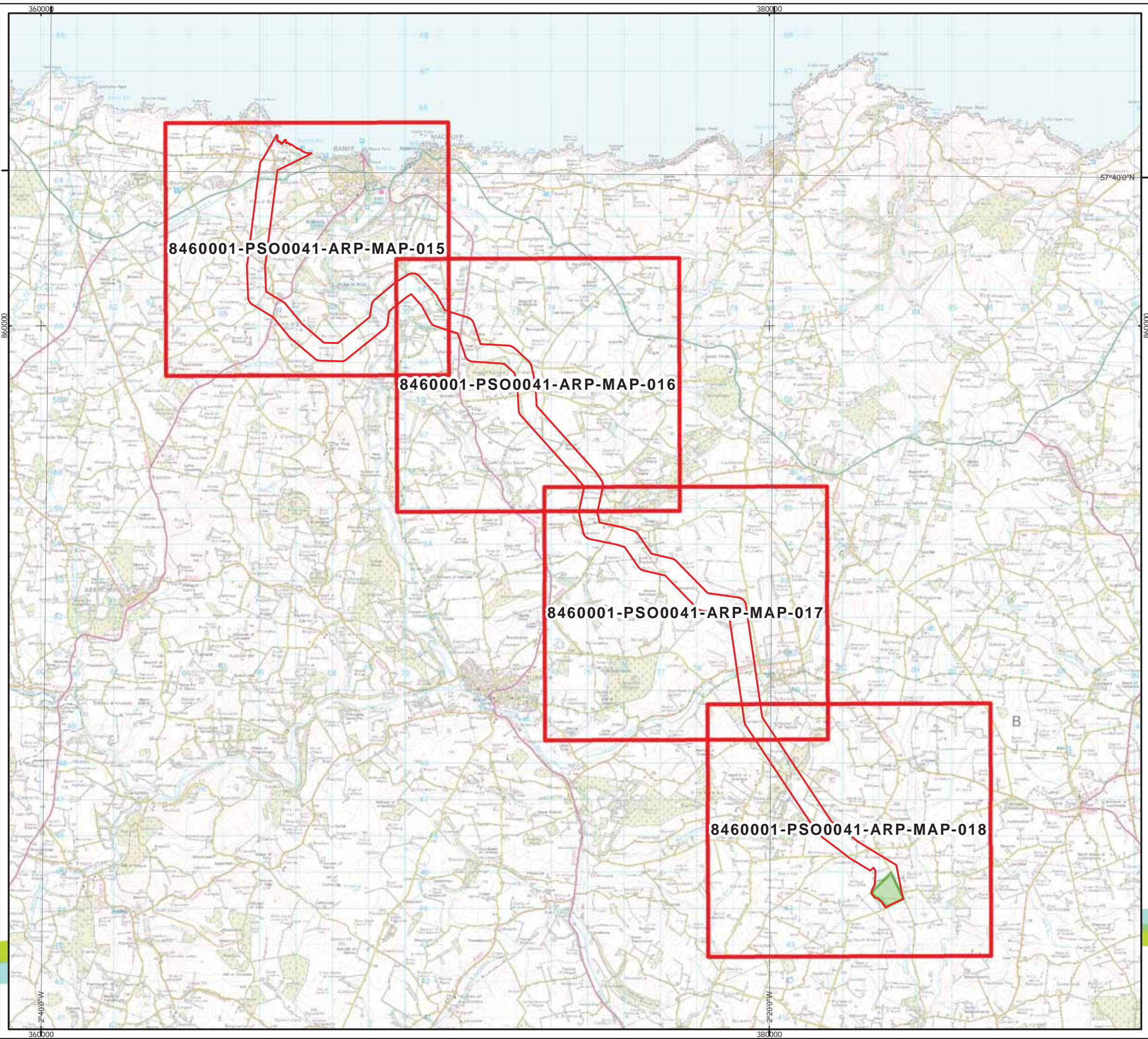
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 Reviewed: ES  
 Approved: AH

Date: 23/06/2014 Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-013



**Figure 3.2-4e**  
**Potentially Contaminated Land**

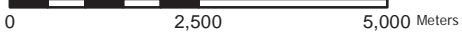
Moray Offshore  
 Renewables Ltd





**Moray Offshore Renewables Ltd**

- KEY**
-  Modified OnTI
  -  Proposed Substation Area

Horizontal Scale: 1:100,000      A3 Chart  


Geodetic Parameters:      British National Grid

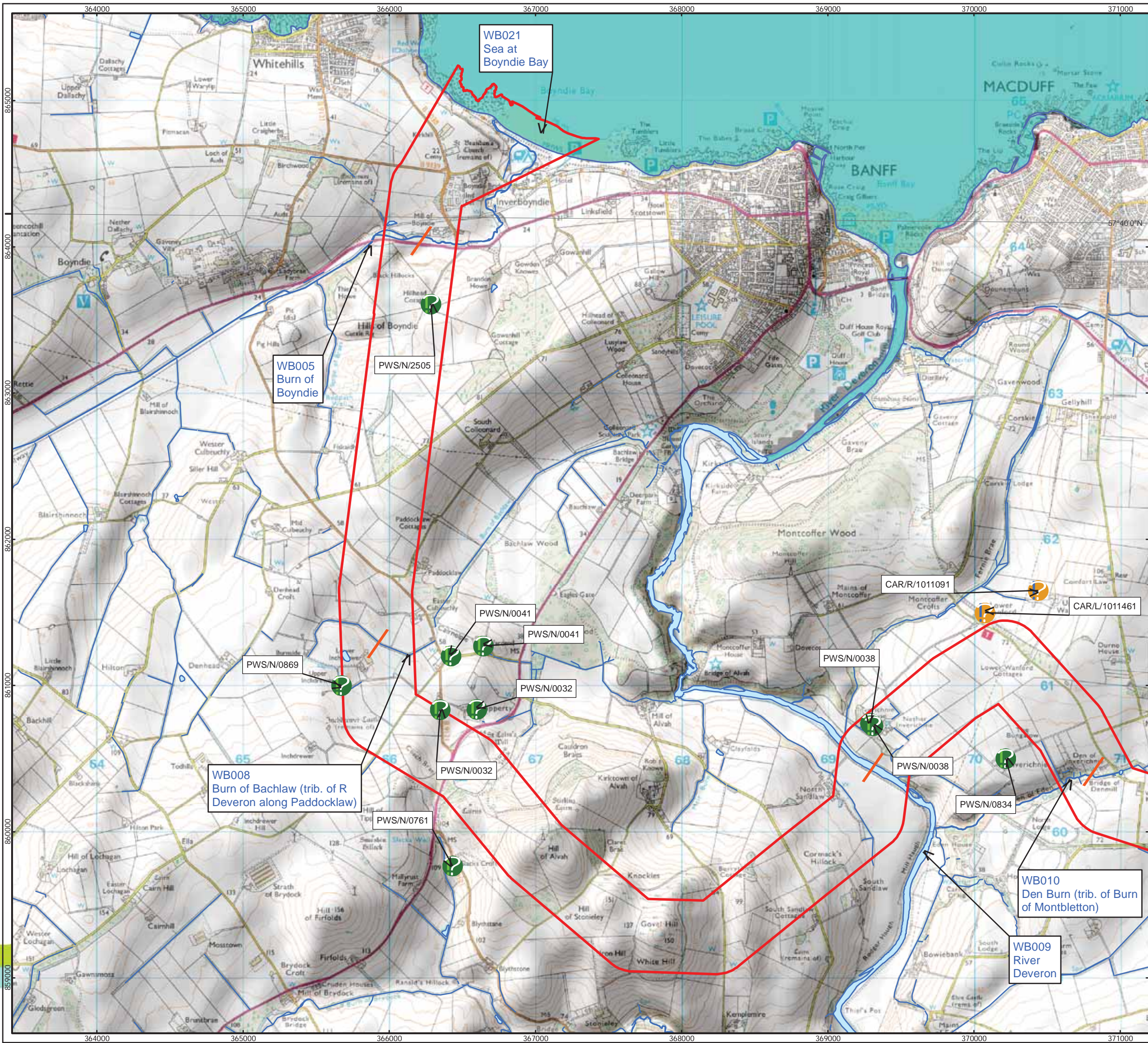
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Reviewed: ES  
Approved: AH

Date: 17/06/2014      Revision: B  
REF: 8460001-PSO0041-ARP-MAP-014

**Figure 3.2-5a**  
**Hydrology Index Map**

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**Renewables Ltd**

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - / River Crossings
  - ? Private Water Supplies
  - ? Other Water Supplies
  - Tidal Water
  - Surface Watercourses & Waterbodies
  - ? CAR Licensed Surface Water and Groundwater Abstractions

Horizontal Scale: 1:25,000      A3 Chart  
 0      630      1,260 Meters

Geodetic Parameters:      British National Grid

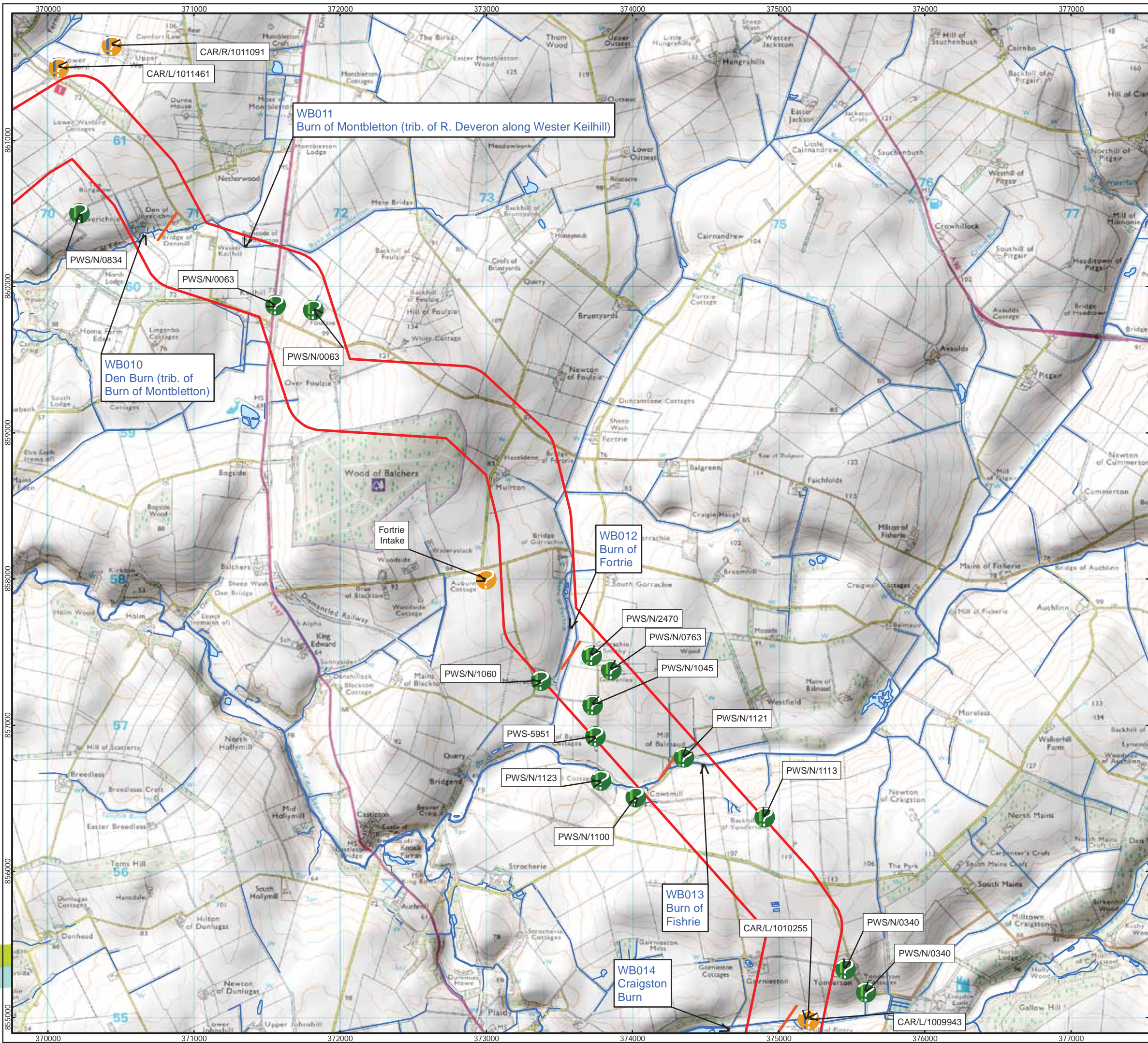
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 23/06/2014      Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-015

**Figure 3.2-5b**  
 Hydrology

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### Moray Offshore Renewables Ltd

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - River Crossings
  - Private Water Supplies
  - Other Water Supplies
  - Tidal Water
  - Surface Watercourses & Waterbodies
  - CAR Licensed Surface Water and Groundwater Abstractions

Horizontal Scale: 1:25,000 A3 Chart  
0 630 1,260 Meters

Geodetic Parameters: British National Grid

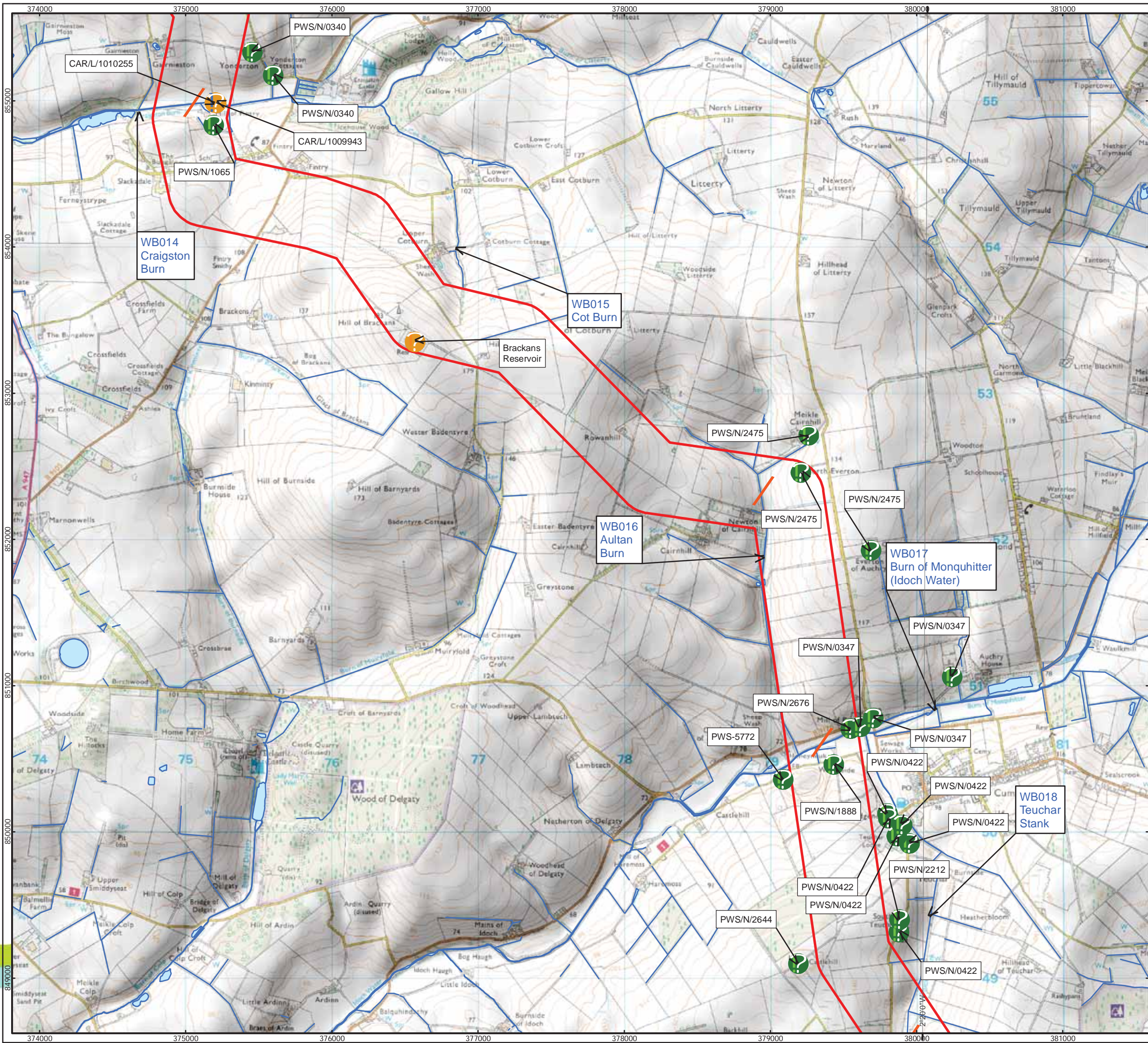
Produced: GP  
Reviewed: ES  
Approved: AH

Date: 23/06/2014 Revision: D  
REF: 8460001-PSO0041-ARP-MAP-016

Figure 3.2-5c  
Hydrology

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - / River Crossings
  - ? Private Water Supplies
  - ? Other Water Supplies
  - Tidal Water
  - Surface Watercourses & Waterbodies
  - ? CAR Licensed Surface Water and Groundwater Abstractions

Horizontal Scale: 1:25,000      A3 Chart  
 0      630      1,260 Meters

Geodetic Parameters:      British National Grid

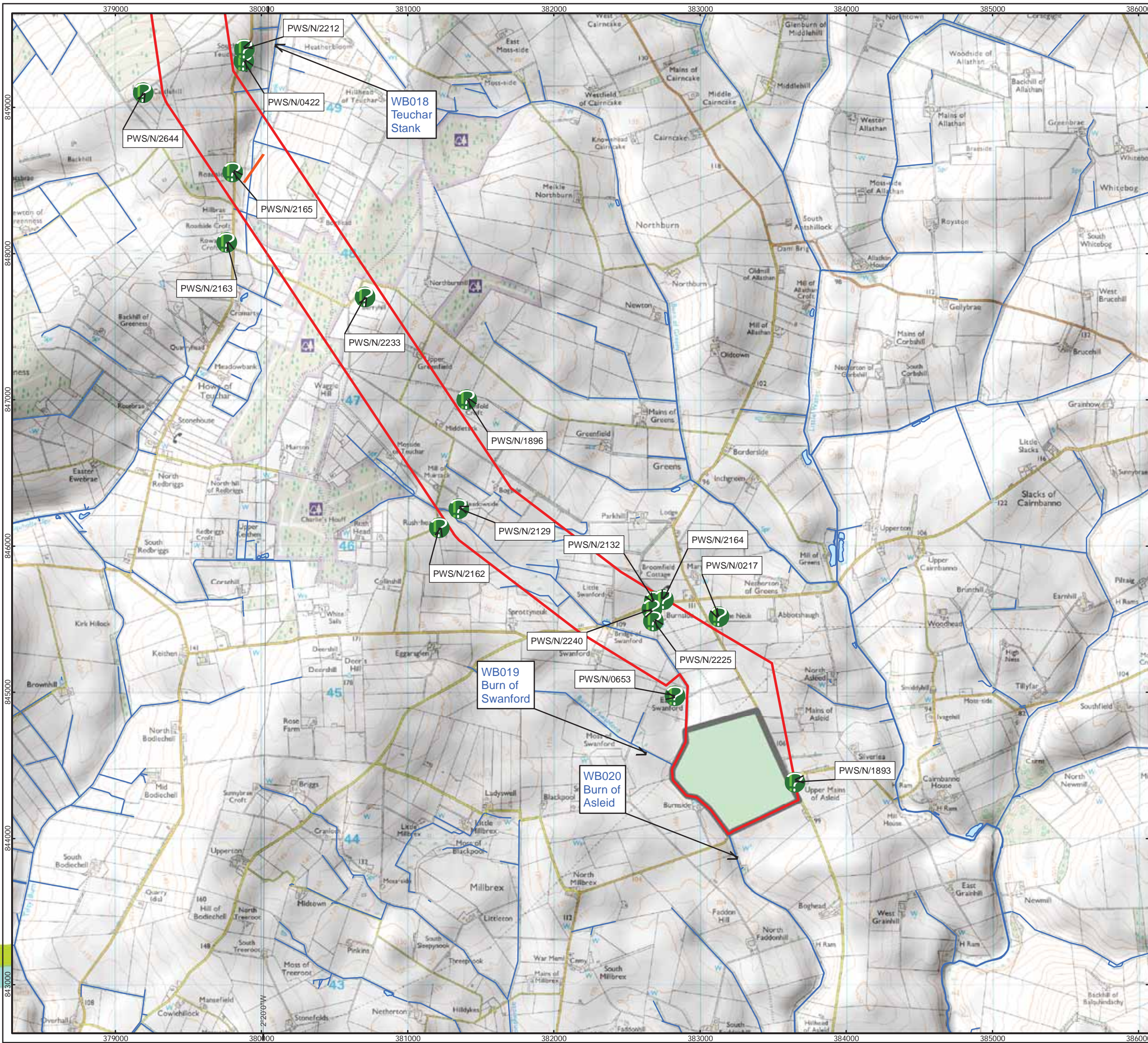
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 23/06/2014      Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-017

**Figure 3.2-5d**  
 Hydrology

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**Moray Offshore Renewables Ltd**

- KEY**
- Modified OnTI
  - Proposed Substation Area
  - / River Crossings
  - ? Private Water Supplies
  - ? Other Water Supplies
  - Tidal Water
  - Surface Watercourses & Waterbodies
  - ? CAR Licensed Surface Water and Groundwater Abstractions

Horizontal Scale: 1:25,000 A3 Chart

Geodetic Parameters: British National Grid

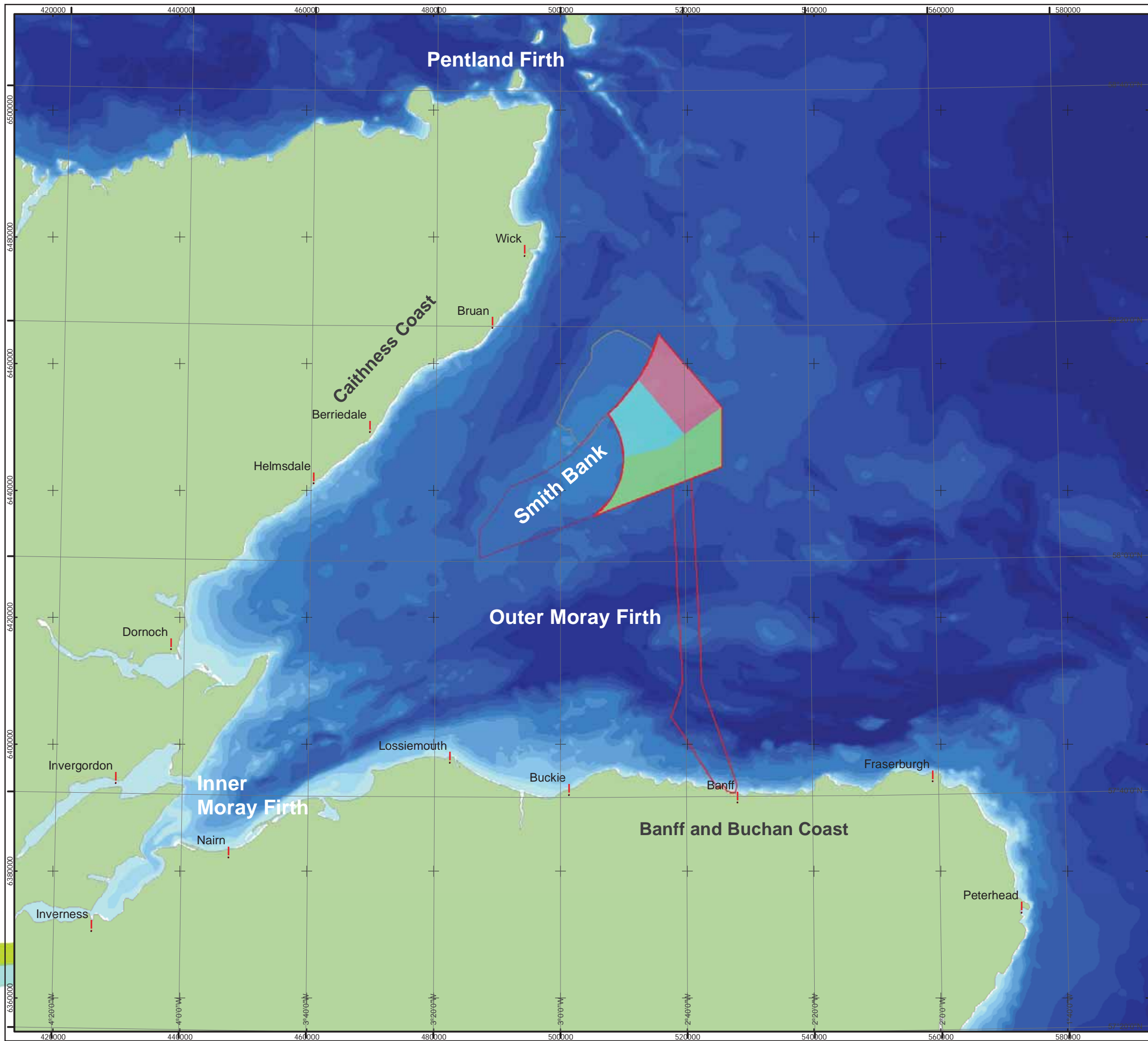
Produced: GP  
 Reviewed: ES  
 Approved: AH

Date: 23/06/2014 Revision: D  
 REF: 8460001-PSO0041-ARP-MAP-018

**Figure 3.2-5e**  
 Hydrology

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**Moray Offshore Renewables Ltd**

**KEY**

- Modified Offshore Transmission Infrastructure
- MacColl Offshore Wind Farm
- Stevenson Offshore Wind Farm
- Telford Offshore Wind Farm
- MORL Western Development Area
- Beatrice Offshore Wind Farm
- ! Place names

**Depth, m (MSL)**

- < -100
- 99 - -80
- 79 - -70
- 69 - -60
- 59 - -50
- 49 - -40
- 39 - -30
- 29 - -25
- 24 - -20
- 19 - -16
- 15 - -10
- 9 - -6
- 5 - 0

Horizontal Scale: 1:575,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

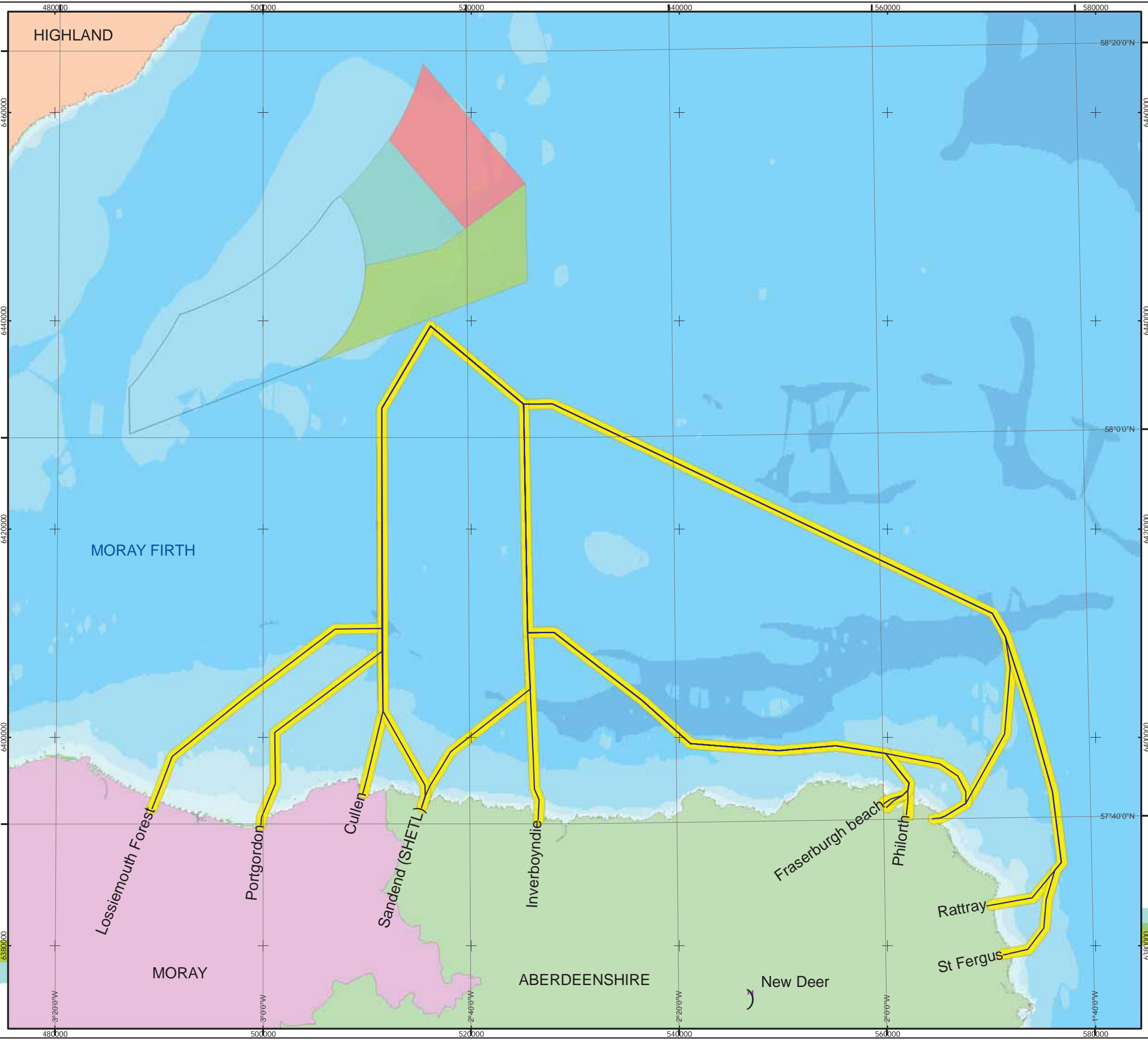
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 Reviewed: ES  
 Approved: PL

Date: 16/06/2014 Revision: A  
 REF: 8460001-PPW0201-ABP-MAP-001

**Figure 3.1-1 The Study Area**

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 Renewables Ltd

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**Moray Offshore Renewables Ltd**

**KEY**

- Grid Connection Interface Point
- METOC-Hyder Offshore Cable Route Initial Options
- MacColl
- Stevenson
- Telford
- Western Development Area
- METOC-Hyder Offshore Cable Route Corridor

**Bathymetry (m)**

- >10000
- <=10000
- <=5000
- <=1000
- <=500
- <=100
- <=50
- <=20
- <=10
- >=0

Horizontal Scale: 1:350,000      A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

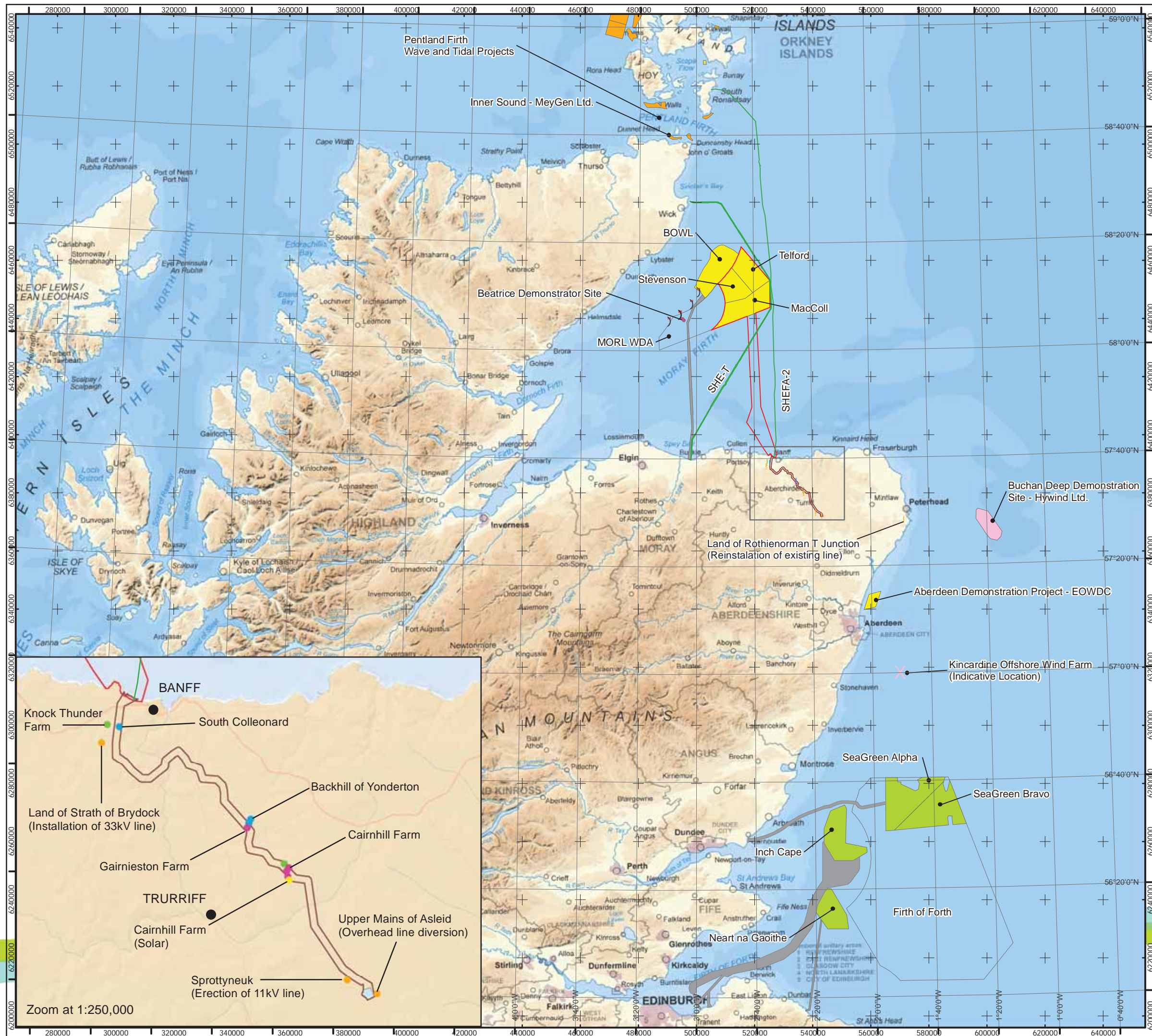
Produced: ES  
 Reviewed: PM  
 Approved: SP

Date: 26/06/2014      Revision: A  
 REF: 8460001-PSO0240-MOR-MAP-007

**Figure 2.1-1**  
**Metoc-Hyder Offshore**  
**Export Cable Corridor Study**

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**Renewables Ltd**

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**Moray Offshore Renewables Ltd**

**KEY**

**Onshore Projects**

- Overhead Lines (grid reference point)
- Solar Farms
- Operational Wind Turbines
- Consented Wind Turbines
- Application Wind Turbines
- MORL Modified Onshore Transmission Infrastructure
- Substation Area

**Offshore Projects**

- Beatrice and Jacky Platforms
- Cables
- Wave and Tidal Energy
- Offshore Wind Farms**
- MORL Modified Offshore Transmission Infrastructure
- In Operation
- Consented
- Application
- Pre-planning application
- Area of Search
- Export Cable Route

Horizontal Scale: 1:1,250,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

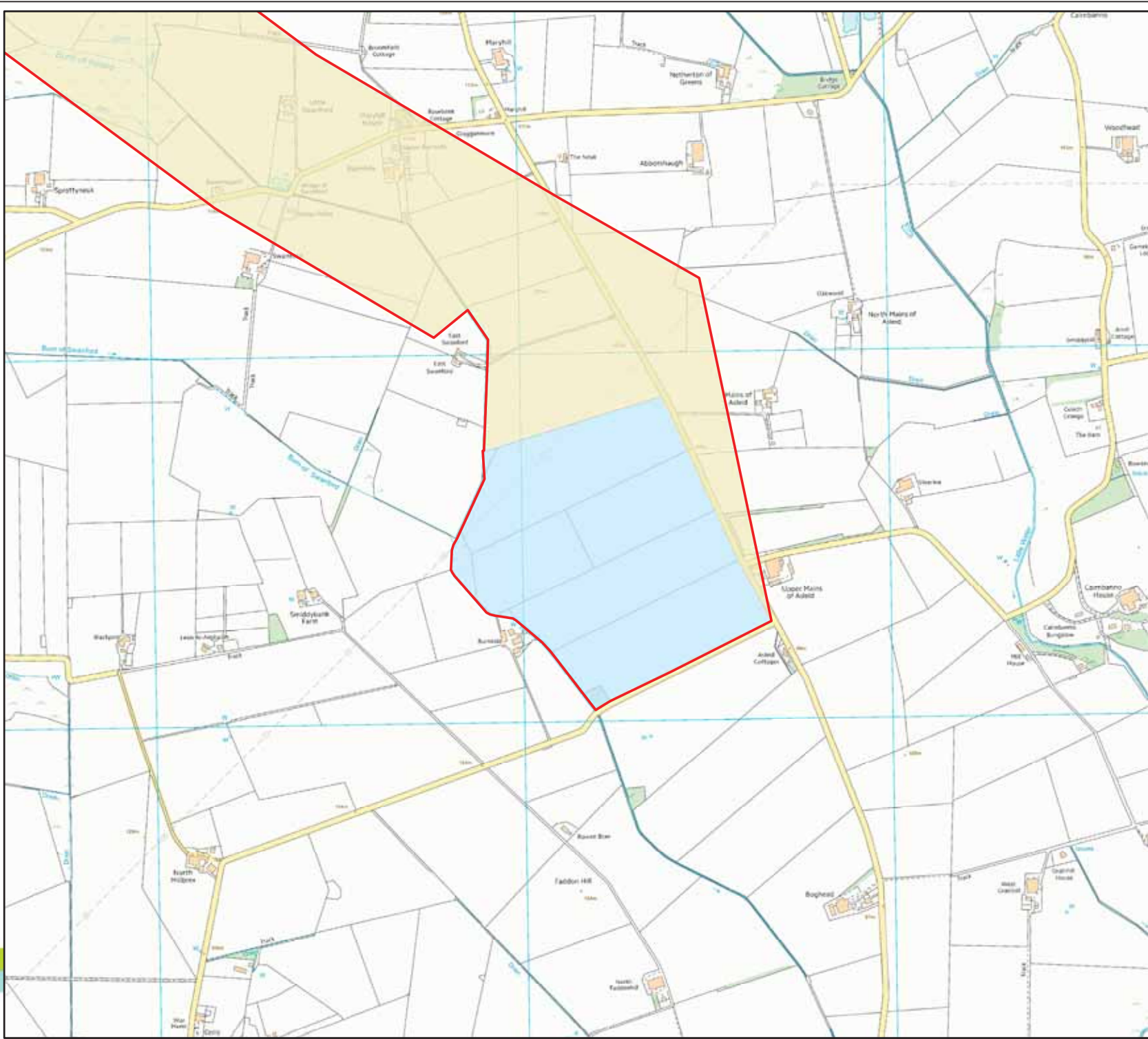
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 Reviewed: PM  
 Approved: SP

Date: 28/06/2014 Revision: A  
 REF: 8460001-PSO0240-MOR-MAP-008

**Figure 1.3-1**  
**Projects Included in Cummulative**  
**Impact Assessment**




**Moray Offshore**  
**Renewables Ltd**

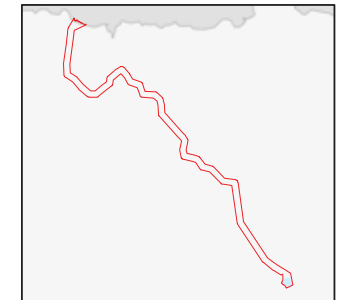




**Moray Offshore Renewables Ltd**

**KEY**

-  Modified Onshore Transmission Infrastructure
-  Modified Onshore Export Cable Route Corridor
-  Onshore Substation Area



Horizontal Scale: 1:10,000 A3 Chart  
 0 250 500 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: ES  
 Reviewed: PM  
 Approved: SP

Date: 26/06/2014 Revision: A  
 REF: 8460001-PSO0240-MOR-MAP-006

**Figure 1.1-6 MORL Onshore Substation Location**

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