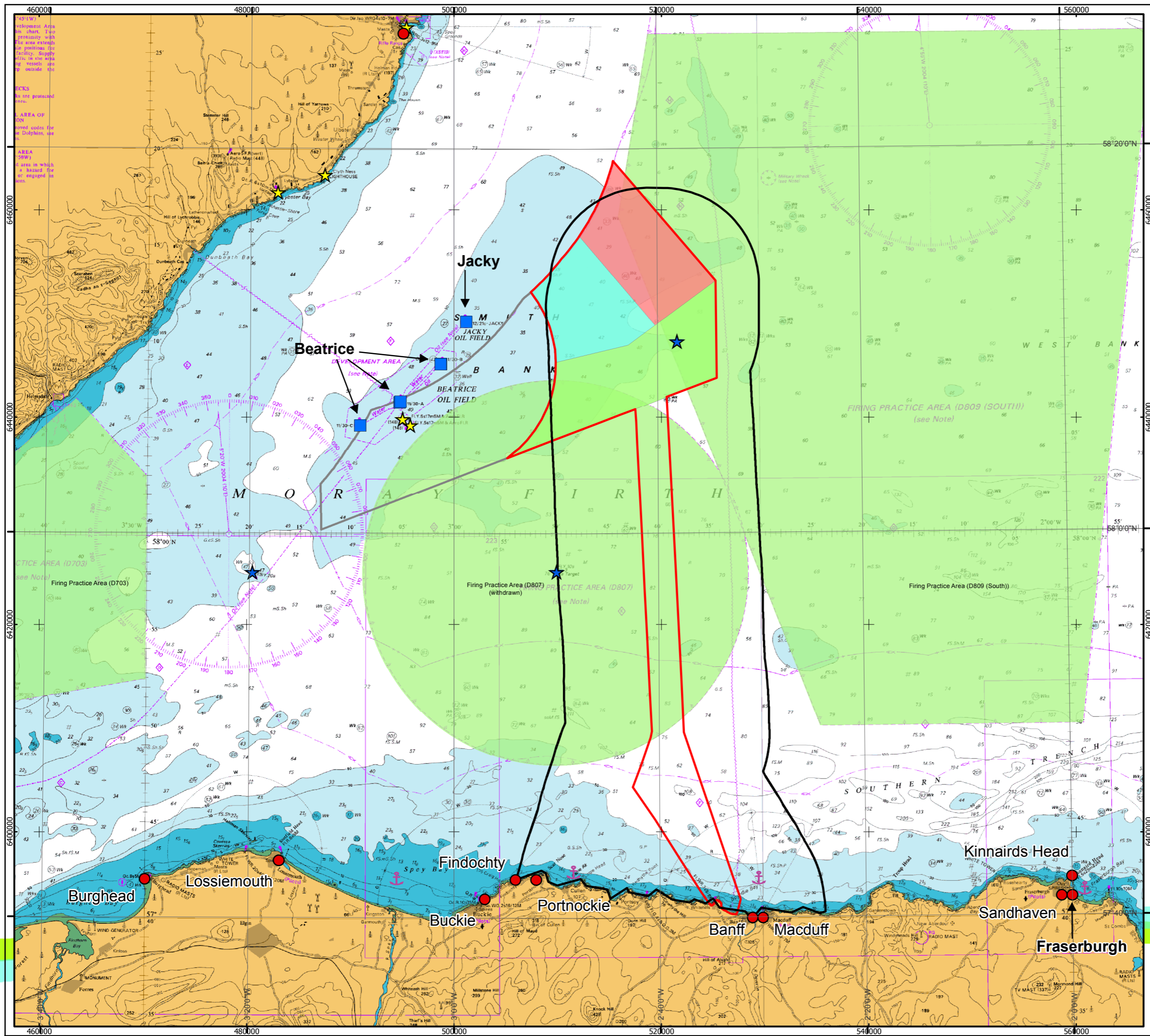















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Moray Offshore Renewables Ltd

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

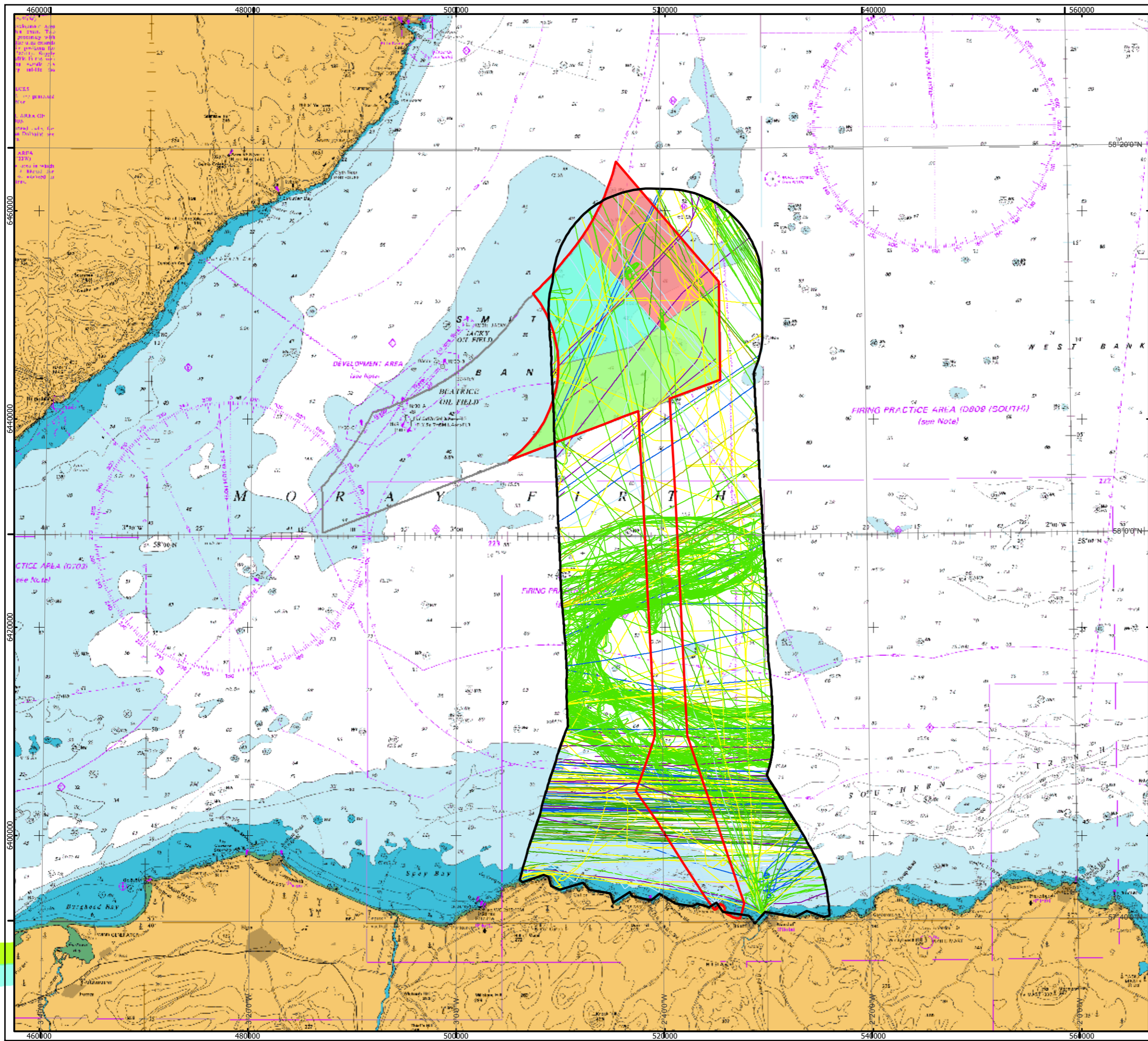
Produced: LM
 Reviewed: ES
 Approved: AH

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
 0 8,700 17,400 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

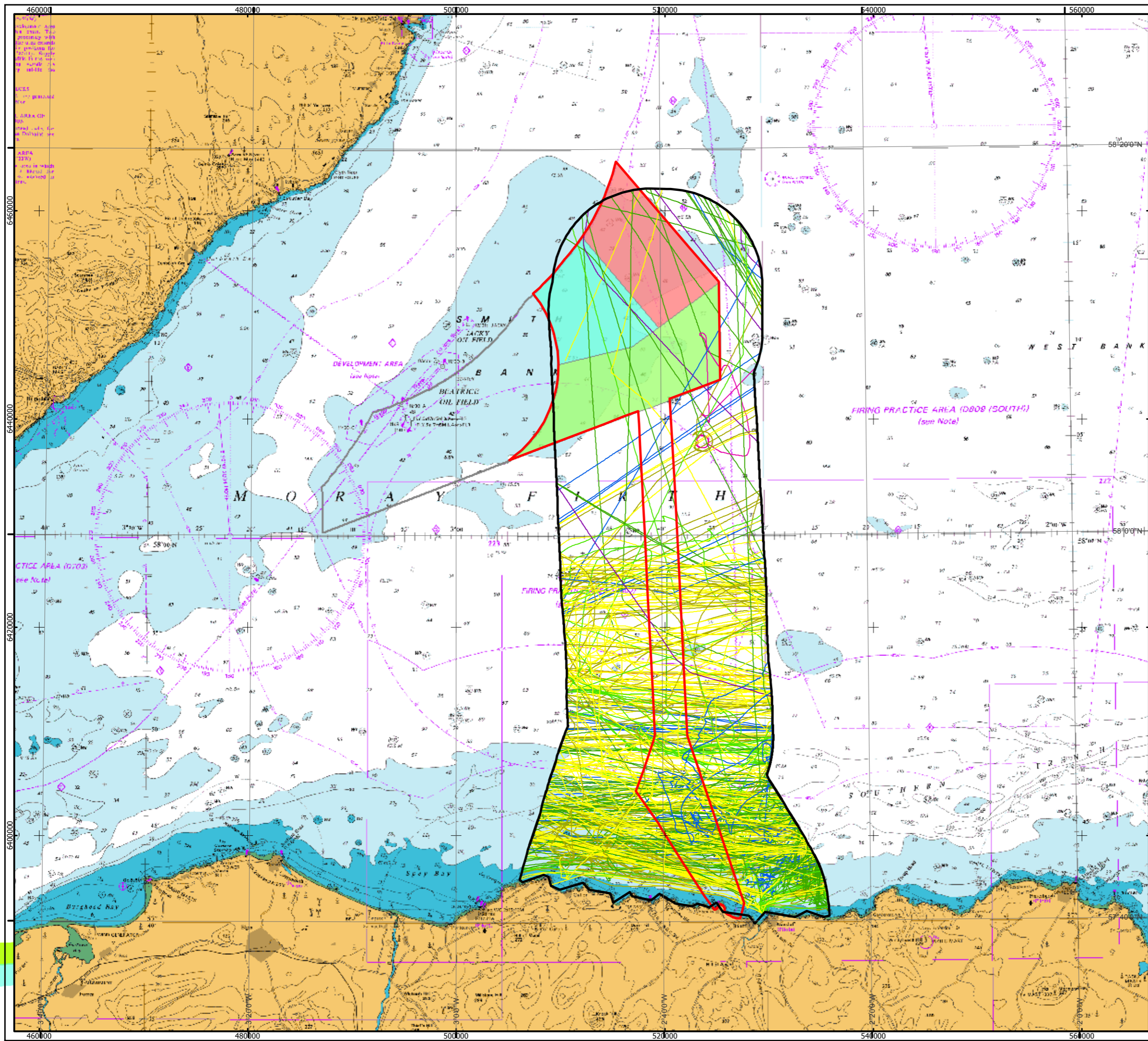
Produced: LM
 Reviewed: ES
 Approved: AH

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

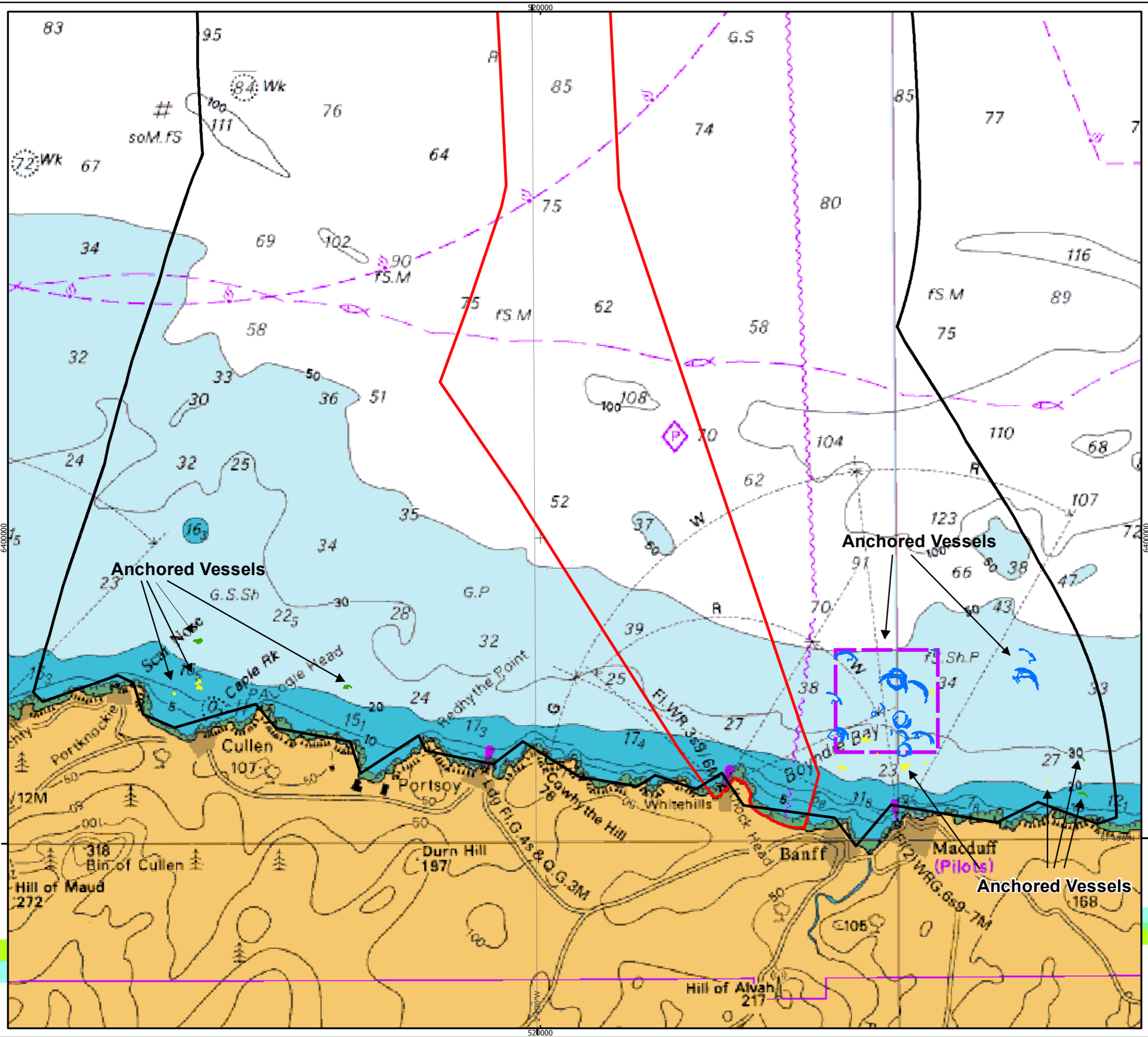
Produced: LM
 Reviewed: ES
 Approved: AH

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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- KEY**
- Ship Type**
- Cargo
 - Tanker
 - 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

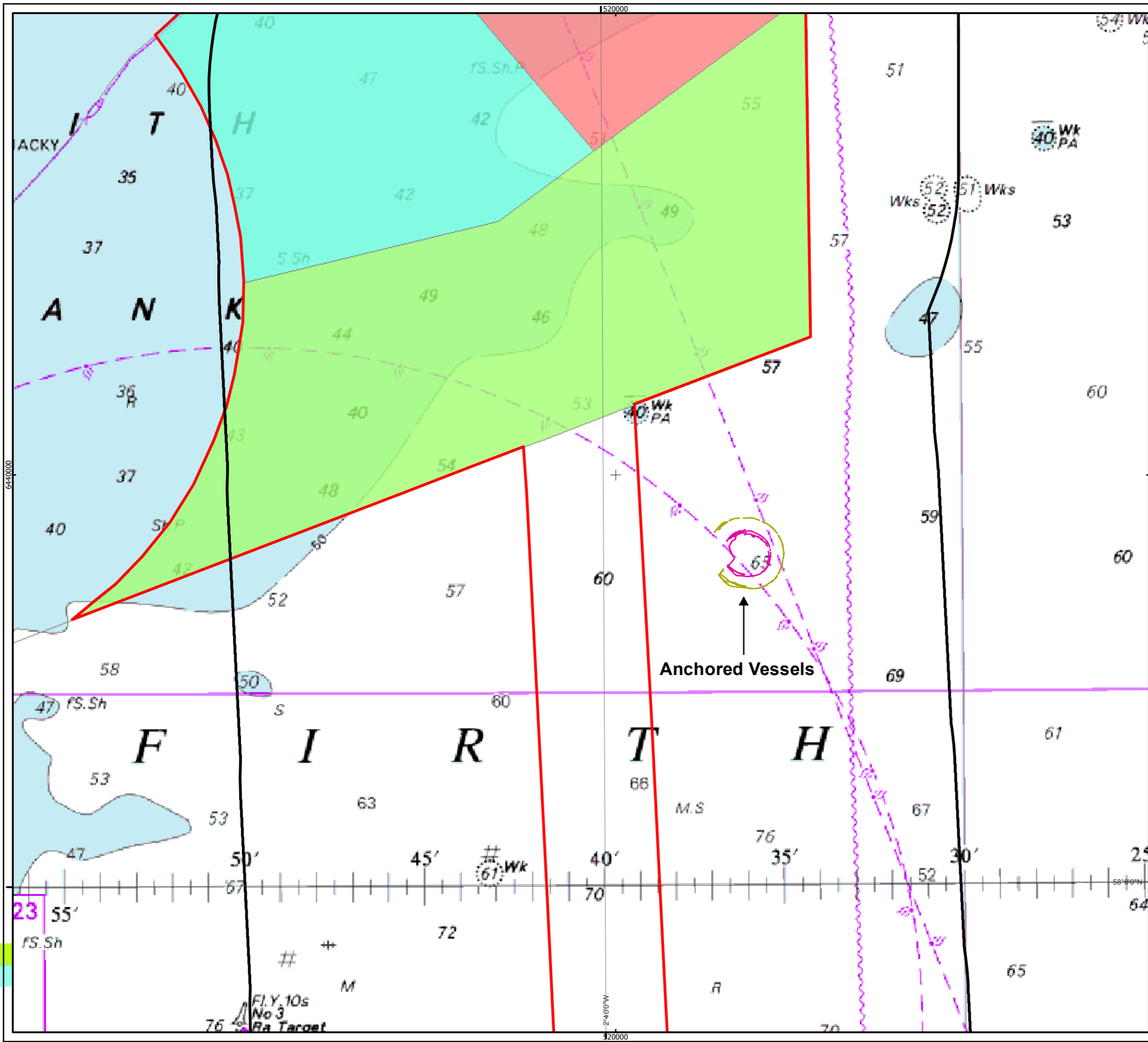
Produced: LM
 Reviewed: ES
 Approved: AH

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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KEY

Ship Type

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

Horizontal Scale: 1:100,000 A3 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

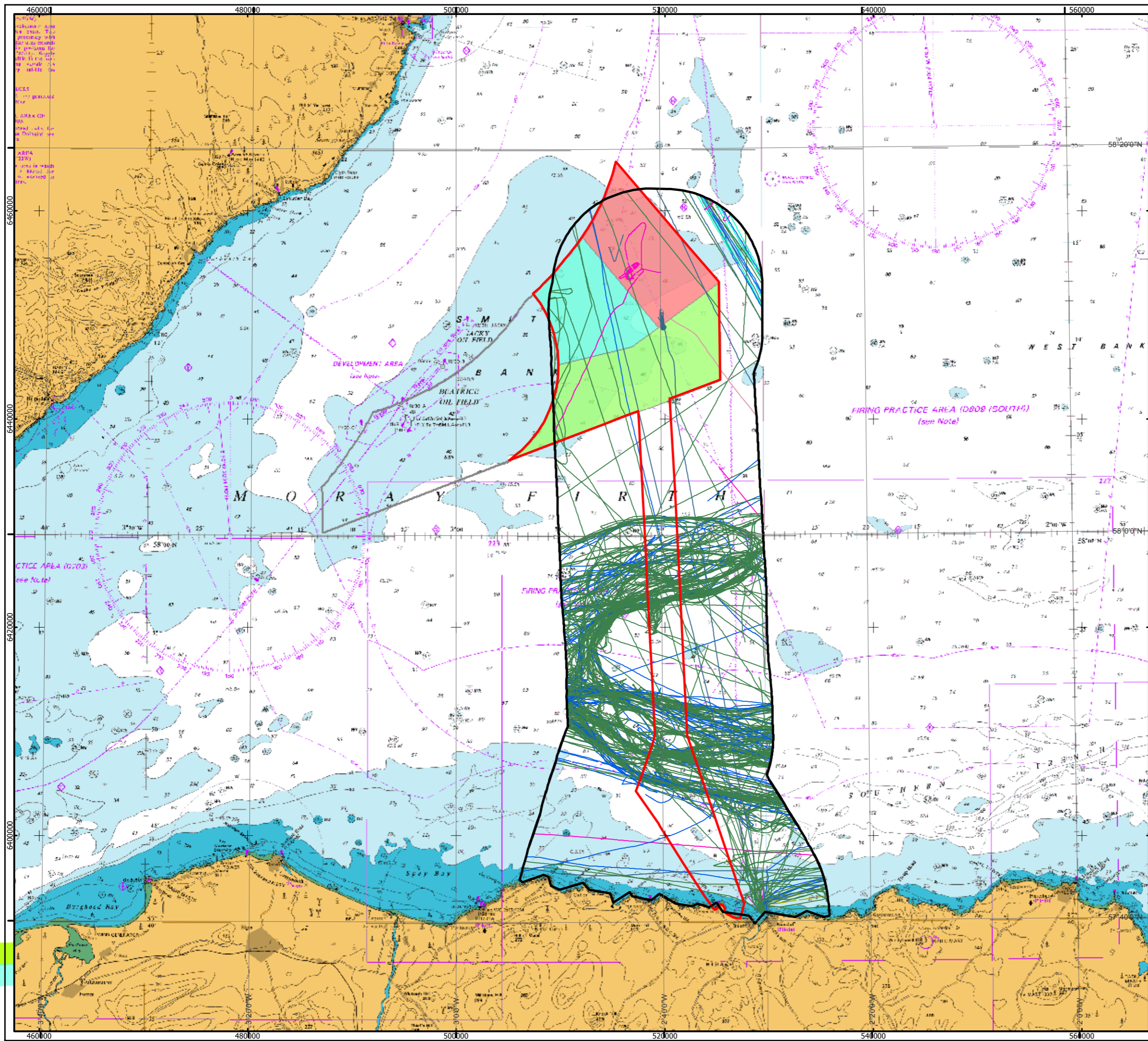
Produced: LM
 Reviewed: ES
 Approved: AH

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

Geodetic Parameters: WGS84 UTM Zone 30N

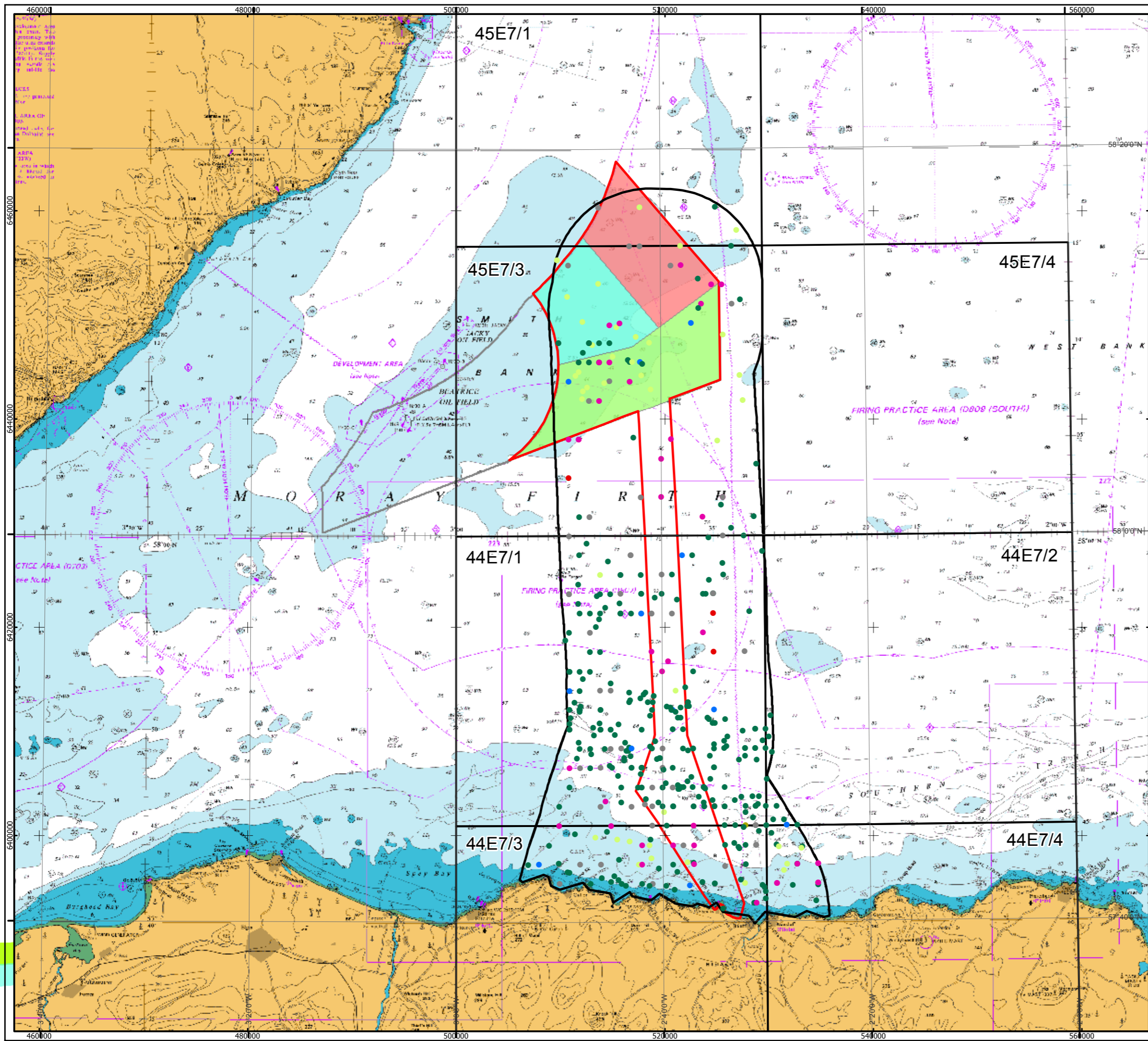
Produced: LM
 Reviewed: ES
 Approved: AH

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

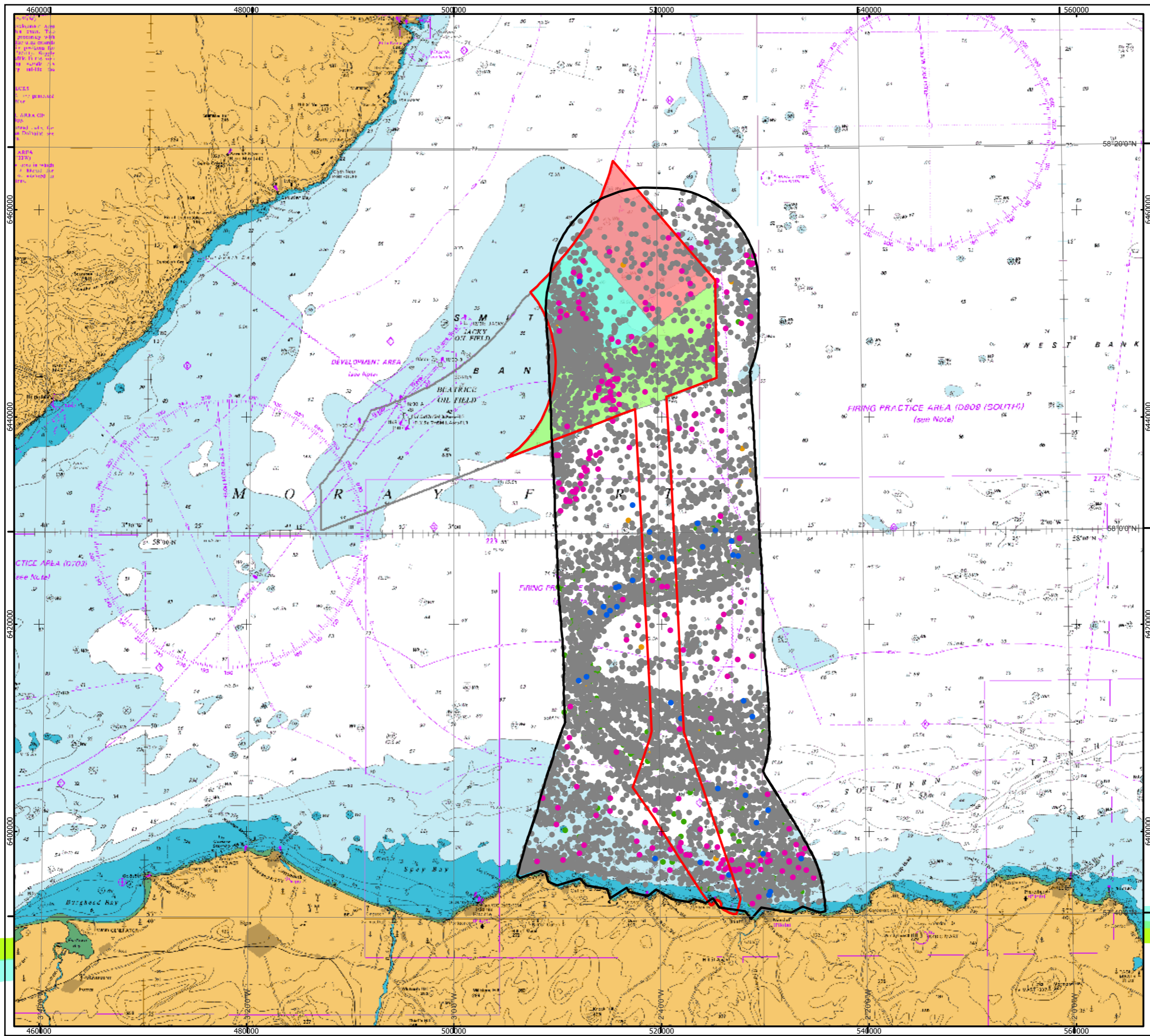
Produced: LM
 Reviewed: ES
 Approved: AH

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

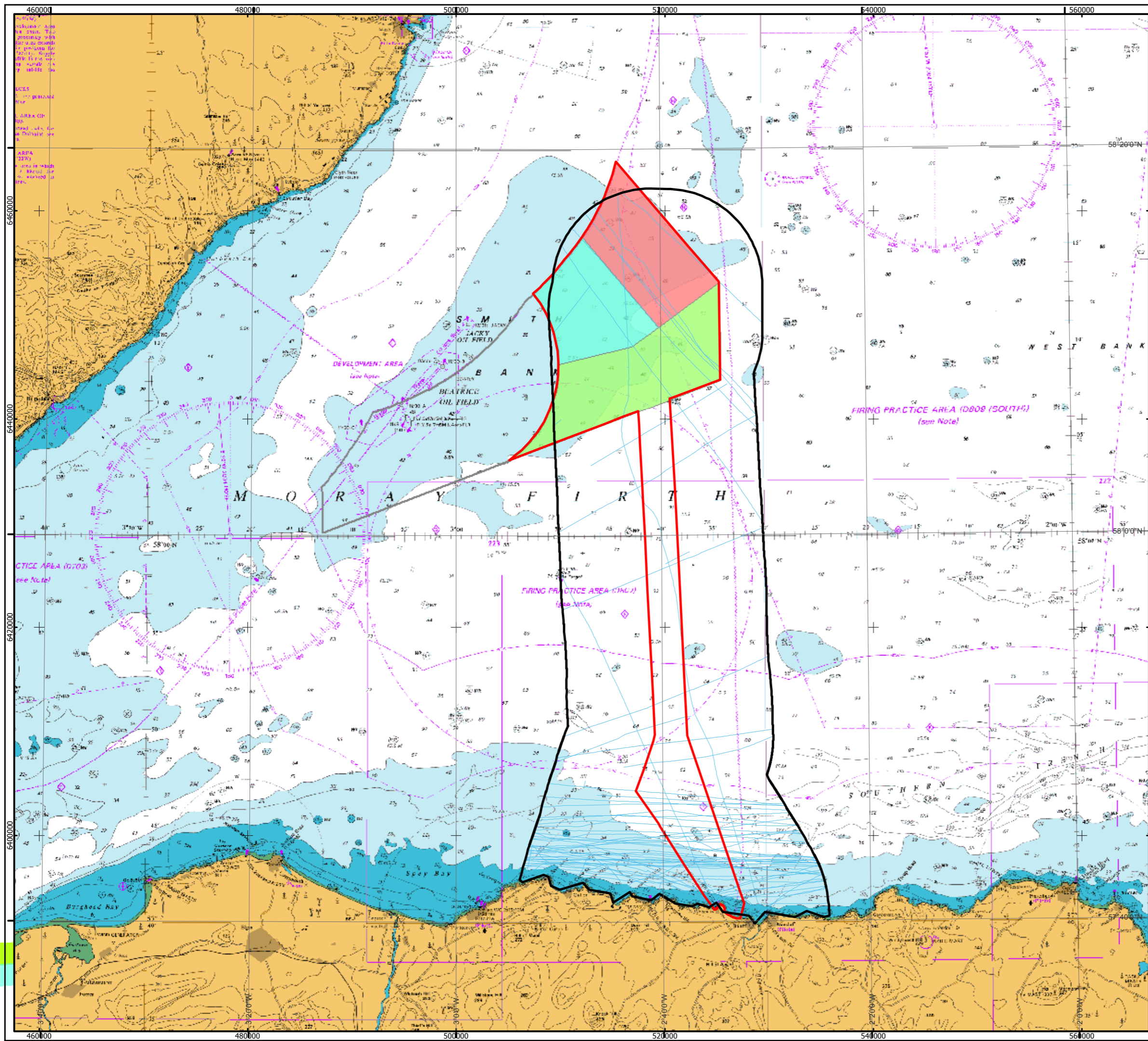
Produced: LM
 Reviewed: ES
 Approved: AH

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

Geodetic Parameters: WGS84 UTM Zone 30N

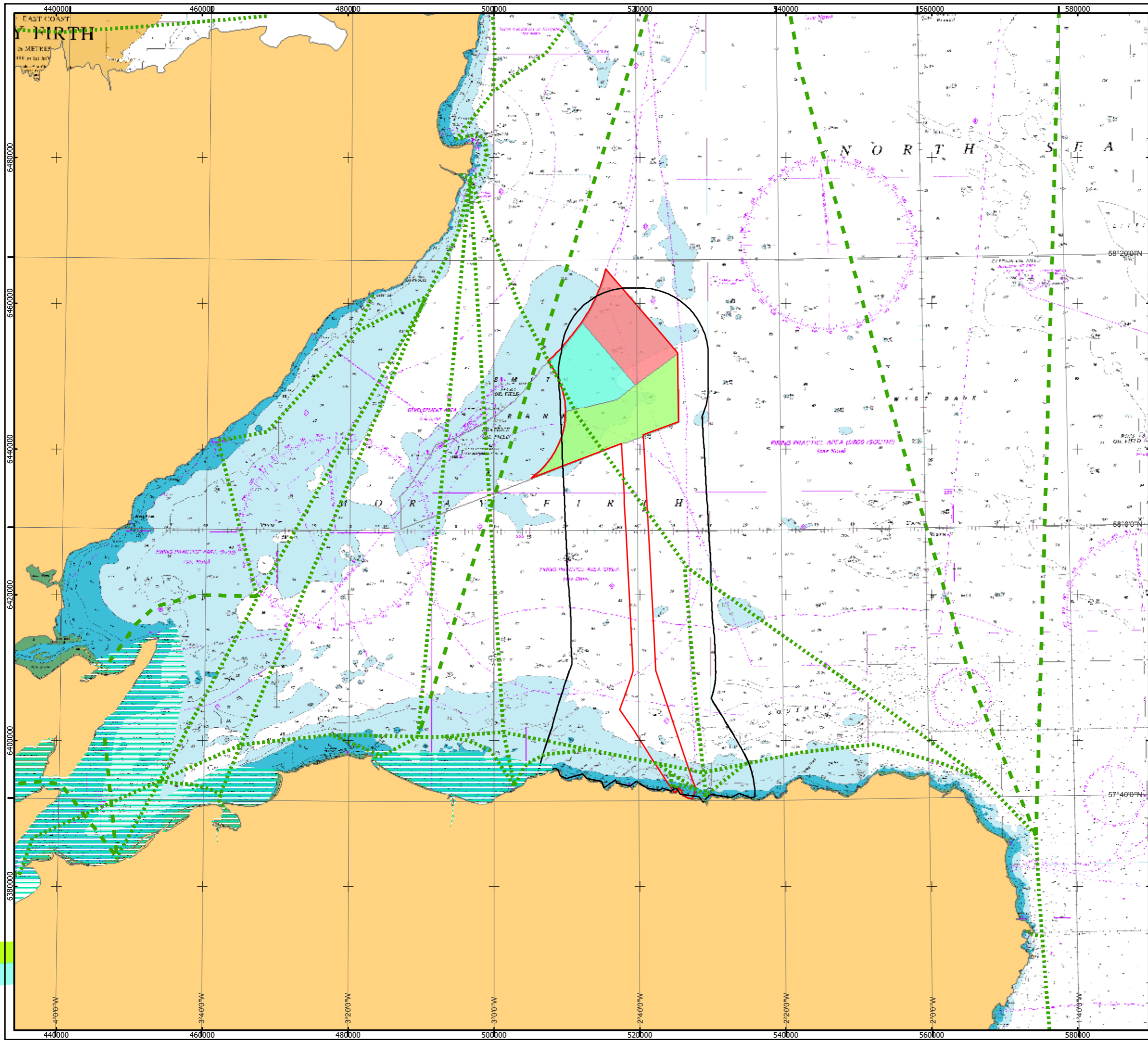
Produced: LM
 Reviewed: ES
 Approved: AH

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
 0 12,500 25,000 Meters

Geodetic Parameters: WGS84 UTM Zone 30N

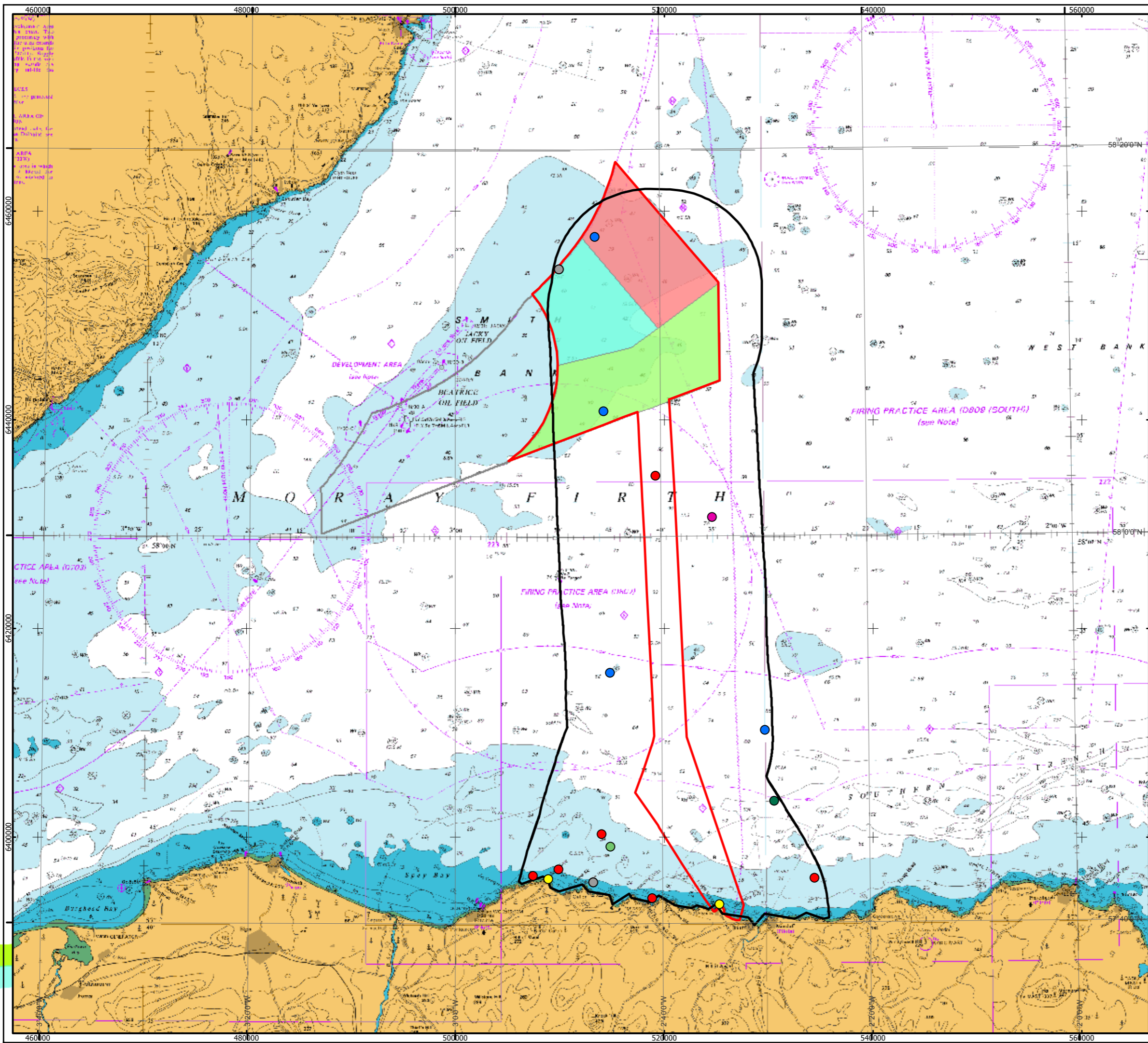
Produced: LM
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 Approved: AH

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

Figure 5.2-10 RYA Coastal Atlas in Moray Firth

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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

Geodetic Parameters: WGS84 UTM Zone 30N

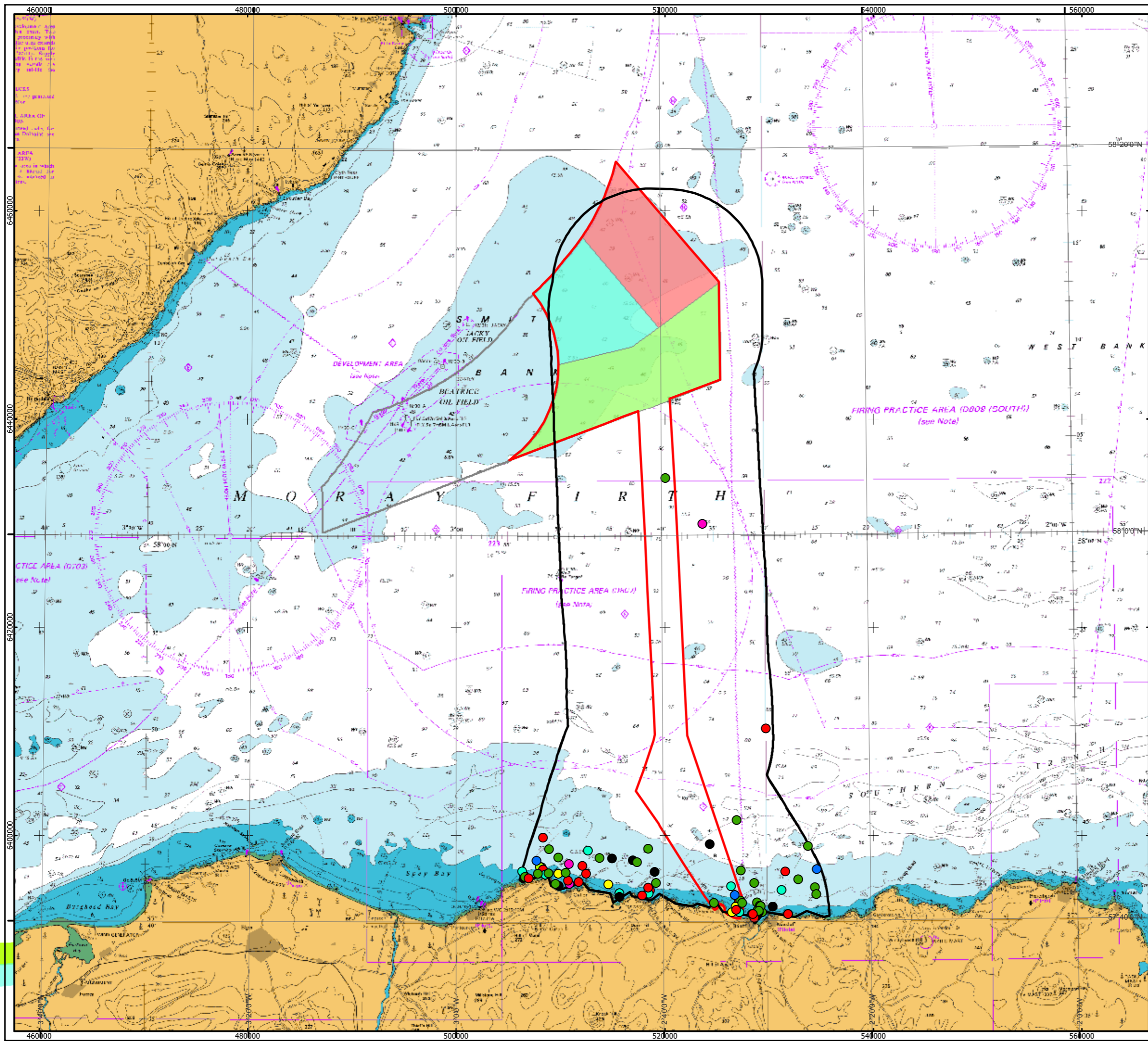
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Date: 19/06/2014 Revision: A
 REF: 8460001-PSO0178-ANA-MAP-011

Figure 5.2-11
MAIB Incidents (2003 - 2012)

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- 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 N

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: LM
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Figure 5.2-12
RNLI Incidents by Cause