

BEACH SUPERVISOR TRAINING INTRODUCTION

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www.gov.uk/assessing-risk-and-responding-to-uk-coastal-and-marine-pollution






<https://www.gov.uk/government/publications/mca-beach-supervisor-training-course-materials>

A group of people in high-visibility yellow and blue gear are working on a beach, pulling a long orange boom into the water. The sea is calm and the sky is overcast.

AGENDA:

- Introduction
- Course objectives
- Role of beach supervisor
- Shoreline Response Organisation
- Problems of Oil Spill Response
- Methods of Response
 - Booming
 - Inshore Recovery
 - Shoreline Clean-up
- Scenarios
- Management of Oily Waste
- Health and Safety



OBJECTIVES

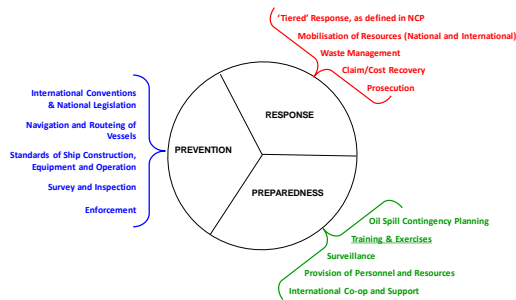
- Provide understanding of response arrangements under local and national contingency plans
- Provide understanding of clean-up techniques
- Provide understanding of booming plans and validation
- Provide awareness of ecological factors to be considered during clean-up
- Provide appreciation of importance of record keeping and the financial implications

Setting the Scene

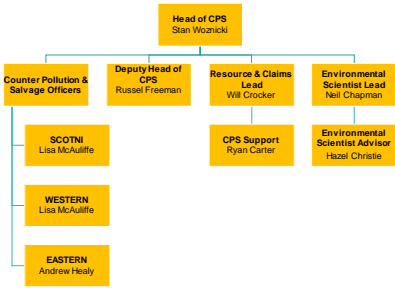
- The MCA is responsible for implementing the UK Government's maritime safety policy and exists:
 - To promote high standards of safety at sea
 - To minimise loss of life amongst seafarers and coastal users
 - To respond to maritime emergencies 24 hours, 365 days
 - To protect the environment by minimising pollution from ships

Setting the Scene

- Prevention, Preparedness & Response

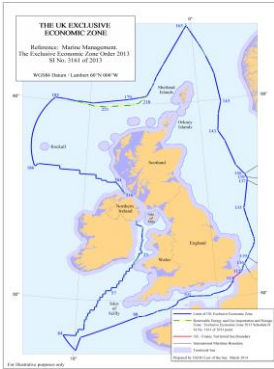


CPS Structure



Setting the Scene

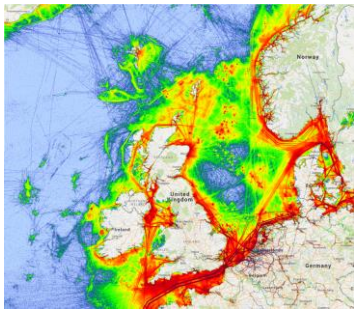
- The UK Exclusive Economic Zone

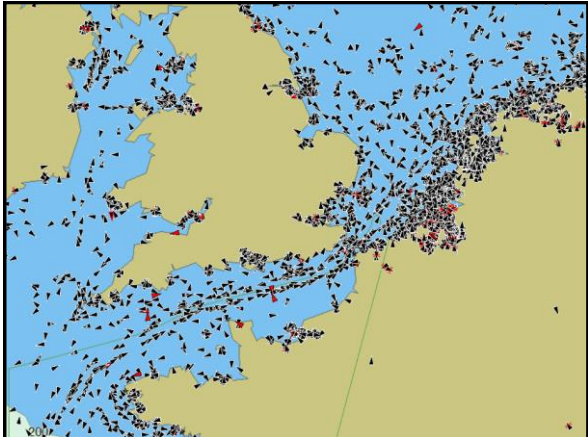


Setting the Scene

- UK has 11,000 miles of coastline
- On average around 170 pollution incidents involving shipping per year
- Represents less than 25% of all marine pollution sources
- UK has suffered 3 of the world's largest recorded oil spills to date

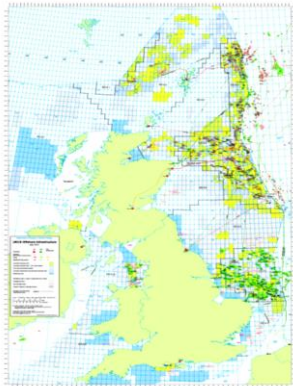
Shipping Density

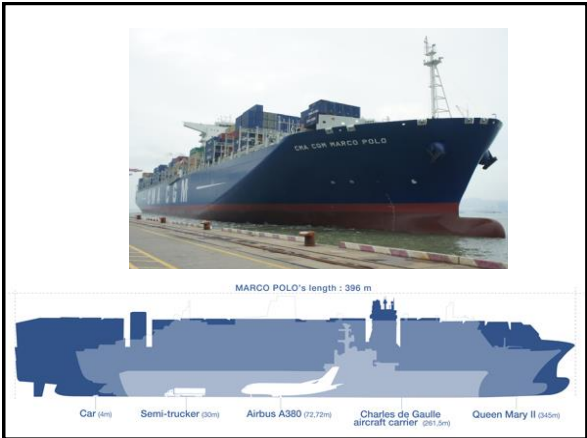




Offshore Oil and Gas Installations

Summary	
Number of Oil Platforms	89
Number of Oil Floating Installations	21
Total Number of Oil Installations	110
Total Number of Gas Platforms	157
Total Number of Oil and Gas Installations	267







Impact of tanker size on credible spill potential

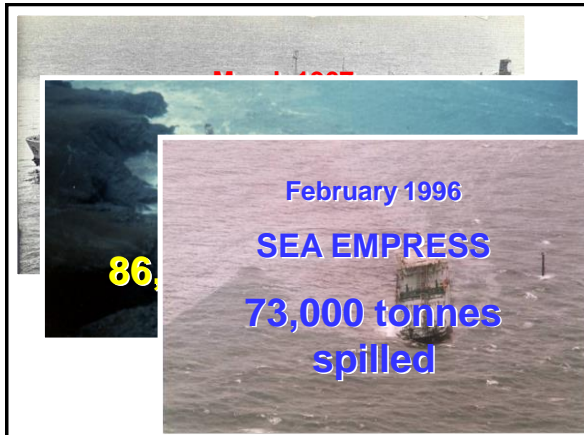
Length (m)	DWT	Collision wing tank	Grounding 2 wing+centre	Bunkers carried
<200m	30000	700	3000	1350
200m	50000	1100	5000	5200
250m	100000	5500	21000	7000
275m	200000	10500	45000	8300
300m	240000	15000	60000	12000

DWT is the sum of the weights of cargo, fuel, fresh water, ballast water, provisions, passengers, and crew.

400m Containership – 6 fuel tanks (each approx. 2150m³ HFO) – Total 13000m³ HFO + 600m³ Diesel

Setting the Scene

Atlantic Express	1979	off Tobago, West Indies	287,000
ABT Summer	1991	700 nm off Angola	260,000
Castillo de Bellver	1983	off Saldanha Bay, South Africa	252,000
Amoco Cadiz	1978	off Brittany, France	223,000
Haven	1991	Genoa, Italy	144,000
Odyssey	1988	700 nm off Nova Scotia, Canada	132,000
Torrey Canyon	1967	Scilly Isles, UK	119,000
Sea Star	1972	Gulf of Oman	115,000
Irenes Serenade	1980	Navarino Bay, Greece	100,000
Urquiola	1976	La Coruna, Spain	100,000
Hawaiian Patriot	1977	300 nm off Honolulu	95,000
Independenta	1979	Bosphorus, Turkey	95,000
Jakob Maersk	1975	Oporto, Portugal	88,000
Braer	1993	Shetland Isles, UK	85,000
Khark 5	1989	120 nm Atlantic Coast, Morocco	80,000
Aegean Sea	1992	La Coruna, Spain	74,000
Sea Empress	1996	Milford Haven, UK	72,000
Nova	1985	Off Kharg Island, Gulf of Iran	70,000
Katina P	1992	off Maputo, Mozambique	66,700
Prestige	2002	Off Galicia, Spain	63,000
Exxon Valdez	1989	Prince William Sound, Alaska, USA	37,000



BEACHMASTER ROLE

- Overall supervisor of a specified section of a shoreline response operation.
- Operations manager at the front line of the response.
- Implements the cleanup strategy required by the Tactical/Recovery Coordinating Group.
- Reports back to TCG/RCG on progress and problems
- Record keeping

BEACHMASTER CONSIDERATIONS

- Health and Safety
- Man Management
- Environmental Sensitivity
- Welfare
- Equipment Management
- Waste Disposal
- Public Safety
- Decontamination
- Record Keeping

THE BEACHMASTER

- Supervisory position requiring initiative, practicality and the ability to improvise
- Man management experience
 - Ability to motivate and manage unskilled labour
- Knowledge of HSE Rules
- Understanding of environmental constraints
