

# IHMA

## CONGRESS 2016

### Vancouver



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# PORT EXPANSION

## CHALLENGES AND OPPORTUNITIES

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NEWS

SPORT

BUSINESS

OPINION

LIFE & STYLE

CULTURE

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PODCASTS

Ireland > Irish News | Water Charges

All News ▼

## Dublin Port unveils plan for expansion

The €200m plan covers much of the port and includes deeper channel for large ships



A planning hearing has opened into Dublin Port plans to redevelop Alexandra Basin in the north Port area - the first part of the port company's "Masterplan 2012 to 2040".

Tim O'Brien

Topics: News Alexandra Basin An Bord Pleanála  
Clontarf Residents Association Dublin Port Dún Laoghaire

### Latest Ireland »

Voter turnout higher so far than in last referendum

21 mins

Service resumed on Luas Red Line after disruption

24 mins

Elderly man dies after fatal collision on Swords Road

34 mins

Murdered El Salvador archbishop Oscar Romero to be beatified

49 mins

Safety of children in direct provision flagged by report

50 mins

ADVERTISEMENT



Letters

Same-sex Marriage Referendum: Countdown to




# CHALLENGES


Browser address bar: <http://www.againstportexpansion.org/>

**A.P.E** Against Port Expansion in the Fraser Estuary, BC

Navigation menu: HOME ABOUT US ISSUES NEWS HOW TO HELP LINKS BLOG CONTACT



Say NO to Roberts Bank Terminal 2



✓ Say YES to Saving the Fraser Estuary

Latest News

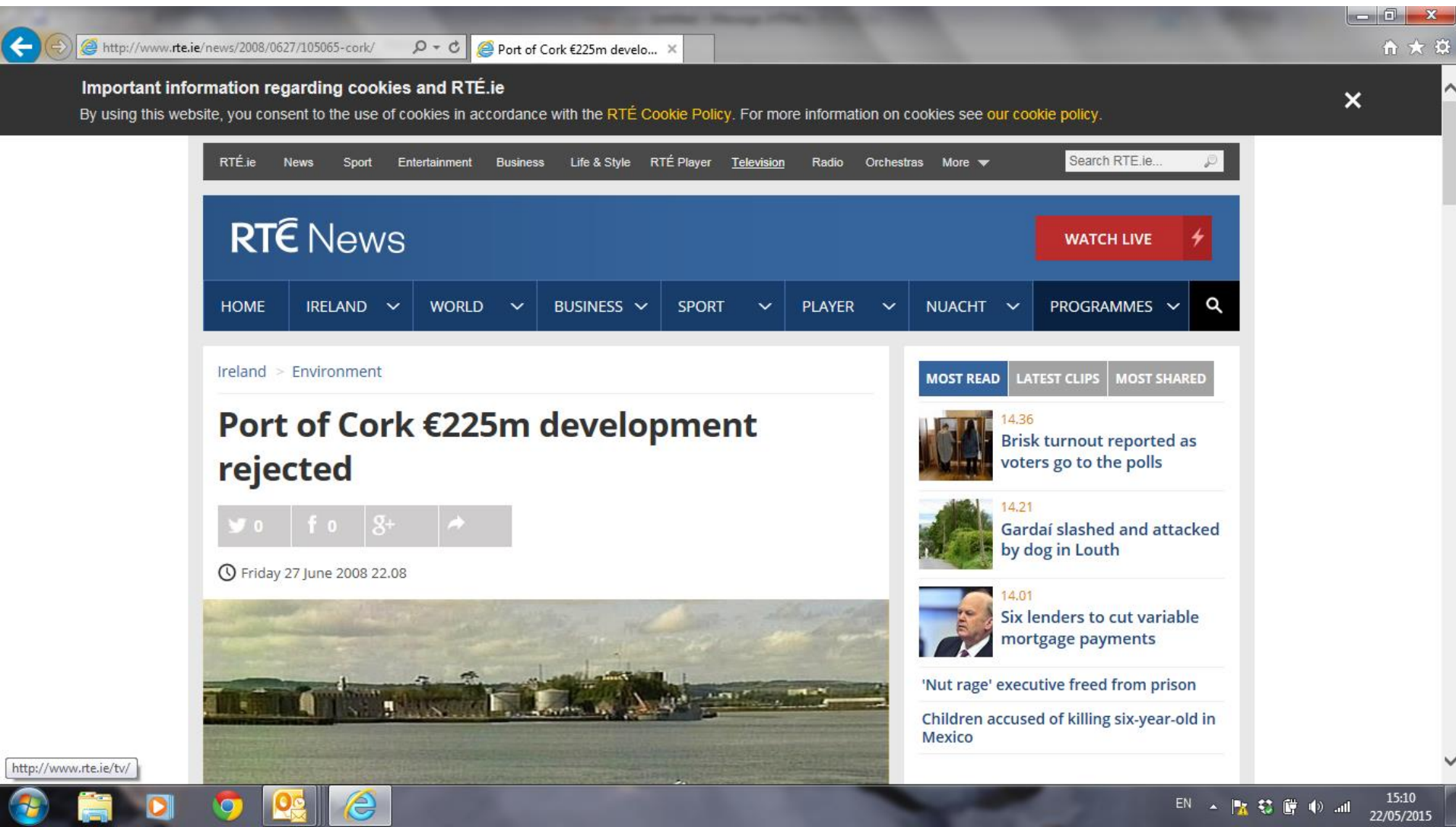
nal 2 Not Justifie...

The Issues

AGAINST PORT EXPANSION IN THE FRASER ESTUARY BC

Browser status bar: [http://www.againstportexpansion.org/news/#Latest PMV Stats Show Terminal 2 Not Justified](http://www.againstportexpansion.org/news/#Latest%20PMV%20Stats%20Show%20Terminal%20Not%20Justified)

System tray: 15:08 22/05/2015



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# MAIN THEMES

- ▶ **PLANNING AND INFRASTRUCTURE**
- ▶ Organizational Challenges
- ▶ Working through regulations
- ▶ Coping with the challenges of managing larger vessels in Port areas
- ▶ **OPERATING EXTENDED PORTS**
- ▶ System integration
- ▶ Monitoring and Control
- ▶ Additional resources required
- ▶ Case study Pilbara Ports
- ▶ President of BC COS

Case Study HM

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# HM role in Managing Extended Port Facilities



# MAIN THEMES

- ▶ **SOCIAL ACCEPTANCE**

- ▶ Managing expanded port facilities and increased shipping in populated area
- ▶ Programmes and initiatives in place by Ports to compensate/integrate communities

Case Study (Port of Quebec)

- ▶ **HM SPECIAL INTEREST**

- ▶ Updates from Working Groups
- ▶ Place of Refuge
- ▶ Ballast Water Exchange
- ▶ PAINC
- ▶ LNG Bunkering
- ▶ Port Security

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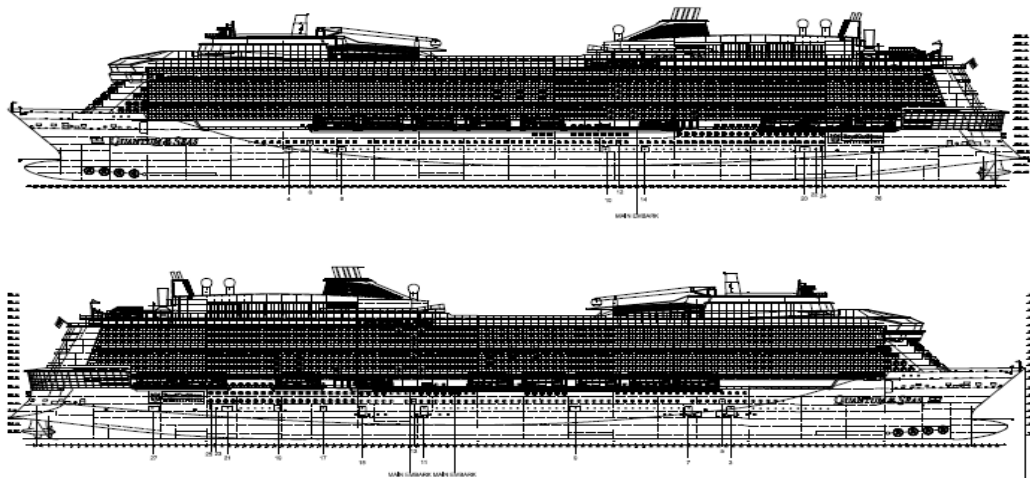


# MAIN THEMES

- ▶ **MARINE LABOUR AND TRAINING**
- ▶ Shortage of skilled mariners for shore positions
- ▶ Specialised training for port professionals both marine and land based
- ▶ Industry Speaker on providing tailored solutions to individual ports or large port companies/ organisations

# ▶ OPPURTUNITIES OF PORT EXPANSION

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DOORS		DECK	DESIGNATION	CLEAR (mm)		DISTANCE (m) FROM**		DISTANCE (m) FROM **	
SB	PS			W x H	KEEL	WL	BOW	STERN	
027	026	2	Provision Loading	3500	2100	11.67	3.17	298.6	49.4
025	024	2	Bunker	750	1500	12.27	3.77	279.1	68.9
023	022	2	Potable Water	500	500	12.55	4.05	272.2	75.8
021	020	2	Luggage	3500	2100	11.67	3.17	273.3	74.7
019		2	Spare Parts	2000	2500	11.67	3.17	256.0	92.0
017		2	Garbage	2000	2100	11.67	3.17	240.6	107.4
015		1/2	Tender Embarkation	2500	4000	9.80	1.30	227.2	120.8
	014	2	Passenger	2500	2100	11.67	3.17	218.5	129.5
013	012	3	Passenger	1800	2100	14.47	5.97	209.6	138.4
011		1/2	Tender Embarkation	2500	4000	9.80	1.30	206.0	142.0
	010	2	Passenger	2500	2100	11.67	3.17	205.1	142.9
09		2	Luggage	3500	2100	11.67	3.17	154.2	193.8
	08	2	Passenger	2500	2100	11.67	3.17	114.7	233.3
07		1/2	Tender Embarkation	2500	4000	9.80	1.30	115.4	232.6
05	06	3	Passenger	1800	2100	14.47	5.97	103.8	244.2
	04	2	Passenger	2500	2100	11.67	3.17	96.6	251.4
03		1/2	Tender Embarkation	2500	4000	9.80	1.30	100.9	247.1
		5	Main Embarkation	2380	3590	20.96	12.46	195.4	152.6
		5	Main Embarkation	2380	3590	20.96	12.46	210.8	137.2

\*Distance to the waterline is based upon design draft of 8.5 m

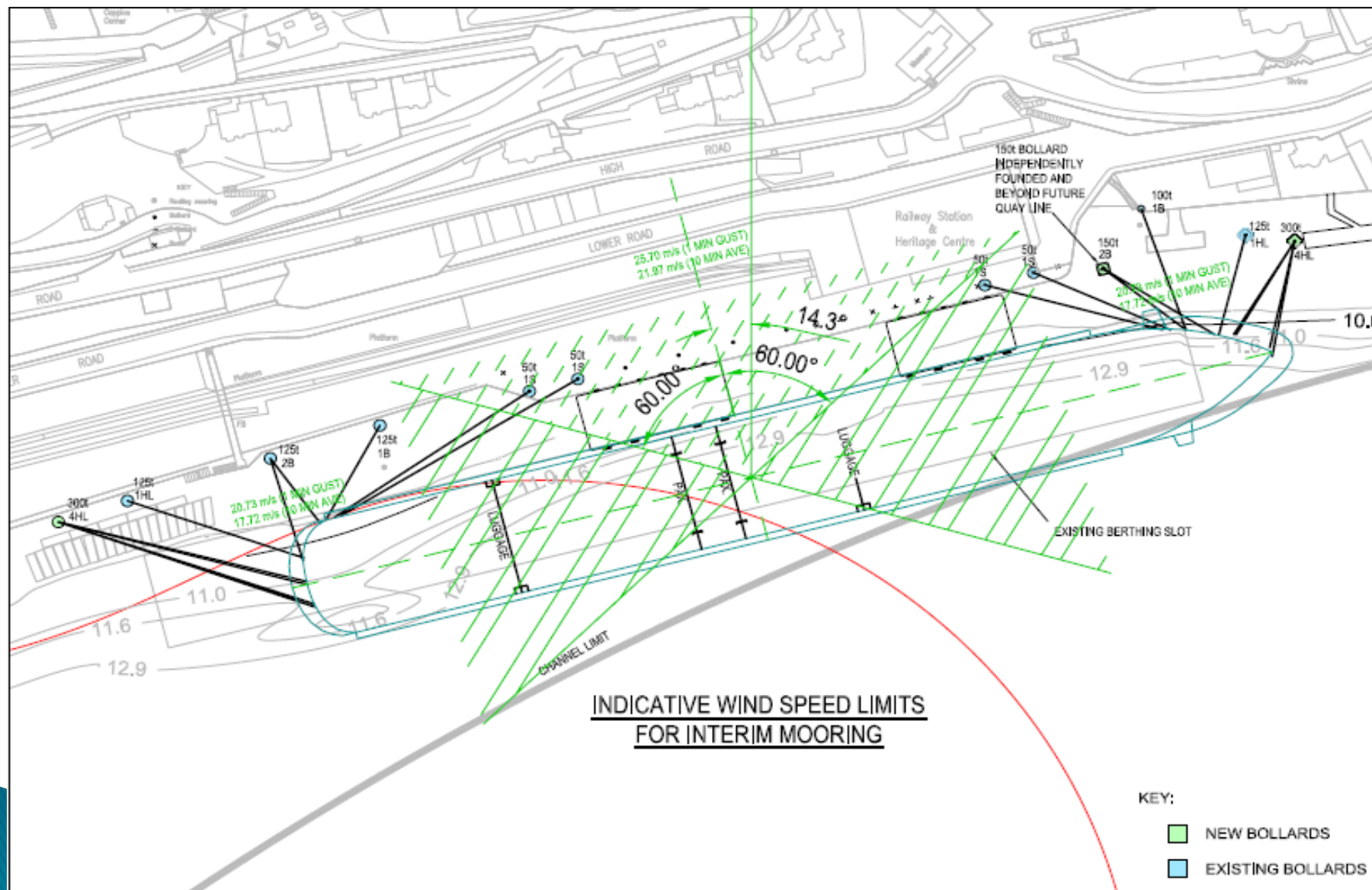
\*\*Distance is measured from the extreme bow and stern point to center of the door

## QUANTUM OF THE SEAS

LOA	348
LBP	320.1
Beam @ waterline	41.4
Beam Max	46
Design Draft	8.5
Max Draft	8.8
Air Draft (at Max Draft)	57.61
Passengers (DO)	4188
Crew	1469

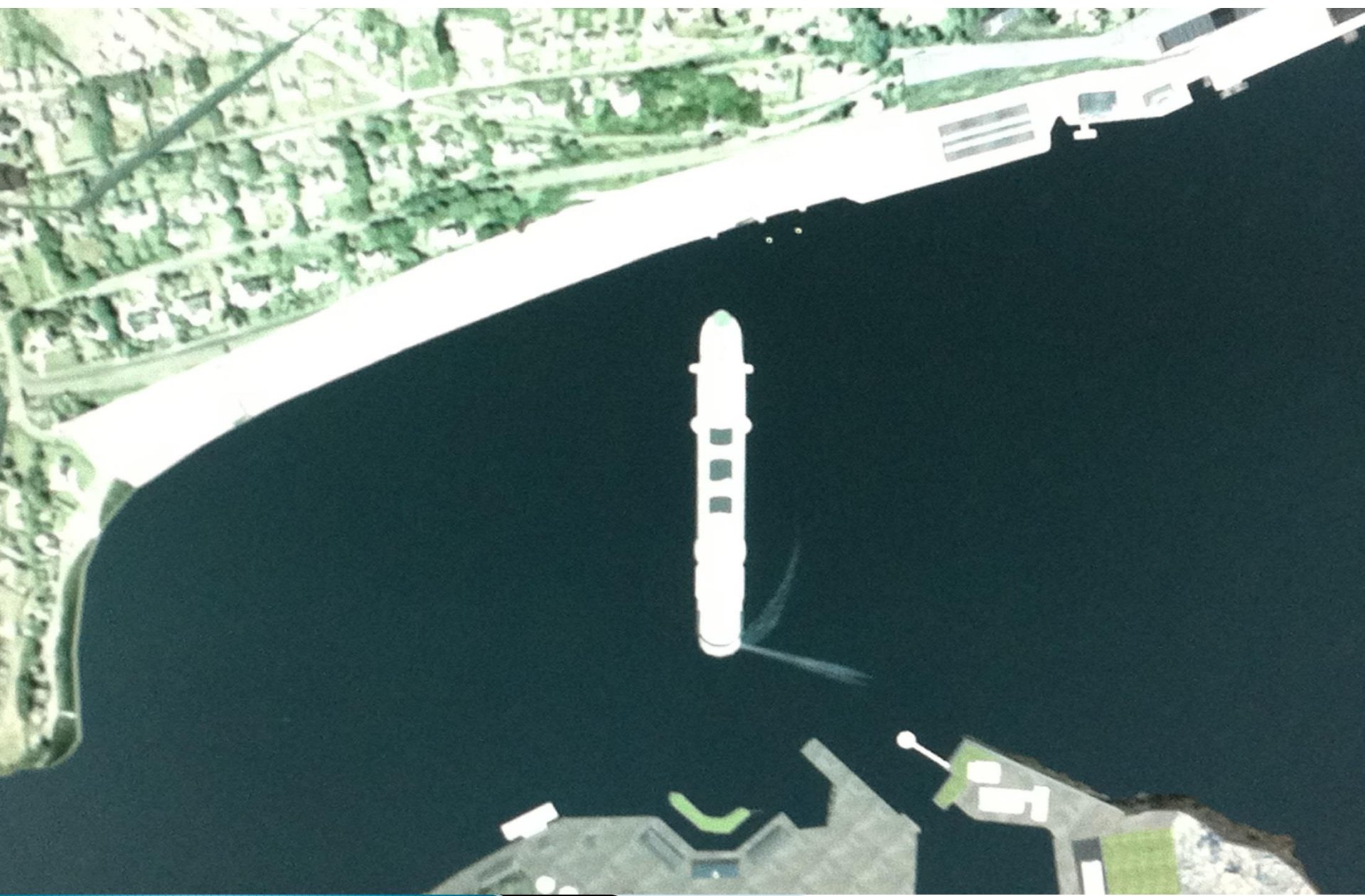
RELEASE DATE 7/31/2013

# Wind Limits





# Quantum Class Swinging

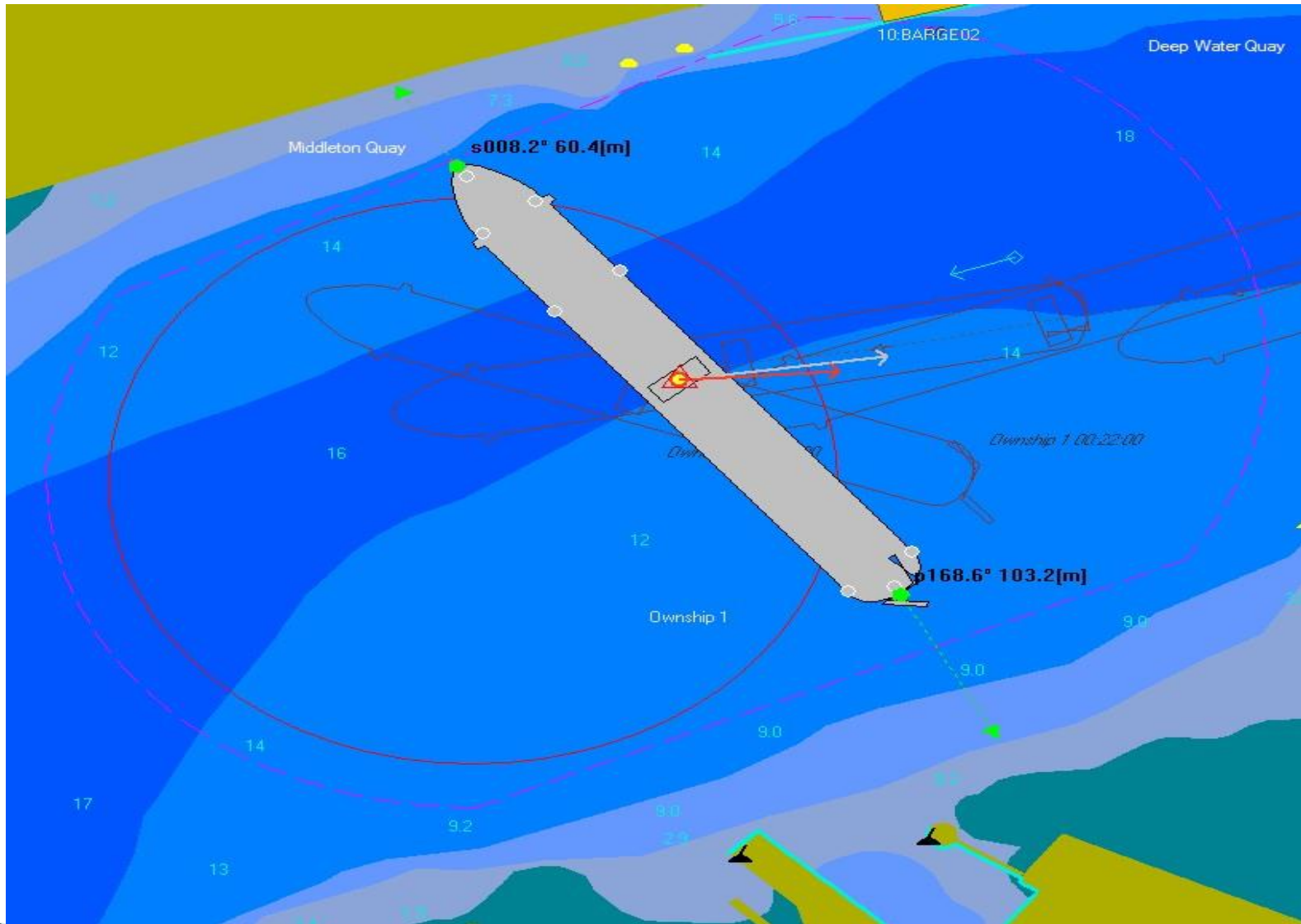




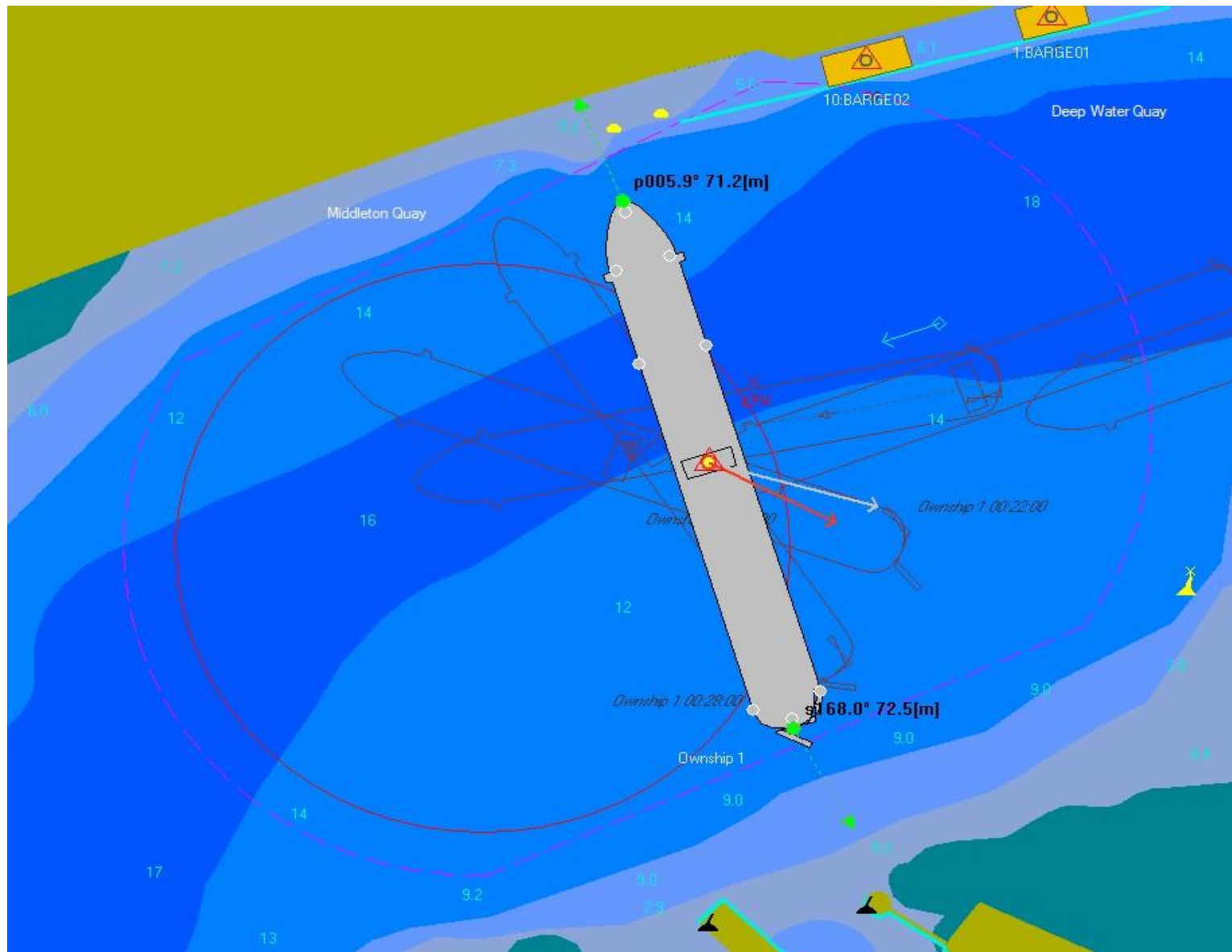
# QN Feb 14 – Wind SW 20Kts



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# Phase 2 – New Quay Construction and Berth Slot Extended

