

SEA-PT 2017



Irish Coast Guard - Garda C6sta na hEireann



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GARDA C6STA na hEIREANN

Dave Mc Myler

Pollution and Ship Casualty

Irish Coast Guard



Department of Transport
An Roinn Iompair



Economic health of the State depends on Shipping as a Safe form of transport



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- Introduction
- Brief on Irish Coast Guard
- Incidents
- Q n A



Photo: Ian Vickery

Maritime Casualty



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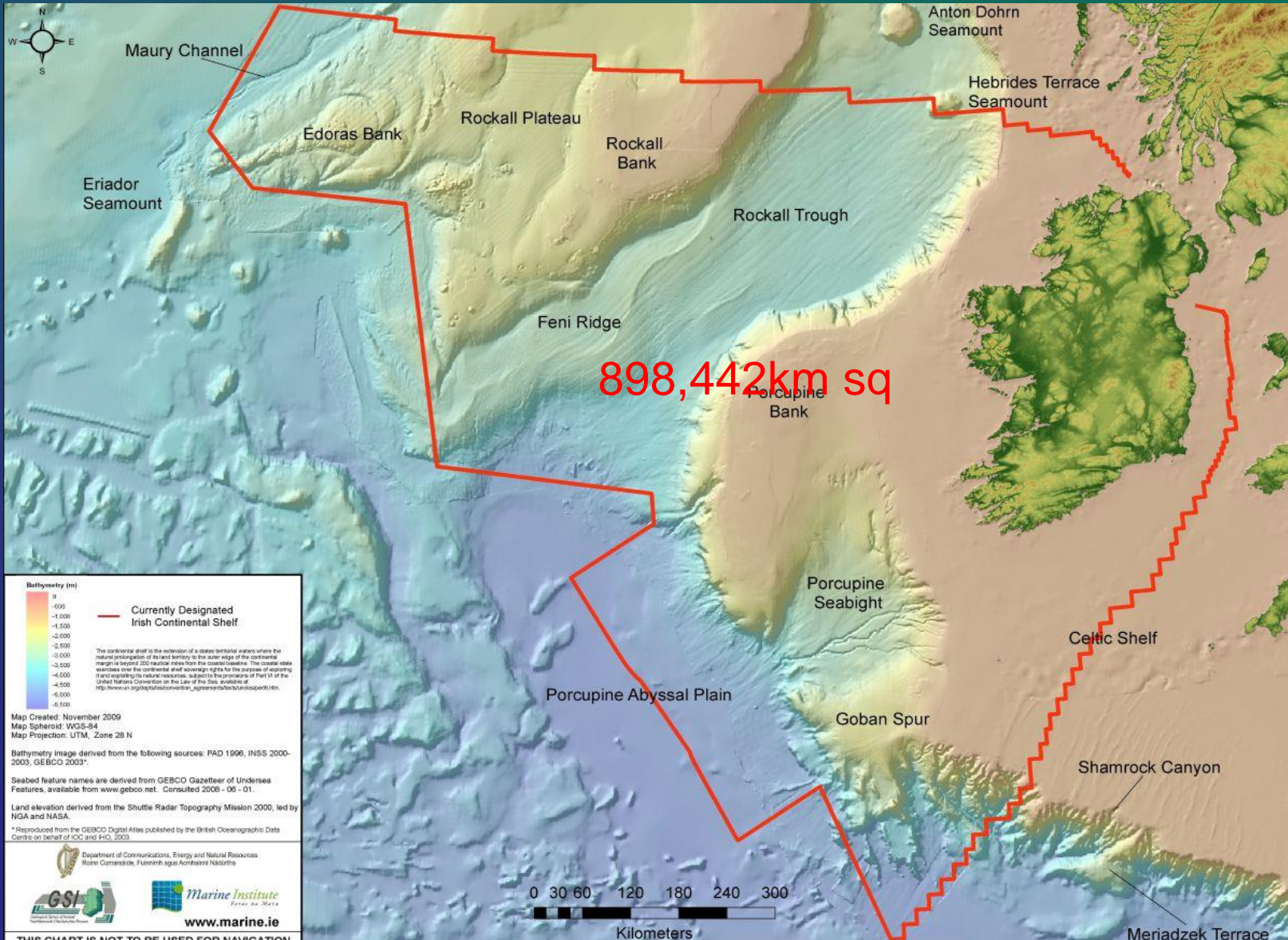
“A major maritime casualty is both an industrial accident and a natural disaster. There will always be a gap between the worst-case risks presented by a major maritime casualty and the indigenous response capabilities of most sovereign states, especially smaller countries and particularly those with maritime domains as extensive as Ireland’s”



IRCG EEZ



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Bathymetry (m)

— Currently Designated Irish Continental Shelf

The continental shelf is the extension of a state's territorial waters where the natural prolongation of its land territory to the outer edge of the continental margin is beyond 200 nautical miles from the coastal baseline. The coastal state exercises over the continental shelf sovereign rights for the purpose of exploring it and exploiting its natural resources, subject to the provisions of Part VI of the United Nations Convention on the Law of the Sea, available at: <http://www.un.org/legals/convencn/unclos/unclospart6.htm>

Map Created: November 2009
Map Spheroid: WGS-84
Map Projection: UTM, Zone 28 N

Bathymetry image derived from the following sources: PAD 1996, INSS 2000-2003, GEBCO 2003*.

Seabed feature names are derived from GEBCO Gazetteer of Undersea Features, available from www.gebco.net. Consulted 2006 - 05 - 01.

Land elevation derived from the Shuttle Radar Topography Mission 2000, led by NGA and NASA.

* Reproduced from the GEBCO Digital Atlas published by the British Oceanographic Data Centre on behalf of IOC and IHO, 2009.

Department of Communications, Energy and Natural Resources
Roinn Comarsáide, Fuinnimh agus Aeráireann Náisiúnta

GSI
Geological Survey of Ireland

Marine Institute
Foras na Mara

www.marine.ie

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Managing the response to a major pollution incident



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Tier 1
Tier 2
Tier 3

Major Shipping Pollution Incident

Activate the NCP

NMOC
/MRSC

Co-ordinates
SAR

Ship Casualty

Co-ordinates
and directs all
response issues

At Sea Pollution
Response

Co-ordinates and
directs at sea and
aerial response
Operations

Shoreline Pollution
Cleanup

Directed and co-ordinated
by IRCG

Shoreline
Response Centre
Managed and
manned by
Local Authority

Can it happen?

- North Sea oil rigs operating in UK waters suffered major or significant leaks at a rate of almost one every week throughout 2009 and 2010.
- A further 6,000kg of oil and gas leaked in incidents classed as "minor".
- 2013 19th of July to the 19th of August there were 61 recorded spills from platforms into the North Sea
- The latest survey for the Maritime and Coastguard Agency (MCA) reveals that UK offshore oil and gas platforms reported a total of 601 accidental releases of oil and chemicals in 2014. This is an increase of 14.5 per cent on 2013.
- The report points out that the number of oil spills – 380 – was the highest recorded since 2000. In 2014 there were 100 more oil spills reported than the average for the previous 13 years, it says.
- BP reported that 95 tonnes of oil had escaped from the Clair platform, 75 kilometres west of Shetland, at 10am on October 2 2016 because of a “technical issue”.



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Oil Spills North Sea



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Date	Platform	Amount	Action
3 Oct 16	Clair	95 tonnes	Platform Shut down for a period Air Surveillance
Mar 2012	Elgin Total	The leak was stopped after 51 days by pumping heavy mud into the well, followed by the use of cement plugs.	Oil company Total has been fined a record £1.125m
Aug 2011	Gannet Shell	211 tonnes	Reported by passing helio Fine £22,500
13 Dec 2007	Statfjord A Statoil	4000 tonnes	
2000	Hutton	350 tonnes	
Between 2000 and 2012, there were 4,123 separate oil spills recorded		<p>Despite these incidents, the number of substantial spills each year is also on a long-term downward trend.</p> <p>The total number of spills has been largely static since 2005.</p>	<p>The improvement seems more associated with declining production than better safety measures.</p> <p>Gas and oil production are down about 60% from their turn-of-the-century peaks</p>



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- Oil & Gas UK, a representative body for the UK offshore oil and gas industry, disputes this, saying these types of leaks present no significant environmental impact.
- "The results are compared with international standards and indicate there are no significant environmental impacts arising from either permitted discharges or from spills,"
- Nature itself does leak oil into the environment from the Earth's crust. According to the World Ocean Review this amounts to around five percent of all oil pollution - Dr Boxhall says the environment does deal with this reasonably well.
- We're going to be very naïve if we believe that any system is fail safe

Thank you



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