

MSI Self Assessment NAVAREA XI

Submitted by Japan

SUMMARY

Executive Summary: NAVAREA XI provides the paper of MSI Self Assessment for
WWNWS 3

Action to be taken: paragrah12

Related documents: None

1. Background

NAVAREA XI navigational warnings are issued through the POR satellite and (or) the IOR satellite INMARSAT.

Broadcast schedules:

- (1) Routine broadcast times (UTC): 0005, 0805 and 1205.
- (2) Details of transmission.
 - (a) Broadcasts is made at nearest the next routine time after reception of the information and thereafter repeated at the same time each day for 6weeks.
 - (b) NAVAREA XI Navigational Warnings Bulletin listing the numbers of in force warnings issued during the last 6weeks is broadcasted at 1205 UTC on every Saturday.
 - (c) Important message is broadcasted immediately and is repeated once a day on routine time.

NAVAREA XI is bounded by the lines commencing following geographical positions:

- a) On the coast (Russian-North Korean border)
- b) 42-17.5N 135-00E
- c) 45-00N 138-20E
- d) 45-00N 180-00E
- e) 00-00N 180-00E
- f) 00-00N 141-00E
- g) 10-00S 141-00E
- h) 10-00S 127-00E
- i) 12-00S 127-00E
- j) 12-00S 095-00E
- k) 06-00N 095-00E
- l) 098-00E on the coast (Myanmar-Thailand border)

Safety NET Satellite broadcast service provider: KDDI

Operational Points of Contact for National Co-ordinators within the NAVAREA

COUNTRY	TELEPHONE	FACSIMILE	EMAIL
China	+86-10-65293262	+86-10-65293269	warning@msa.gov.cn

Korea (D.P.R of)	+850 2 3818888	+850 2 3814692	mrcc.dprk@ssalink.net
Korea(R of)	+82-32-8800570 ~ 2	+82-32-8853088	ntmkhoa@korea.kr
Indonesia	+62-21-64714809,10,19	+62-21-64714809,19	infohid@dishidros.go.id
Japan	+81-3-3541-3817	+81-3-3542-7174	tuho@jodc.go.jp
Malaysia	+60-33-1694545,4400	+60-33-1013111	rmnode@tm.net.my
Philippines	+63-2-2413494,22955	+63-2-2422090	riho@namria.gov.ph
Singapore	+65-63-751562,75,600	+65-62-759247,87646	hydrographic@mpa.gov.sg
Thailand	+66-2-613369, 4753369	+66-2-1736570	hydrotech@navy.mi.th
U.S.A (Guam)	+1-301-2277407	+1-705-3396210	rncracken@d14.uscg.mil
Vietnam	:+84-31-3551817,0685	:+84-31-3550797	mssl@vnn.vn

2. Comments:

GMDSS Master Plan was the last up date on February, 2011

The following table shows the number of Navigational Warnings that were transmitted on Safety NET during the past three years.

	2008	2009	2010
NAVAREA XI	792	879	1,006

3. NAVTEX Coverage:

(1) International NAVTEX Service

Coast Station	Position	Coverage (Mile)	Identification Character	Transmission Time(UTC)
China				
Sanya	18-14N 109-30E	250	M	0200 0600 1000 1400 1800 2200
Guangzhou	23-08N 113-32E		N	0210 0610 1010 1410 1810 2210
Fuzhou	26-01N 119-18E		O	0220 0620 1020 1420 1820 2220
Shanghai	31-08N 121-33E		Q	0240 0640 1040 1440 1840 2240
Dalian	38-52N 121-31E		R	0250 0650 1050 1450 1850 2250
Hongkong	22-13N 114-15E	400	L	0150 0550 0950 1350 1750 2150
Korea (D.P.R of)				
Pyongyang	38-55N 125-43E	200	D	0030 0430 0830 1230 1630 2030
Hamhung	39-50N 127-42E		E	0040 0440 0840 1240 1640 2040
Korea(R of)				
Jukbyeon	37-03N 129-26E	150	V	0330 0730 1130 1530 1930 2330
Byeonsan	35-36N 126-29E		W	0340 0740 1140 1540 1940 2340
Indonesia				
Jayapura	02-31S 140-43E	300	A	0000 0400 0800 1200 1600 2000
Ambon	03-42S 128-12E		B	0010 0410 0810 1210 1610 2010
Makassar	05-06S 119-26E		D	0030 0430 0830 1230 1630 2030
Jakarta	06-06S 106-54E		E	0040 0440 0840 1240 1640 2040
Japan				
Kushiro	42-57N 144-36E	400	K	0140 0540 0940 1340 1740 2140
Otaru	43-19N 140-27E		J	0130 0530 0930 1330 1730 2130
Yokohama	35-14N 139-55E		I	0120 0520 0920 1320 1720 2120
Moji	34-01N 130-56E		H	0110 0510 0910 1310 1710 2110
Naha	26-05N 127-40E		G	0100 0500 0900 1300 1700 2100
Malaysia				
Penang	05-26N 100-24E	350	U	0320 0720 1120 1520 1920 2320
Miri	04-28N 114-01E		T	0310 0710 1110 1510 1910 2310
Sandakan	05-54N 118-00E		S	0300 0700 1100 1500 1900 2300

Singapore Singapore	01-20N 103-59E	400	C	0020 0420 0820 1220 1620 2020
Thailand Bangkok	13-34N 100-39E	200	F	0050 0450 0850 1250 1650 2050
Taiwan Keelung Linyuan	25-08N 121-45E 22-29N 120-25E	540	P P	0630 1430 2230 0230 1030 1830
United States Guam	13-29N 144-50E	200	V	0100 0500 0900 1300 1700 2100
Vietnam Ho Chi Minh Da Nang	10-45N 106-43E 16-03N 108-41E	400	X K	0350 0750 1150 1550 1950 2350 0230 0630 1030 1430 1830 2230

Trial Station

Philippines Manila	14-30N 121-04E	300	J	0130 0530 0930 1330 1730 2130
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Planned

Philippines Davao	07-05N 125-36E	300	R	0250 0650 1050 1250 1850 2250
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(2) National NAVTEX Service (490 kHz or 4209.5 kHz)

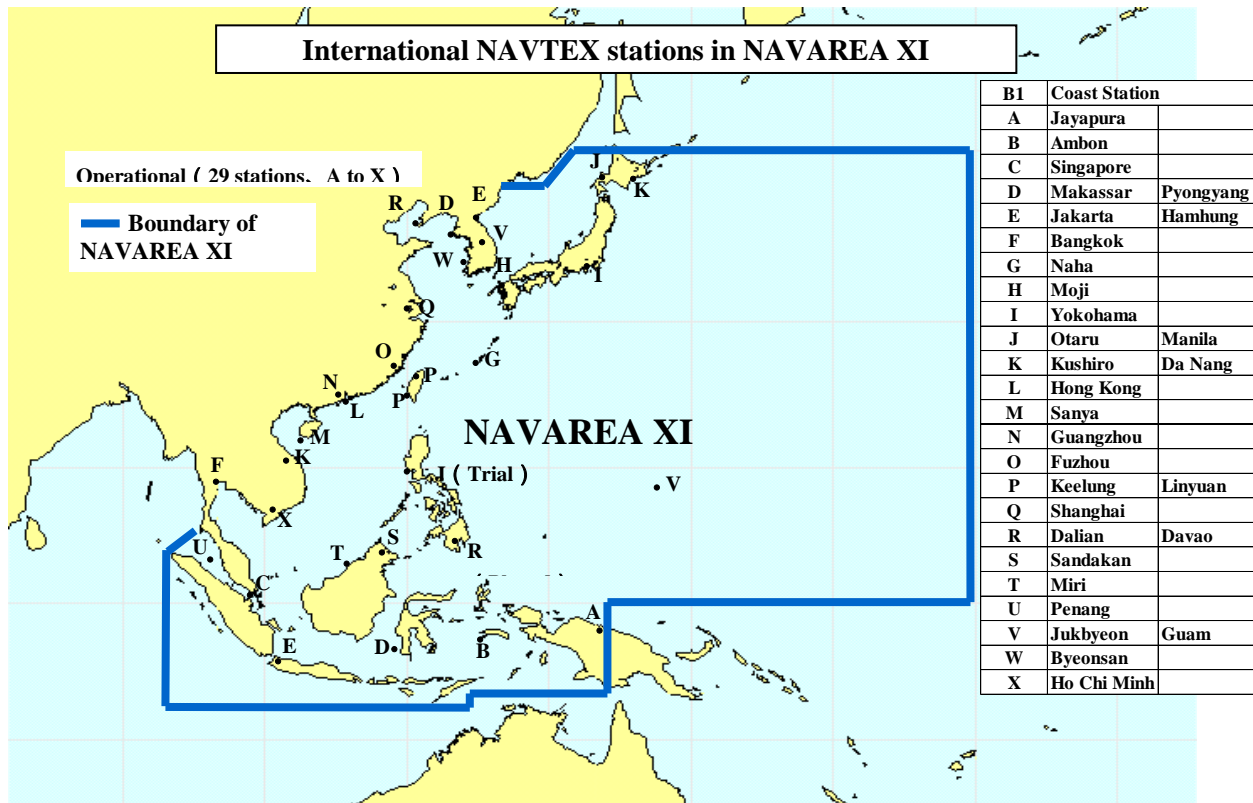
Country/Language Coast Station	Position	Coverage (Mile)	Identification Character	Transmission Time(UTC)
Korea (D.P.R of) / Korean Pyongyang Hamhung	490kHz	200	A B	0000 0400 0800 1200 1600 2000 0010 0410 0810 1210 1610 2010
	38-55N 125-43E 39-50N 127-42E			
Korea (R of) / Korean Jukbyeon Byeonsan	490kHz	150	J K	0130 0530 0930 1330 1730 2130 0230 0630 1030 1430 1830 2230
	37-03N 129-26E 35-36N 126-29E			
Vietnam / English Hai Phong	4209.5kHz 20-52N 106-41E	400	W	0340 1540

(3) National NAVTEX Service (Other frequencies)

Country/Language Coast Station	Frequencies Position	Coverage (Mile)	Identification Character	Transmission Time(UTC)
Japan / Japanese Kushiro Otaru Yokohama Moji Naha	424kHz	400	K J I H G	0108 0508 0908 1308 1708 2108 0051 0451 0851 1251 1651 2051 0034 0434 0834 1234 1634 2034 0017 0417 0817 1217 1617 2017 0000 0400 0800 1200 1600 2000
	42-57N 144-36E			
	43-19N 140-27E			
	35-14N 139-55E			
	34-01N 130-56E			
	26-05N 127-40E			

Trial Station

China / Chinese Sanya Zhanjiang Guangzhou Fuzhou Shanghai Tianjin Dalian	486kHz	250	M Z N O Q T R	0100 0500 0900 1300 1700 2100 0020 0420 0820 1220 1620 2020 0000 0400 0800 1200 1600 2000 0120 0520 0920 1320 1720 2120 0140 0540 0940 1340 1740 2140 0020 0420 0820 1220 1620 2020 0250 0650 1050 1450 1850 2250
	18-14N 109-30E			
	No Information			
	23-08N 113-32E			
	26-01N 119-18E			
	31-08N 121-33E			
	No Information			
	38-52N 121-31E			



4. Operational Issues
None

5. Quality Management Survey

NAVAREA	ISO 9001 - 2000	Promulgate "In-Force" Bulletins	Promulgate "No-Warning" Messages	Monitor Broadcast in almost real time	24/7 contact information provided	Promulgate two scheduled broadcasts	IMO Master Plan updated
<i>XI</i>	<i>NO</i>	<i>YES</i>	<i>NO</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>	<i>YES</i>

6. Contingency Planning

When a trouble occur in the system to issue navigational warnings, NAVAREA XI Co-ordinator will send a Navigational Warning message to LES(Land Earth Station) by facsimile. The operator of the LES will type the message, and broadcast it for each ship.

7. Capacity Building:
None

8. Other Activities:

(1) NAVAREA XI Regional Conference on World-Wide Navigational Warnings was held in Tokyo, Japan in October 2010.

The meeting was attended by representatives from 9 countries within NAVAREA XI region. It was also attended adjacent region, NAVAREA VIII Coordinator and WWNWS (Vice- Chairman).

Information was exchange between attending countries and the issue of overlaying of navigational warnings in ECDIS was discussed at the conference.

- (2) Immediately after the Great East Japan Earthquake, the Japan Hydrographic and Oceanographic Department (JHOD) issued navigational warnings on the earthquake occurrence and tsunami to ships in the neighbouring region.

We issued navigational warnings on aids to navigation, such as loss of light in the lighthouses, dislocation of buoys, and on floating debris and ships, one after another.

We promulgated the vessels at sea about news of the emergency events such as the explosion at Fukushima Daiichi nuclear power plant, by issuing navigational warnings. And, when we received the instruction from the government to take shelter inside or to set the cautionary area, due to the released radioactive materials from the nuclear power plant, we also promulgated the vessels at sea of the same information.

In addition, as the number of information to be dealt with navigational warnings had greatly increased, it was clear that the number would exceed the capacity of the "B" character of the NAVTEX system. Therefore, concerning navigational warnings on drifting hazards, we decided to issue navigational warnings once a day representing the area which included their positions.

9. NAVAREA Website:

Web sit: http://www1.kaiho.mlit.go.jp/TUHO/tuho/html/tuho/keiho_eg.html

Update at any time.

10. NAVAREA Contact Information:

[NAVAREA XI]

Capt. Hiroyuki Tanaka

Director,

Notices to Mariners Office Hydrographic and Oceanographic Department

Japan Coast Guard

3-1, Tsukiji 5-chome Chuo-ku TOKYO 104-0045

Tel: +81 (3) 3541 3817

Fax: +81 (3) 3542 7174

E-mail: tuho@jodc.go.jp

Keiho-tsuuhou@kaiho.mlit.go.jp

Japan Hydrographic and Oceanographic Department will move about December, 2011

Details will be informed as soon as the date of the move is decided.

11. Recommendations:

None

12. Actions requested:

The Sub-committee is invited to note the report.

13. Synopsis:

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- (3) Japan Hydrographic and Oceanographic Department will move about December, 2011

MSI Self Assessment NAVAREA XI

Related Paragraph 8 Other Activities

13 - 16 September, 2011

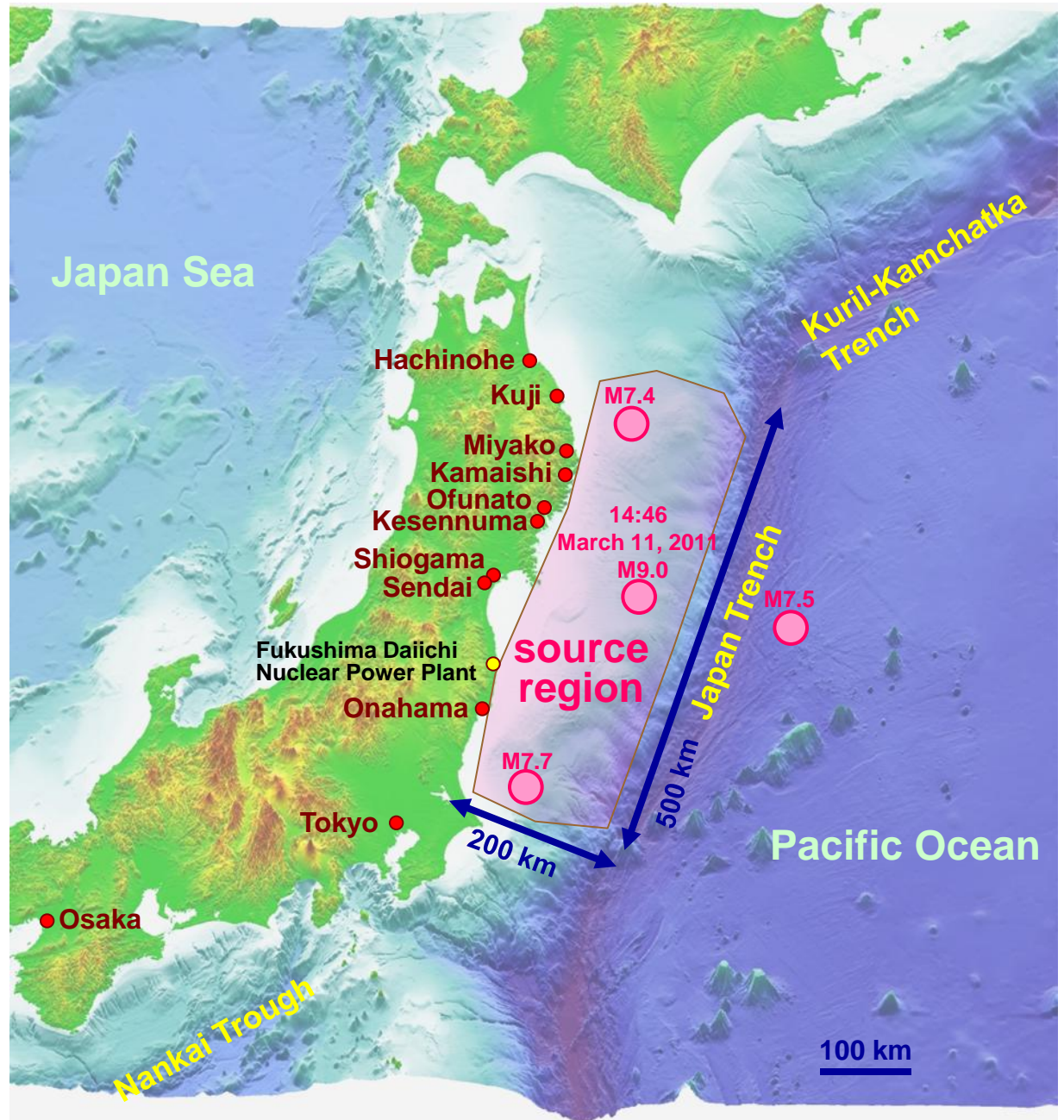
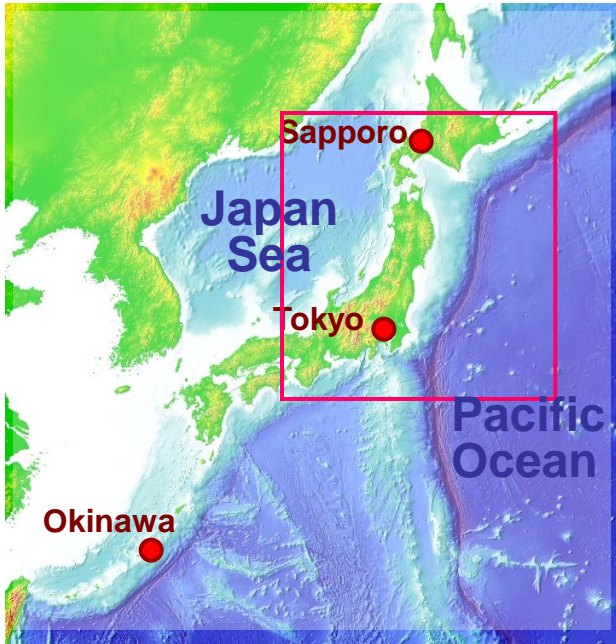


Hydrographic and Oceanographic Department

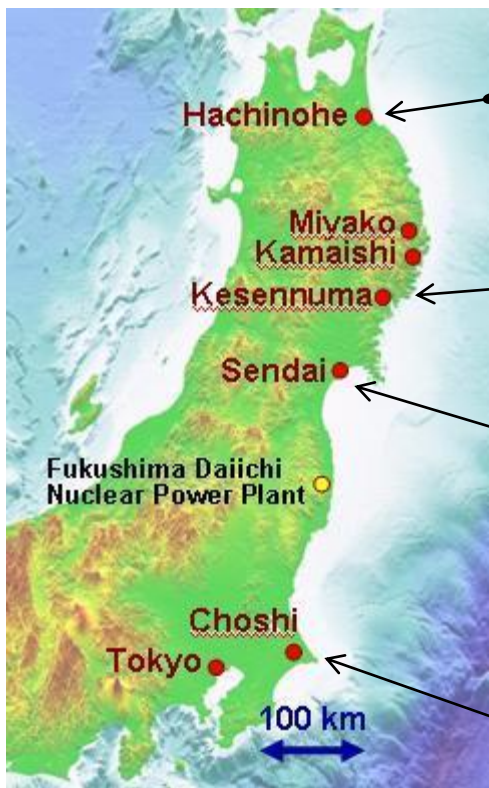
JAPAN COAST GUARD

Occurrence of Earthquake

05:46Z 11 March, 2011
Magnitude 9.0



The tsunamis largely scraped away the coastline



Damage due to the Earthquake and Tsunami



Damaged Light



Strange C/V

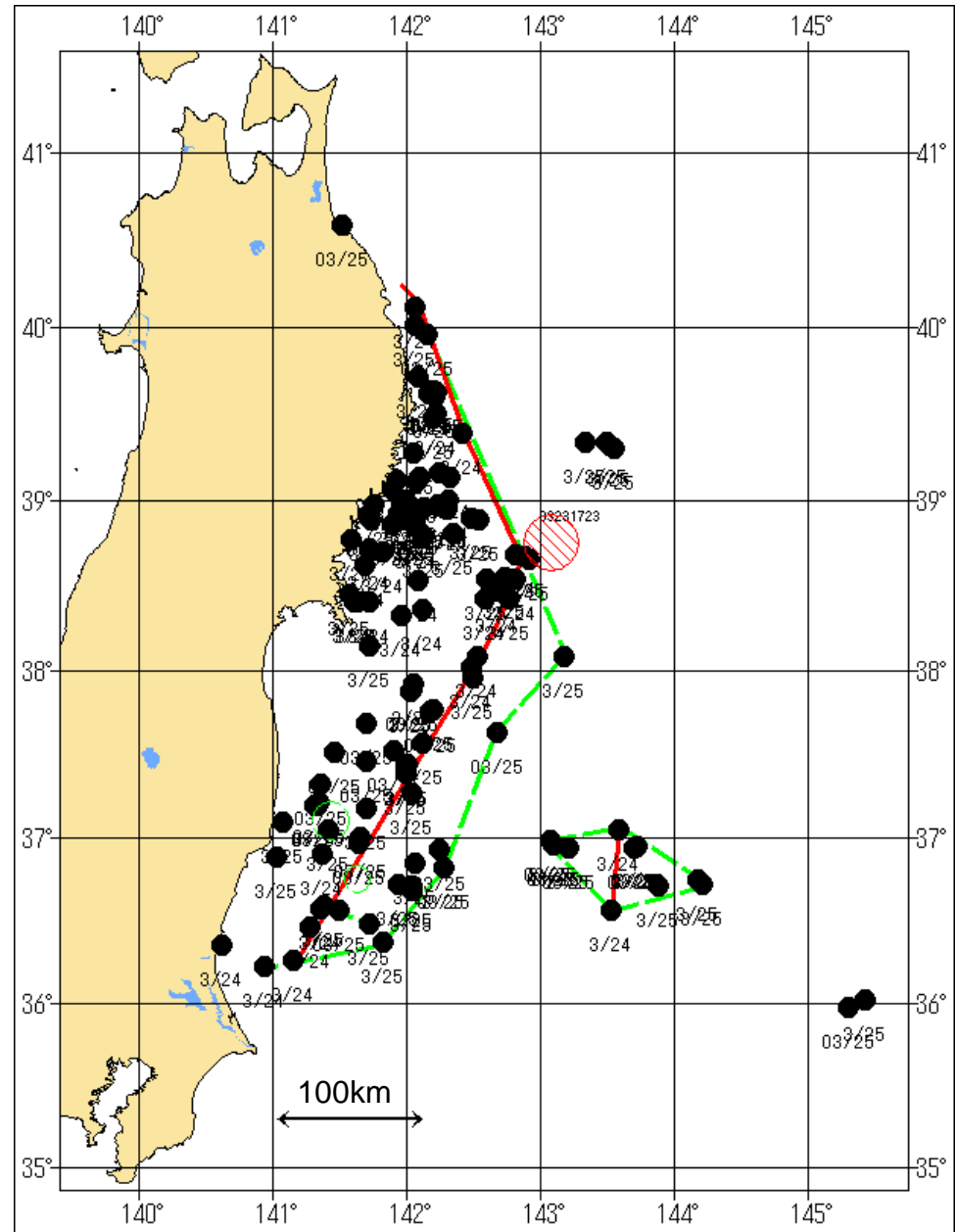
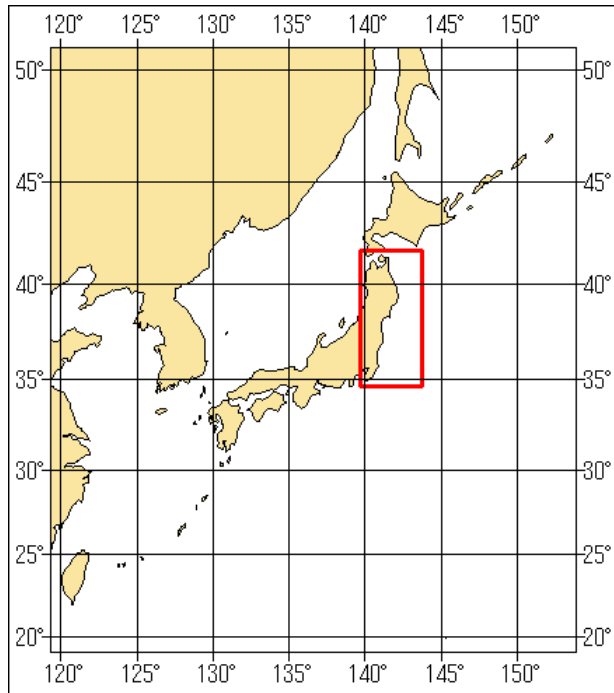


Adrift House and Objects

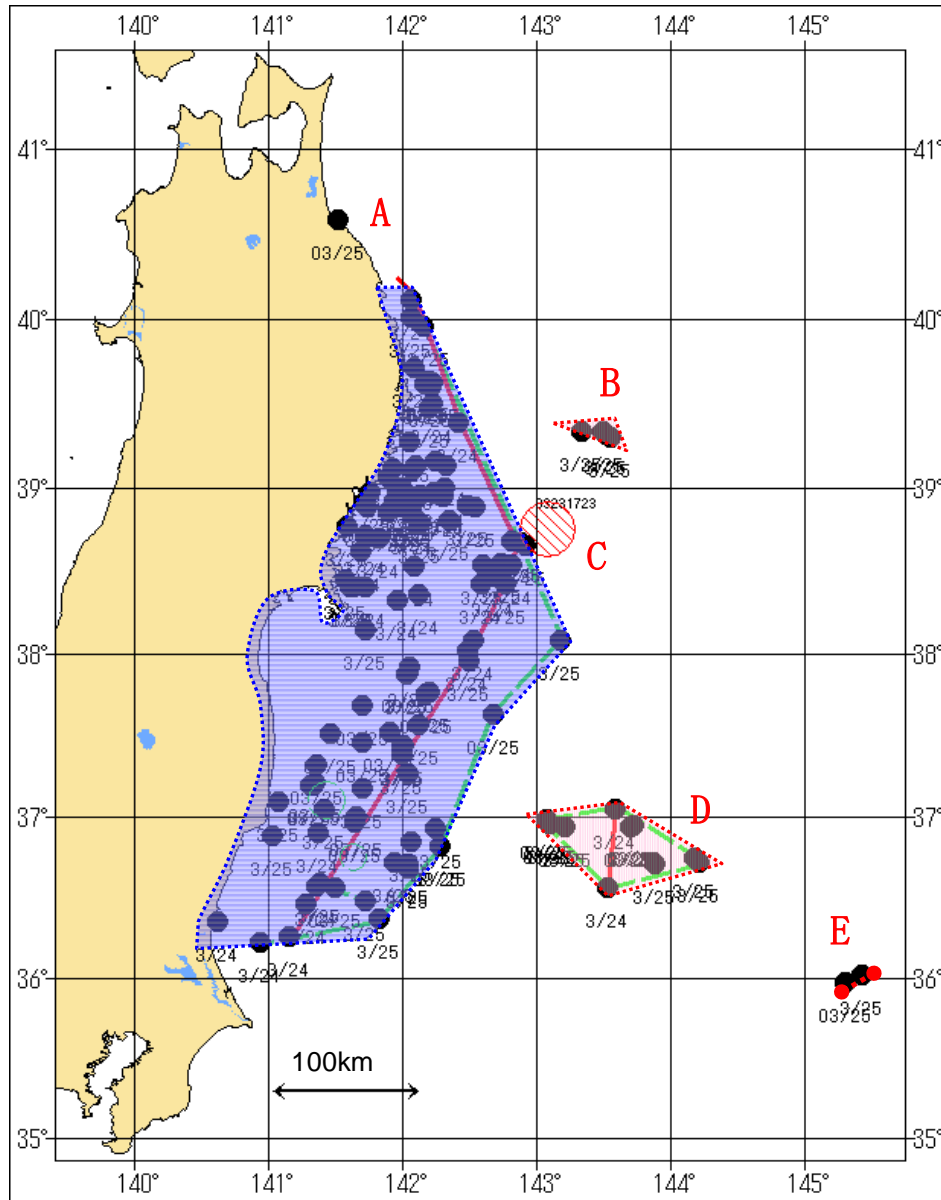


Adrift Crane Barge

Drifting hazards



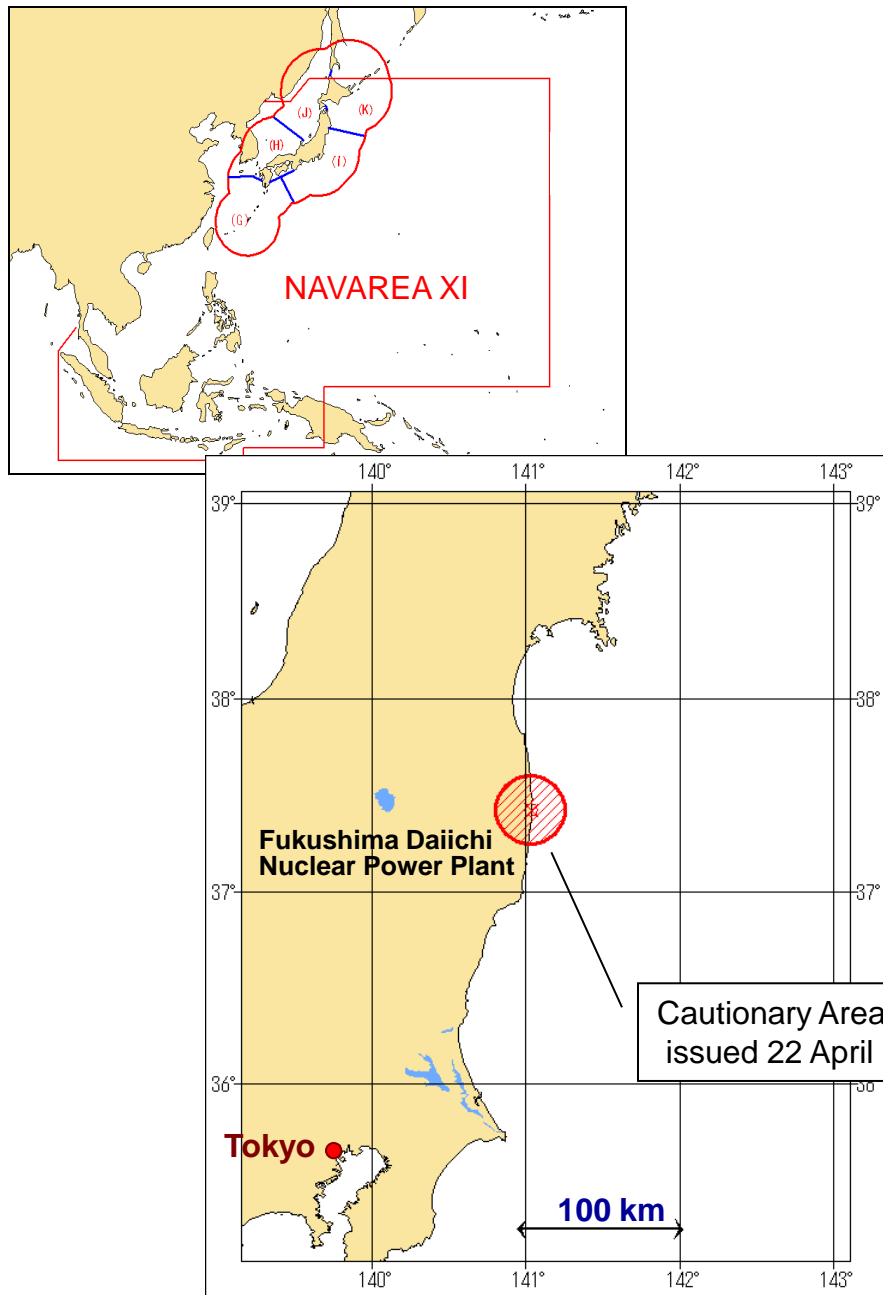
Drifting hazards –Issuing Navigational Warnings-



NAVTEX 11-0907
HOUSHU, E COAST. SE OF KUJI WAN TO N OF INUBO SAKI.
NUMEROUS VESSELS AND OBJECTS, CONTAINED A PART OF HOUSE ADRIFT W OF LINE JOINING.
40-07.3N 142-03.4E 38-05.0N 143-11.1E
37-38.1N 142-41.8E 36-49.0N 142-17.0E
36-22.1N 142-49.4E 36-13.0N 140-56.2E
AT 250700Z MAR
CANCEL 0899/11

NAVTEX 11-0908
HOUSHU, E COAST. N OF HACHINOHE KO TO OF INUBO SAKI.
NUMEROUS VESSELS AND OBJECTS ADRIFT.
A. IN VICINITY OF 40-35.2N 141-31.3E
B. IN VICINITY OF LINE JOINING
39-20.0N 143-20.0E 39-20.0N 143-30.0E
39-17.6N 143-33.3E
C. WITHIN 10 MILES OF
38-25.0N 143-05.0E.
D. AREA BOUNDED BY
37-00.0N 143-04.5E 37-03.6N 143-34.8E
36-43.2N 144.14.0E 36-33.7N 143-32.5E
E. IN VICINITY OF LINE BETWEEN
36-01.5N 145-25.3E AND 35-58.0N 145-18.6E.
AT 250700Z MAR
CANCEL 0900/11

Fukushima Daiichi Nuclear Power Plants



Fukuichi Live camera

Video pictures of Units 1 to 4 at Fukushima Daiichi nuclear power station are available.



Windows Media is opened in Player
* System Requirements

- * Expect a 30 second time lag in the system delivery of the picture due to its communication path.
- * Images may be unclear under conditions of strong backlight, bad weather and nighttime darkness.
- * The service will be suspended during maintenance of equipment and/or other trouble.

Fukushima Daiichi nuclear power plant

As of 7 September 2011

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Thank you for your attention.

