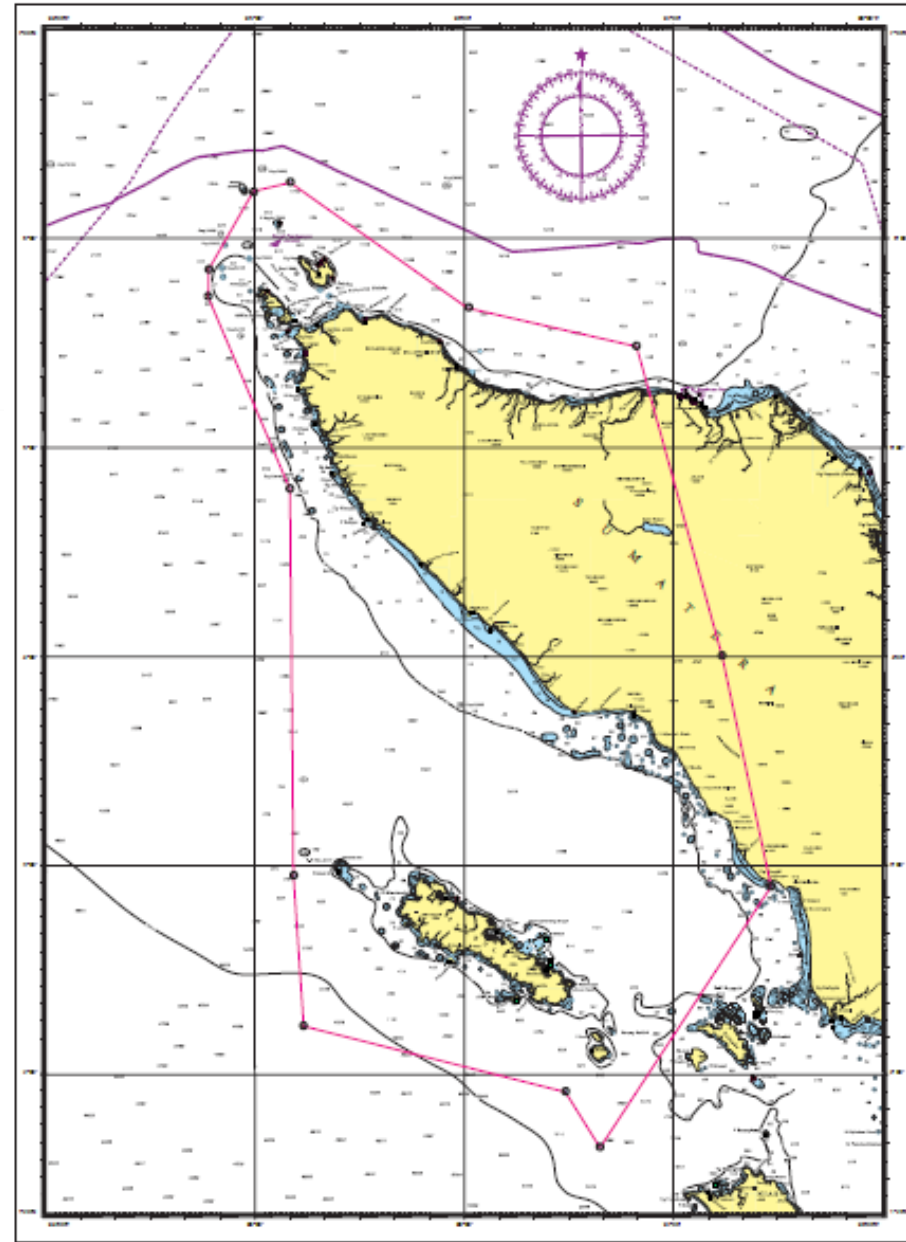
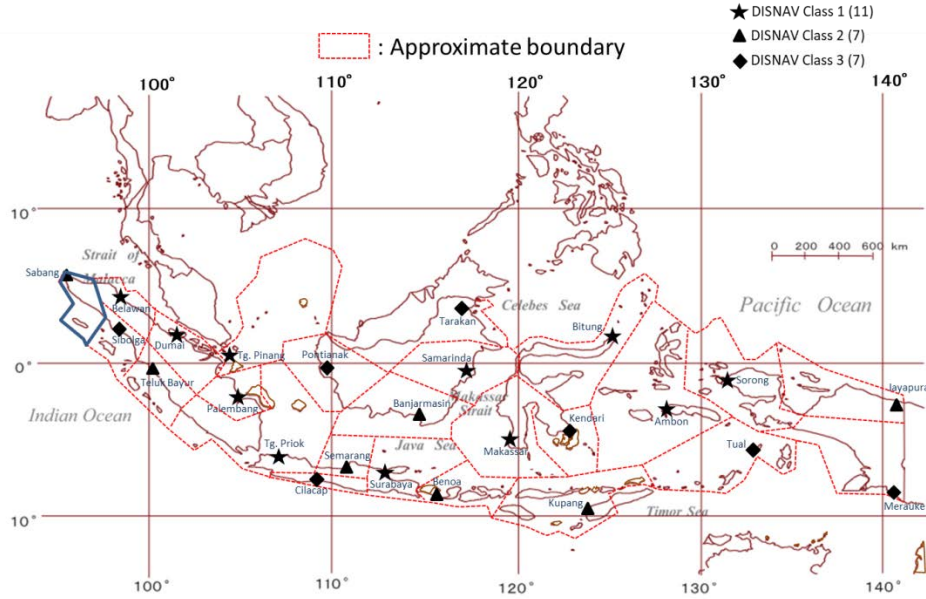


# Lampiran 4.1.5 -1

Location Map (AtoN)

# 1 DISNAV Sabang

## Outline of DISNAV Service Area



## 1-A Summary Table for Planned AtoN

### 1 DISNAV Sabang

No	Area	Planned AtoN					Reference (Purpose)
		No	Name	Location		Type	
				Latitude	Longitude		
1	Pulau Siumat	1	Mensu Pulau Siumat Sinabang	02°38' 44.43" N	096°23' 46.82" E	Lighthouse	Long-range Light
2	Aceh	1	Mensu Peusangan Bireun	05°16' 25.16" N	096°51' 6.29" E	Lighthouse	Long-range Light
		2	Ramsu Ujung Raja Sigli	05°14' 15.68" N	096°27' 55.20" E	Lighted Beacon	Middle-range Light
		3	Ramsu Merdu Sigli	05°15' 43.10" N	096°15' 33.09" E	Lighted Beacon	Middle-range Light

## 1-B Outline Map of Planned AtoN

### 1 Sabang ( II )

#### Planned AtoN

Pulau Siumat

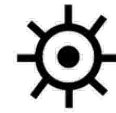
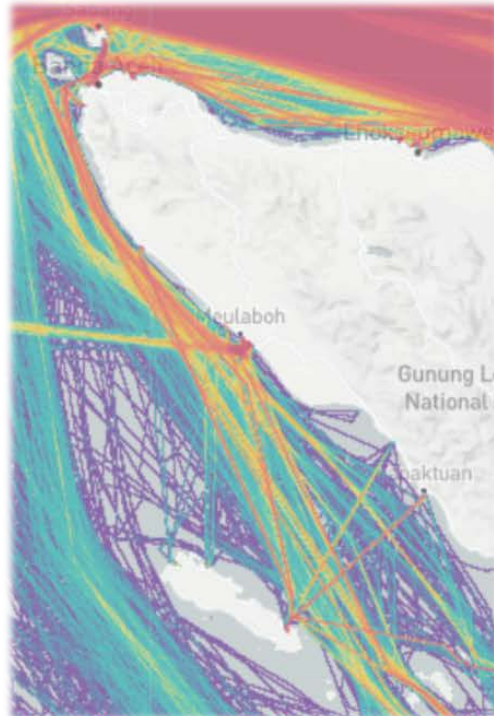
1 Mensu Pulau Siumat Sinabang (*L*)

Ache

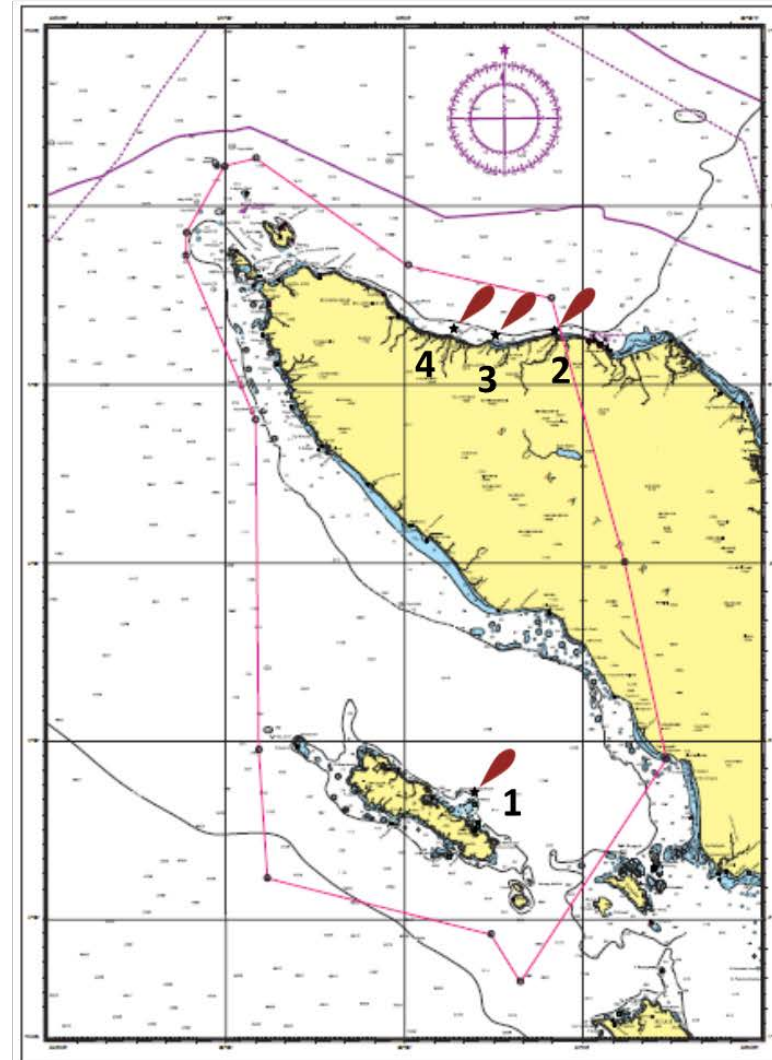
2 Mensu Peusangan Bireun (*L*)

3 Ramsu Ujung Raja Sigli (*LB*)

4 Ramsu Merdu Sigli (*LB*)



Location Map





# Planned AtoN

## 1 Mensu Pulau Siumat Sinabang (Lighthouse)

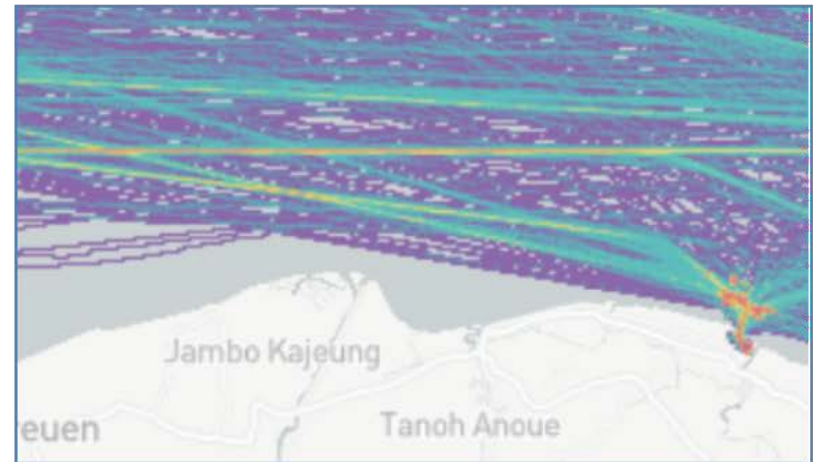
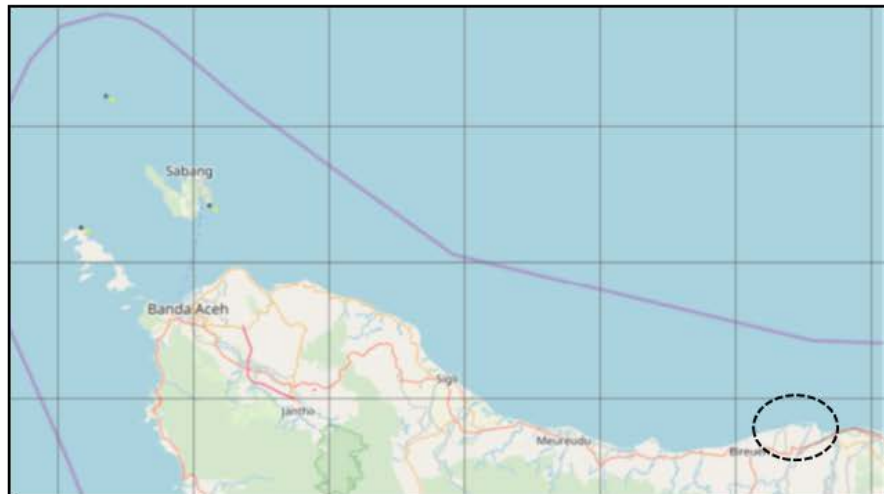
( 02° 38' 44.43" N 96° 23' 46.82" E )



# Planned AtoN

2 Mensu Peusangan Bireun  
( 05° 16' 25.16" N 096° 51' 6.29" E )

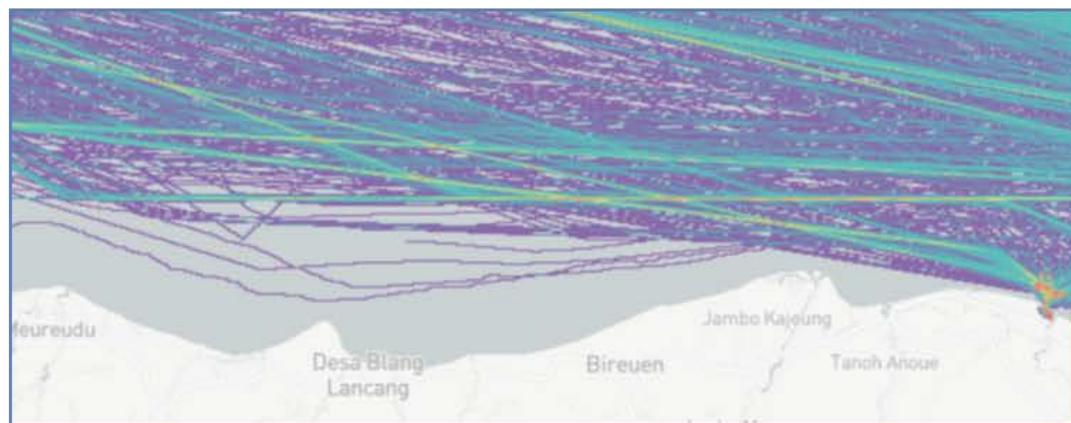
*(Lighthouse)*



# Planned AtoN

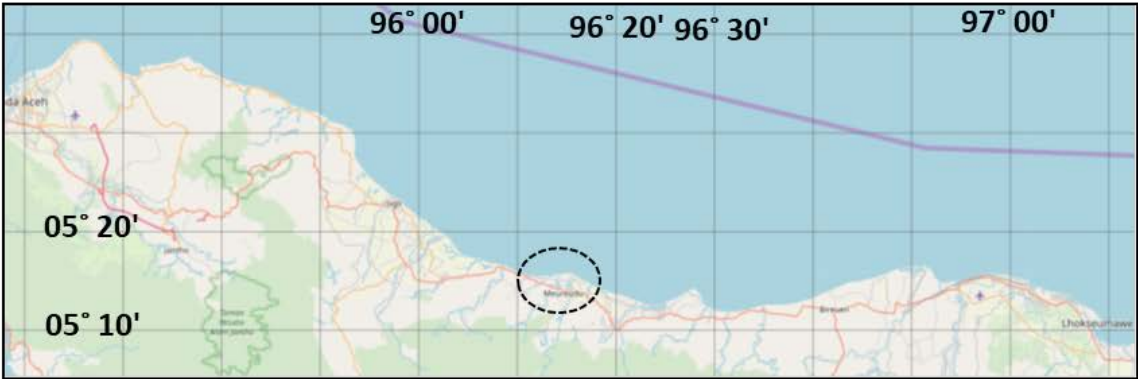
3 Ramsu Ujung Raja Sigli  
( 05° 14' 15.68" N 096° 27' 55.20" E )

*(Lighted Beacon)*



# Planned AtoN

4 Ramsu Merdu Sigli (*Lighted Beacon*)  
(05° 15' 43.10" N 096° 15' 33.09" E)



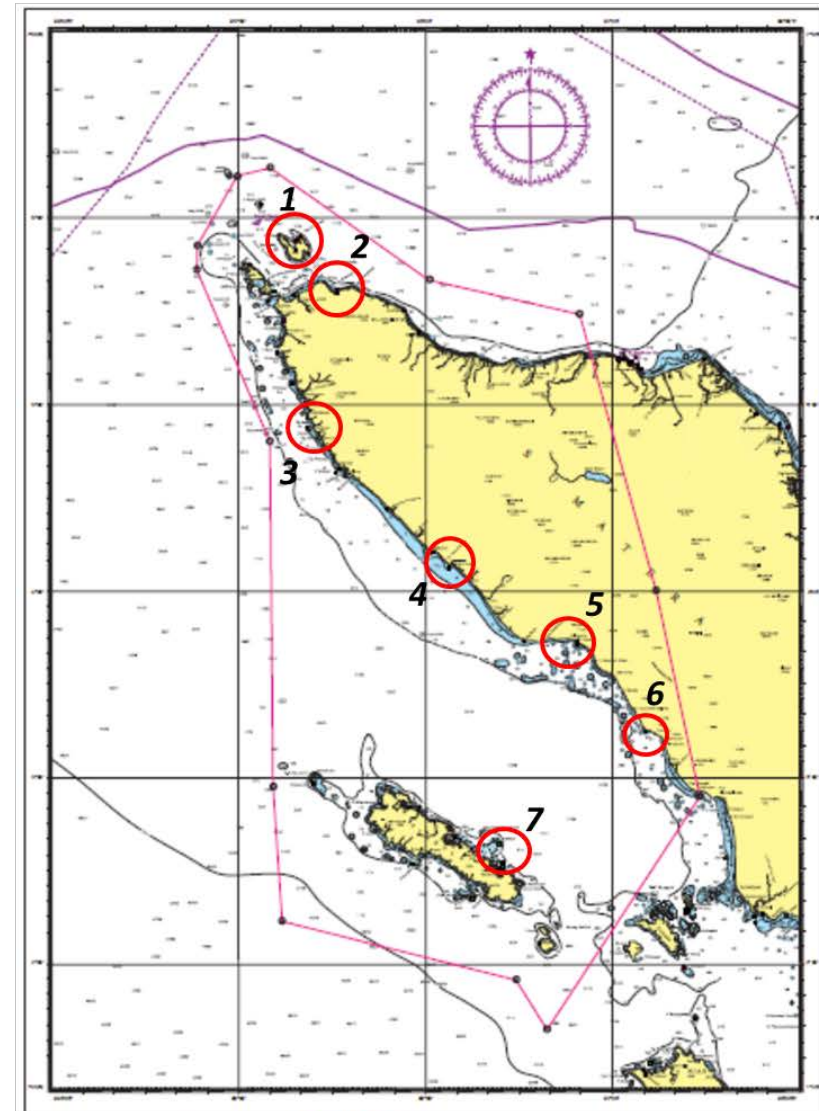
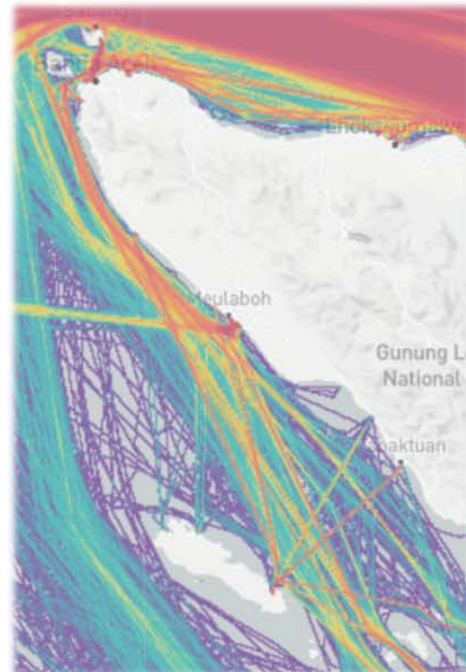




## 1-B Existing Ship Routing

### Existing Ship Routing (Public Port)

- 1 Pelabuhan Sabang
- 2 Pelabuhan Malahayati
- 3 Pelabuhan Calang
- 4 Pelabuhan Meulaboh
- 5 Pelabuhan Susoh
- 6 Pelabuhan Tapaktuan
- 7 Pelabuhan Sinabang



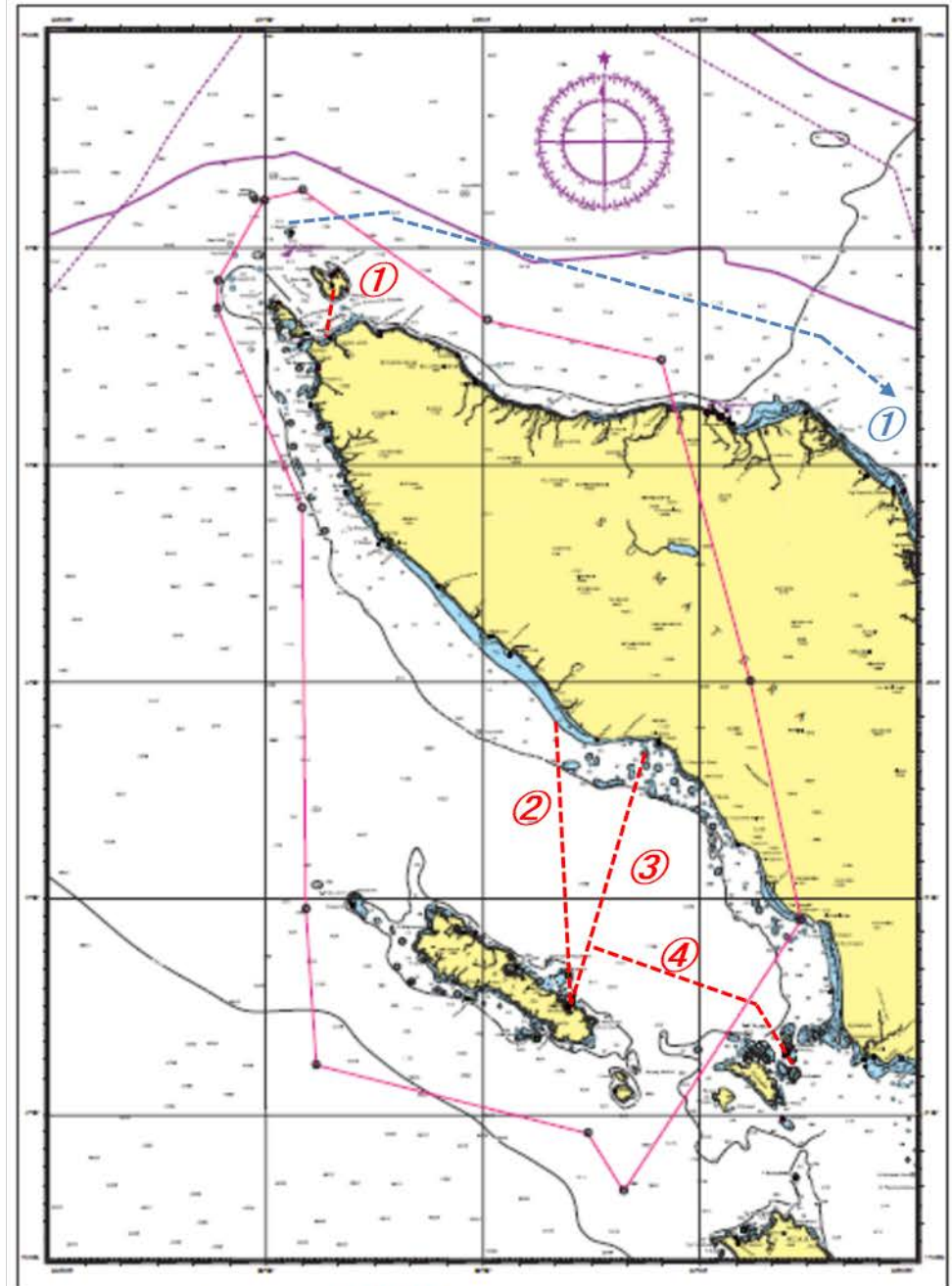


### Existing Ship Routing (Ferry Route)

- ① Balohan -- Ule Lheue
- ② Lhok Bubon -- Sinabang
- ③ Labuhan Haji -- Sinabang
- ④ Pulau Baleh -- Sinagang

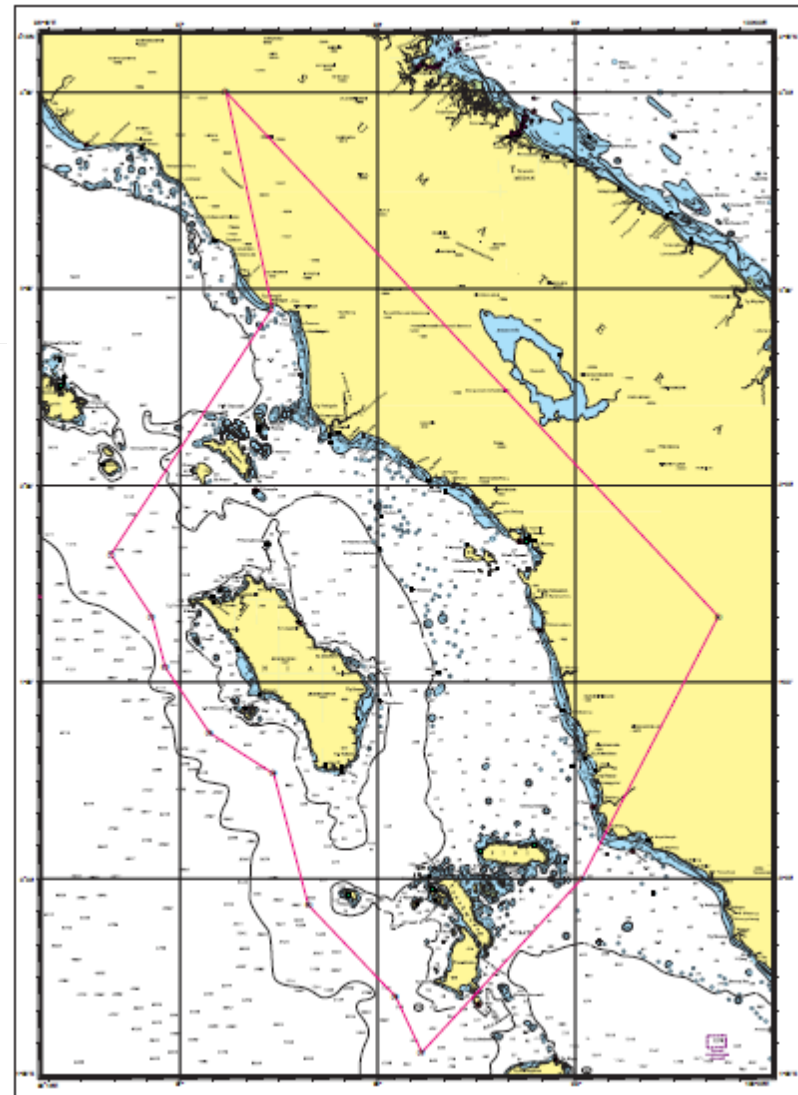
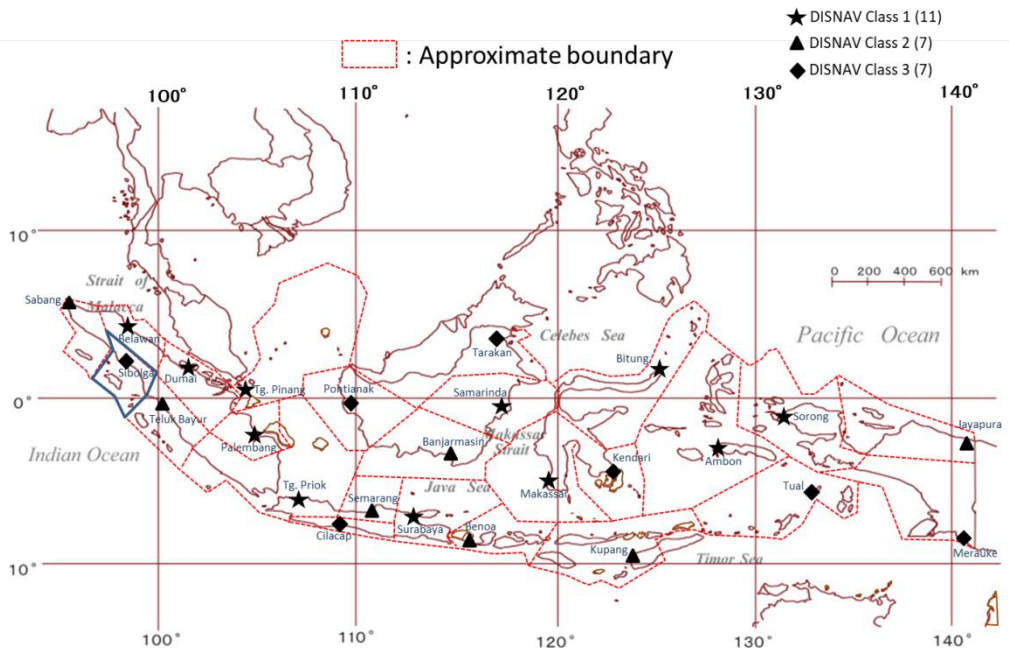
### Existing Ship Routing (International Route)

- ① Pulau Rondo -- One Fhatom Bank



# 3 DISNAV Sibolga

## Outline of DISNAV Service Area



# 1-A Summary Table for Existing AtoN

## 3 DISNAV Sibolga



KEMENTERIAN PERHUBUNGAN  
DIREKTORAT JENDERAL PERHUBUNGAN LAUT  
DISTRIK NAVIGASI KELAS III SIBOLGA

DAFTAR : LAPORAN KEADAAN SARANA BANTU NAVIGASI PELAYARAN  
DISTRIK NAVIGASI KELAS III SIBOLGA

Jl. Gatot Subroto Ujung | Telp. 0631- 3270020 | Telegram  
Pondok Batu Tap- Tengah | navigasi\_sibolga@yahoo.co.id | Faks. 0631-22197

NO.	LOKASI	DSI	POSISI	KETERANGAN
1	2	3	4	5
I.	<b>MENARA SUAR :</b>			
01.	Pulau Tamang	2690	00-21-55 U ; 099-05-26.0 T	<b>Racon Code Morse "G" Signal Range 16 NM</b> Dijaga 1 (satu) Orang TMS dan 1 (Satu) Orang PMS, dan 2 Orang Honorer Keadaan Lampu Menyala Baik.
02.	Ujung Karang	2710	01-42-56 U ; 098-43-23.0 T	<b>Racon Code Morse "K" Signal Range 16 NM</b> Dijaga 1 (satu) Orang TMS dan 1 (Satu) Orang PMS, dan 2 Orang Honorer Keadaan Lampu Menyala Baik.
03.	Pulau Ilir	2715	01-15-55 U ; 098-49-09.0 T	Dijaga 1 (satu) Orang TMS , 1 (Satu) Orang PMS 2 Orang Honorer Keadaan Lampu Menyala Baik.
04.	Pulau Sarang Aloe	2765	01-58-40 U ; 097-23-00.0 T	Dijaga 1 (satu) Orang TMS , 1 (Satu) Orang PMS 1 Orang Honorer Keadaan Lampu Menyala Baik.
05.	Pulau Sigata	2790	00-07-30 U ; 098-12-00.0 T	Dijaga 1 (satu) Orang TMS , 1 (Satu) Orang PMS dan 2 Orang Honorer Keadaan Lampu Menyala Baik.
06.	Pulau Wunga	2806	01-12-41 U ; 097-04-48.0 T	Dijaga 1 (satu) Orang TMS 1 (Satu) Orang PMS dan 2 Orang Honorer Keadaan Lampu Menyala Baik ( Pulau Tertuar )
07.	Pulau Hinako	2810	00-52-00 U ; 097-20-00.0 T	Dijaga 1 (satu) Orang TMS dan 1 (Satu) Orang PMS dan 2 Orang Honorer Keadaan Lampu Menyala Baik.
08.	Gunung Sitoli	2830	01-18-10 U ; 097-36-00.0 T	<b>Racon Code Morse "M" Signal Range 16 NM</b> Dijaga 1 (satu) Orang TMS , 1 (Satu) Orang PMS dan 2 Orang Honorer
09.	Pulau Simuk	2775	00-05-12 U ; 097-51-23.0 T	Dijaga 1 (satu) Orang TMS , 1 (Satu) Orang PMS dan 2 Orang Honorer Keadaan Lampu Menyala Baik. ( Pulau Tertuar )

## 1-B Outline Map of Existing AtoN (Lighthouse)

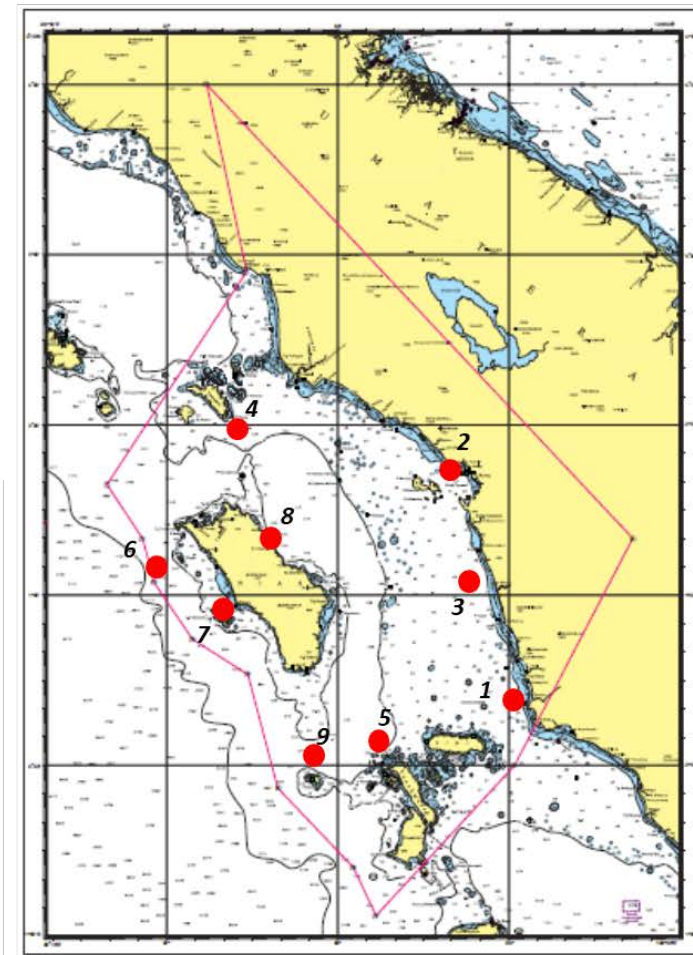
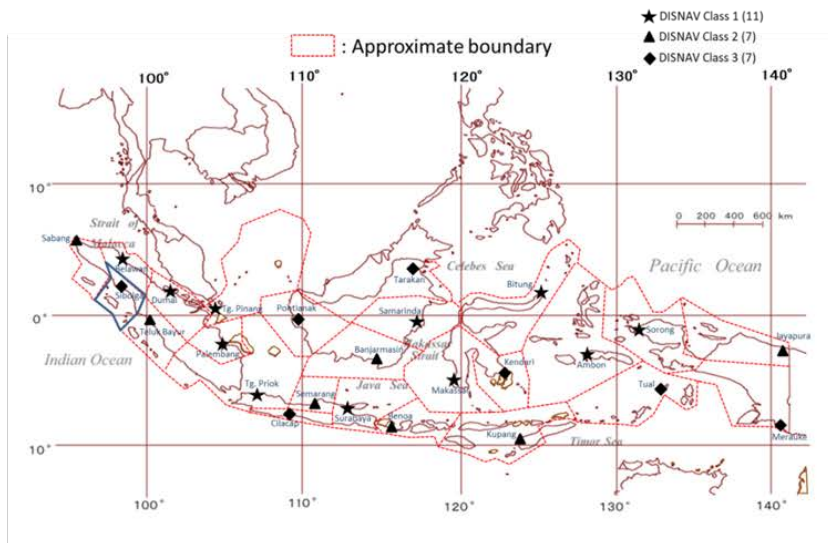
### *Nominated Area for Establishment Plan of AtoN, VTS*

### 3 DISNAV Sibolga

Existing AtoN (Lighthouse)

- 1 Pulau Tamang
- 2 Ujung Karang
- 3 Pulau Ilir
- 4 Pulau Sarang Aloe
- 5 Pulau Sigata
- 6 Pulau Wunga
- 7 Pulau Hinako
- 8 Gunung Sitoli
- 9 Pulau Simuk

#### Outline of DISNAV Service Area

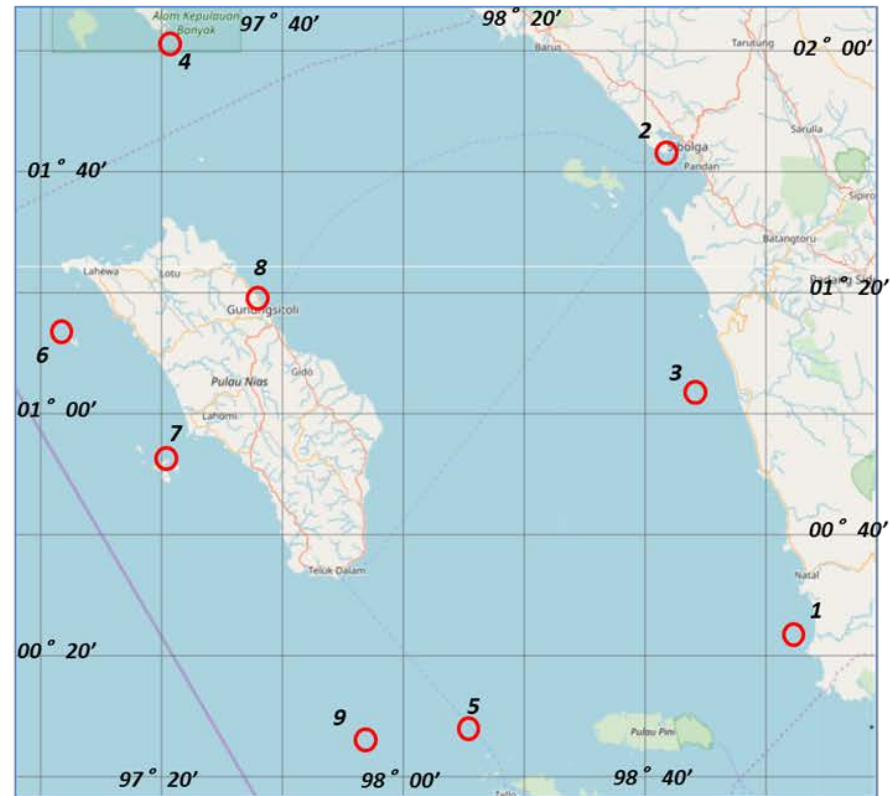
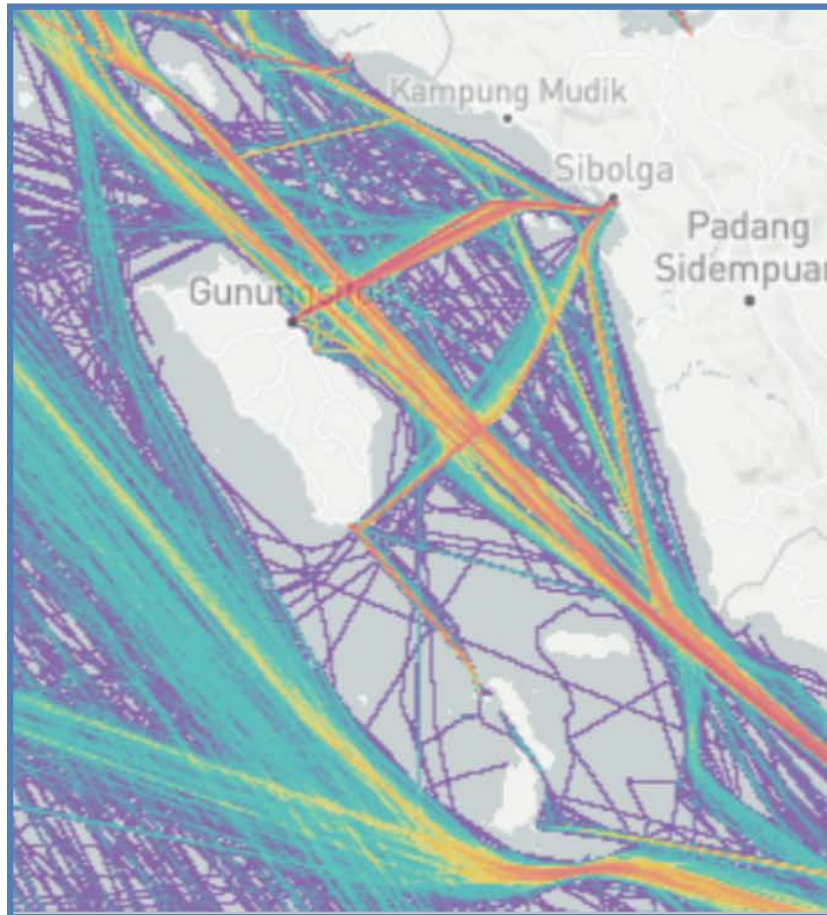




### 3 Sibolga

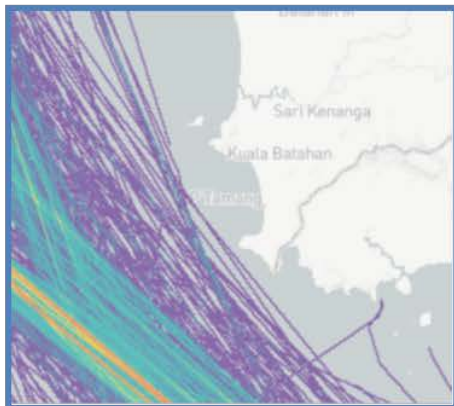
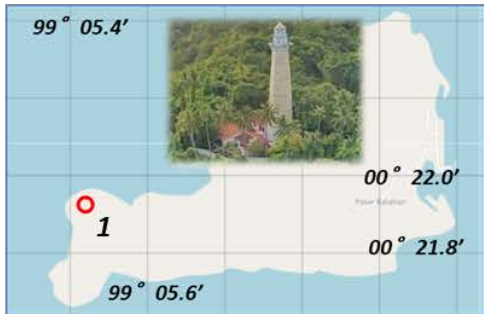
Existing AtoN (Lighthouse)

- 1 Pulau Tamang
- 2 Ujung Karang
- 3 Pulau Ilir
- 4 Pulau Sarang Aloe
- 5 Pulau Sigata
- 6 Pulau Wunga
- 7 Pulau Hinako
- 8 Gunung Sitoli
- 9 Pulau Simuk



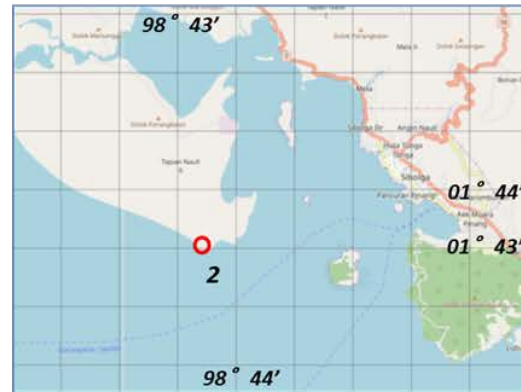
# 1 Pulau Tamang

( 00° 21' 55" N 99° 05' 26.0" E )



# 2 Ujung Karang

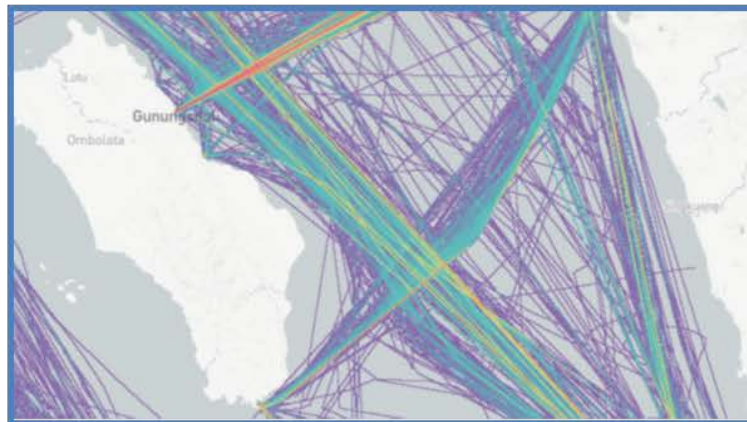
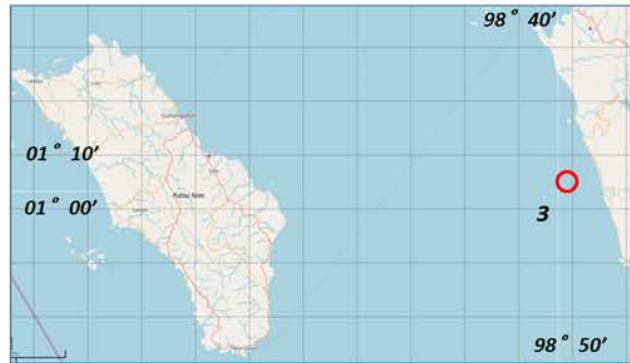
( 01° 42' 56" N 98° 43' 23.0" E )





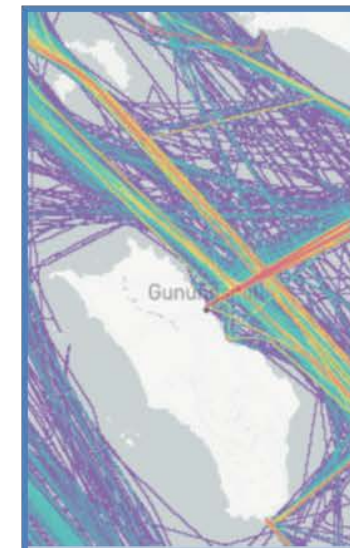
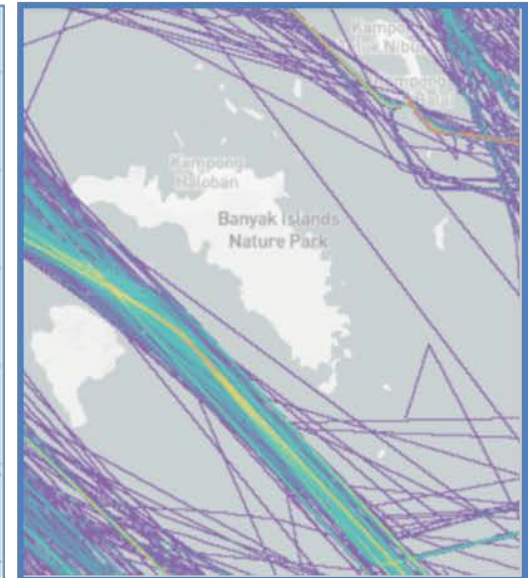
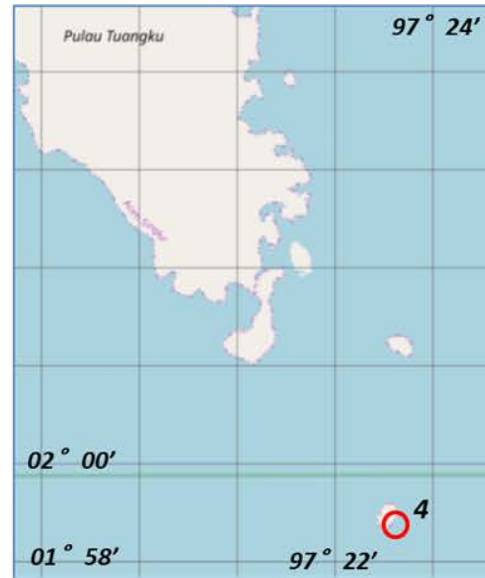
### 3 Pulau Ilir

( 01° 05' 55" N 98° 49' 09.0" E )



### 4 Pulau Sarang Aloe

( 01° 58' 40" N 97° 23' 00" E )



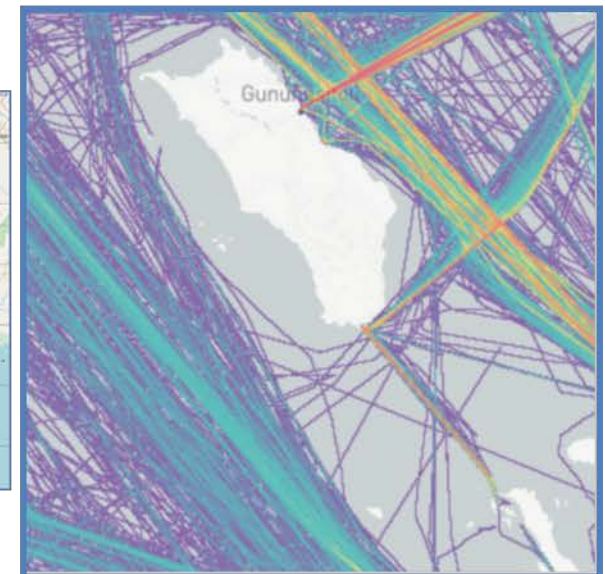
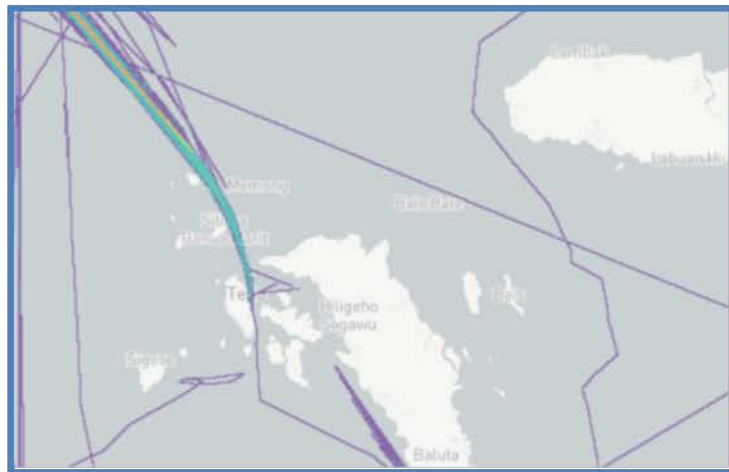
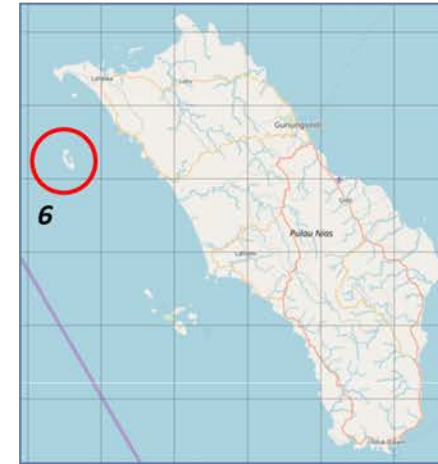
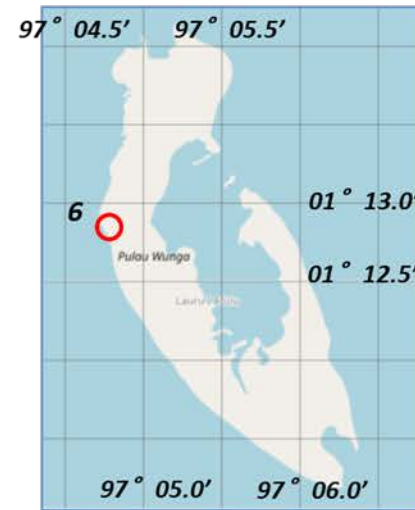
## 5 Pulau Sigata

( $00^{\circ} 07' 30''$  N  $98^{\circ} 12' 00''$  E)



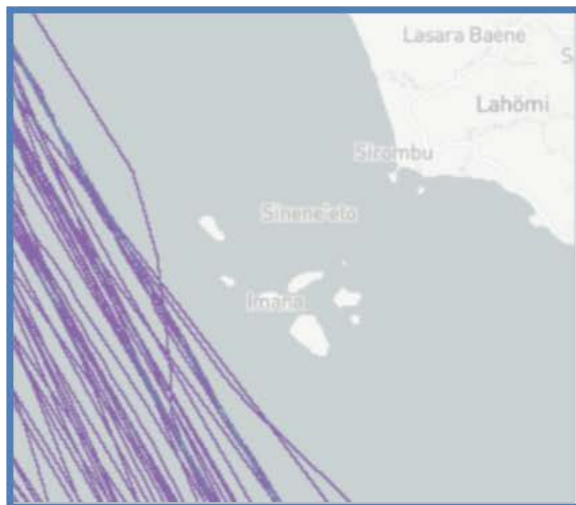
## 6 Pulau Wunga

( $01^{\circ} 12' 41''$  N  $97^{\circ} 04' 48.0''$  E)



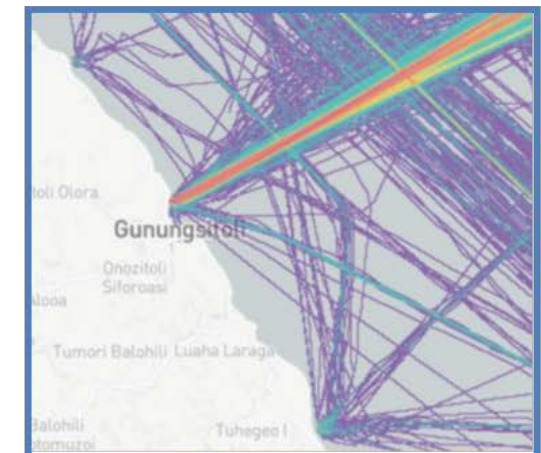
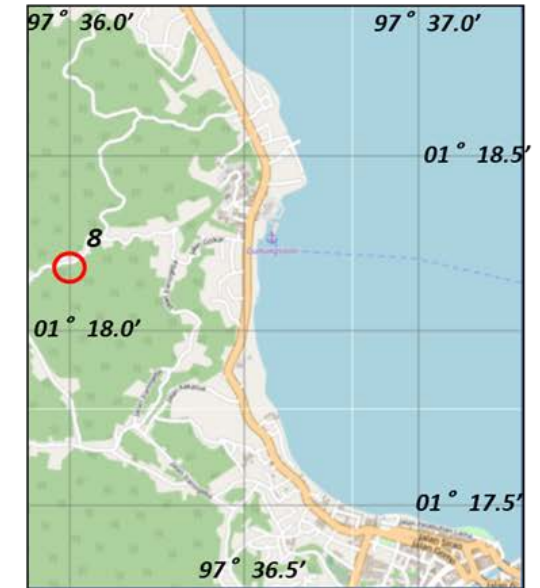
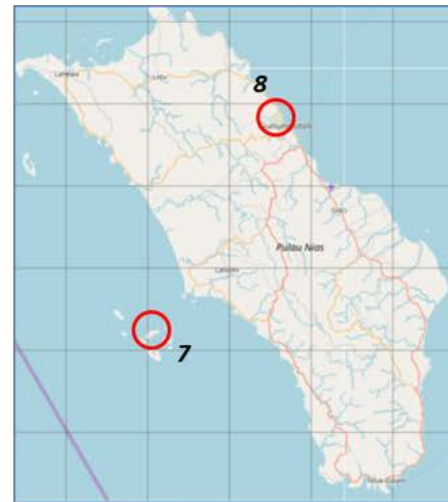
## 7 Pulau Hinako

(00° 52' 00" N 97° 20' 00" E)



## 8 Gunung Sitoli

(01° 18' 10" N 97° 36' 00" E)

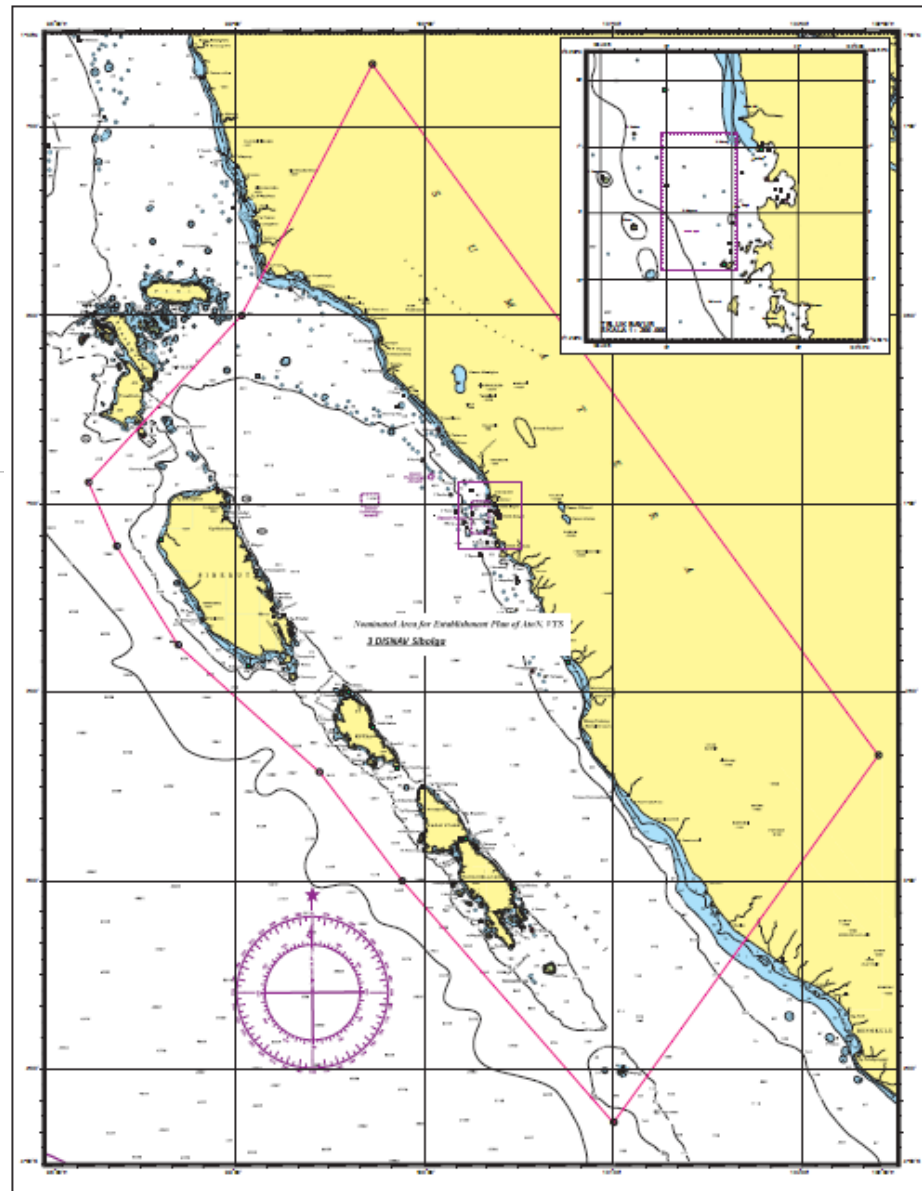
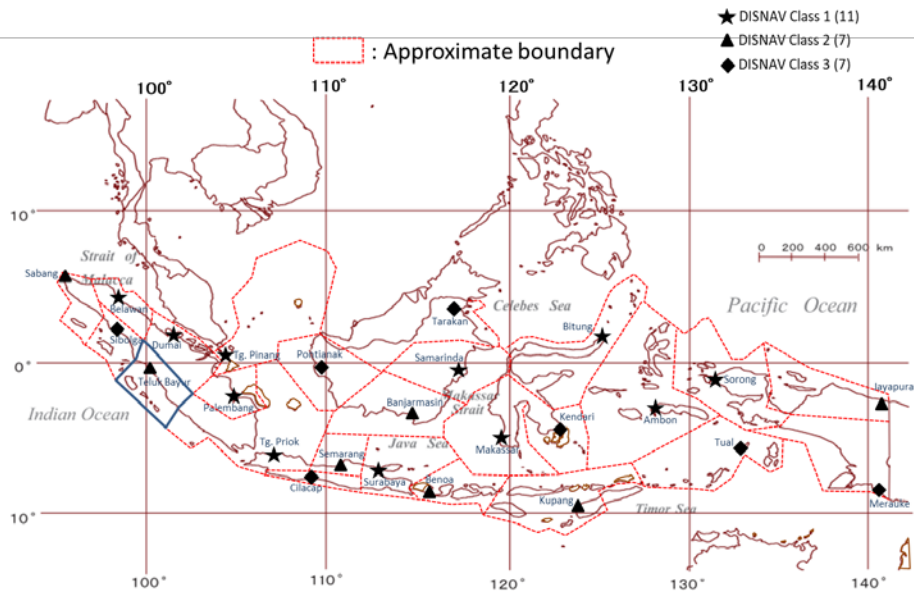






# 4 DISNAV Teluk Bayur

## Outline of DISNAV Service Area



## 1-A Summary Table for Planned AtoN

### 4 DISNAV Teluk Bayur

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Pariaman	1	Rs. Ma. Karsik Pariaman	-----	-----	Lighted Beacon	Middle-range Light
2	Kamgang	1	Rs. Ma. Kambang Hijau I	-----	-----	Lighted Beacon	Middle-range Light
		2	Rs. Ma. Kambang Merah II	-----	-----	Lighted Beacon	Middle-range Light

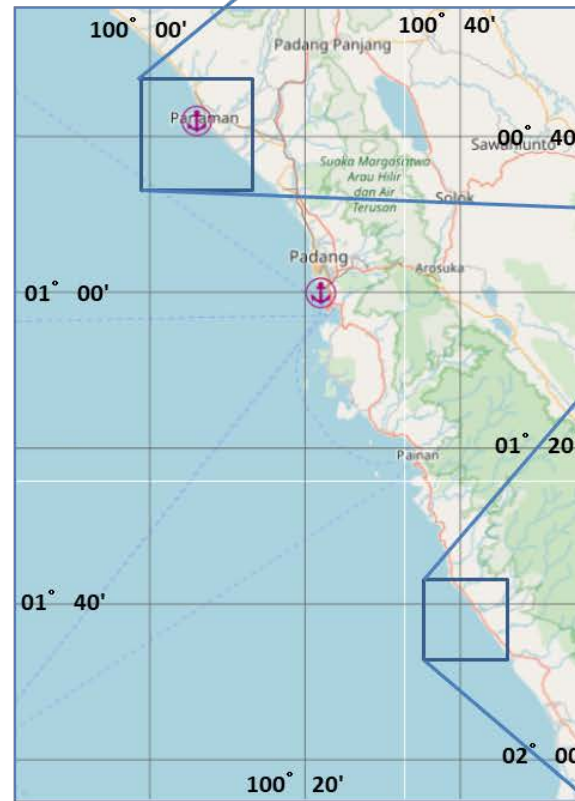
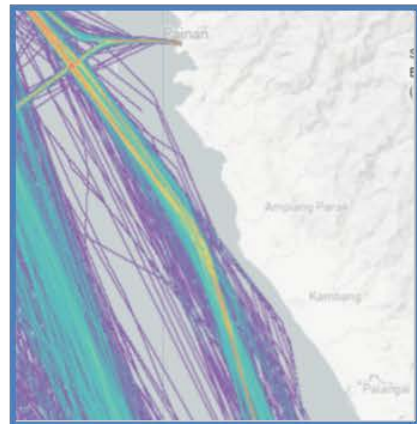
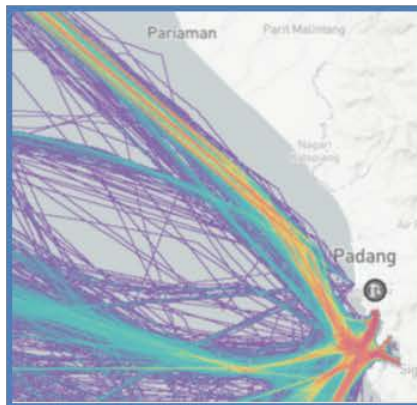




## 4 Teluk Bayur ( I )

### Planned AtoN

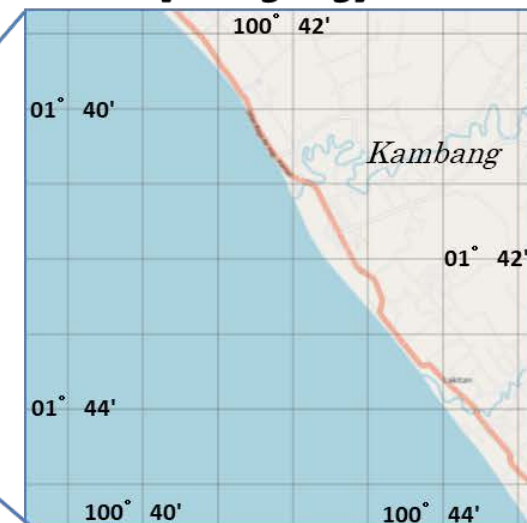
- 1 Rs. Ma. Karsik Pariaman (Lighted Beacon)
- 2 Rs. Ma. Kambang Hijau I (Lighted Beacon)
- 3 Rs. Ma. Kambang Merah II (Lighted Beacon)



### [Pariaman]



### [Kambang]



**Sheet ③ Reporting Format for List of Planned AtoN**  
 Lembar ③ (Format Pelaporan Daftar AtoN yang direncanakan)

Name of Sea Area / Port : Fill Out (Diisi)

District : **Teluk Bayur (4)**

Chart No (Name) : Fill Out (Diisi)

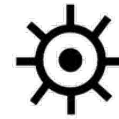
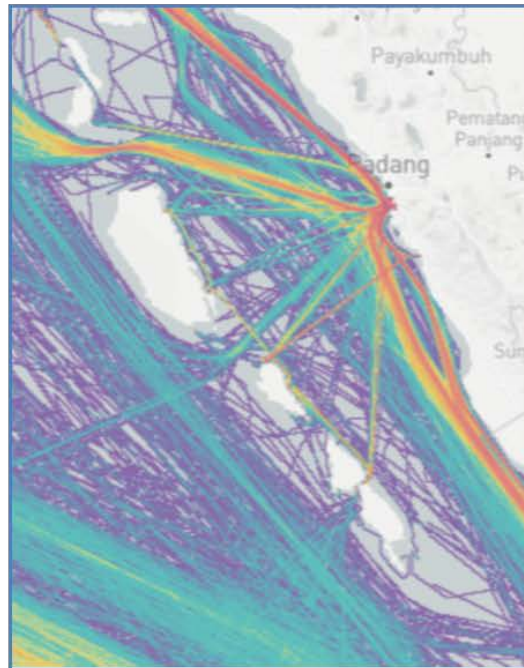
Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)						Remarks/Catatan		
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7)	Light Color (*8) (Warna lampu)	Top Marks		Popular name (Fill out/Diisi)	
		Longitude	Latitude									Category (*9)			Shape (*10)
1	Rs. Ma. Karsik Pariaman	-	-	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 1 (Vital)	Starboard	Not Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Perairan Aman	White (Putih)	4 SAFE WATER MARKS	6 Not Applicable (n/a) / Tidak berlaku	Direncanakan Jangka Menengah	
2	Rs. Ma. Kambang Hijau I	-	-	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Dermaga/Peleabuhan) (area terbatas)	Category 1 (Vital)	Port (Peleabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Perairan Aman	Green (Hijau)	4 SAFE WATER MARKS	6 Not Applicable (n/a) / Tidak berlaku	Direncanakan Jangka Menengah	
3	Rs. Ma. Kambang Merah II	-	-	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Dermaga/Peleabuhan) (area terbatas)	Category 1 (Vital)	Port (Peleabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Perairan Aman	Red (Merah)	4 SAFE WATER MARKS	6 Not Applicable (n/a) / Tidak berlaku	Direncanakan Jangka Menengah	



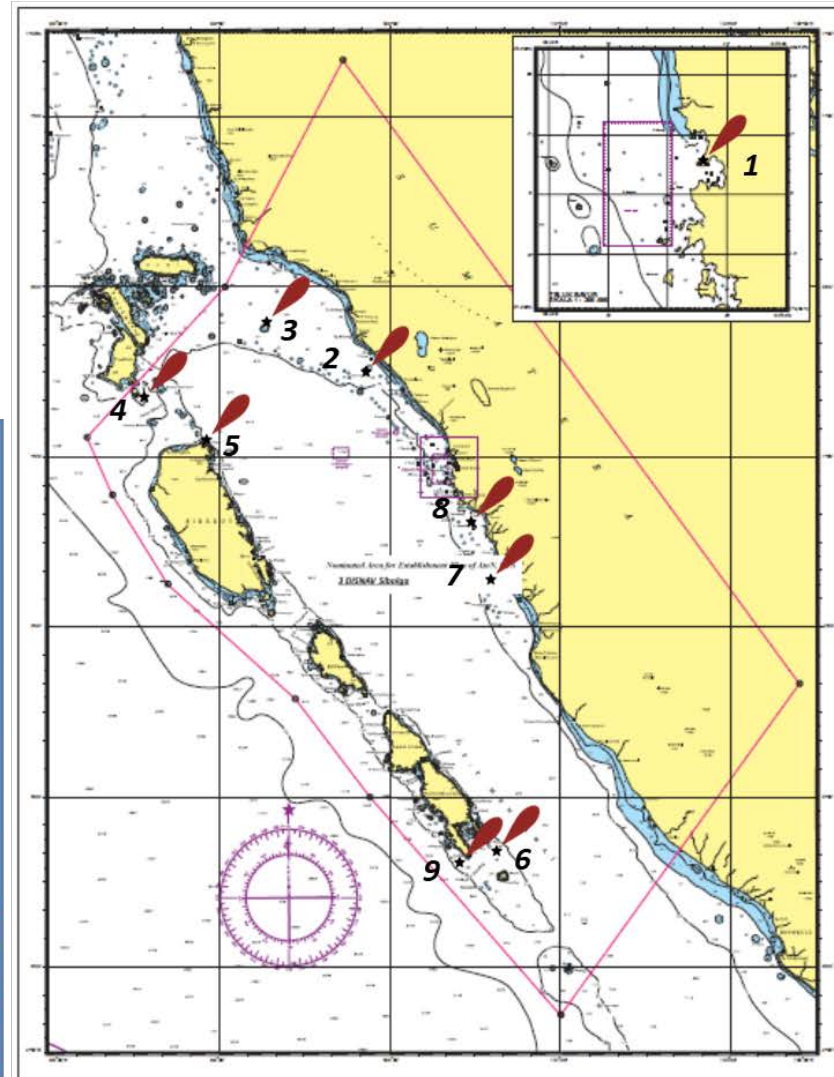
## 1-B Existing AtoN

### Existing AtoN (Lighthouse)

- 1 OS. Beramas
- 2 Karsik
- 3 Pangkal
- 4 Bojo
- 5 Tg. Sigep
- 6 Simonga
- 7 Katang Katang
- 8 Keraba Kecil
- 9 Sibaru Baru

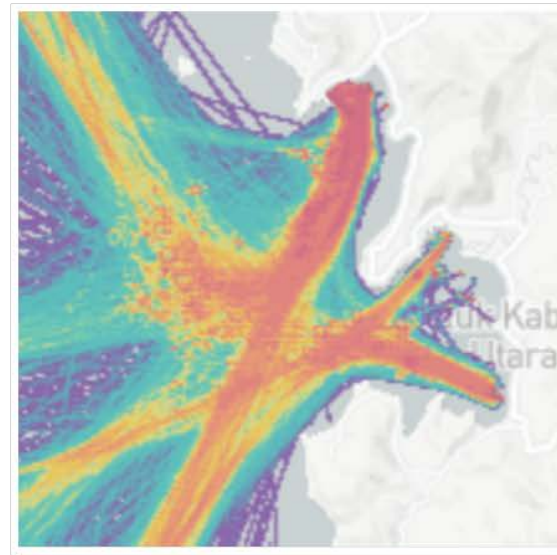


Location Map (Lighthouse)



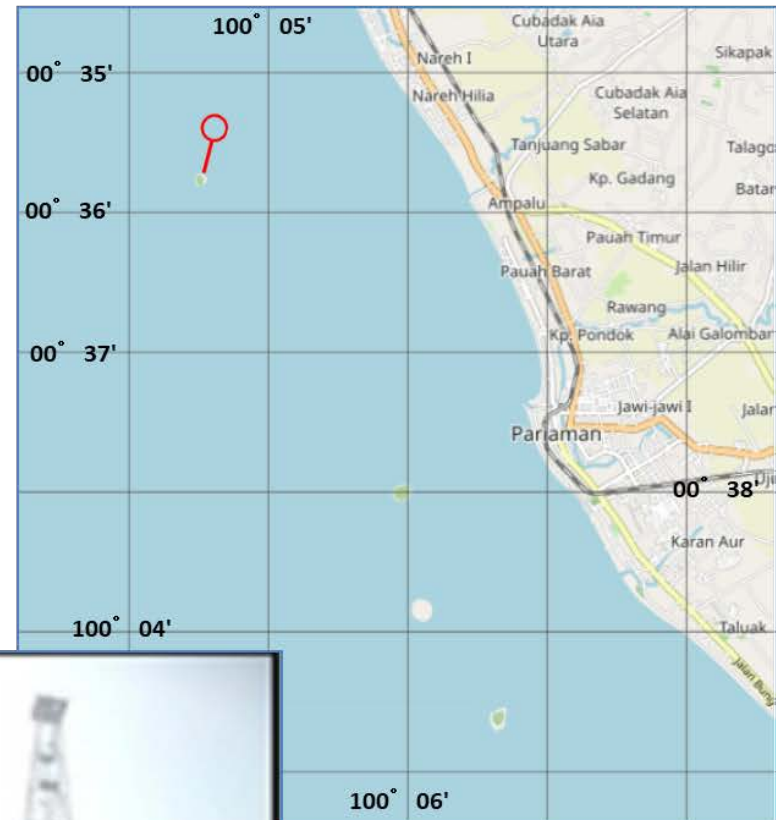
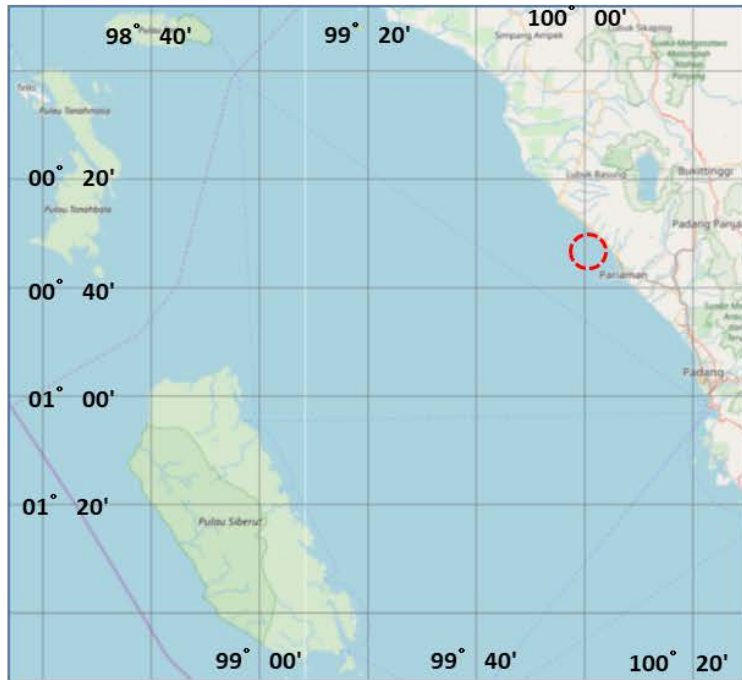
# 1 OS. Beramas

( $1^{\circ} 02'24.0''S$   $100^{\circ} 22'32.0''E$ )



## 2 Karsik

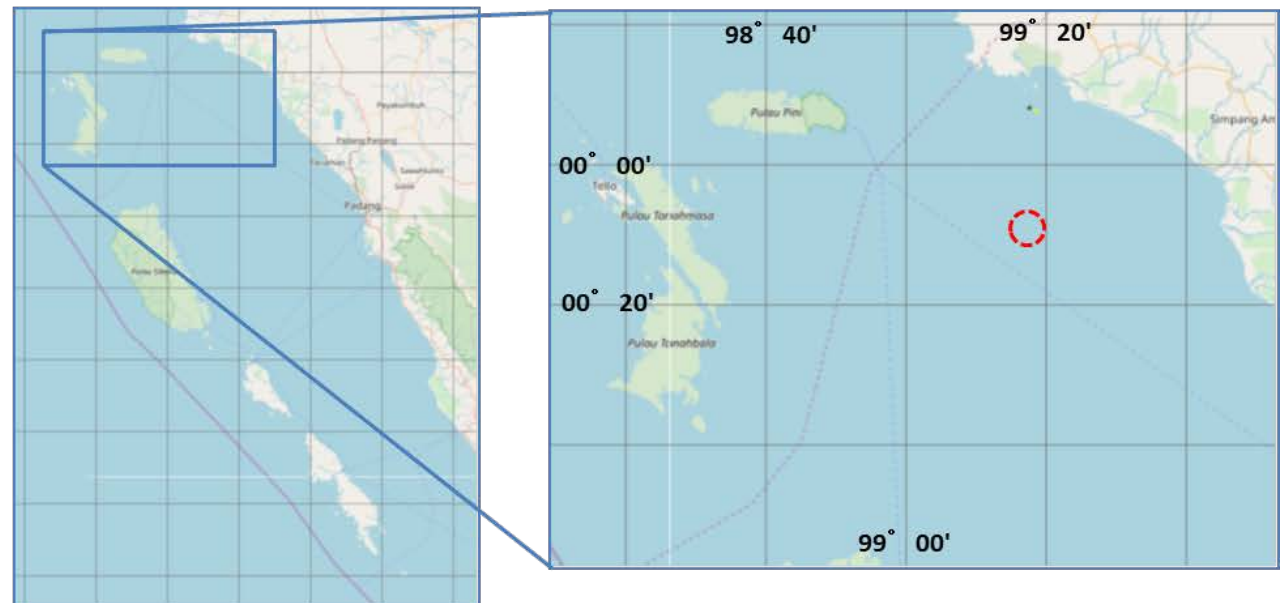
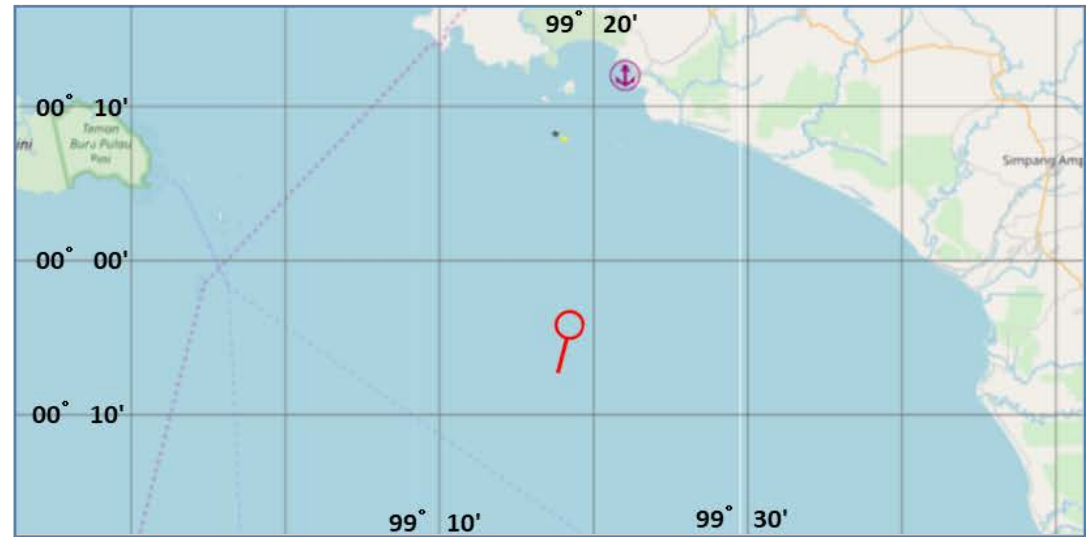
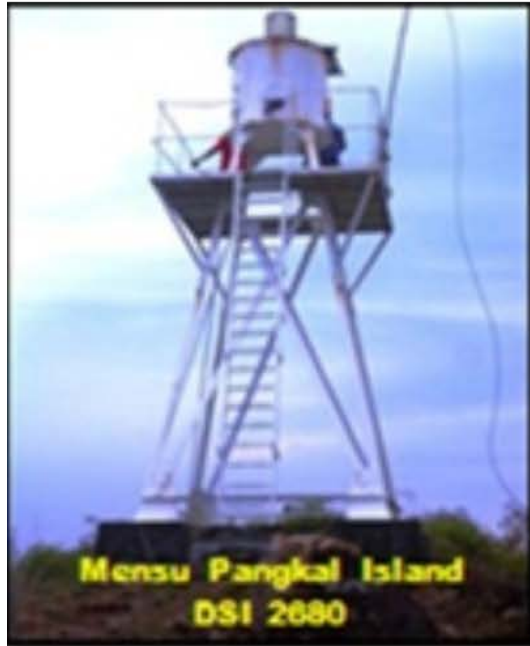
( $0^{\circ} 35'47.4''S$   $100^{\circ} 04'29.6''E$ )





### 3 Pangkal

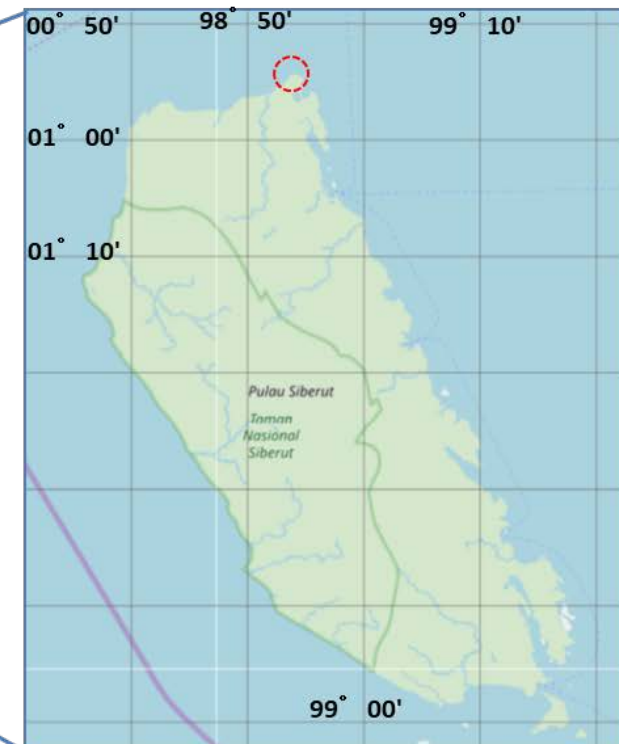
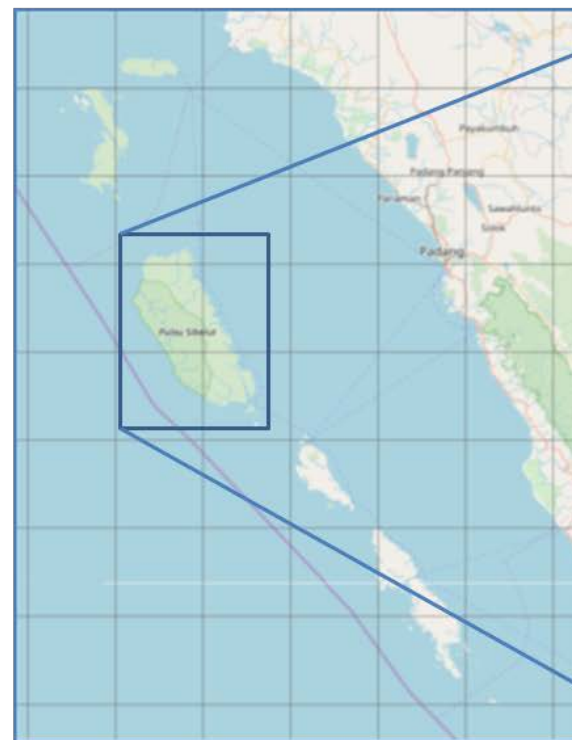
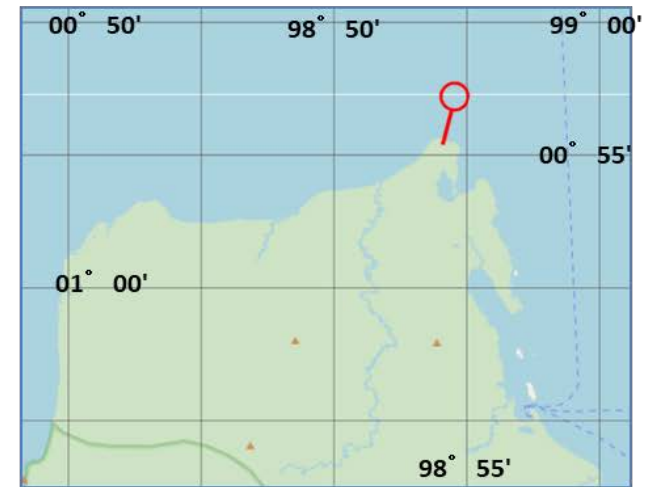
(0° 08'18.9"S 99° 17'38.9"E)





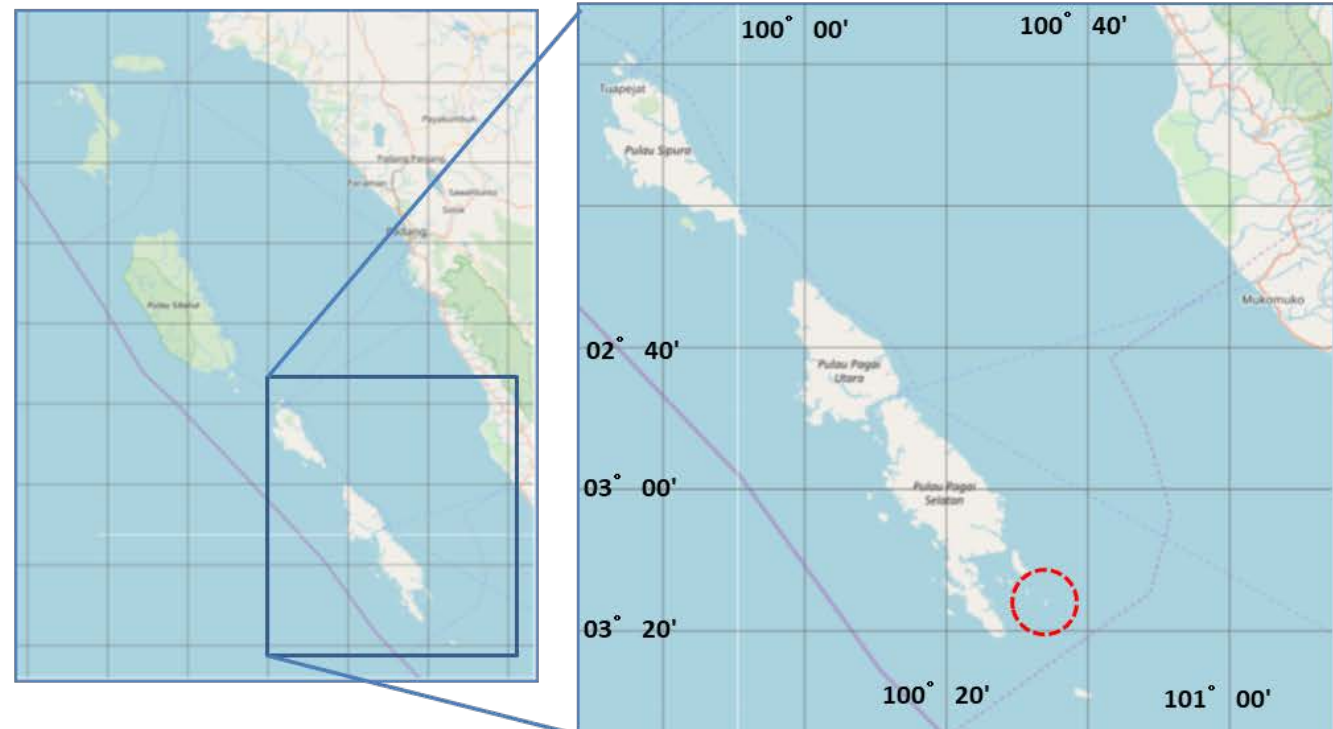
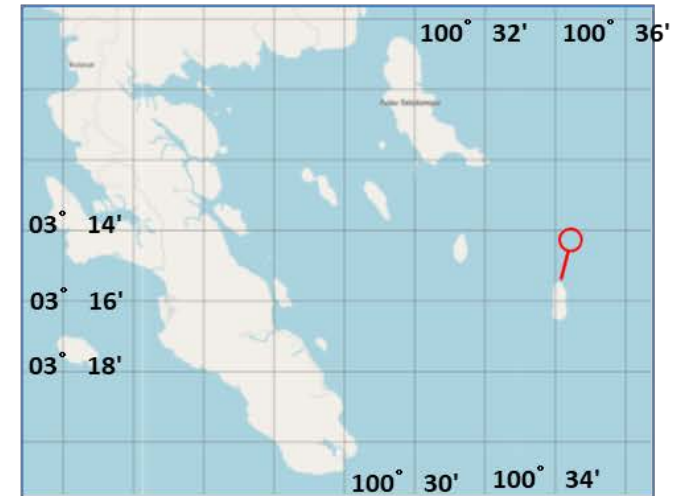
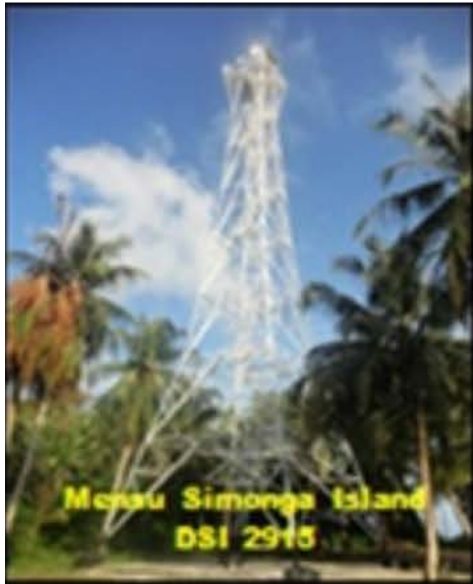
## 5 Tg. Sigep

( $0^{\circ} 54'53.0''S$   $98^{\circ} 54'12.0''E$ )



## 6 Simonga

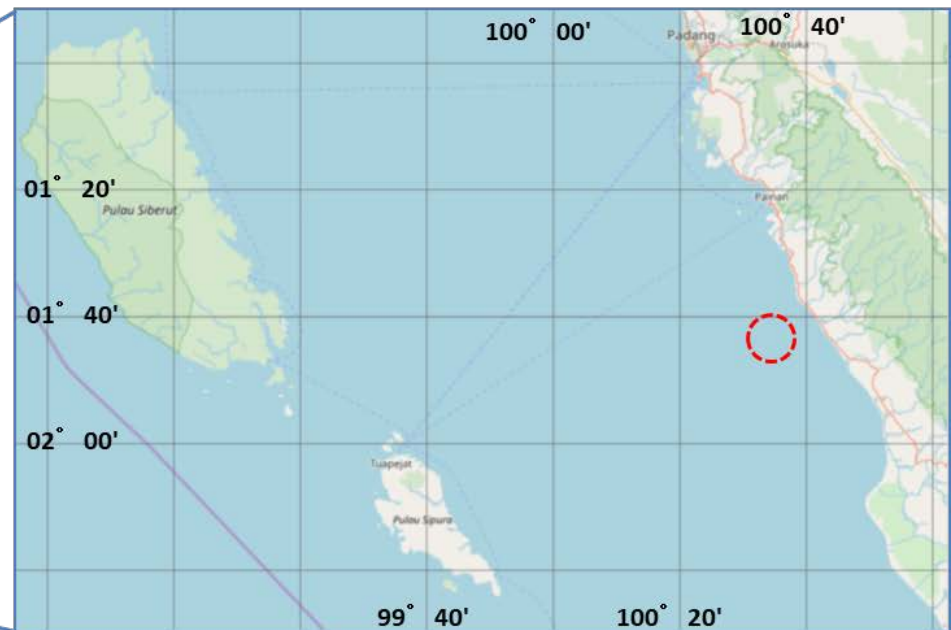
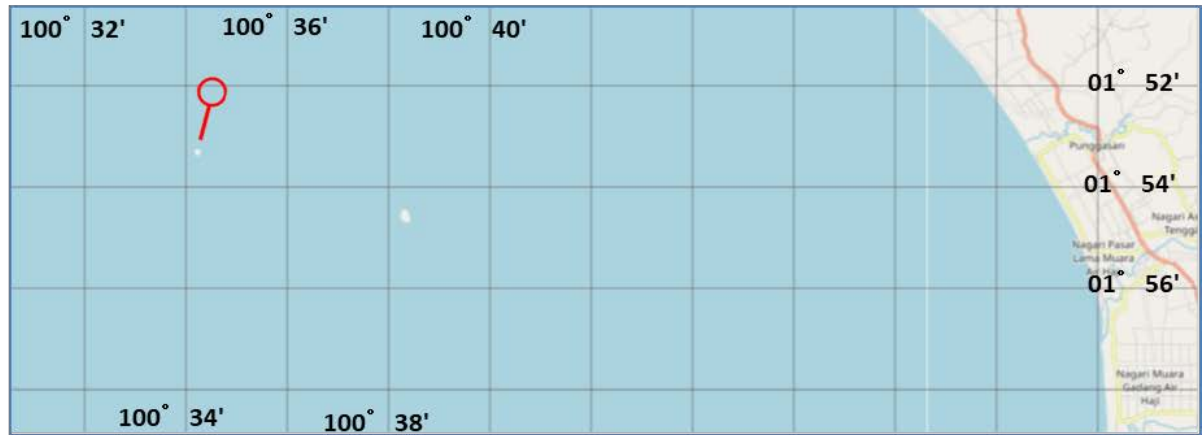
( $3^{\circ} 15'30.6''S$   $100^{\circ} 34'05.0''E$ )





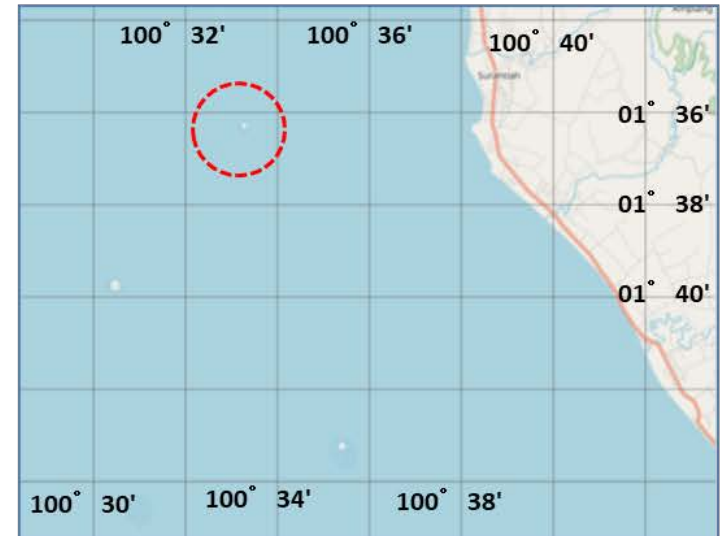
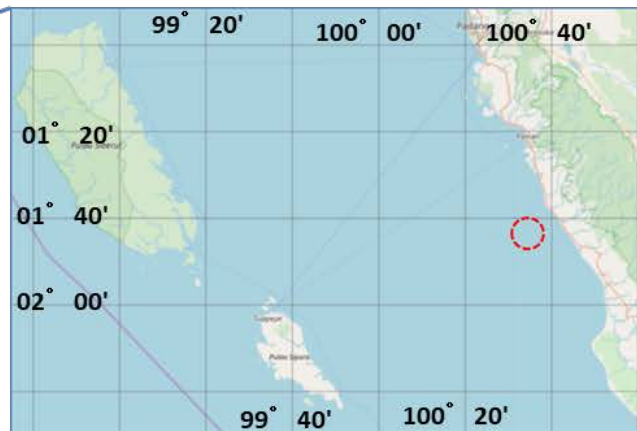
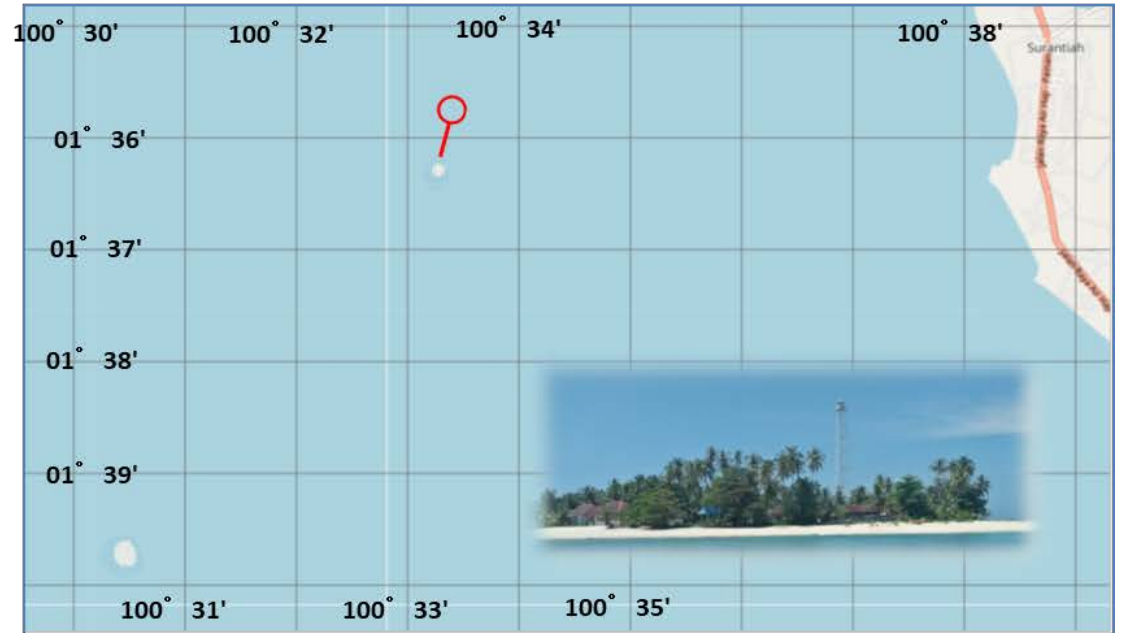
# 7 Katang Katang

( 1° 53'19.0"S 100° 34'12.6"E )



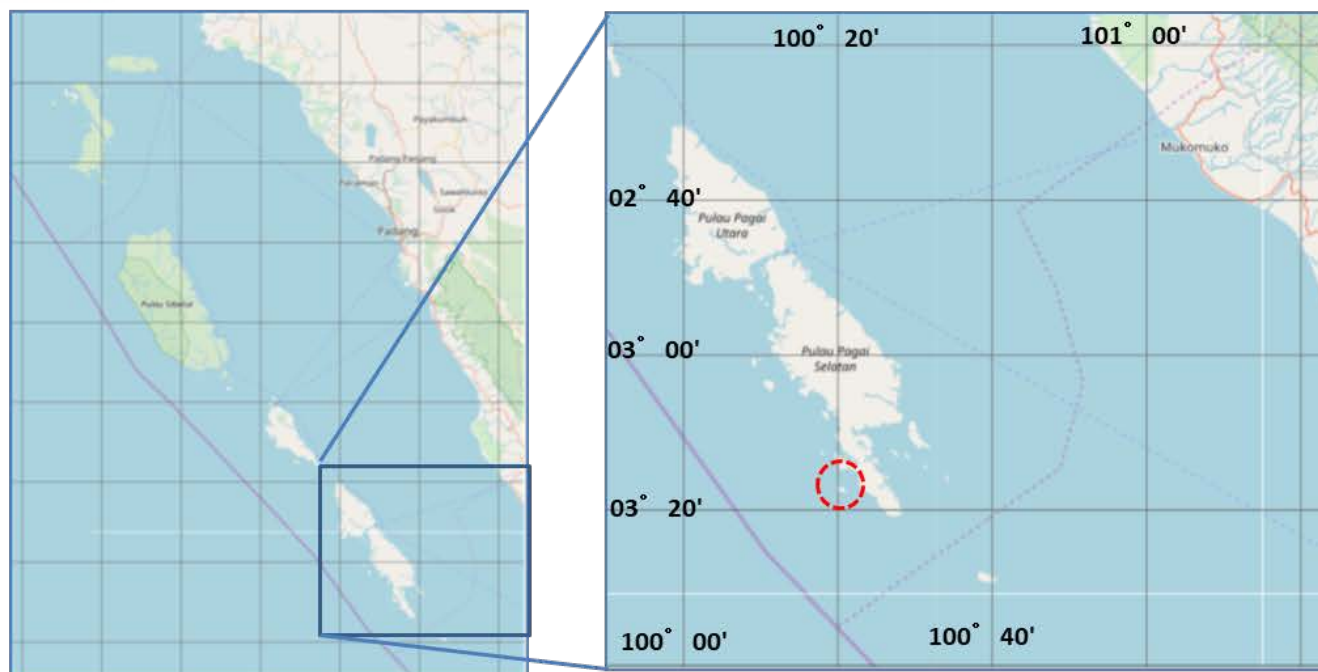
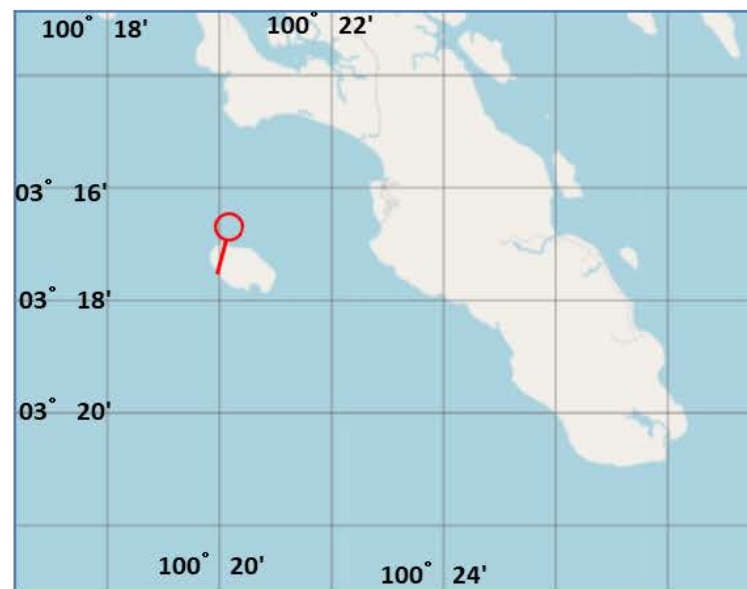
# 8 Keraba Kecil

(1° 36'17.0"S 100° 33'15.8"E)



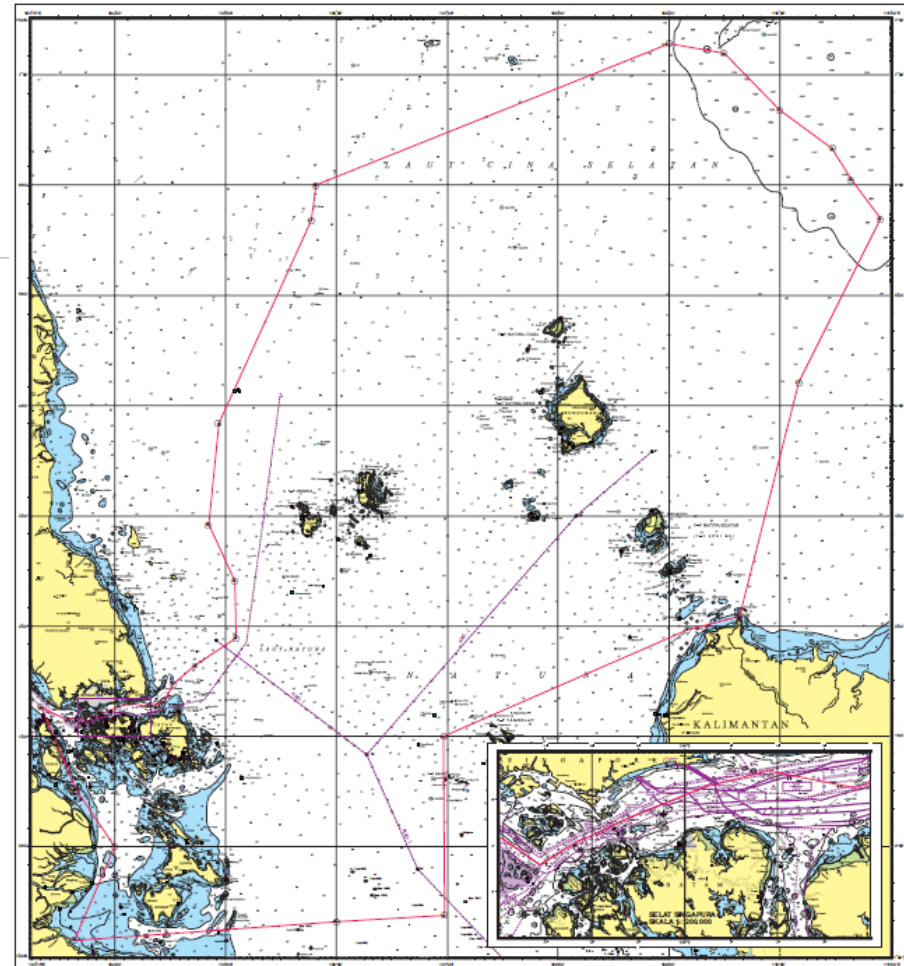
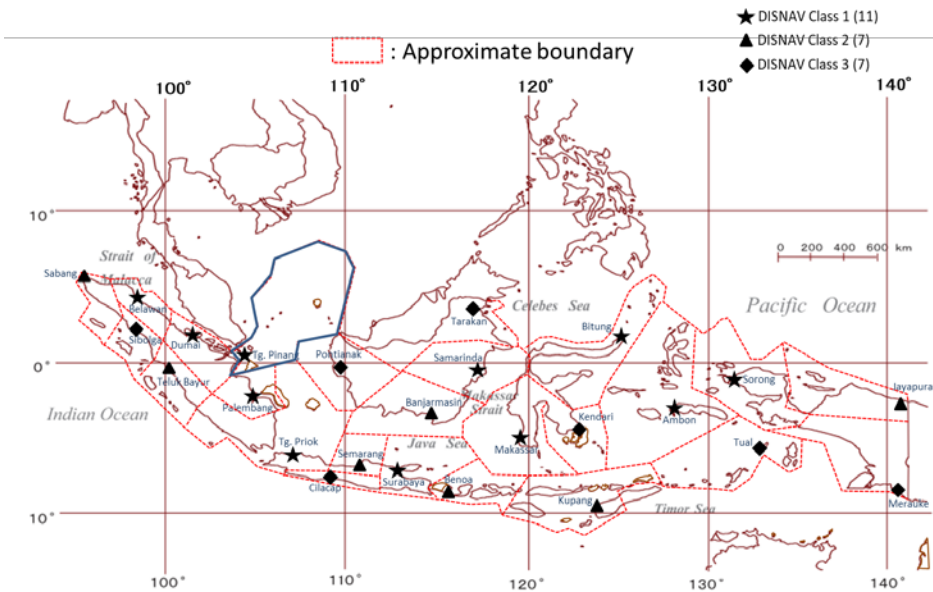
## 9 Sibaru Baru

(3° 17'18.0"S 100° 19'50.0"E)



# 5 DISNAV Tg. Pinang

## Outline of DISNAV Service Area





## 1-A Summary Table for Planned AtoN

### 5 DISNAV Tg. Pinang

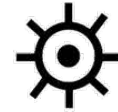
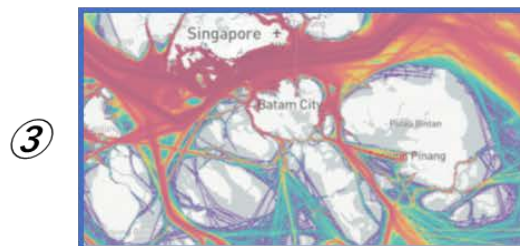
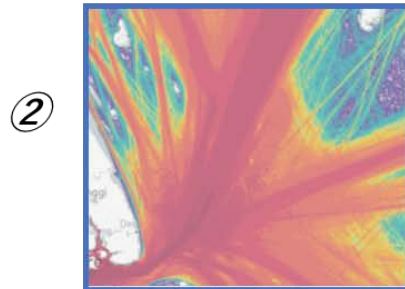
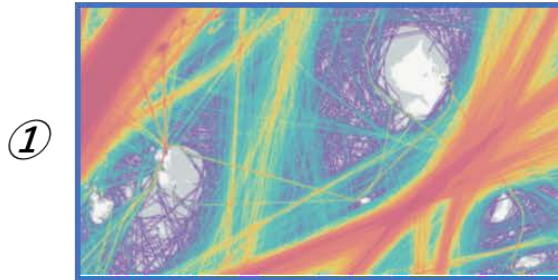
No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Pelabuhan Selat Lampa		-----	-----	-----	Harbor/Port	Pelabuhan Pengumpul
2	Rambu Suar Malang Biru		-----	-----	-----	Offshore Water	Tanda Pulau Terdepan
3	Rambu Suar Menvil		-----	-----	-----	Offshore Water	

## 1-B Outline Map of Planned AtoN

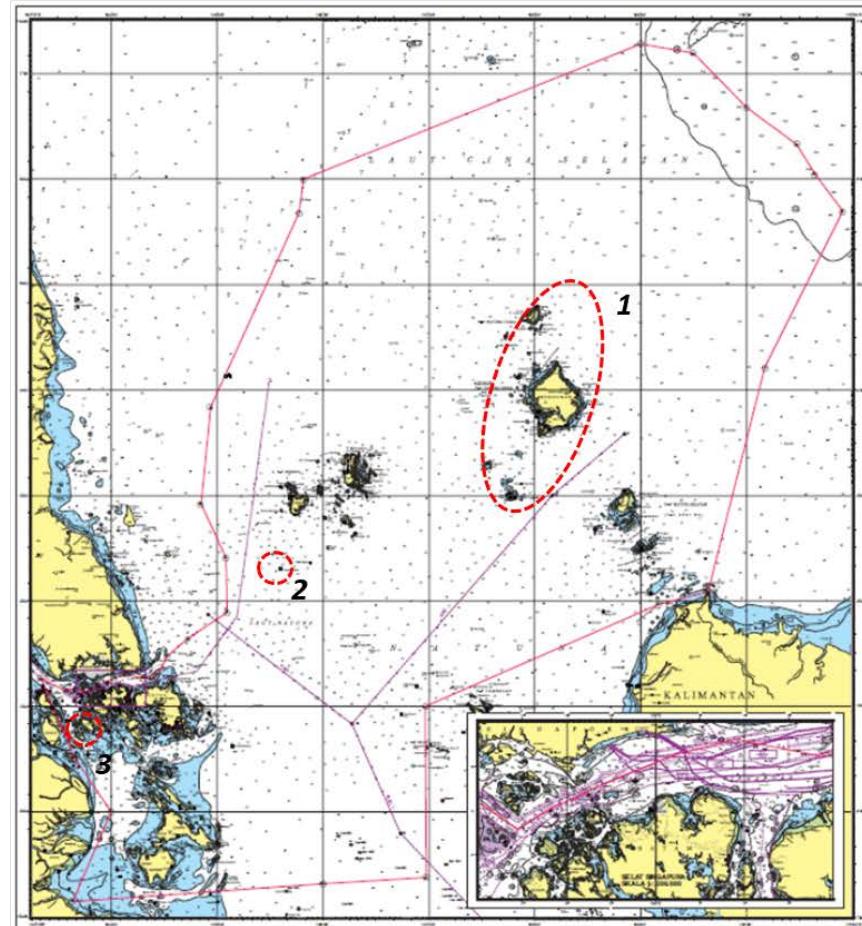
5 Tg. Pinang ( I )

Planned AtoN (Nominated Area)

- 1 Pelabuhan Selat Lampa
- 2 Rambu Suar Malang Biru
- 3 Rambu Suar Menvil



Location Map



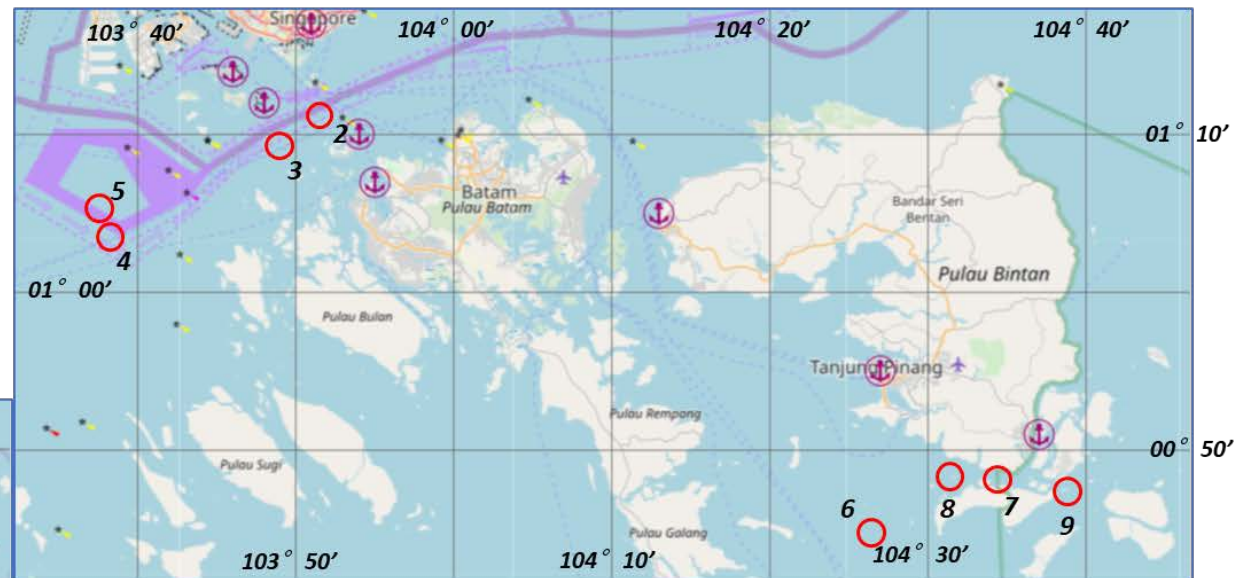
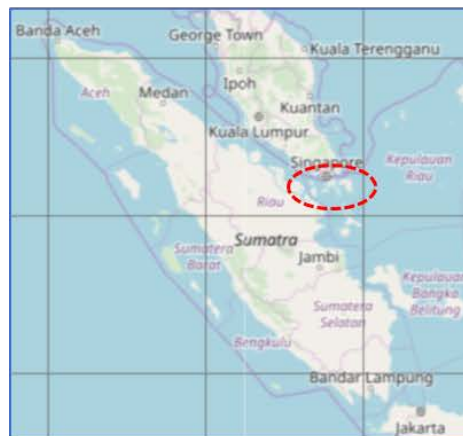
## 1-B Existing AtoN

- 2 **LB** : Batu Berhenti
- 3 **Bu** : Bufallo Rock
- 4 **Bu** : Selat Durian (S)
- 5 **Bu** : Safety Water
- 6 **Bu** : Selat Kijang No. 1
- 7 **Bu** : Selat Kijang No. 4
- 8 **Bu** : Selat Kijang No. 7
- 9 **Bu** : Pulau Rusa

01° 11'45.0"	103° 52'30.0"
01° 09'54.0"	103° 48'08.0"
01° 03'00.0"	103° 39'00.0"
01° 03'35.0"	103° 38'51.0"
00° 46'15.0"	104° 28'10.0"
00° 48'20.0"	104° 35'31.0"
00° 48'37.0"	104° 32'02.0"
00° 47'54.0"	104° 39'08.0"

Existing AtoN

**L** : Lighthouse  
**LB** : Lighted Beacon  
**Bu** : Lighted Buoy



Selat Singapura, Selat Durian, Selat Kijang

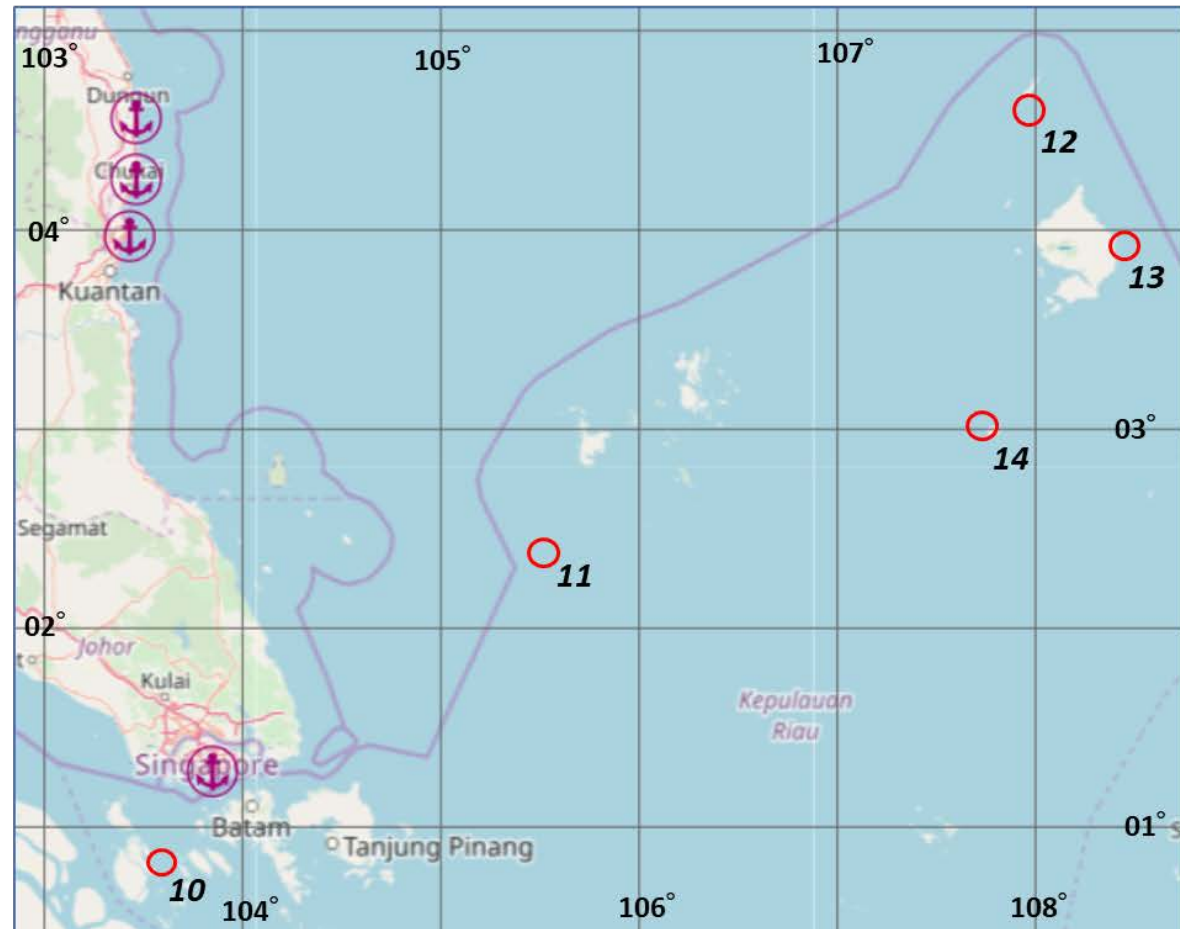
Selat Durian, Laut Natuna

- 10 **LB** : MENVIL (DSI.880)
- 11 **LB** : MALANG BIRU (DSI.2217,2)
- 12 **LB** : PULAU LAUT
- 13 **L** : TANJUNG SINUMBING (DSI. 2202)
- 14 **LB** : "MIDAI (DSI.2190)"

N 00-51-50.0453	E 103-36-40,755
N 02-18-00.704	E 105-35-50.8008
N 04-38-40,50	E 107-56-48.63
N 03-57-59.40,00	E 108-24-15,00
N 03-00-12.174	E 107-44-82,80

Existing AtoN

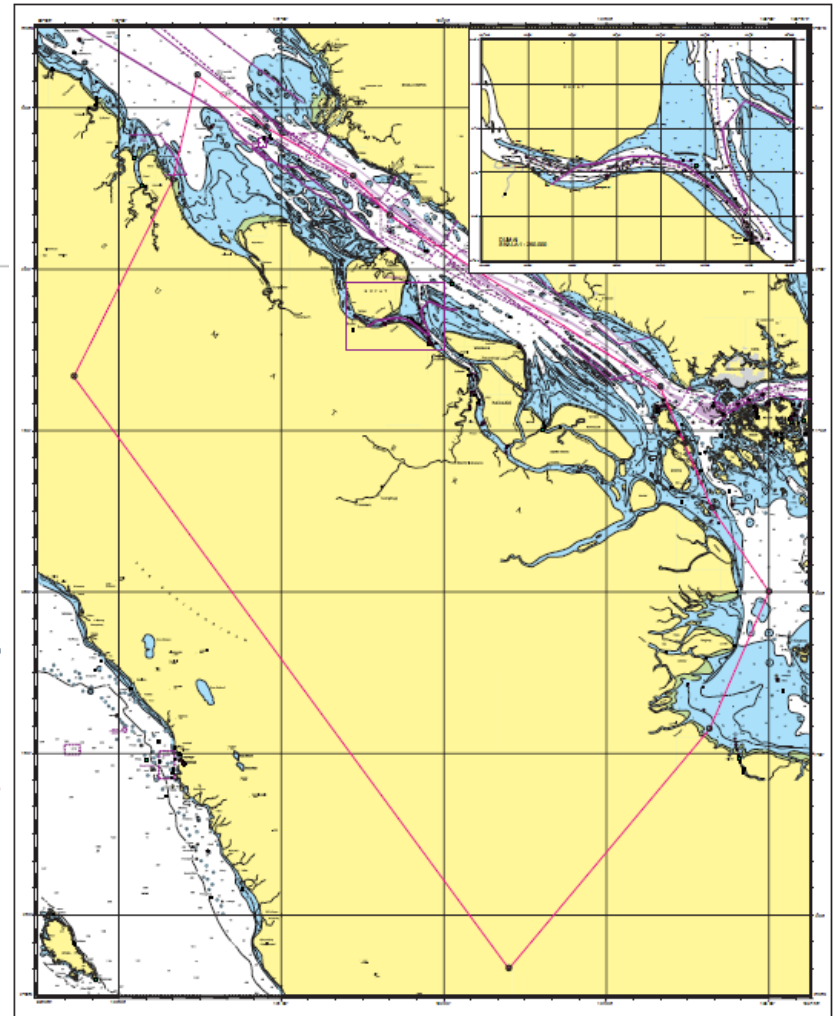
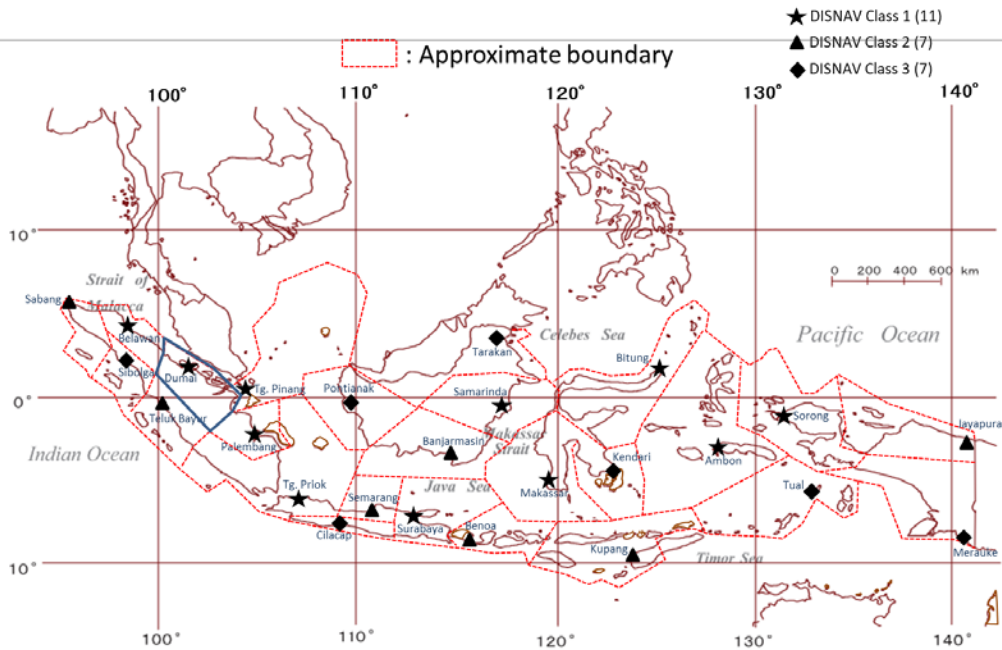
- L** : *Lighthouse*
- LB** : *Lighted Beacon*
- Bu** : *Lighted Buoy*





# 6 DISNAV Dumai

## Outline of DISNAV Service Area



## 1-A Summary Table for Planned AtoN

### 6 DISNAV Dumai

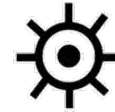
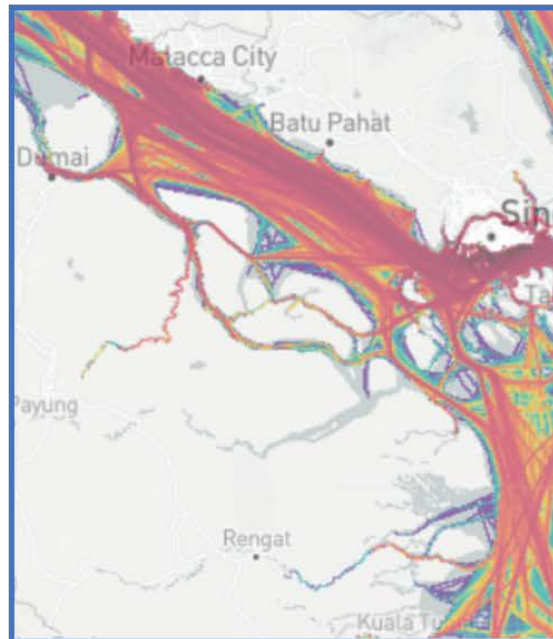
No	Area	Planned AtoN					Reference (Purpose)
		No	Name	Location		Type	
				Latitude	Longitude		
1	Pulau Tebingtinggi	1	Ramsu Selat Panjang 1	00° 45' 25.46" N	102° 47' 43.52" E	Strait	Restricted area
		2	Ramus Selat Panjang 2	00° 40' 33.80" N	102° 58' 06.62" E	Strait	Restricted area
2	Pulau Pandang	3	Ramsu Tg. Buton	00° 55' 56.03" N	102° 18' 08.46" E	Strait	Harbor
		7	Ramsu Selat Padang	01° 19' 58.61" N	102° 22' 23.15" E	Strait	Restricted area
3	Sungai Guntung Sungai Indragiri	4	Ramsu Sungai Guntung	00° 22' 38.79" N	103° 36' 25.46" E	Strait	Restricted area
		5	Ramsu Sungai Indagiri 1	00° 18' 09.22" S	103° 12' 41.68" E	Strait	Restricted area
		6	Ramsu Sungai Indagiri 2	00° 19' 53.64" S	103° 18' 44.40" E	Strait	Restricted area

## 1-B Outline Map of Planned AtoN

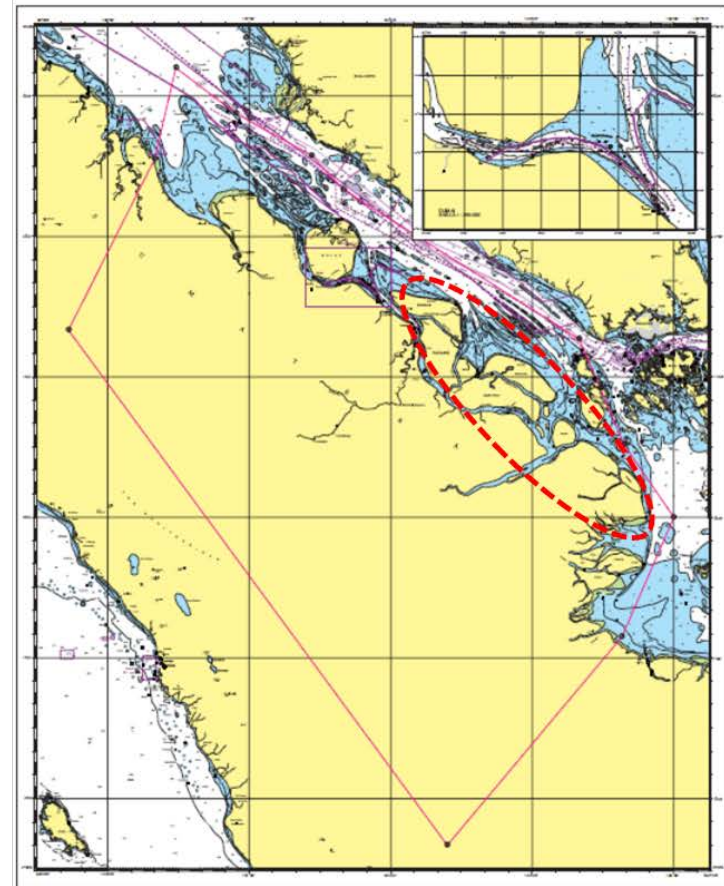
6 Dumai ( I )

Planned AtoN

- 1 Ramsu Selat Panjang
- 2 Ramsu Selat Panjang
- 3 Ramsu Tg. Buton
- 4 Ramsu Sungai Guntung
- 5 Ramsu Sungai Indagiri
- 6 Ramsu Sungai Indagiri
- 7 Ramsu Selat Padang



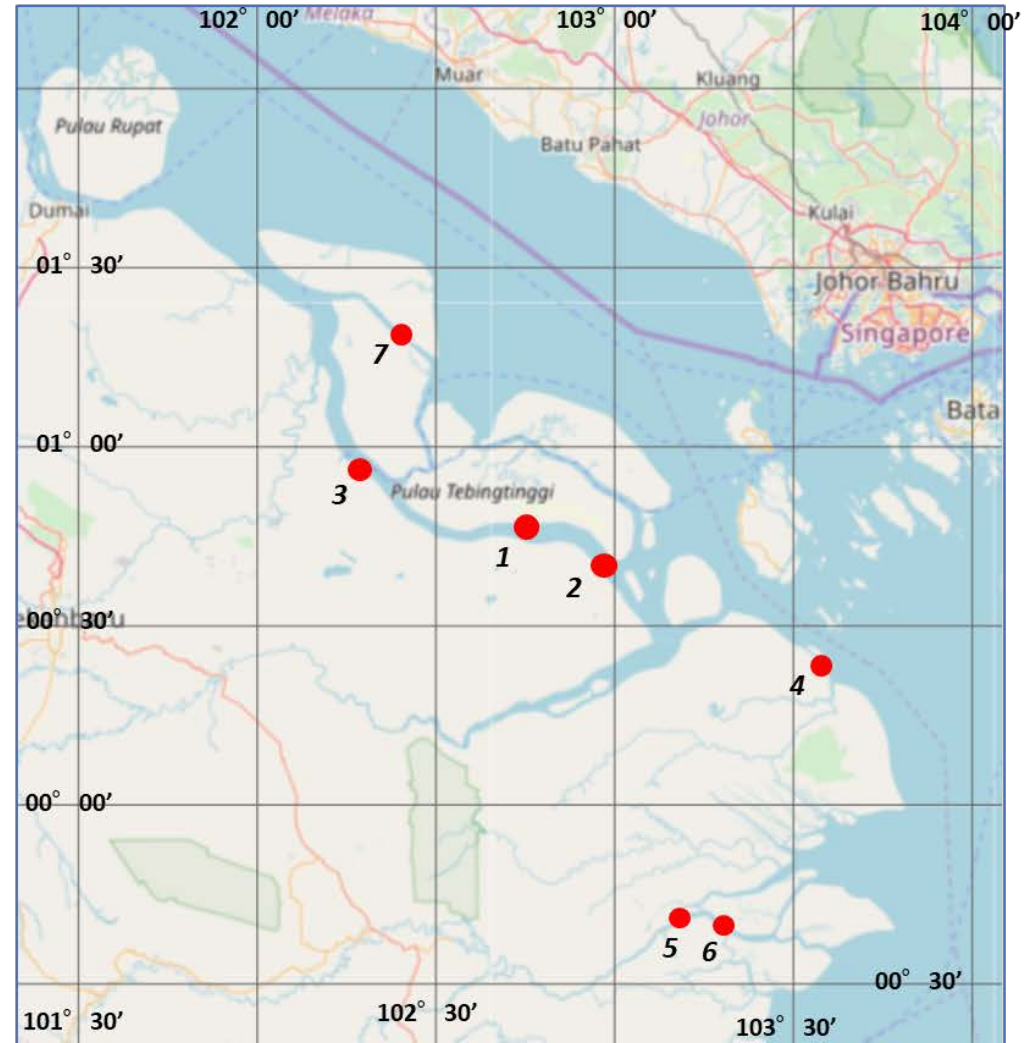
Location Map



## Planned AtoN

- 1 Ramsu Selat Panjang
- 2 Ramsu Selat Panjang
- 3 Ramsu Tg. Buton
- 4 Ramsu Sungai Guntung
- 5 Ramsu Sungai Indagiri
- 6 Ramsu Sungai Indagiri
- 7 Ramsu Selat Padang

1 ( 00°45'25.46" N 102°47'43.52" E )  
2 ( 00°40'33.80" N 102°58'06.62" E )  
3 ( 00°55'56.03" N 102°18'08.46" E )  
4 ( 00°22'38.79" N 103°36'25.46" E )  
5 ( 00°18'09.22" S 103°12'41.68" E )  
6 ( 00°19'53.64" S 103°18'44.40" E )  
7 ( 01°19'58.61" N 102°22'23.15" E )

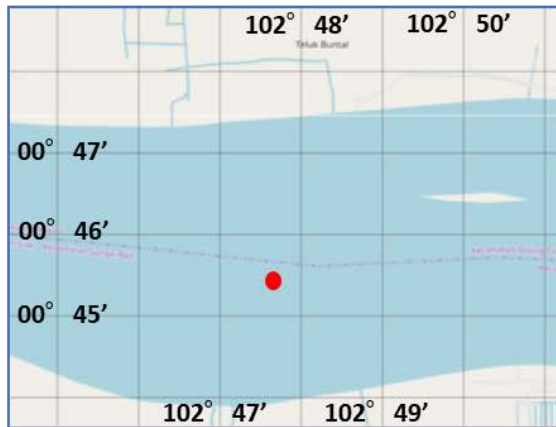




# Planned AtoN

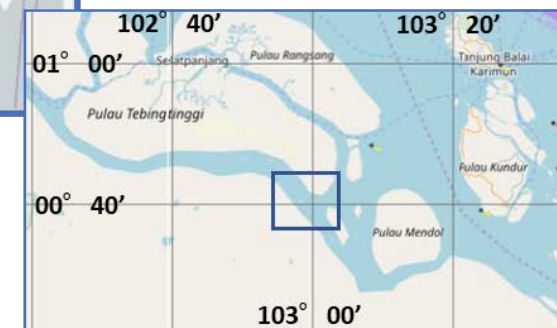
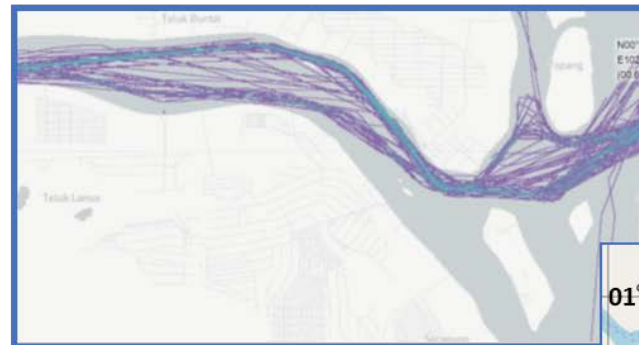
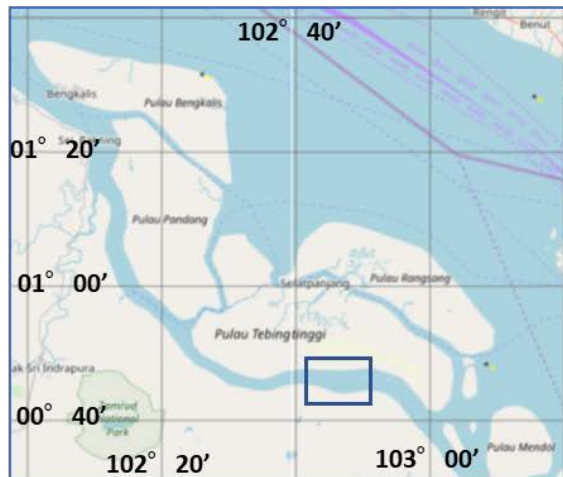
## 1 Ramsu Selat Panjang

( $00^{\circ}45'25.46''N$   $102^{\circ}47'43.52''E$ )



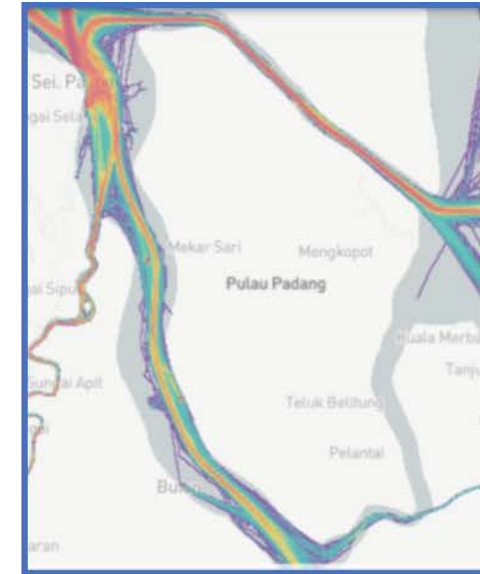
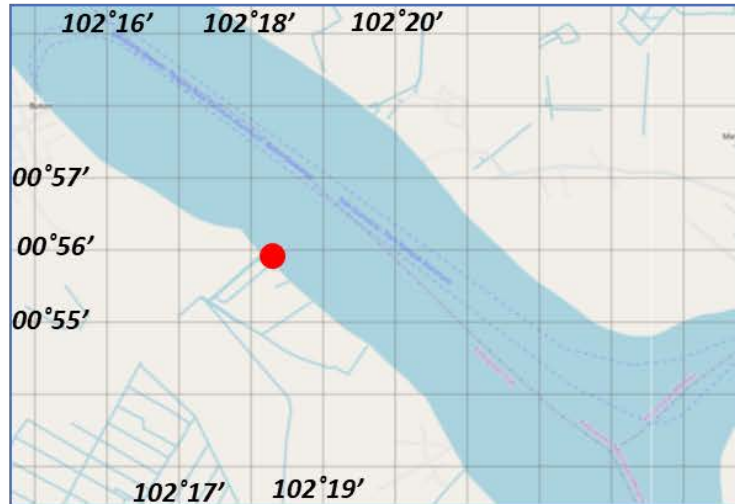
## 2 Ramsu Selat Panjang

( $00^{\circ}40'33.80''N$   $102^{\circ}58'06.62''E$ )



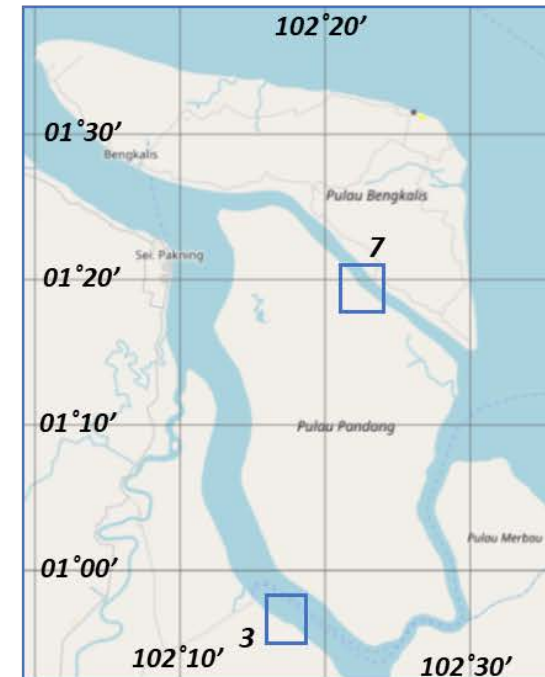
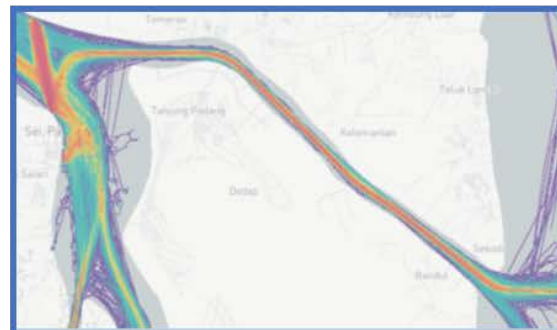
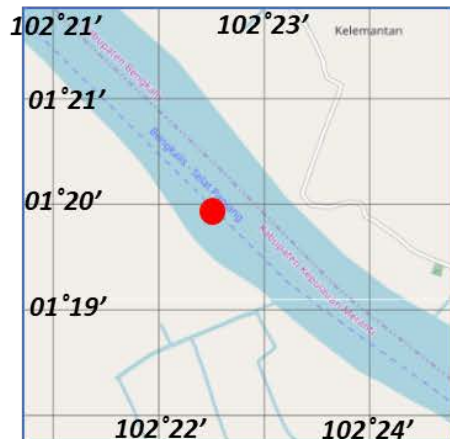
### 3 Ramsu Tg. Buton

( $00^{\circ}55'56.03''$  N  $102^{\circ}18'08.46''$  E)



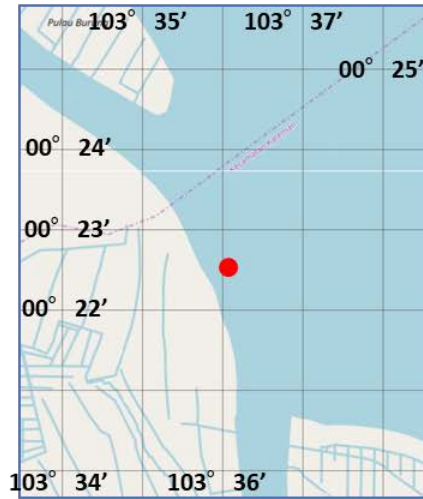
### 7 Ramsu Selat Padang

( $01^{\circ}19'58.61''$  N  $102^{\circ}22'23.15''$  E)

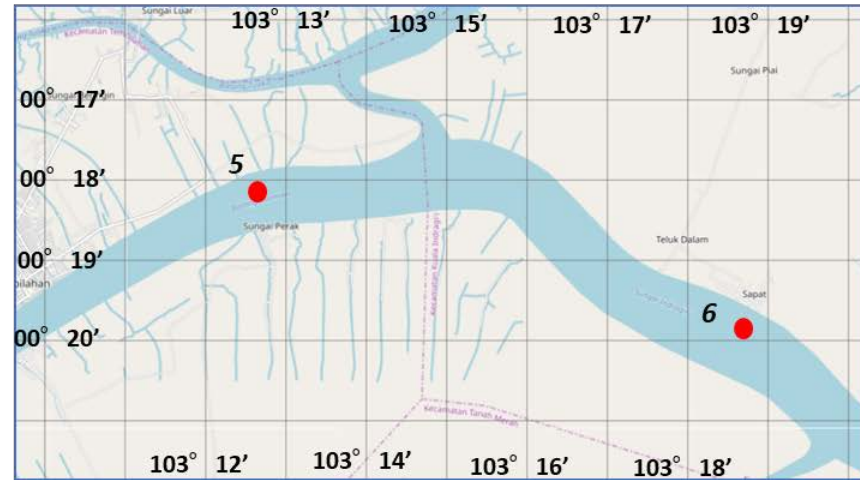


Planned AtoN

4 Ramsu Sungai Guntung  
(00°22'38.79" N 103°36'25.46" E)



5 Ramsu Sungai Indagiri  
(00°18'09.22" S 103°12'41.68" E)



6 Ramsu Sungai Indagiri  
(00°19'53.64" S 103°18'44.40" E)



**Sheet ③ Reporting Format for List of Planned AtoN**  
**Lembar ③ (Format Pelaporan Daftar AtoN yang direncanakan)**

**Name of Sea Area / Port** : Fill Out (Diisi)  
**District** : Dumai (6)  
**Chart No (Name)** : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)			Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)					Remarks/Catatan  Popular name (Nama Populer) (Fill out) (Diisi)	
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna lampu)	Top Marks		
		Longitude Garis Bujur	Latitude Garis Lintang									Category (*9) Kategori		Shape (*10) Bentuk
1	Ramsu Selat Panjang	00°-45'-25,46" N	102°-47'-43,52" E	Rambu Suar	Selat	Areal Terbatas	Vital				Putih			Selat Panjang
2	Ramsu Selat Panjang	00°-40'-33,80" N	102°-58'-06,62" E	Rambu Suar	Selat	Areal Terbatas	Vital				Putih			Selat Panjang
3	Ramsu Tg. Buton	00°-55'-56,03" N	102°-18'-08,46" E	Rambu Suar	Selat	Pelabuhan	Vital				Merah			Tg. Buton
4	Ramsu Sungai Guntung	00°-22'-38,79" N	103°-36'-25,46" E	Rambu Suar	Selat	Areal Terbatas	Vital				Putih			Sungai Guntung
5	Ramsu Sungai Indagiri	00°-18'-09,22" S	103°-12'-41,68" E	Rambu Suar	Selat	Areal Terbatas	Vital				Merah			Sungai Indagiri
6	Ramsu Sungai Indagiri	00°-19'-53,64" S	103°-18'-44,40" E	Rambu Suar	Selat	Areal Terbatas	Vital				Merah			Sungai Indagiri
7	Ramsu Selat Padang	01°-19'-58,61" N	102°-22'-23,15" E	Rambu Suar	Selat	Areal Terbatas	Vital				Putih			Selat Padang



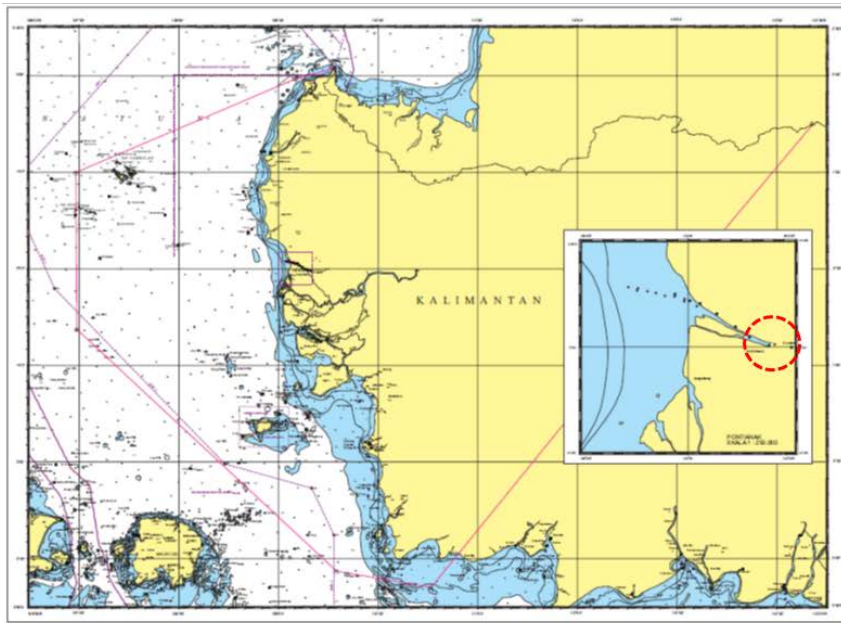


## 1-B Outline Map of Planned AtoN

### 8 Pontianak (III)

Planned AtoN (Nominated Area)

#### 1 Dwikora (Inland Water : River)



# 1-A Summary Table for Planned AtoN

## 8 DISNAV Pontianak

No	Area	Planned AtoN					Reference (Purpose)
		No	Name	Location		Type	
				Latitude	Longitude		
1	Dwikora		-----	-----	-----		Inland Water (River)





## 1-A Summary Table for Planned AtoN

9 Tg. Priok

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Pulau Belitung	1	KARANG BATUAN	03°16' 00.00" S	108°58' 00.00" E	Lighted Beacon	Long-range light
		2	ABADI REEF	03°38' 46.32" S	108°45' 11.42" E	Lighted Beacon	Long-range light
		3	KARANG F. ADELEIDE	02°04' 08.30" S	108°04' 33.60" E	Lighted Beacon	Long-range light
2	Jakarta	4	KARANG JONG	05°51' 09.00" S	106°38' 44.00" E	Lighted Beacon	Long-range light
		5	BETING EKA	05°17' 32.00" S	106°54' 30.00" E	Lighted Beacon	Long-range light
		6	BETING RAJA	05°12' 30.00" S	106°44' 20.00" E	Lighted Beacon	Long-range light
		7	PULAU PUTRI REEF	06°04' 06.00" S	106°52' 22.00" E	Lighted Beacon	Long-range light

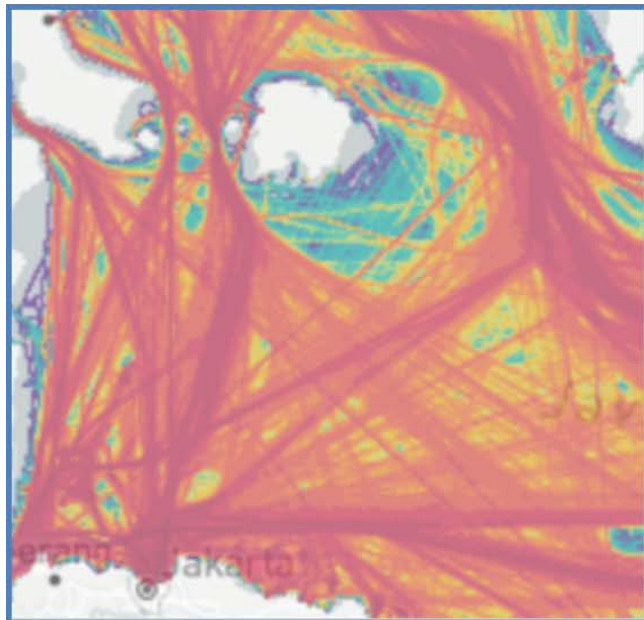
## 1-B Outline Map of Planned AtoN

### 9 Tg. Priok ( I )

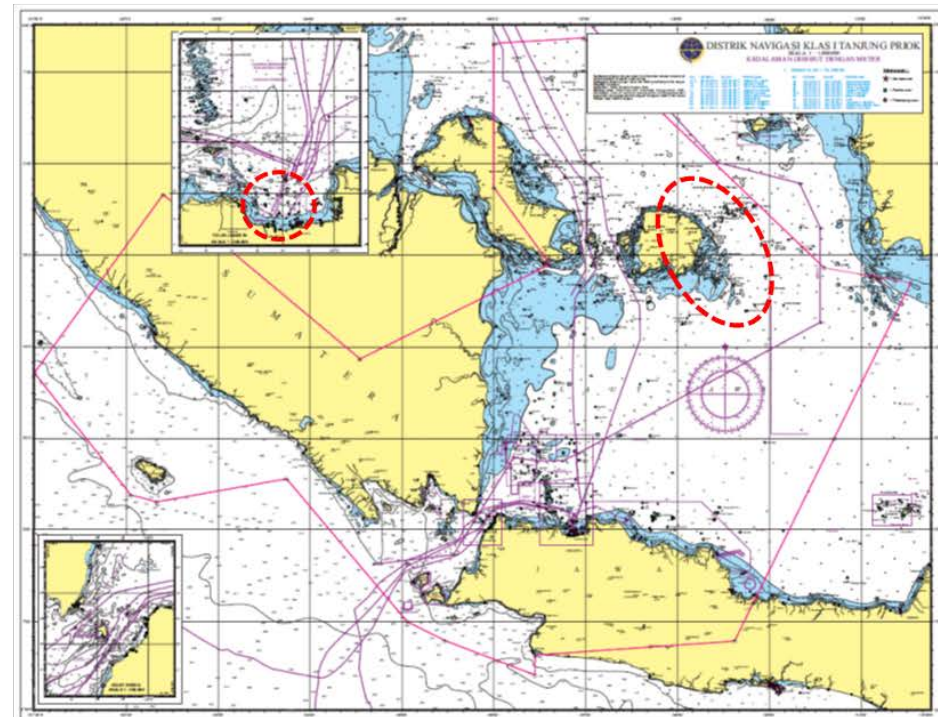
#### Planned AtoN

- 1 KARANG BATUAN (L.B)
- 2 ABADI REEF (L.B)
- 3 KARANG F. ADELEIDE (L.B)
- 4 KARANG JONG (L.B)
- 5 BETING EKA (L.B)
- 6 BETING RAJA (L.B)
- 7 PULAU PUTRI REEF (L.B)

(L.B : Lighted Beacon)



#### Planned AtoN

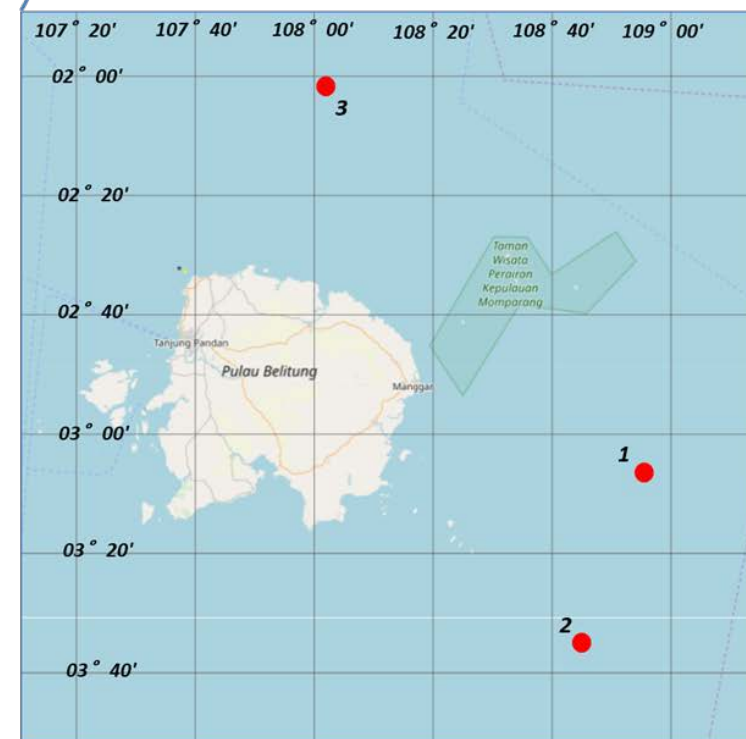
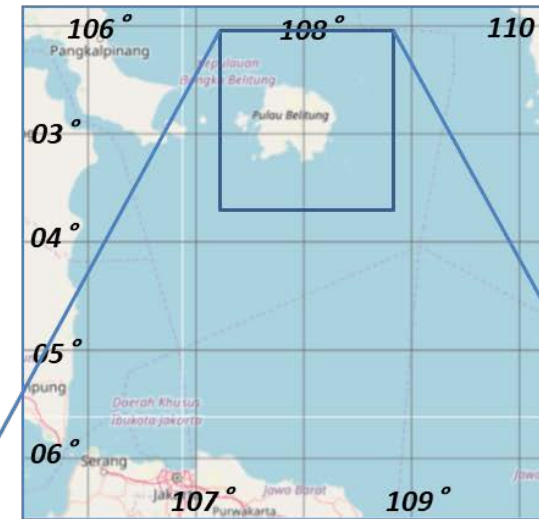
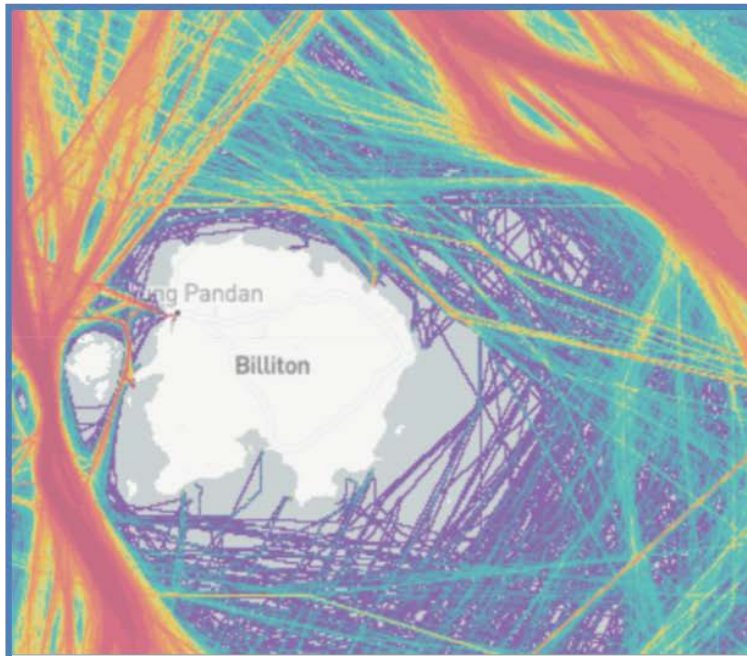


## 9 Tg. Priok ( I )

Planned AtoN

- 1 KARANG BATUAN (L.B)
- 2 ABADI REEF (L.B)
- 3 KARANG F. ADELEIDE (L.B)

1 ( 03 ° 16' 00.00" S 108 ° 58' 00.00" E )  
2 ( 03 ° 38' 46.32" S 108 ° 45' 11.42" E )  
3 ( 02 ° 04' 08.30" S 108 ° 04' 33.60" E )

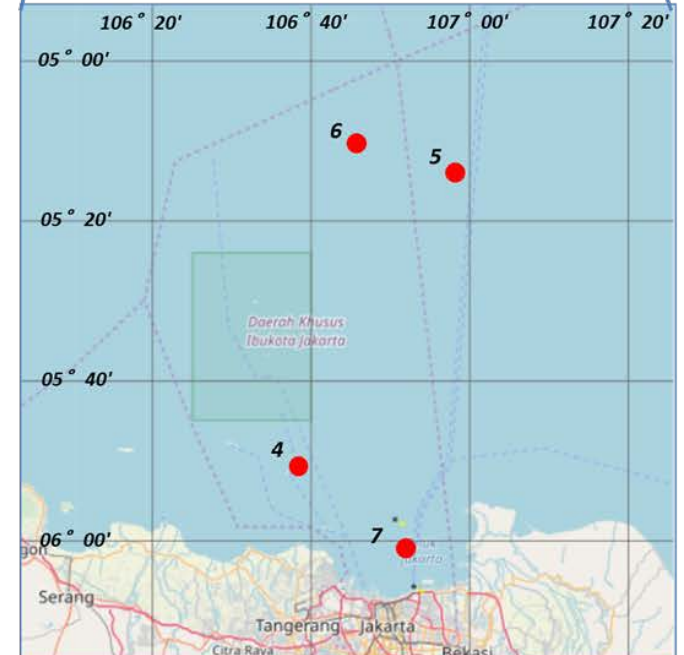
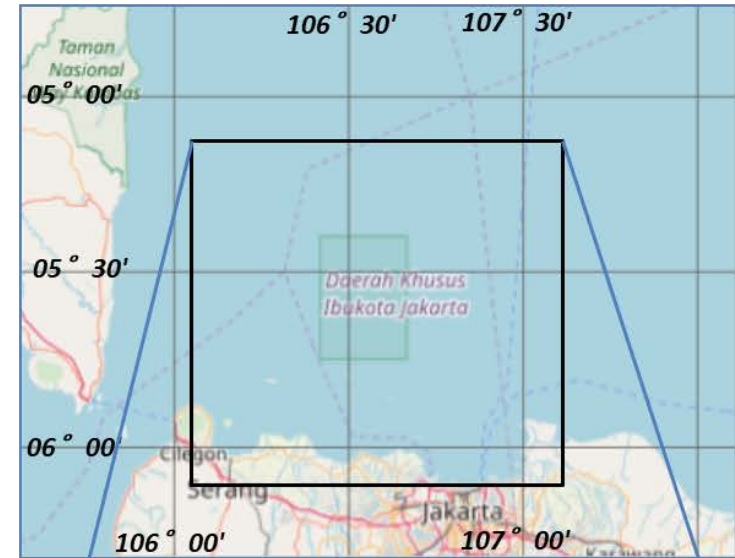
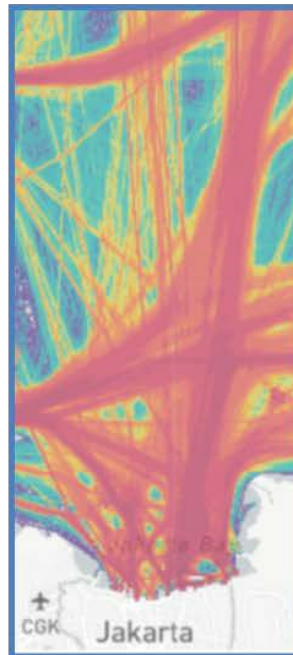
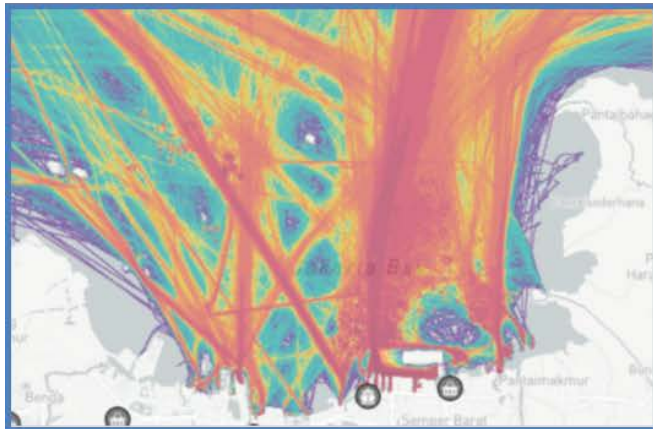


## 9 Tg. Priok ( I )

Planned AtoN

- 4 KARANG JONG (L.B)
- 5 BETINGEKA (L.B)
- 6 BETING RAJA (L.B)
- 7 PULAU PUTRI REEF (L.B)

4 (  $05^{\circ} 51' 09.00'' S$   $106^{\circ} 38' 44.00'' E$  )  
5 (  $05^{\circ} 17' 32.00'' S$   $106^{\circ} 54' 30.00'' E$  )  
6 (  $05^{\circ} 12' 30.00'' S$   $106^{\circ} 44' 20.00'' E$  )  
7 (  $06^{\circ} 04' 06.00'' S$   $106^{\circ} 52' 22.00'' E$  )





**Sheet ③ Reporting Format for List of Planned AtoN**  
**Lembar ③ (Format Pelaporan Daftar AtoN yang direncanakan)**

Name of Sea Area / Port : **Fill Out (Diisi)**

District : **Tg. Priok (9)**

Chart No (Name) : **Fill Out (Diisi)**

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)			Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)					Remarks/Catatan	
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna lampu)	Top Marks		
		Longitude Garis Bujur	Latitude Garis Lintang									Category (*9) Kategori		Shape (*10) Bentuk
1	KARANG BATUAN	03° 16' 0" LS	108° 58' 0" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
2	ABADI REEF	03° 38' 46.32" LS	108° 45' 11.42" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
3	KARANG F. ADELEIDE	02° 04' 08.3" LS	108° 04' 33.6" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
4	KARANG JONG	05° 51' 09" LS	106° 38' 44" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
5	BETING EKA	05° 17' 32" LS	106° 54' 30" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
6	BETING RAJA	05° 12' 30" LS	106° 44' 20" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
7	PULAU PUTRI REEF	06° 04' 06.00" LS	106° 52' 22.00" BT	Lighted Beacon	Long-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	

# 1-B Outline Map of Existing AtoN (Lighthouse)

## 9 Tg. Priok ( I )

### Existing AtoN (Lighthouse)

#### Group 1

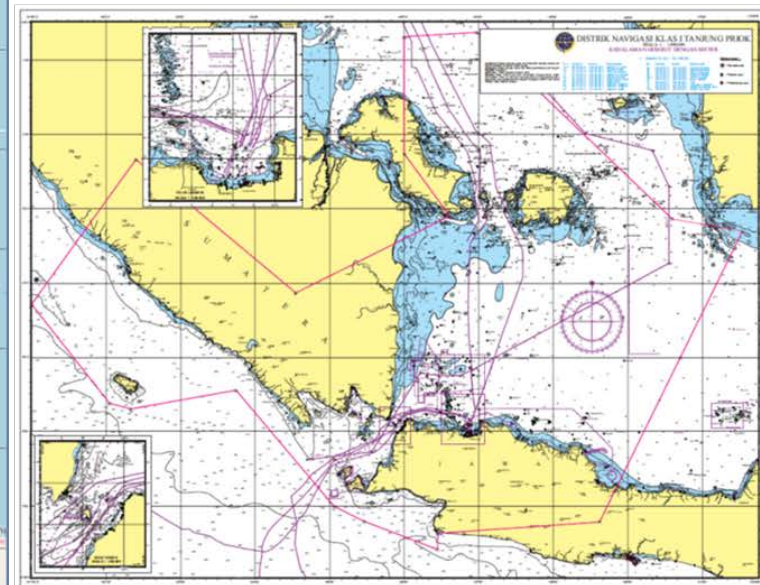
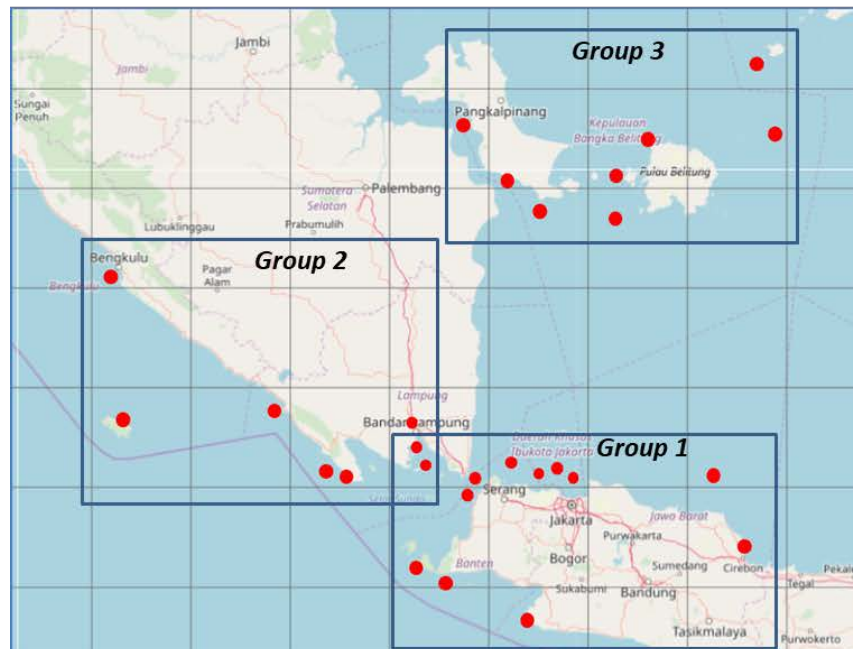
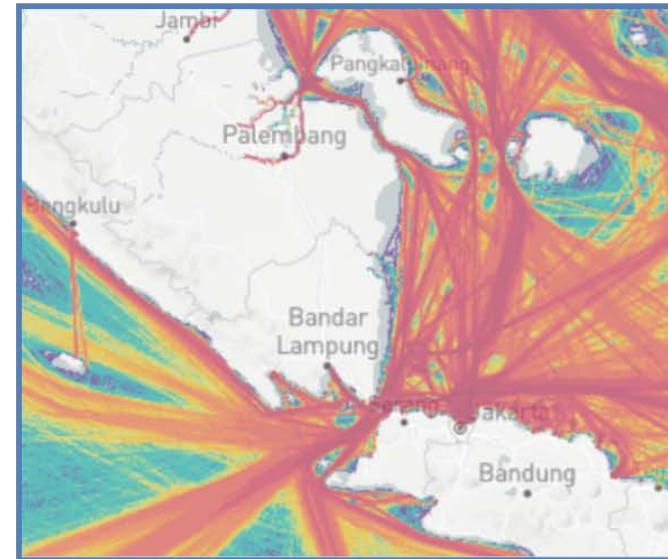
- 1 TANJUNG LAYAR
- 2 CIKONENG
- 3 PULAU TUNDA
- 4 PULAU TEMPURUNG
- 5 PULAU DELI
- 6 PULAU PAYUNG
- 7 PULAU JAGA UTARA
- 8 PULAU PENIKI
- 9 PULAU EDAM
- 10 PULAU SEGAMA
- 19 UJUNG GENTENG
- 20 PULAU BOMPIES
- 21 CIREBON

#### Group 2

- 11 PULAU BELIMBING
- 12 PULAU BATU KECIL
- 13 GUNUNG KUNYIT
- 14 PULAU SERDANG
- 15 PULAU MAITEM
- 16 TANJUNG WALOR
- 17 PULAU ENGGANO
- 18 PULAU TIKUS

#### Group 3

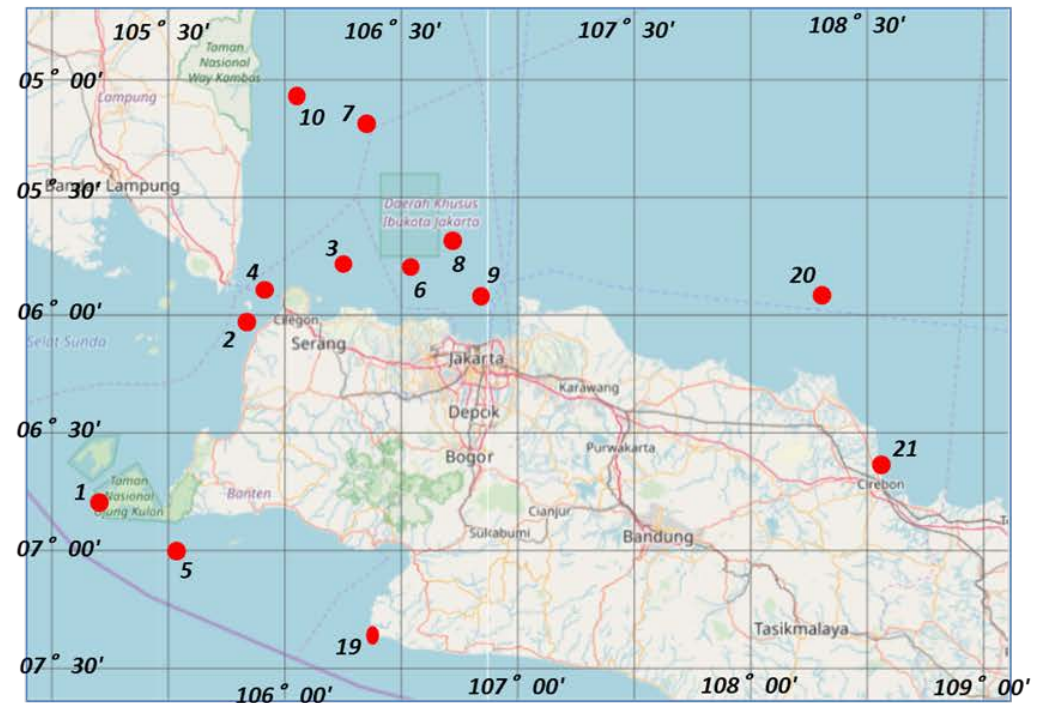
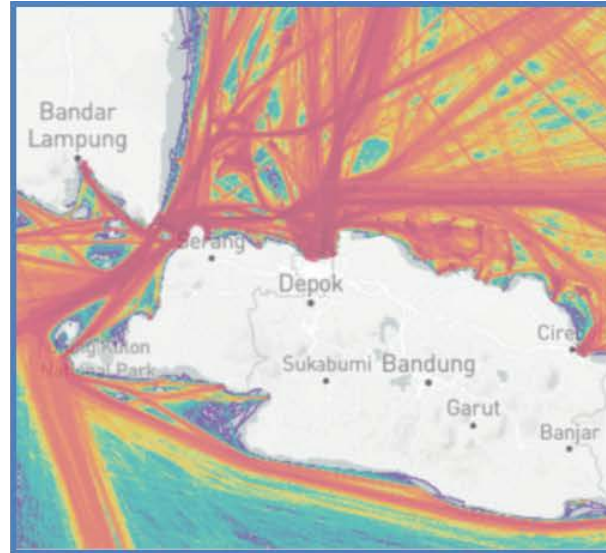
- 22 PULAU NANGKA
- 23 PULAU BESAR
- 24 PULAU DAPUR
- 25 PULAU SIMEDANG
- 26 PULAU MENDANAU
- 27 PULAU LANGKUAS
- 28 PULAU PASEMUT
- 29 PULAU SERUTU



## Existing AtoN (Lighthouse)

- 1 TANJUNG LAYAR
- 2 CIKONENG
- 3 PULAU TUNDA
- 4 PULAU TEMPURUNG
- 5 PULAU DELI
- 6 PULAU PAYUNG
- 7 PULAU JAGA UTARA
- 8 PULAU PENIKI
- 9 PULAU EDAM
- 10 PULAU SEGAMA
- 19 UJUNG GENTENG
- 20 PULAU BOMPIES
- 21 CIREBON

1	( 06 ° 45' 00.0" S	105 ° 12' 30.0" E)
2	( 06 ° 04' 00.0" S	105 ° 53' 00.0" E)
3	( 05 ° 49' 00.0" S	106 ° 17' 00.0" E)
4	( 05 ° 54' 03.0" S	105 ° 56' 00.0" E)
5	( 07 ° 01' 00.0" S	105 ° 31' 25.0" E)
6	( 05 ° 49' 30.0" S	106 ° 33' 30.0" E)
7	( 05 ° 12' 00.0" S	106 ° 28' 00.0" E)
8	( 05 ° 41' 40.0" S	106 ° 42' 43.0" E)
9	( 05 ° 57' 30.0" S	106 ° 50' 40.0" E)
10	( 05 ° 10' 10.0" S	106 ° 06' 30.0" E)
19	( 07 ° 22' 50.0" S	106 ° 24' 24.0" E)
20	( 05 ° 56' 30.0" S	108 ° 23' 00.0" E)
21	( 06 ° 43' 00.0" S	108 ° 34' 34.5" E)

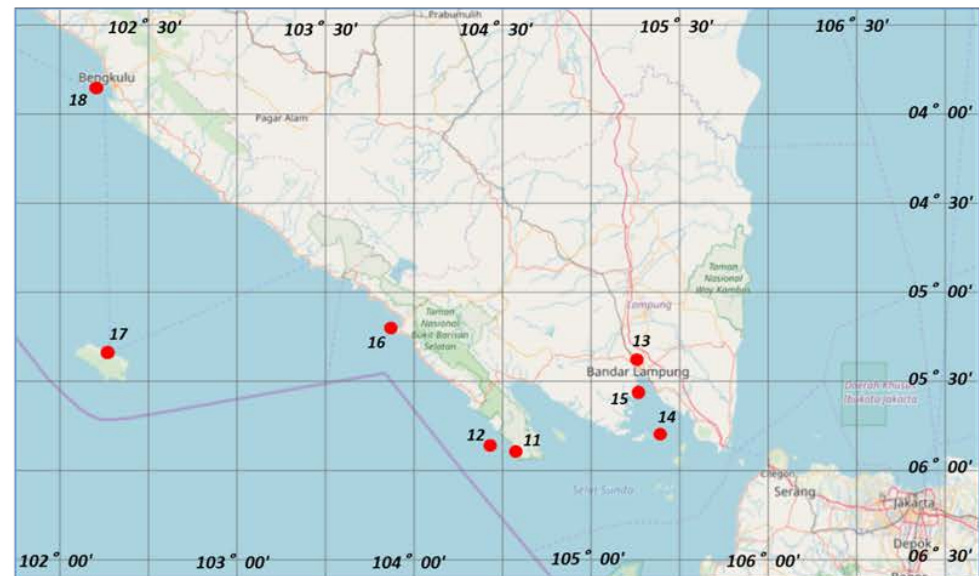
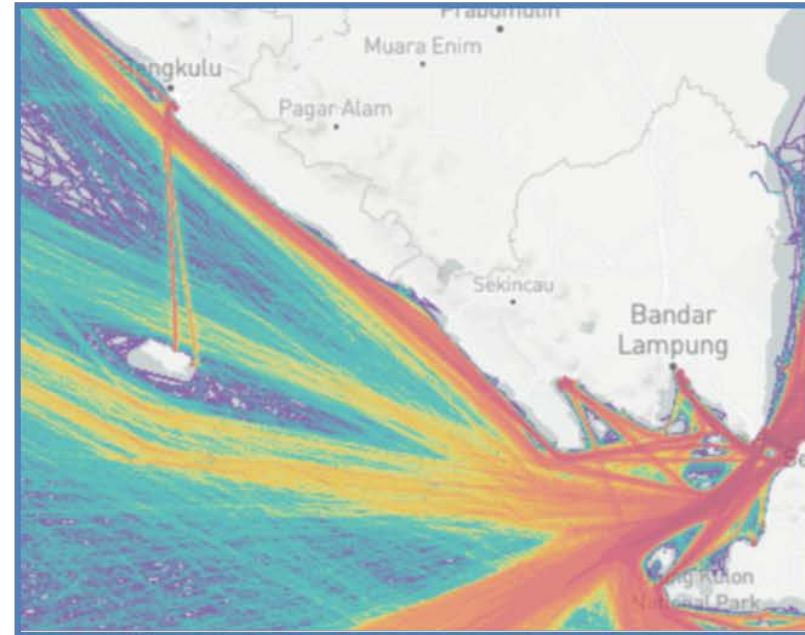




## Existing AtoN (Lighthouse)

- 11 PULAU BELIMBING
- 12 PULAU BATU KECIL
- 13 GUNUNG KUNYIT
- 14 PULAU SERDANG
- 15 PULAU MAITEM
- 16 TANJUNG WALOR
- 17 PULAU ENGGANO
- 18 PULAU TIKUS

11 ( 05 ° 55' 30.0" S 104 ° 33' 30.0" E )  
12 ( 05 ° 53' 45.0" S 104 ° 26' 26.0" E )  
13 ( 05 ° 26' 56.2" S 105 ° 16' 48.0" E )  
14 ( 05 ° 49' 20.0" S 105 ° 23' 30.0" E )  
15 ( 05 ° 35' 56.0" S 105 ° 15' 04.3" E )  
16 ( 05 ° 12' 40.0" S 103 ° 54' 20.0" E )  
17 ( 05 ° 21' 00.0" S 102 ° 17' 23.0" E )  
18 ( 03 ° 50' 30.0" S 102 ° 11' 00.0" E )

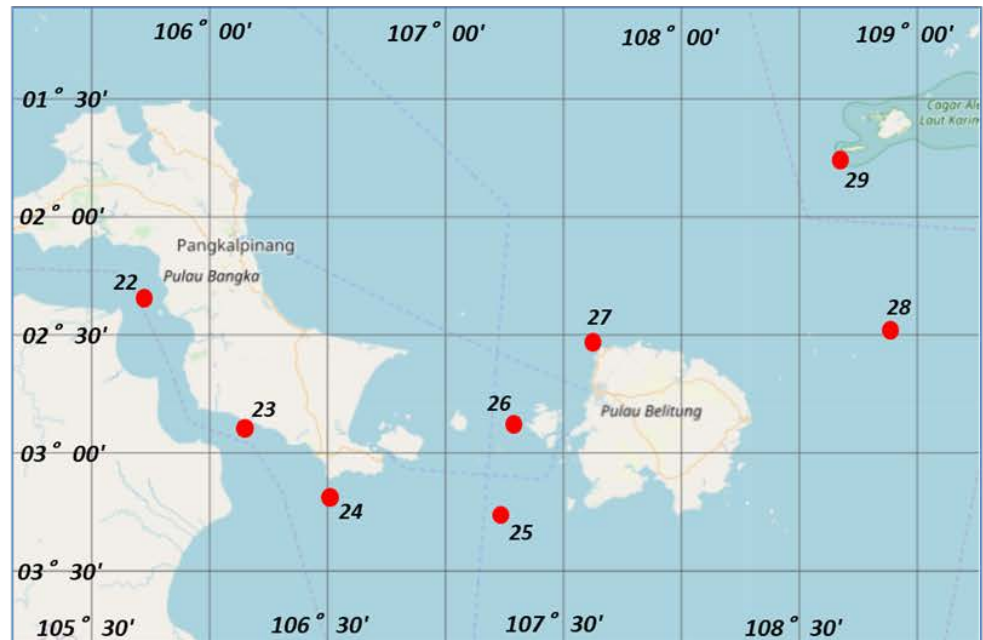
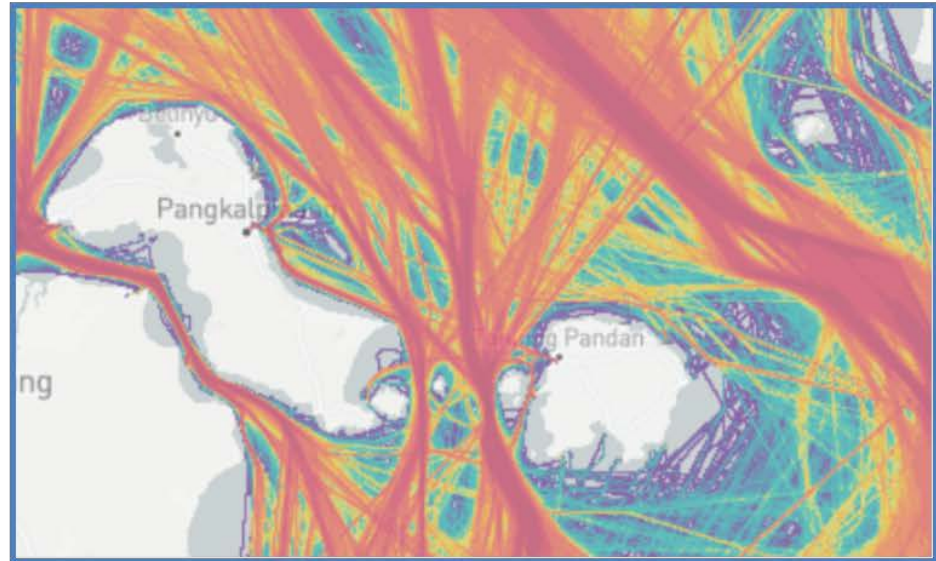




### Existing AtoN (Lighthouse)

- 22 PULAU NANGKA
- 23 PULAU BESAR
- 24 PULAU DAPUR
- 25 PULAU SIMEDANG
- 26 PULAU MENDANAU
- 27 PULAU LANGKUAS
- 28 PULAU PASEMUT
- 29 PULAU SERUTU

- 22 (02° 23'00.0" S 105° 45'00.0" E)
- 23 (02° 53'00.0" S 106° 08'30.0" E)
- 24 (03° 08'00.0" S 106° 31'00.0" E)
- 25 (03° 19'00.0" S 107° 13'00.0" E)
- 26 (02° 53'00.0" S 107° 20'30.0" E)
- 27 (02° 32'00.0" S 107° 37'30.0" E)
- 28 (02° 29'50.0" S 108° 50'33.0" E)
- 29 (01° 43'00.0" S 108° 42'00.0" E)



**Sheet ② Reporting Format for List of Existing AtoN**  
 Lembar ② (Format Pelaporan Daftar AtoN yang telah ada)

Name of Sea Area / Port : Fill Out (Diisi)  
 Nama Lokasi / Pelabuhan

District : Tj. Priok (9)

Chart No (Name) : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Type dan Spesifikasi AtoN Berupa)		Category (Kategori)				Type of Marks (Tipe dan Tanda)				Remarks (Catatan)
	Name of AtoN (Nama AtoN)	Position (Posisi)	Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikan)	Lateral (*5)	Cardinal (*6)	Special (*7) (Khusus)	Light Color (*8) (Warna Lampu)	Top Mark		
											Category (*9) (Kategori)	Shape (*10) (Bentuk)	
<b>MEMANG SUMP</b>													
1	TANJUNG LAYAR	06° 45'00.0" LS 105° 12' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	Ujung Kulon
2	CRONING	06° 04'00.0" LS 105° 53' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	Ayer
3	PULAU TUNDA	05° 49'00.0" LS 106° 17' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
4	PULAU TEMPURUNG	05° 54'03.0" LS 105° 56' 00.0" BT	Lighthouse	Lensid Light	Coastal area (Area Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
5	PULAU DELI	07° 01'00.0" LS 105° 31' 25.0" BT	Lighthouse	Lensid Light	Offshore waters (Pantai: Lepas Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
6	PULAU PAKYUNG	05° 49' 30" LS 106° 33' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
7	PULAU JAGA UTARA	05° 12'00.0" LS 106° 28' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	Pulau Sabine
8	PULAU PENISI	05° 41'40.0" LS 106° 42' 43" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
9	PULAU EDAM	05° 57'30.0" LS 106° 50'40.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	Derer Bawa
10	PULAU BEDANA	05° 10' 10.0" LS 106° 06' 30" BT	Lighthouse	Lensid Light	Offshore waters (Pantai: Lepas Pantai)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
11	PULAU BELIMBING	05° 50'30.0" LS 104° 33' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Special Marks (Quarantine Area/ Tank & Khussus (Area Karantina)	White (Putih)	4 SAFE WATER MARKS	9. Not Applicable (n/a) / Tidak berlaku	-
12	PULAU BATU KECL	05° 53'45" LS 104° 36' 26.0" BT	Lighthouse	Lensid Light	Offshore waters (Pantai: Lepas Pantai)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
13	CUNJUNG KUNYIT	05° 26'56.2" LS 105° 16' 48.0" BT	Lighthouse	Lensid Light	Harbor Port (Restricted area) (Demaga Pelabuhan) (area terbatas)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Special Marks (Work Zone/ Tank & Khussus (Zona Kerja)	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
14	PULAU SENDANG	05° 49'20.0" LS 105° 23' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
15	PULAU MAITEM	05° 35'56.0" LS 105° 15' 04.3" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
16	TANJUNG MAJOR	05° 12'40.0" LS 102° 54' 30" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
17	PULAU ENOGANO	05° 21'00.0" LS 102° 17' 23.0" BT	Lighthouse	Lensid Light	Harbor Port (Restricted area) (Demaga Pelabuhan) (area terbatas)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
18	PULAU TRUS	05° 50'30.0" LS 102° 11' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
19	UJUNG CINTING	07° 22'50.0" LS 106° 24' 24.0" BT	Lighthouse	Lensid Light	Offshore waters (Pantai: Lepas Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
20	PULAU BOMPES	05° 56'30.0" LS 108° 23' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
21	ORISON	06° 49'00.0" LS 108° 34' 24.5" BT	Lighthouse	Lensid Light	Harbor Port (Restricted area) (Demaga Pelabuhan) (area terbatas)	Category 1 (Vital)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
22	PULAU NANGKA	02° 23'00.0" LS 105° 45' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
23	PULAU BESAR	02° 53'00.0" LS 106° 8' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
24	PULAU DARUR	03° 8' 00.0" LS 106° 31' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
25	PULAU SIMEDANG	03° 19'00.0" LS 107° 13' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
26	PULAU MENDANAU	02° 53'00.0" LS 107° 20' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
27	PULAU LANGKAS	02° 32'00.0" LS 107° 37' 30.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
28	PULAU PASMUT	02° 29'50.0" LS 108° 50' 33.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-
29	PULAU SERUTU	01° 43'00.0" LS 108° 42' 00.0" BT	Lighthouse	Lensid Light	Coastal waters (Pantai: Pantai)	Category 2 (Department/Pending)	No. Applicable (n/a) (Tidak Berlaku)	No. Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Peringatan Aman	White (Putih)	6. Not Applicable (n/a)	9. Not Applicable (n/a) / Tidak berlaku	-



## 1-A Summary Table for Planned AtoN

10 DISNAV Cilacap

No	Area	Planned AtoN					Reference (Purpose)
		No	Name	Location		Type	
				Latitude	Longitude		
1	Garut	1	Sentolo Pamengpeuk	07° 39' 44.0" S	107° 40' 53.1" E	Lighted Beacon	Medium-range Light
2	Bsbadan	1	Babadan	07° 25' 22.12" S	106° 39' 36.78" E	Lighted Beacon	Medium-range Light



## 1-B Outline Map of Planned AtoN

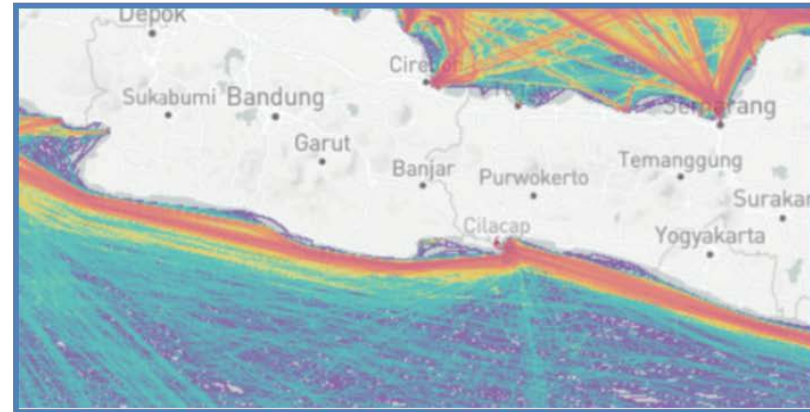
### 10 Cilacap (III)

Planned AtoN

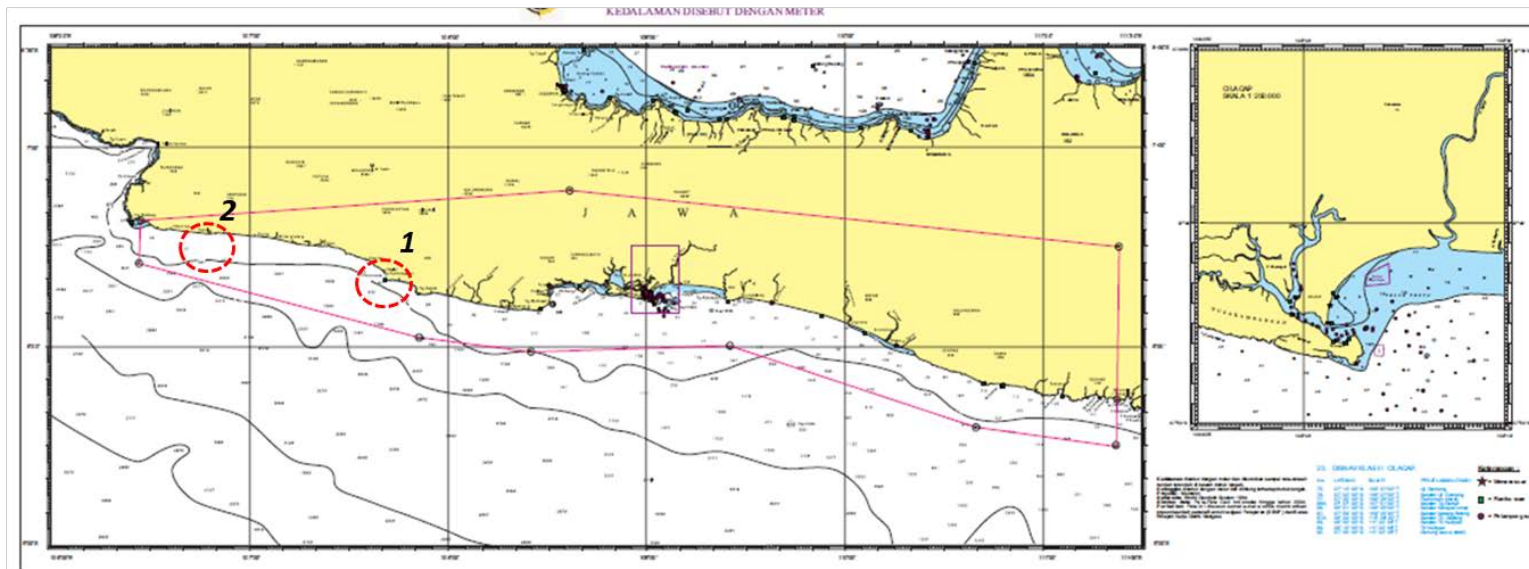
(L.B : Lighted Beacon)

- 1 Sentolo Pamengpeuk (L.B)
- 2 Babadan (L.B)

1 (  $07^{\circ} 39' 44.00'' S$   $107^{\circ} 40' 53.10'' E$  )  
2 (  $07^{\circ} 25' 22.12'' S$   $106^{\circ} 39' 36.78'' E$  )



### Planned AtoN

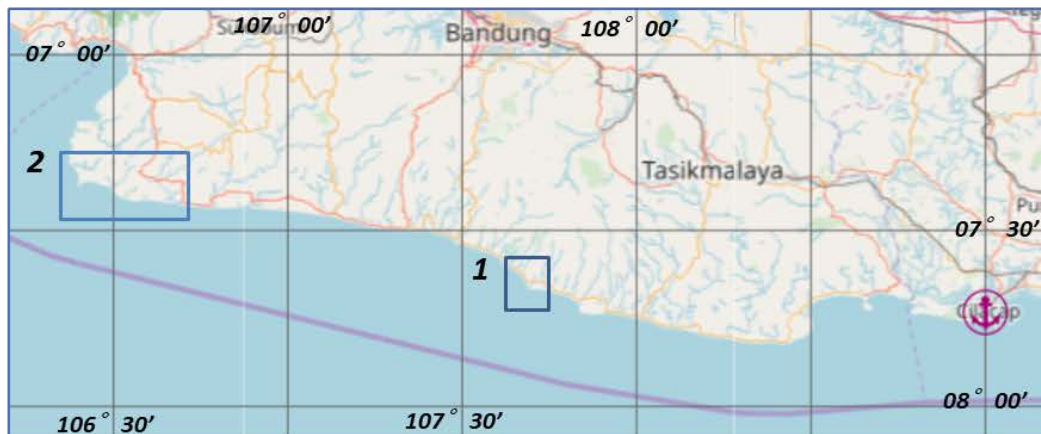
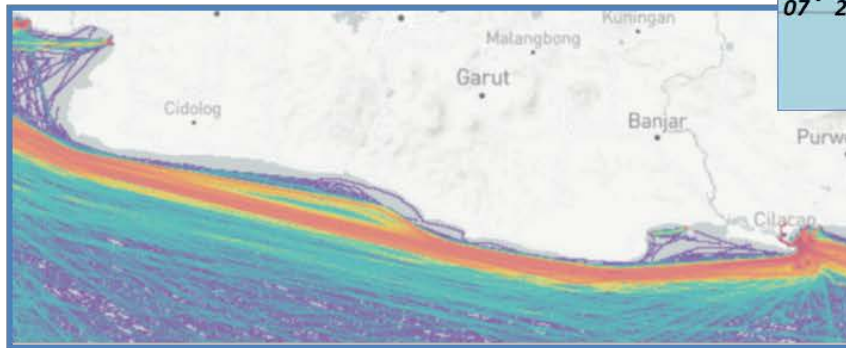


## 10 Cilacap (III)

### Planned AtoN

- 1 Sentolo Pamengpeuk (L.B)
- 2 Babadan (L.B)

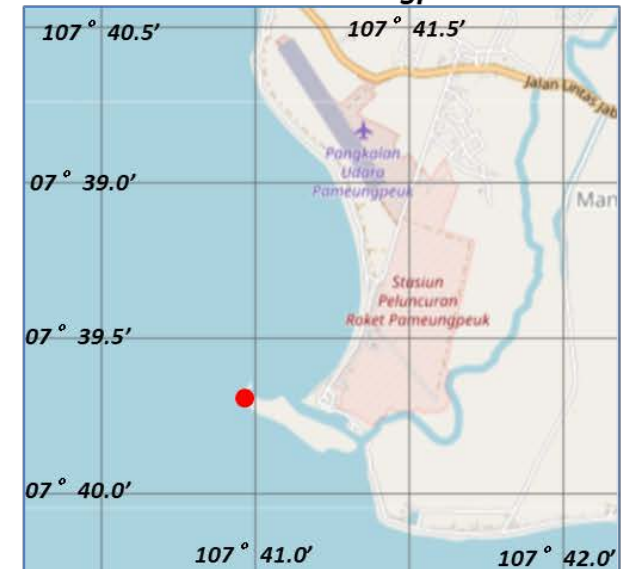
1 (  $07^{\circ} 39' 44.00'' S$   $107^{\circ} 40' 53.10'' E$  )  
2 (  $07^{\circ} 25' 22.12'' S$   $106^{\circ} 39' 36.78'' E$  )



### 2 Babadan



### 1 Sentolo Pamengpeuk



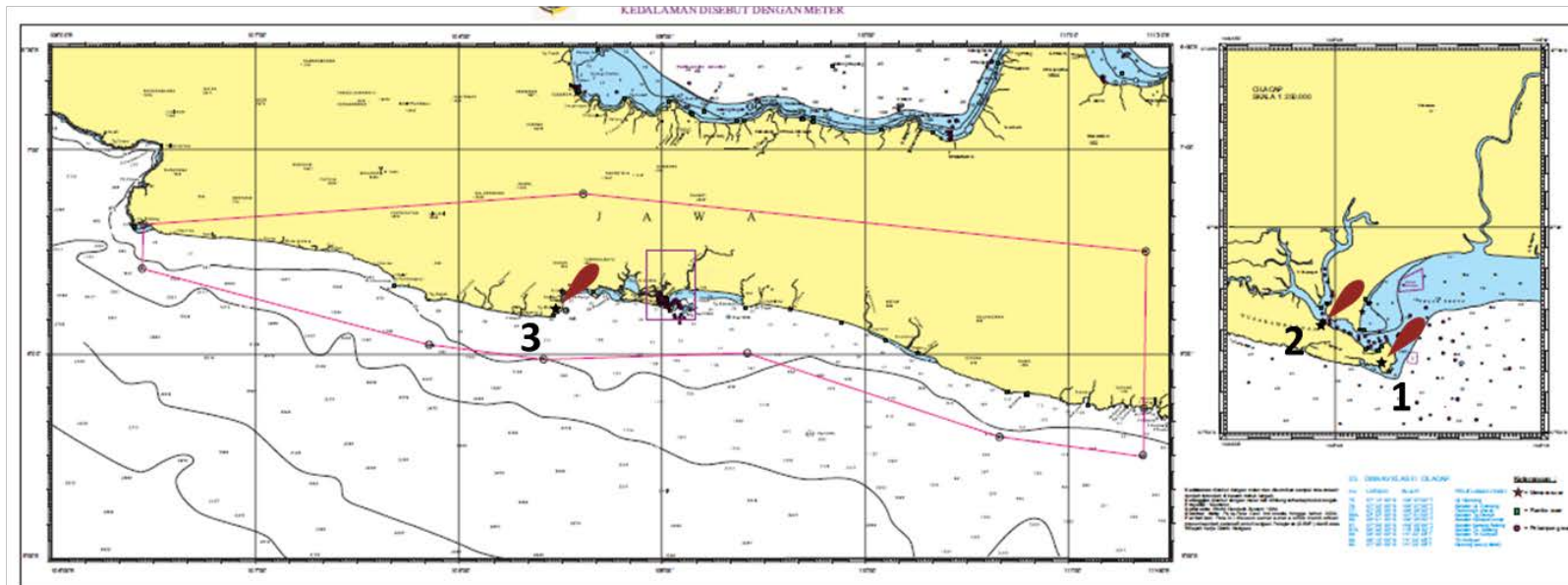
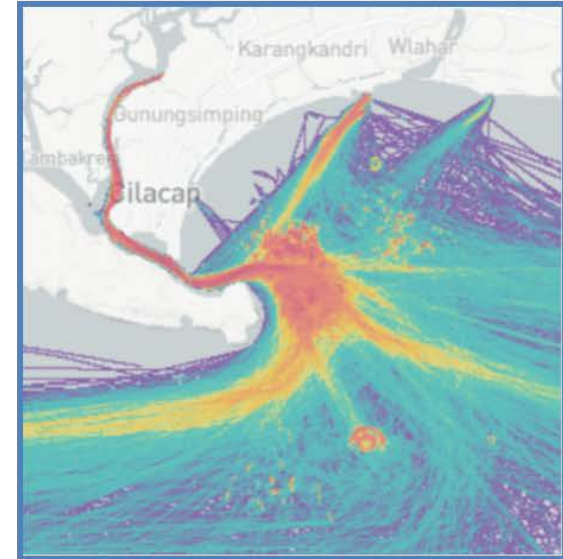
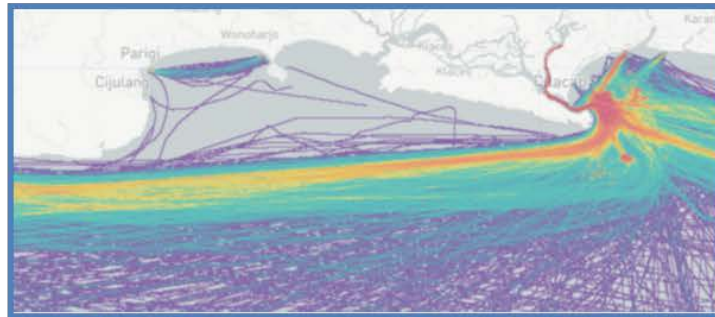


# 1-B Existing AtoN (Lighthouse)

## 10 Cilacap ( III )

Existing AtoN (Lighthouse)

- 1 Cimiring
- 2 Tg. Sodong
- 3 Legok Jawa



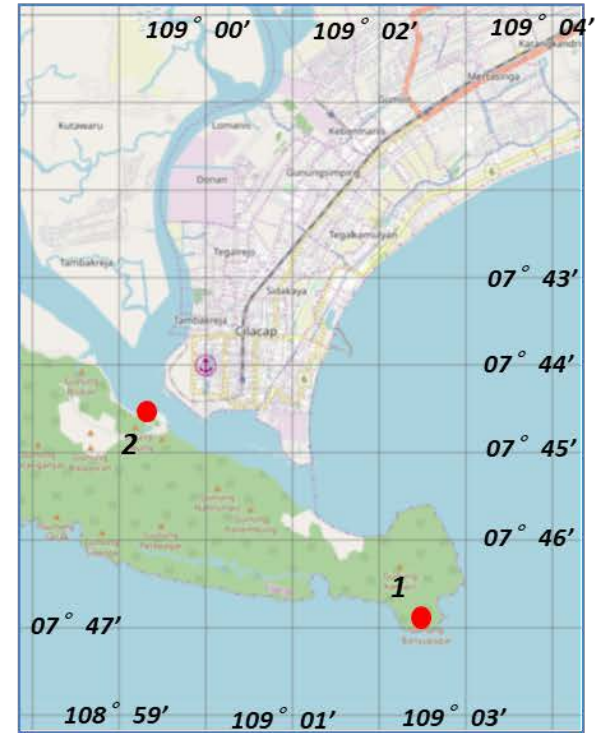
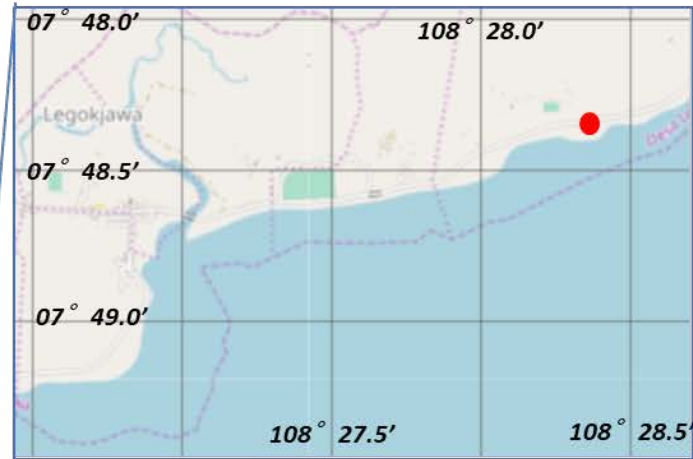


# 10 Cilacap ( III )

## Existing AtoN (Lighthouse)

- 1 Cimiring
- 2 Tg. Sodong
- 3 Legok Jawa

**1 ( 07 ° 46' 58.88" S 109 ° 02' 29.45" E )**  
**2 ( 07 ° 44' 34.20" S 108 ° 59' 21.00" E )**  
**3 ( 07 ° 48' 24.70" S 108 ° 28' 16.79" E )**



**Sheet ② Reporting Format for List of Existing AtoN**  
 Lembar ② (Format Pelaporan Daftar AtoN yang telah ada)

Name of Sea Area / Port  
 Nama Lokasi / Pelabuhan : Fill Out (Diisi)

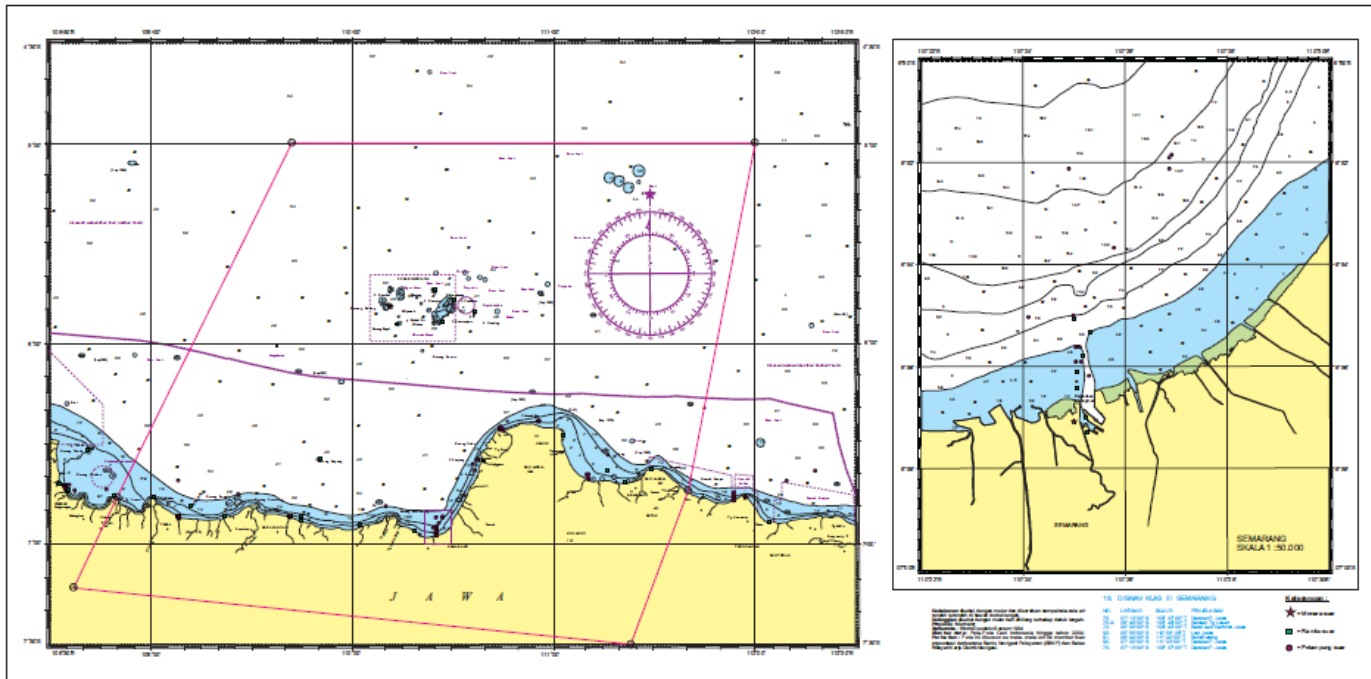
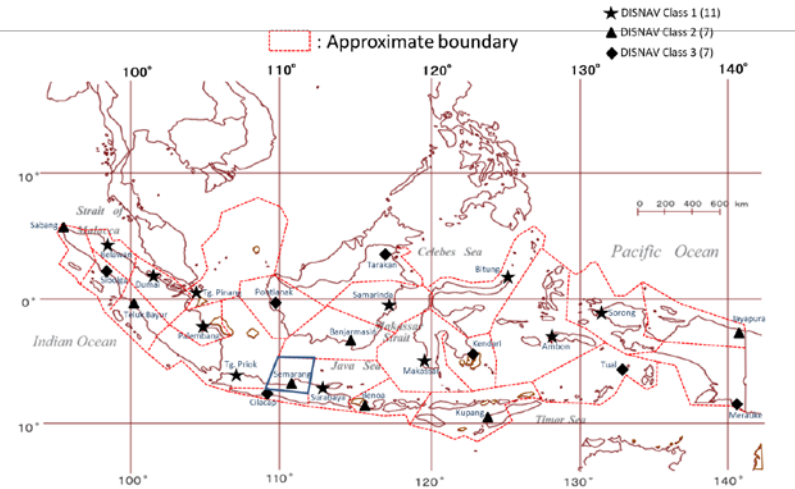
District : Cilacap (10)

Chart No (Name) : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)						Remarks (Catatan)	
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna lampu)	Top Mark		Popular name (Nama Populer) (Fill out) ( Diisi)
		Longitude (Garis Bujur)	Latitude (Garis Lintang)									Category (*9) Kategori	Shape (*10) Bentuk	
1	Cimiring	07°-46-58-38"S	108°-02-29-45"E	Lighthouse	Long-range Light	Congested area (Area Padat)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
2	Tg. Sodong	07°-44-34-2"S	108°-59-21-0"E	Lighthouse	Long-range Light	Congested area (Area Padat)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	
3	Legok Jawa	07°-48-24.70"S	108°-28-16-79"E	Lighthouse	Long-range Light	Congested area (Area Padat)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku	

# 11 DISNAV Semarang

## Outline of DISNAV Service Area



# 1-A Summary Table for Nominated Area

## 11 DISNAV Semarang

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Logon Bajak	1	-----	----	----	Lighted Buoy	
		2	-----	----	----	"	
		3	-----	----	----	"	
		4	-----	----	----	"	
2	Kalimunjawa	1	-----	----	----	Lighted Beacon	
		2	-----	----	----	"	
		3	-----	----	----	"	
		4				"	



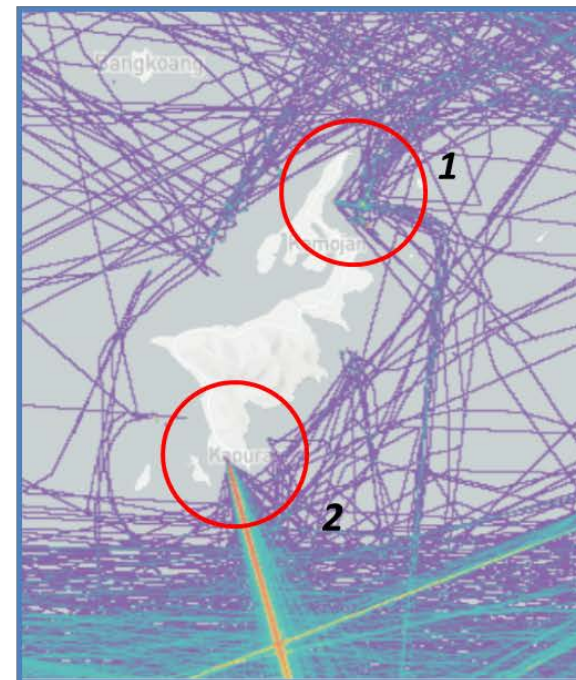
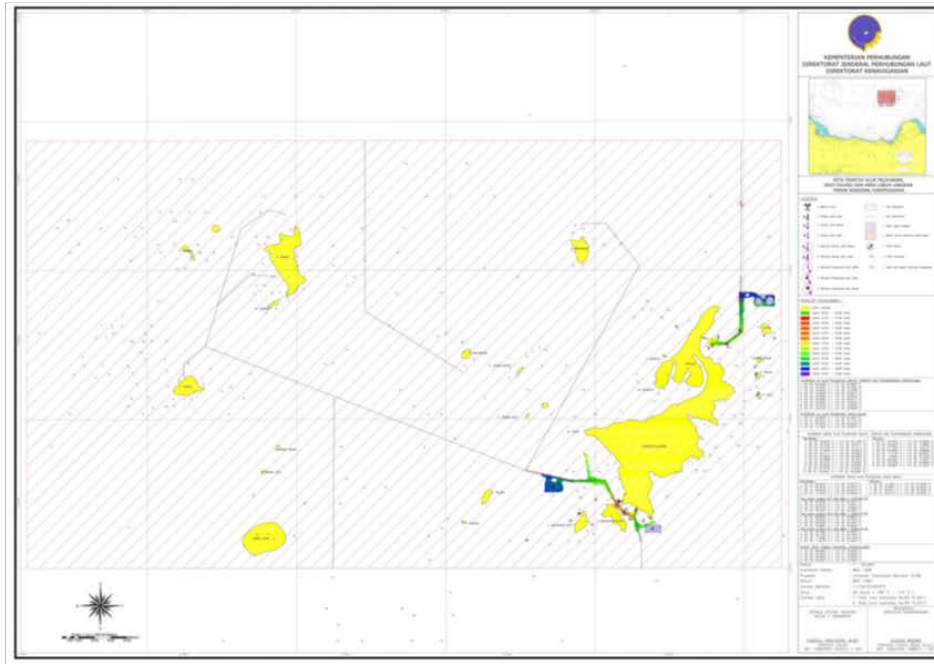
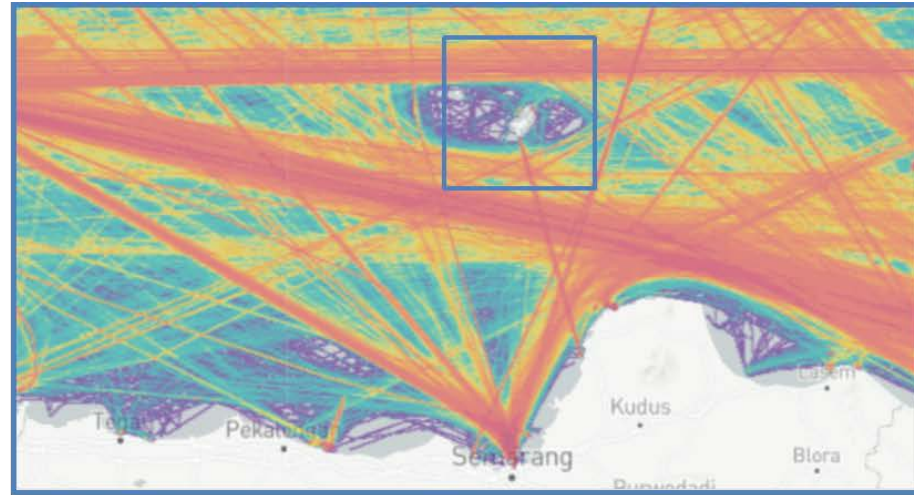
# 1-B Outline Map of Nominated Area

11 Semarang

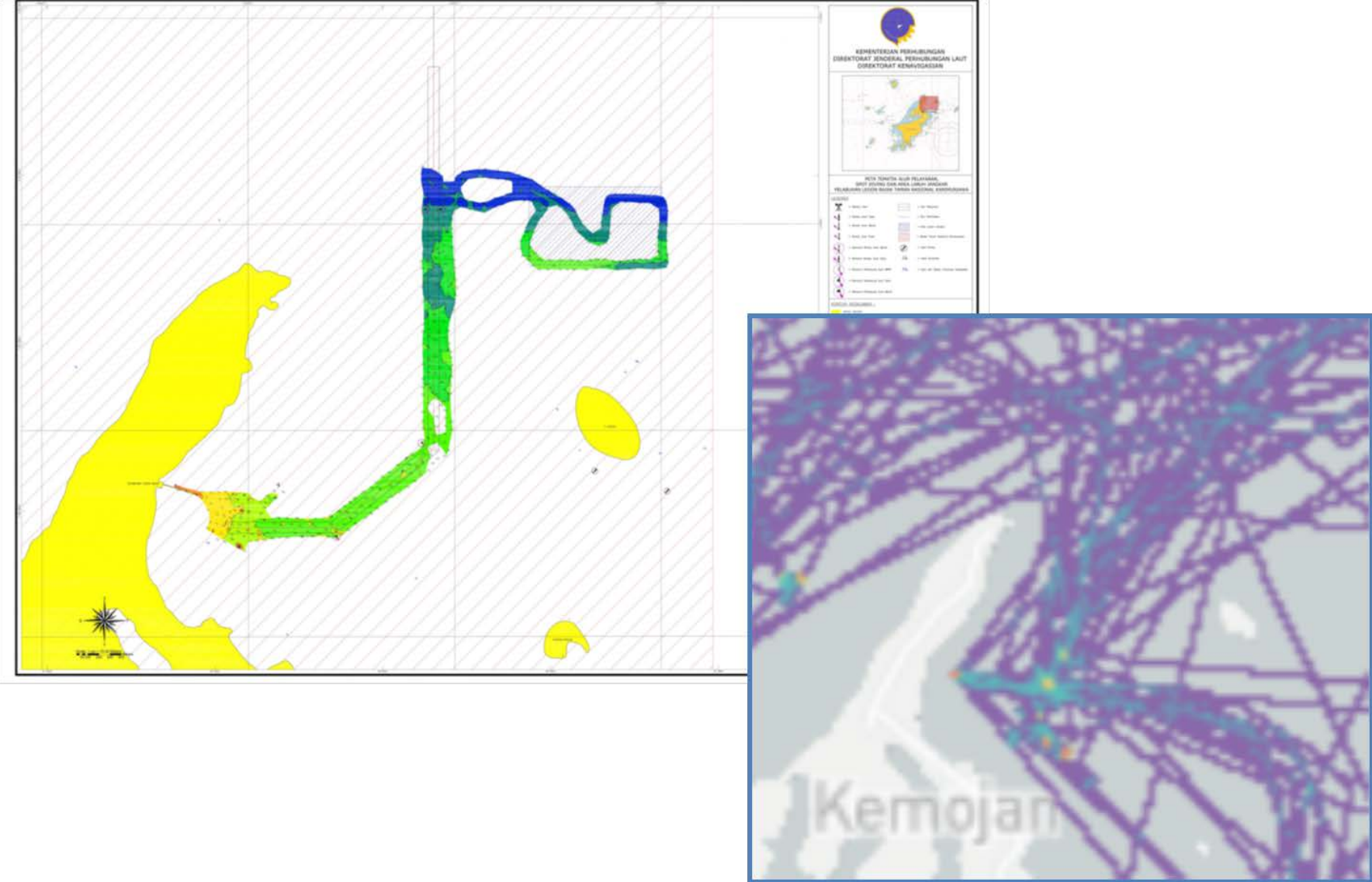
## ***Traffic Rout and Planned AtoN***

Pulau Karimun Jawa

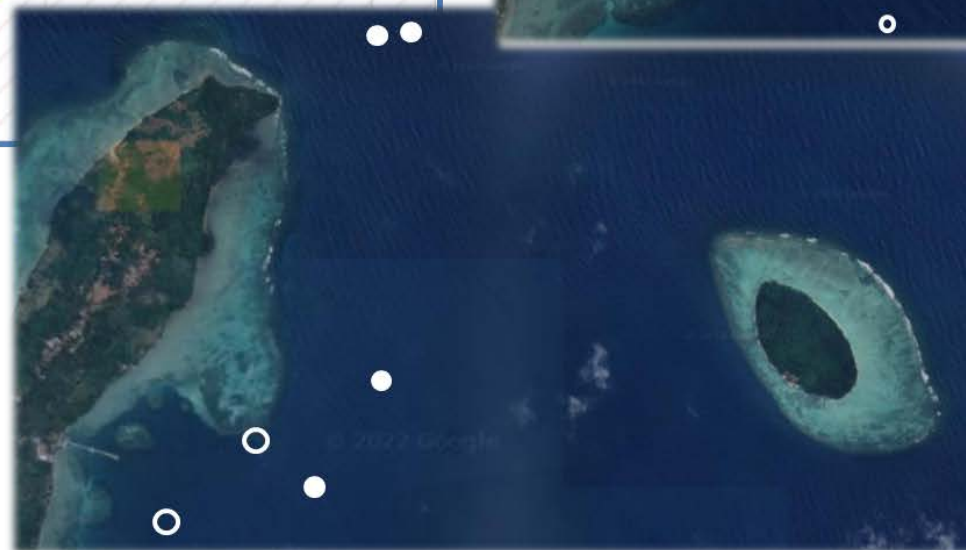
- 1 Logon Bajak
- 2 Kalimunjawa



# 1 PELABUHAN Logon Bajak

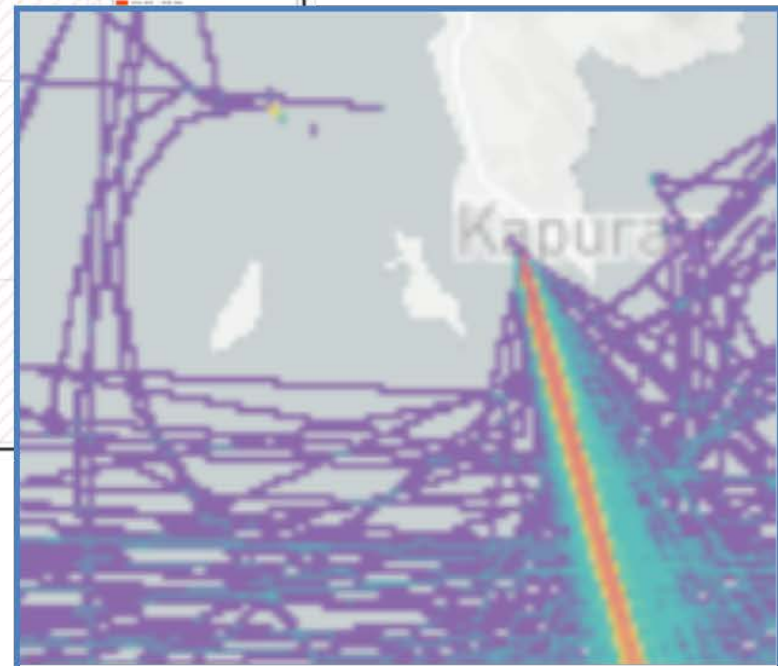
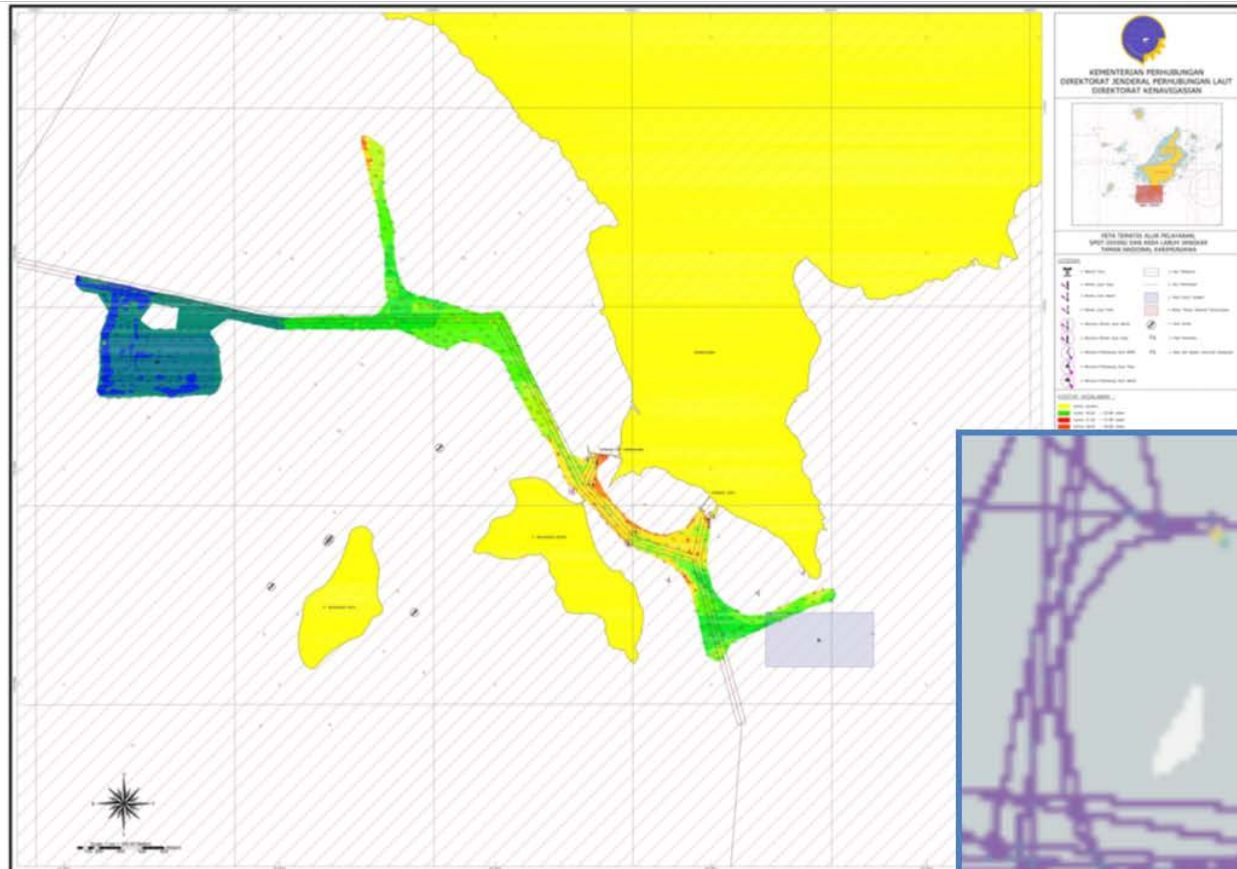


# 1 PELABUHAN Logon Bajak



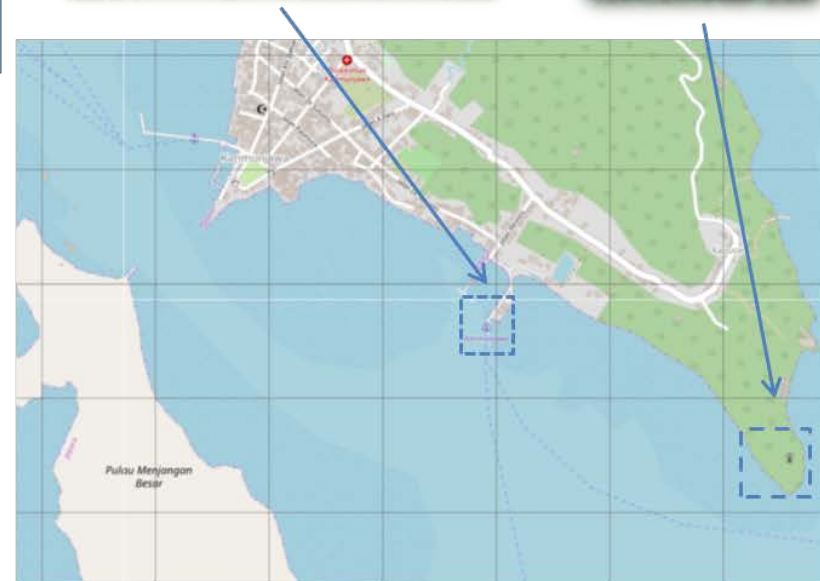
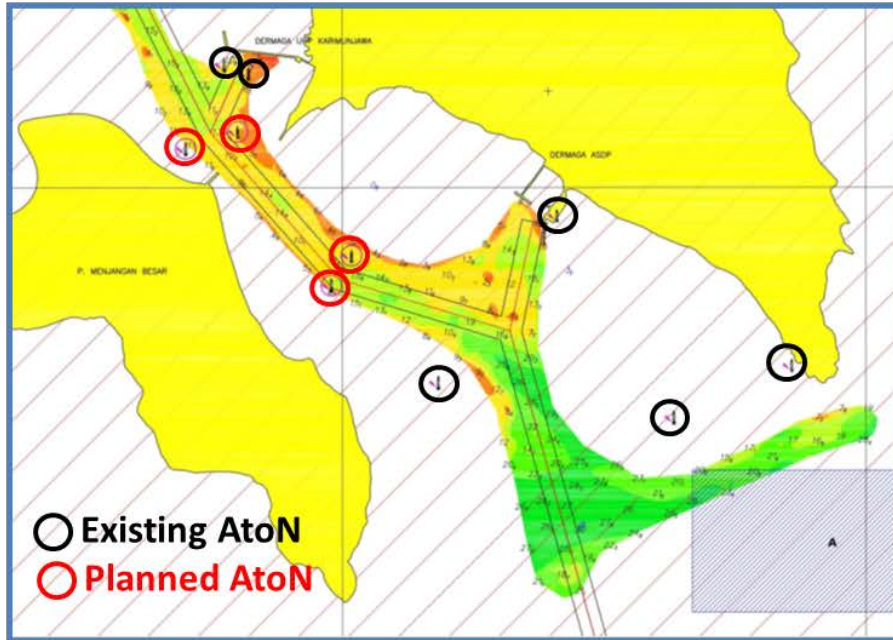


## 2 PELABUHAN Kalimunjawa

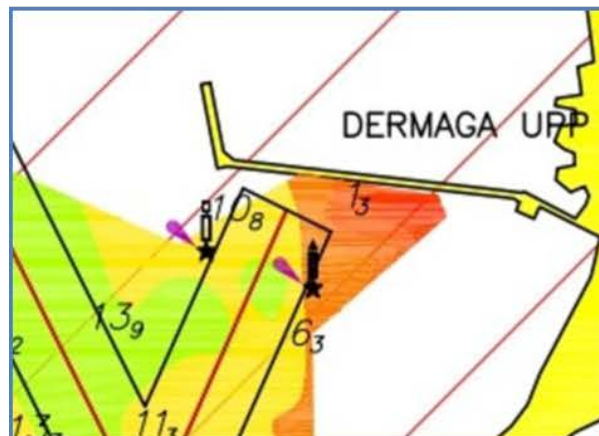
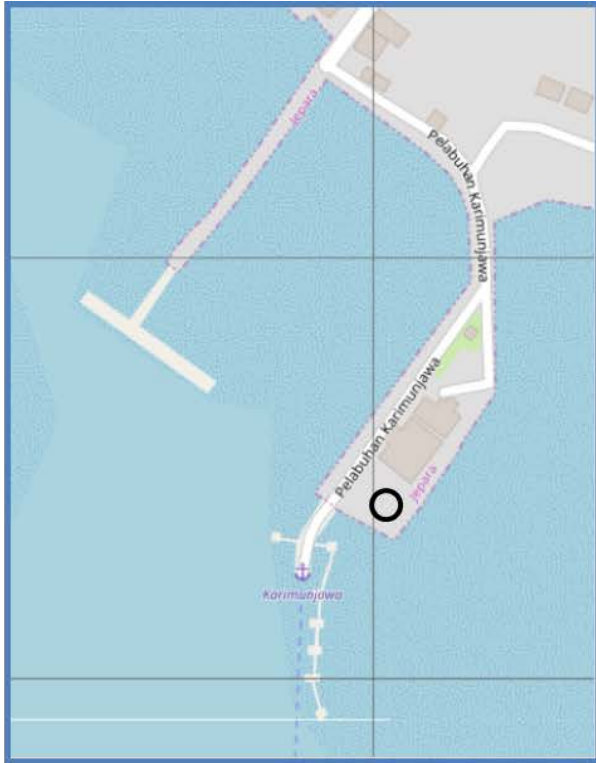




## 2 PELABUHAN Kalimunjawa



## 2 PELABUHAN Kalimunjawa



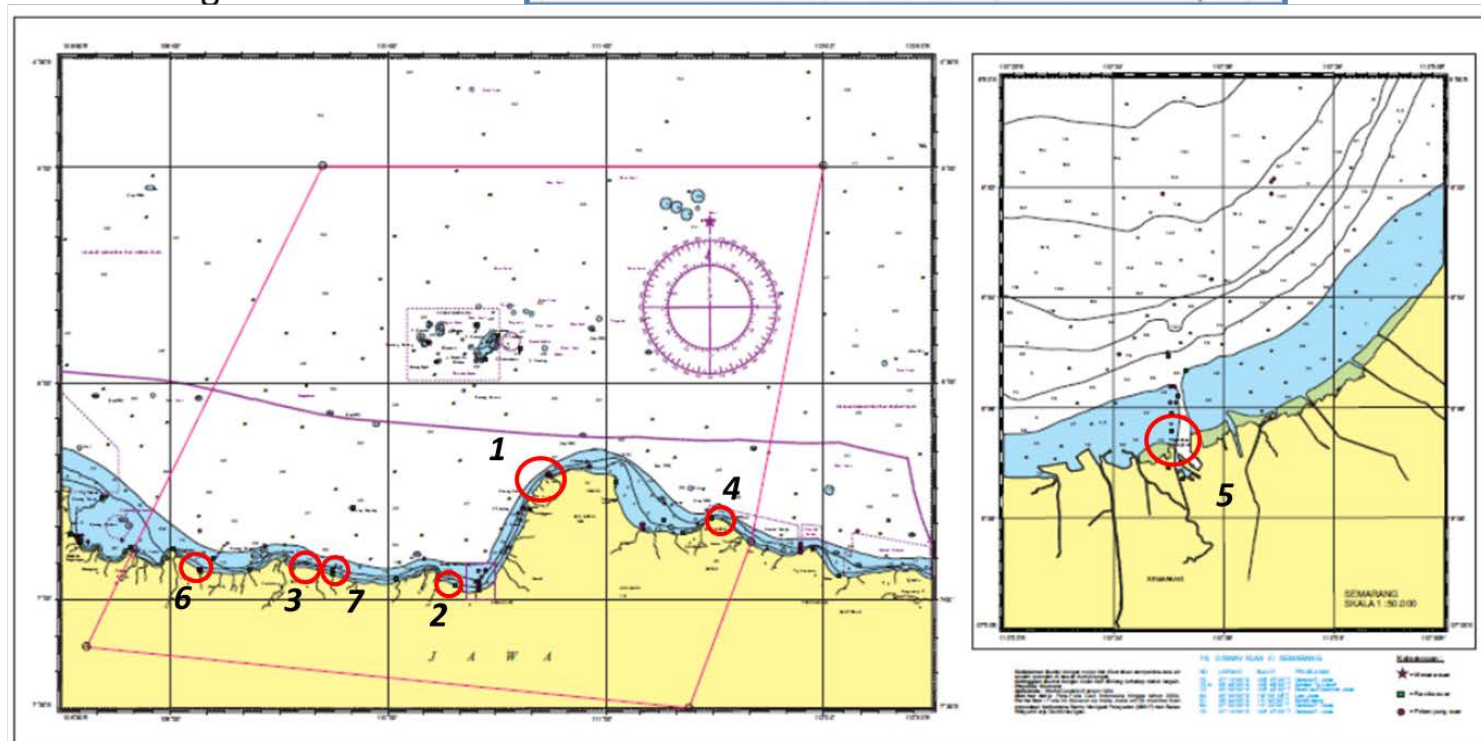
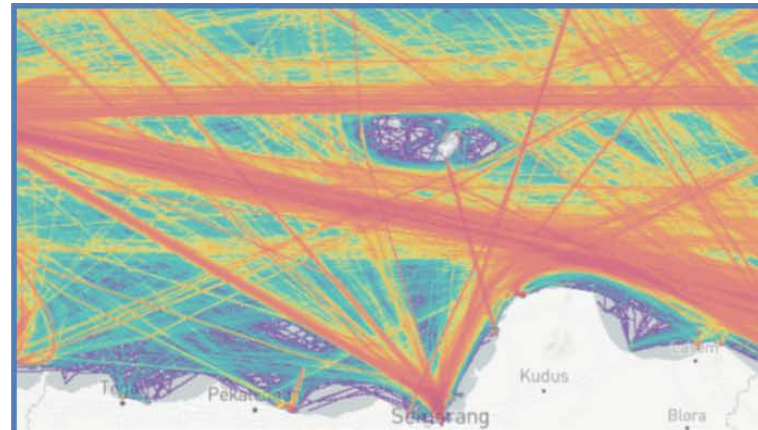


## 1-B Outline Map of Existing Traffic Route

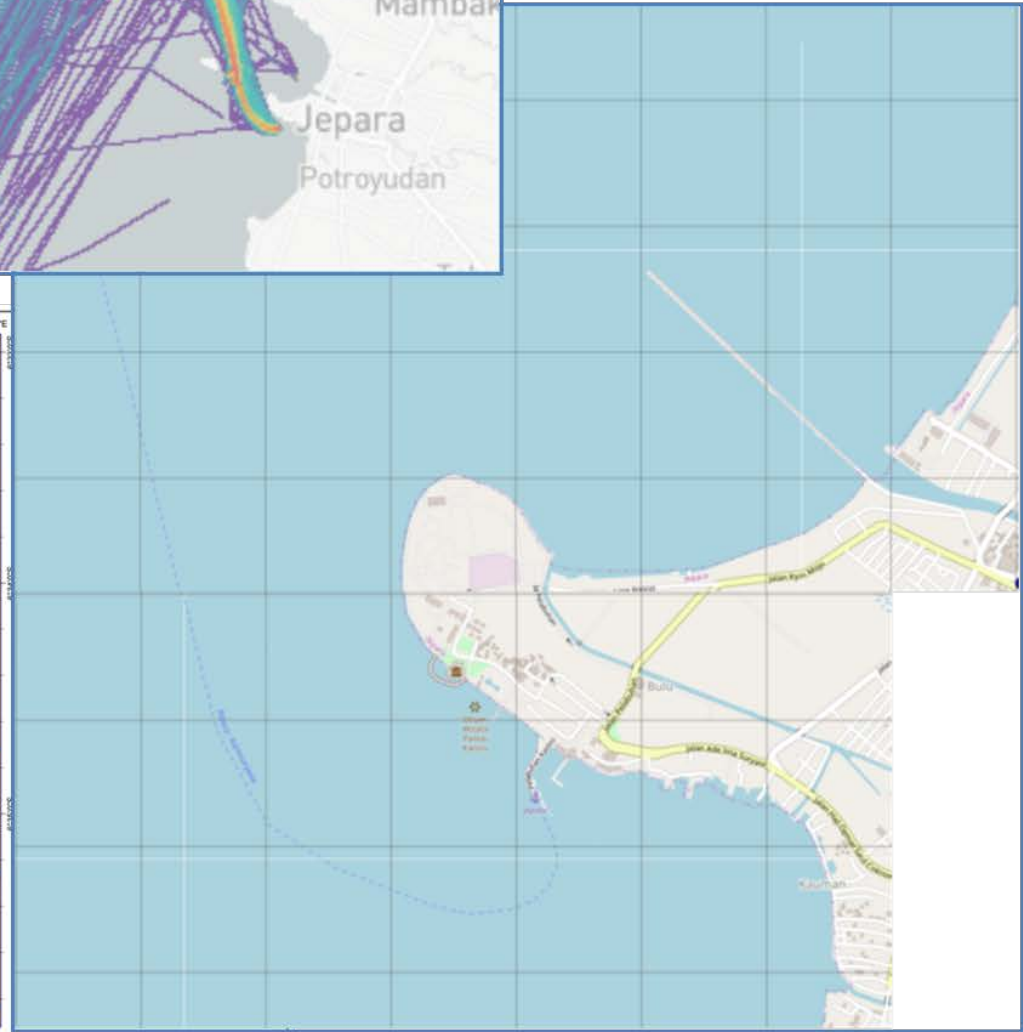
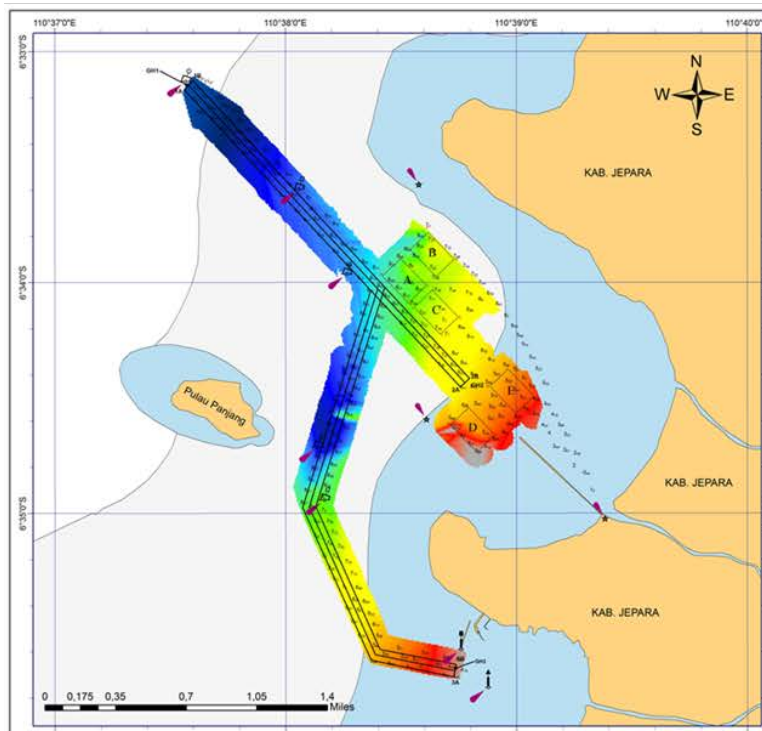
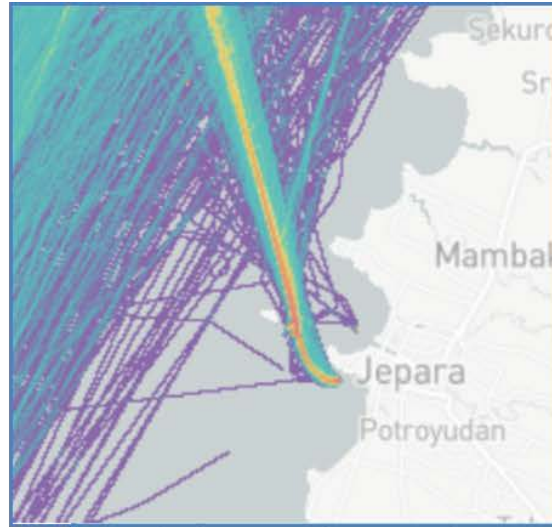
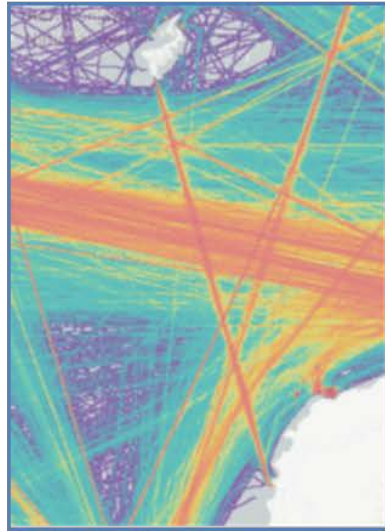
### 11 Semarang

#### **Traffic Rout and AtoN**

- 1 Jepara
- 2 Kendal
- 3 Pekalongan
- 4 Rembang
- 5 Semarang
- 6 Tegal
- 7 Batang

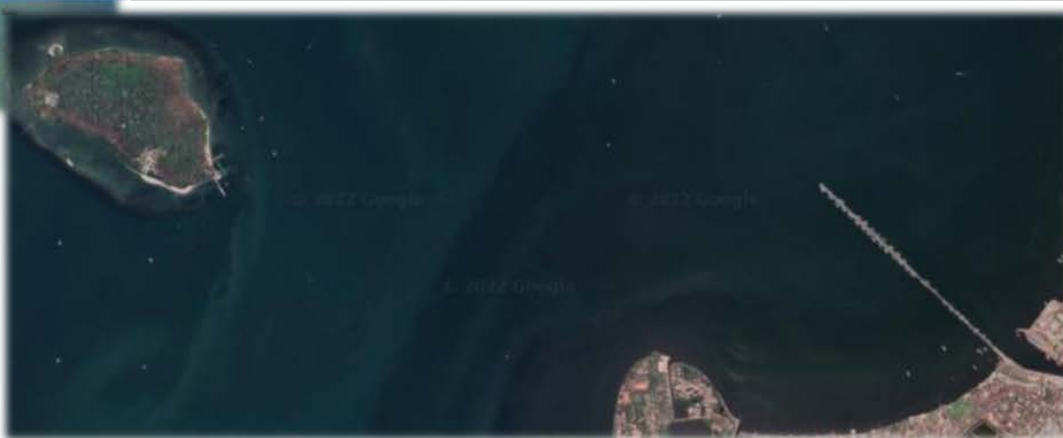
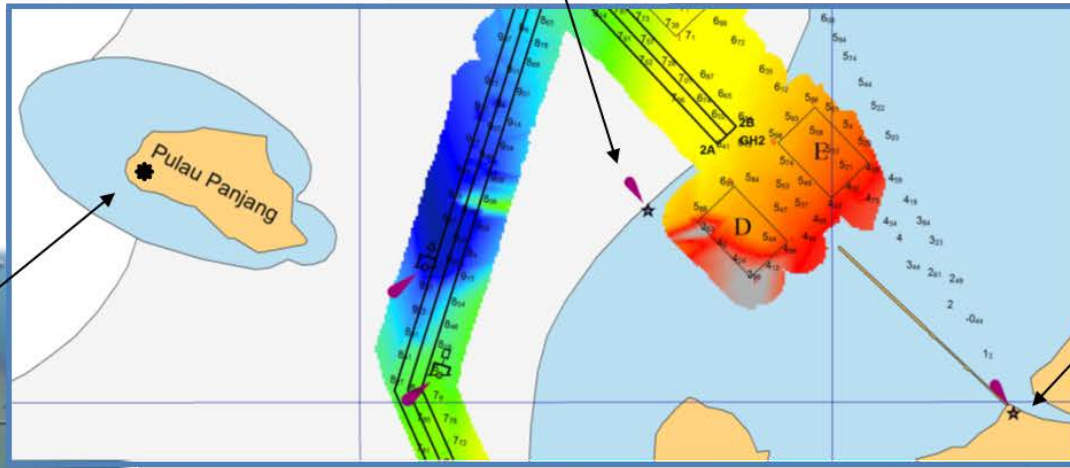


# 1 Jepara

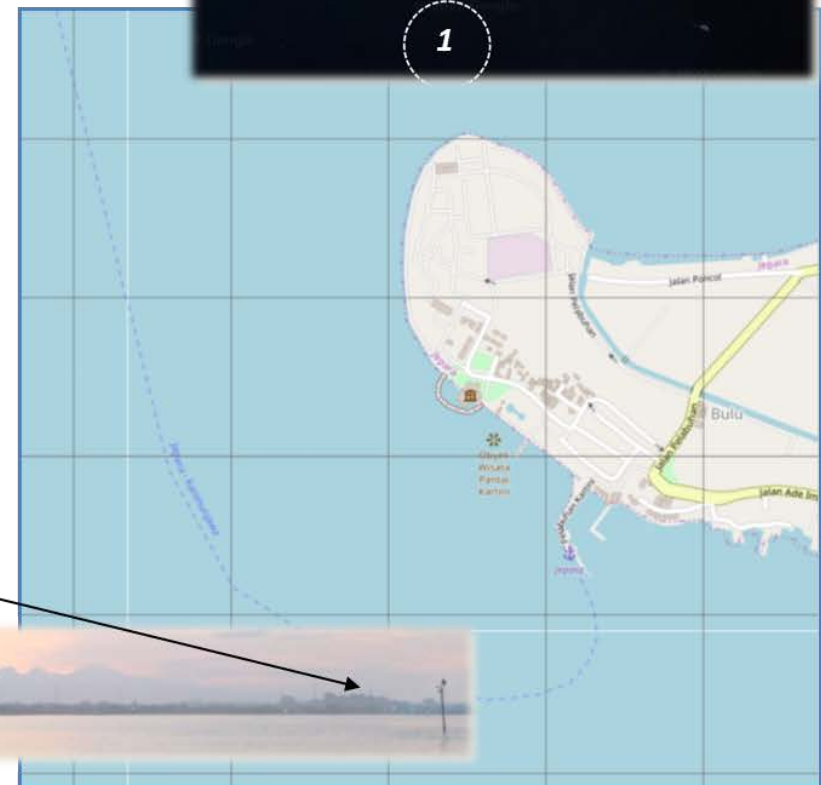
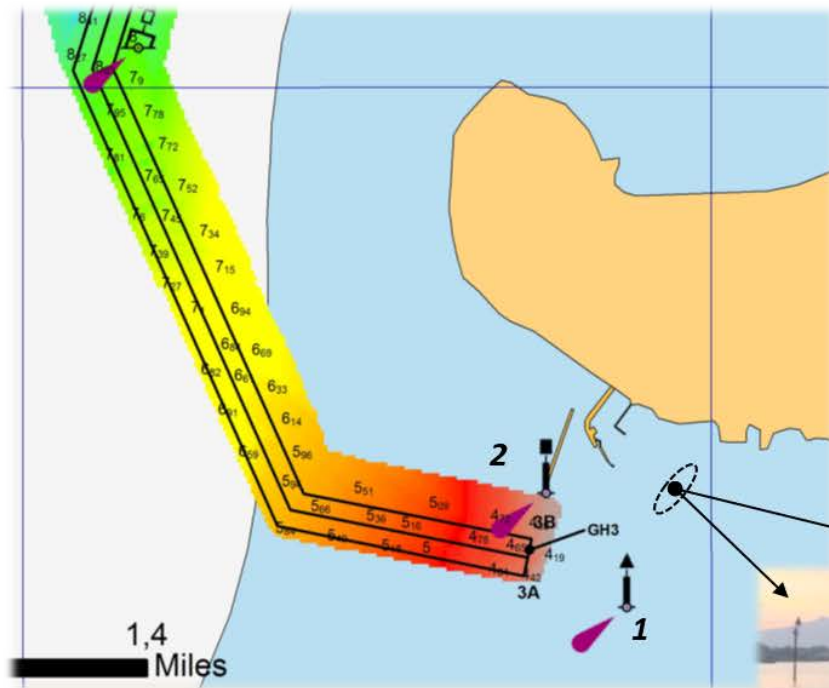




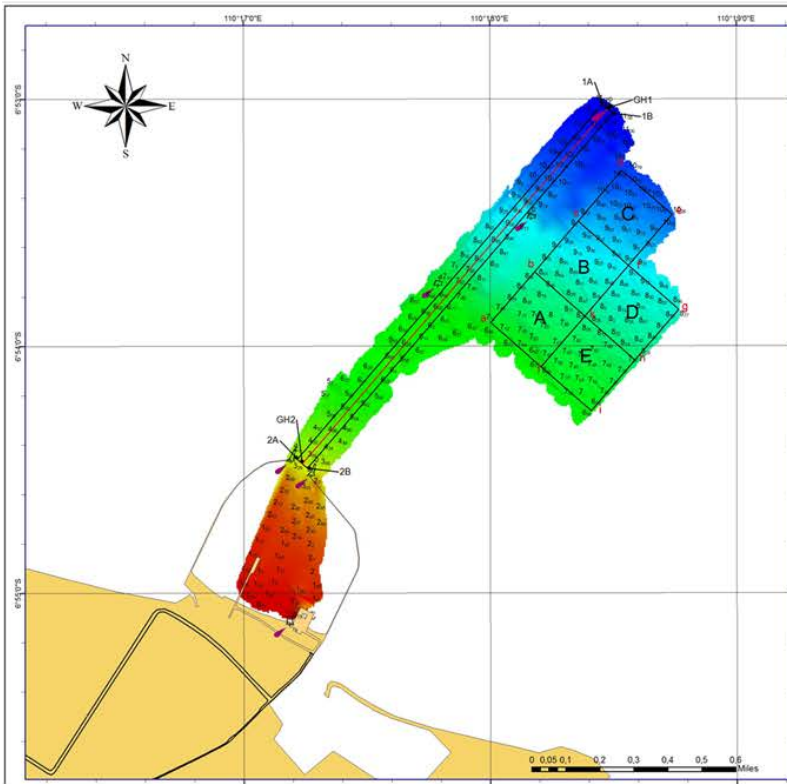
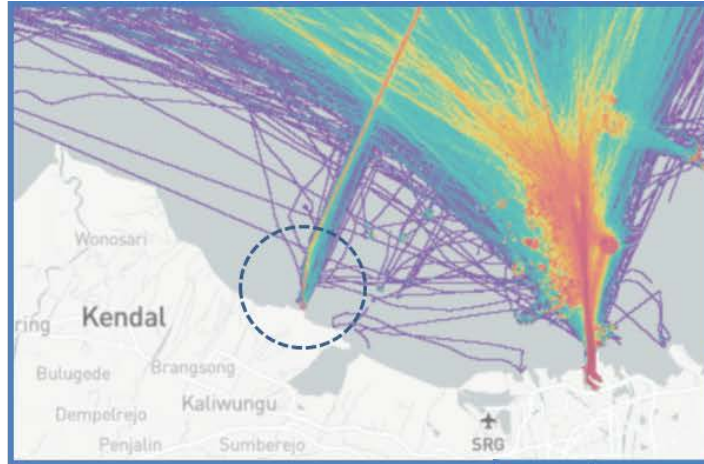
# 1 Jepara



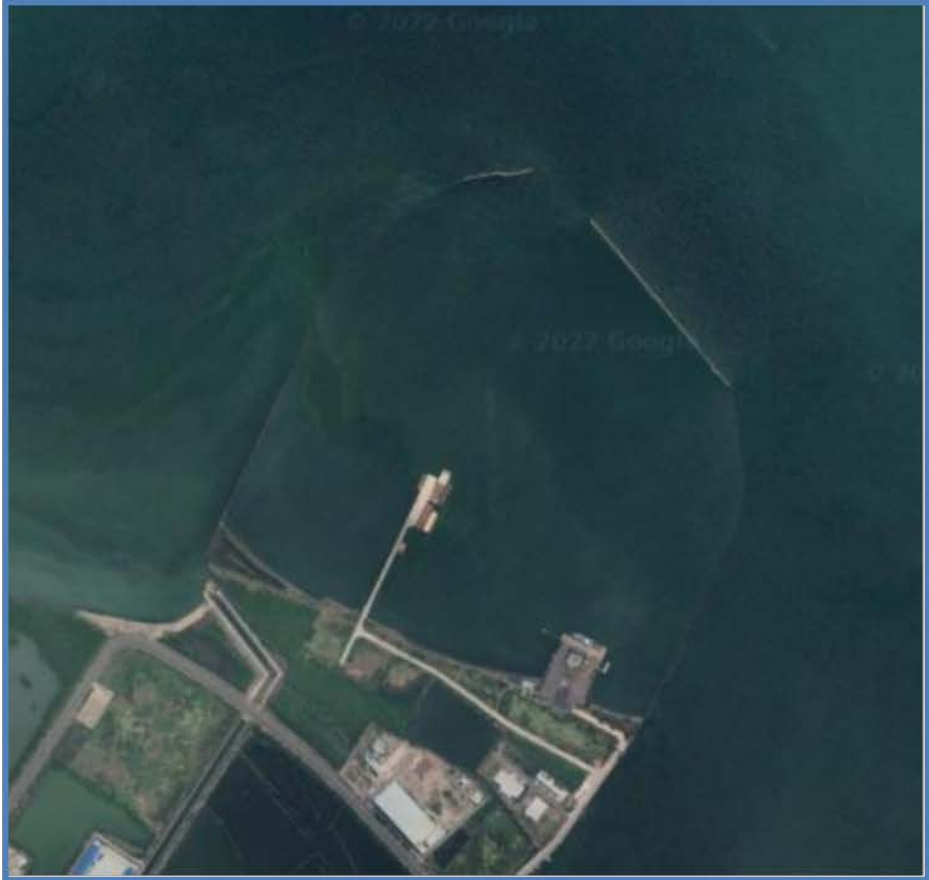
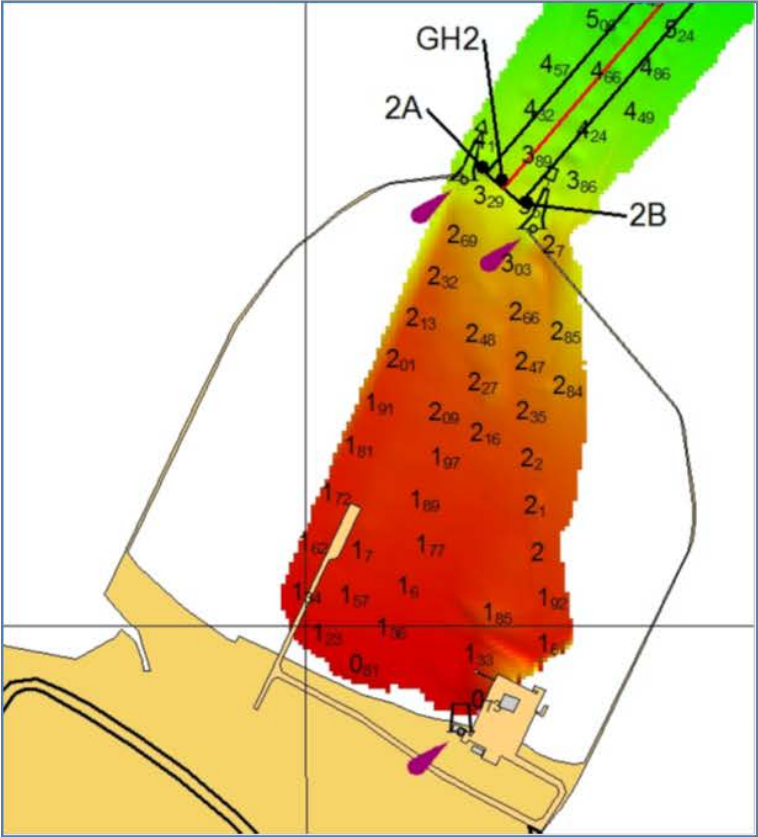
# 1 Jepara



## 2 Kendal

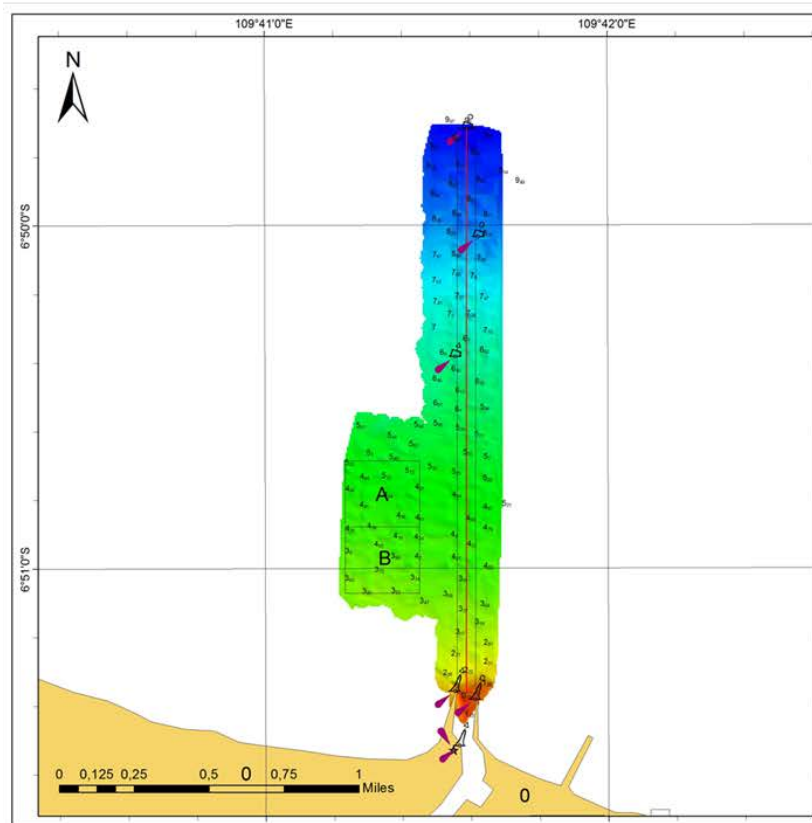
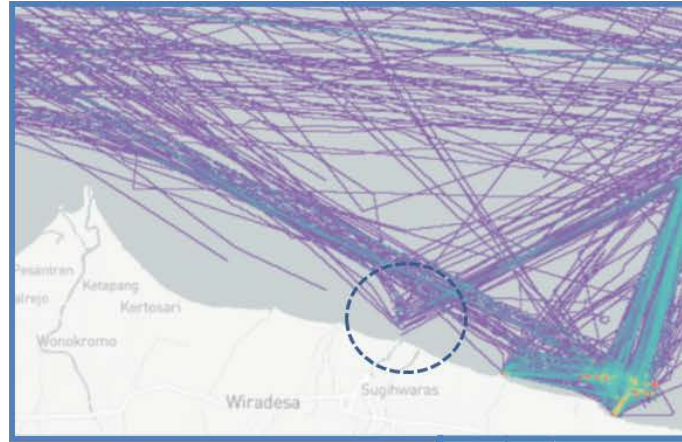


2 Kendal





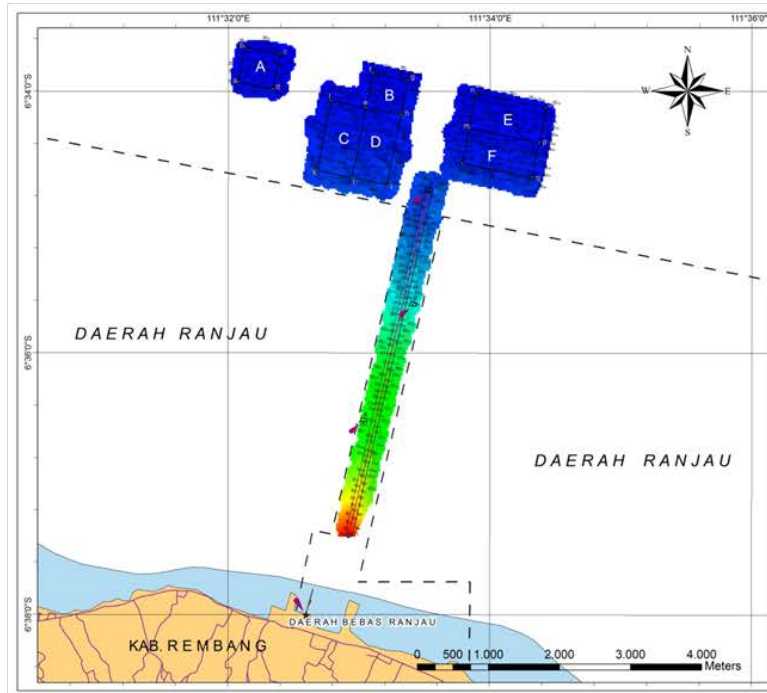
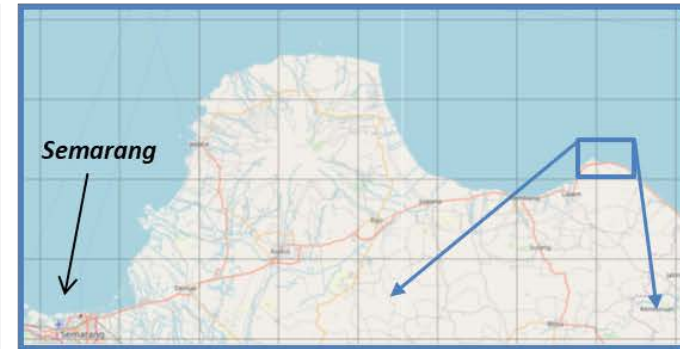
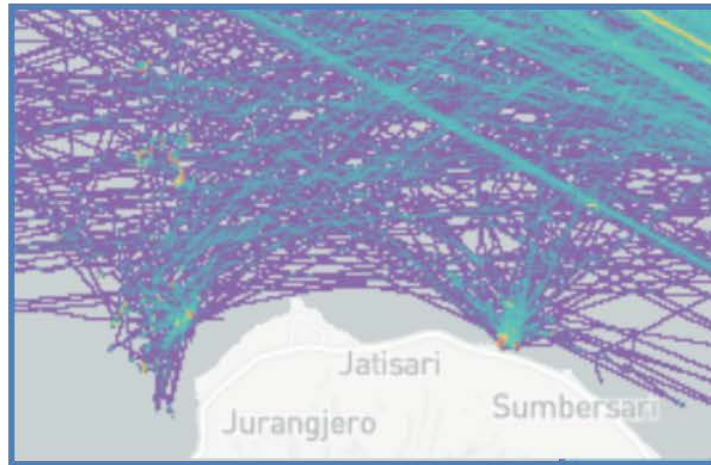
### 3 Pekalongan



### 3 Pekalongan



# 4 Rembang



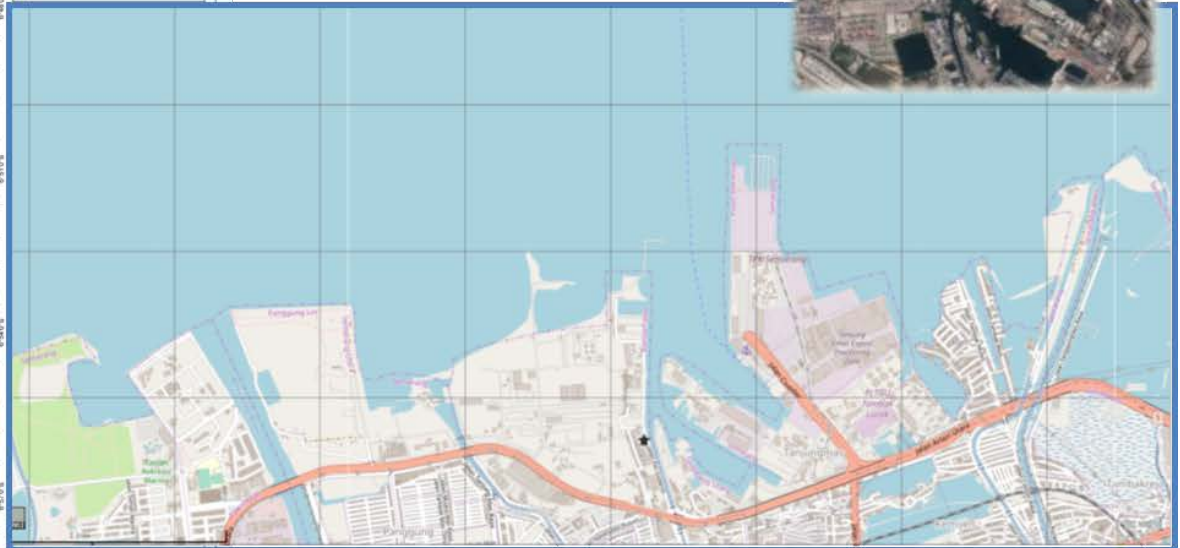
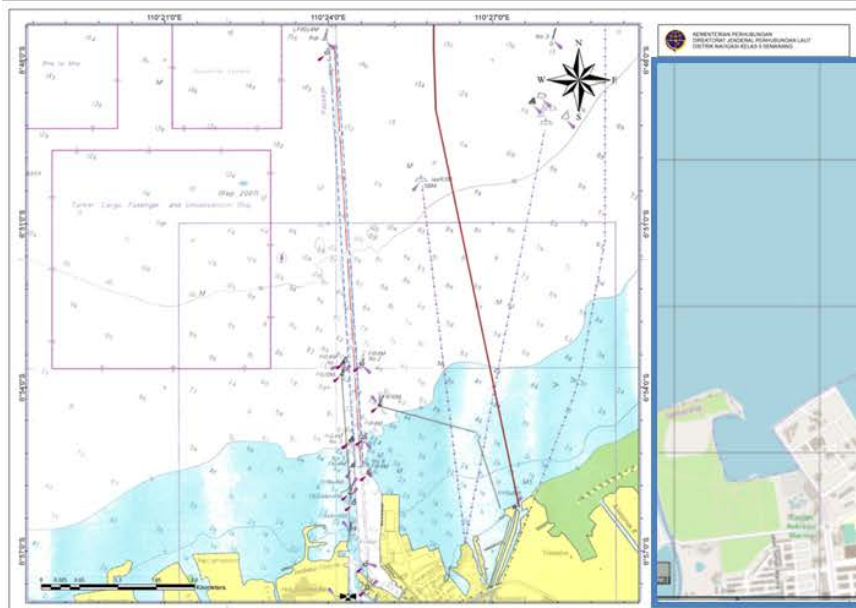
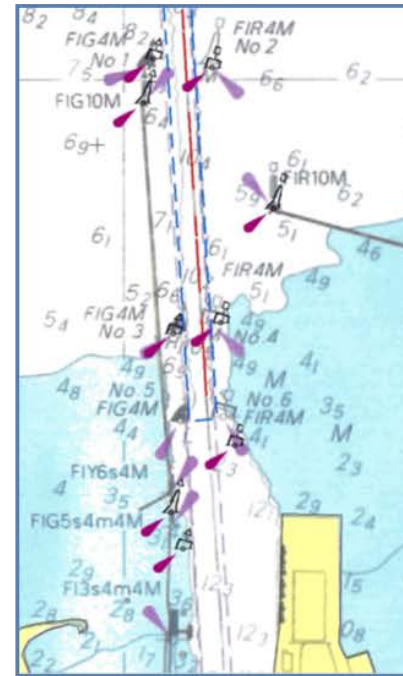
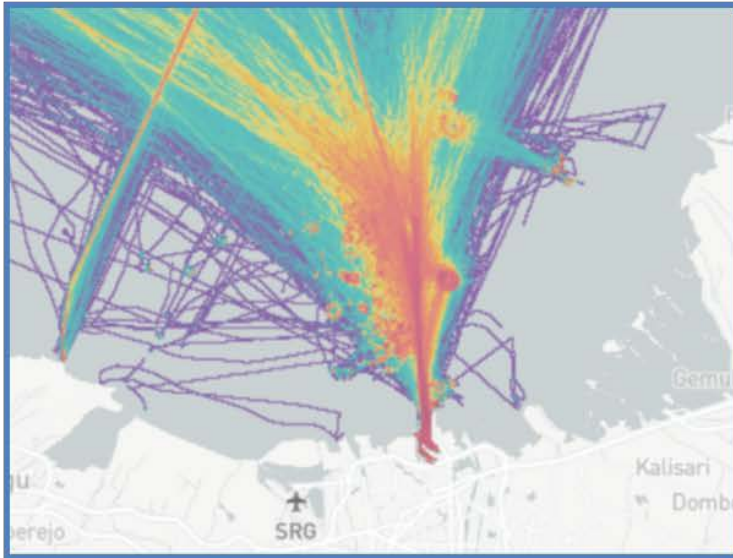


4 Rembang

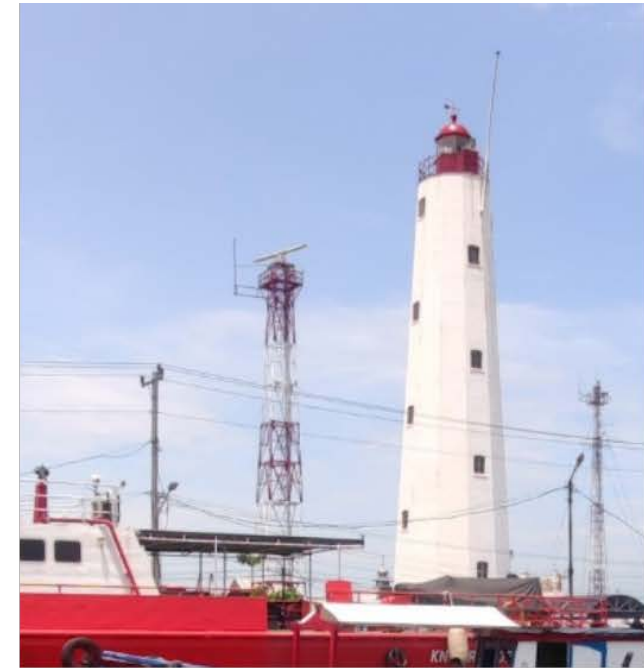




## 5 Semarang

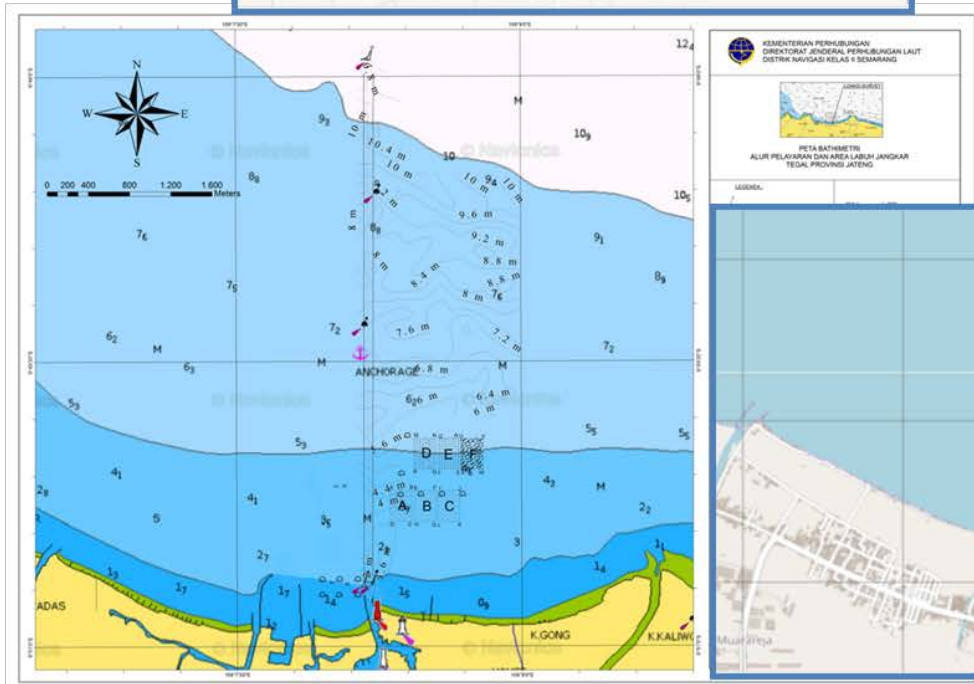


## 5 Semarang





# 6 Tegal

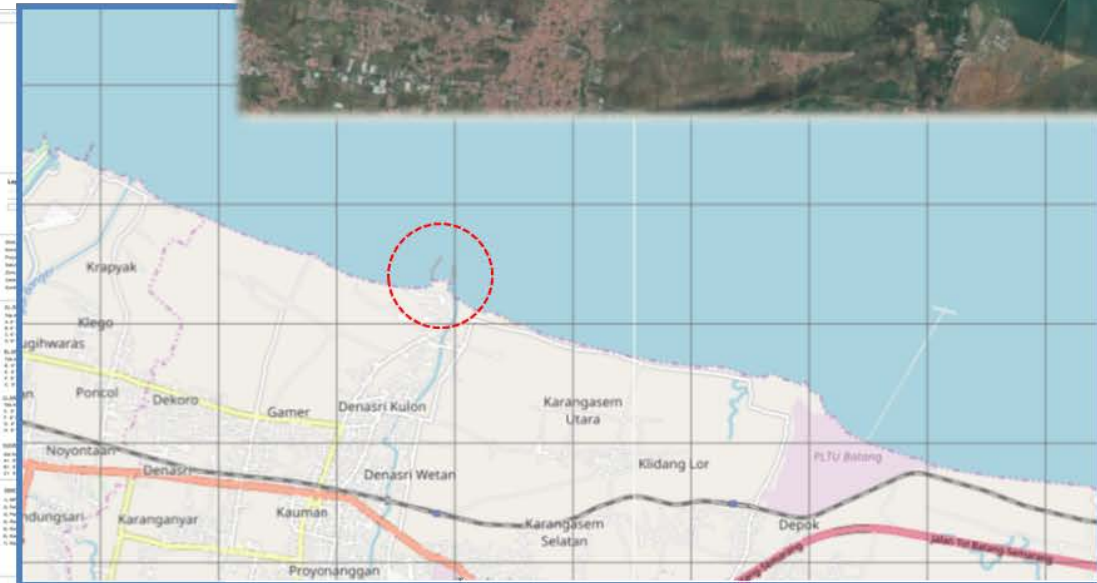
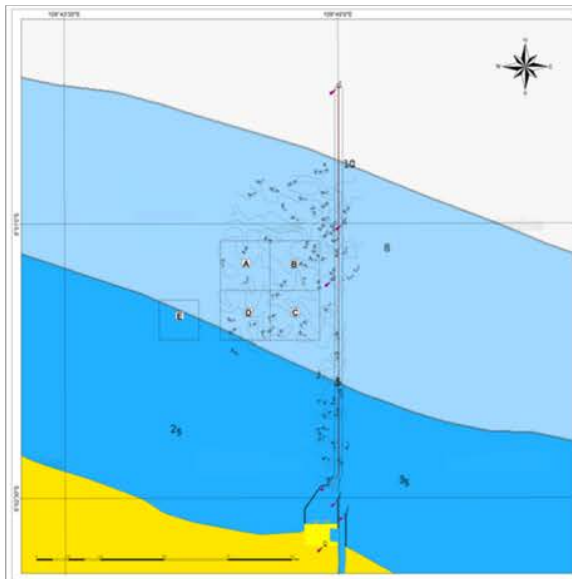
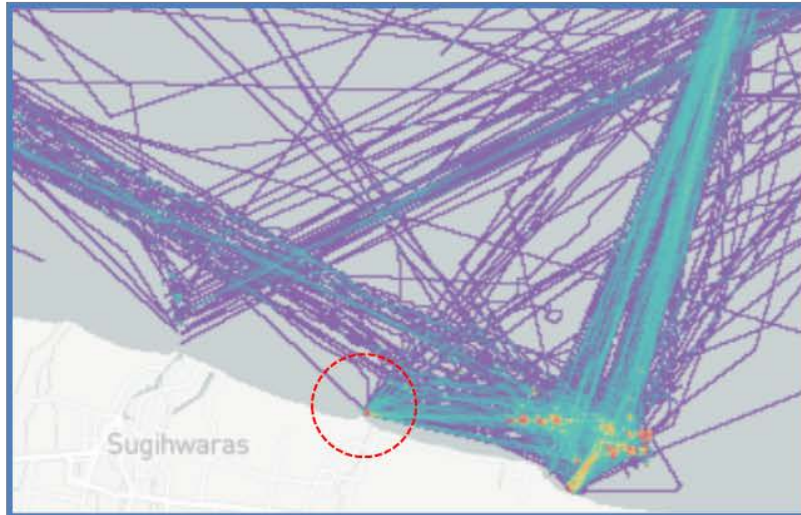


# 6 Tegal





## 7 Batang

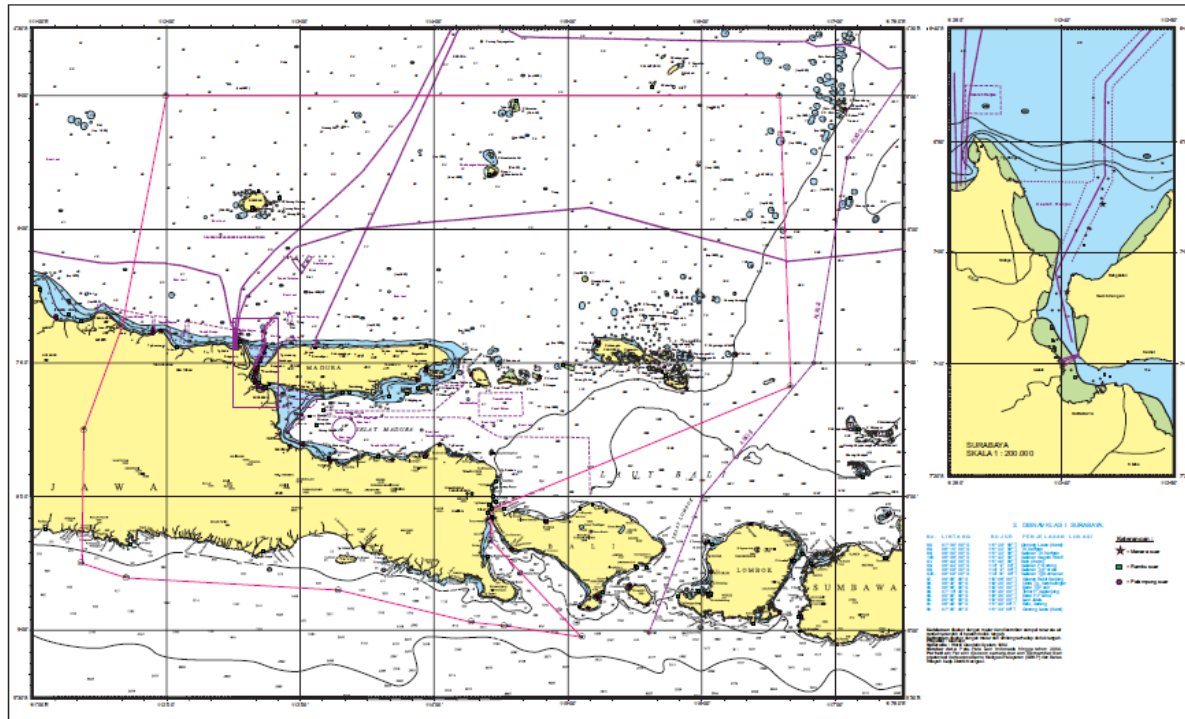
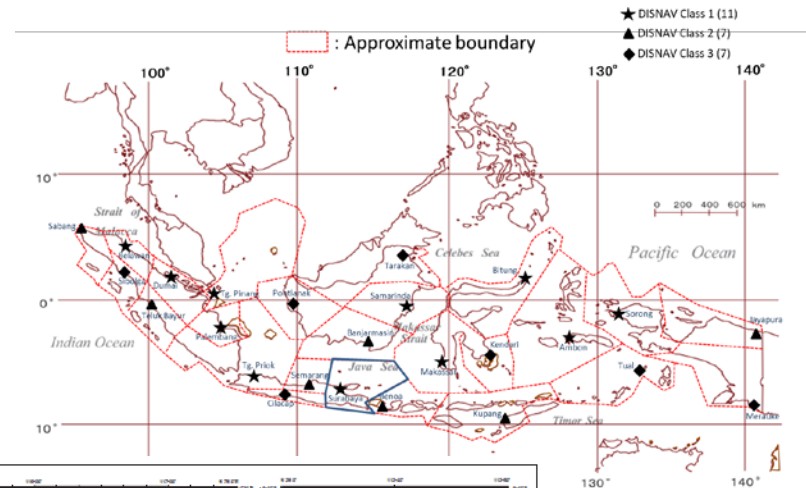


## 7 Batang



# 12 DISNAV Surabaya

## Outline of DISNAV Service Area



## 1-A Summary Table for Nominated Area

12 DISNAV Surabaya

No	Name (Place)	Type	Location		Other
			Latitude	Longitude	
1	Mandangin	Coastal Waters	-----	-----	Menghindari kapal kandas



# 1-B Outline Map of Nominated Area

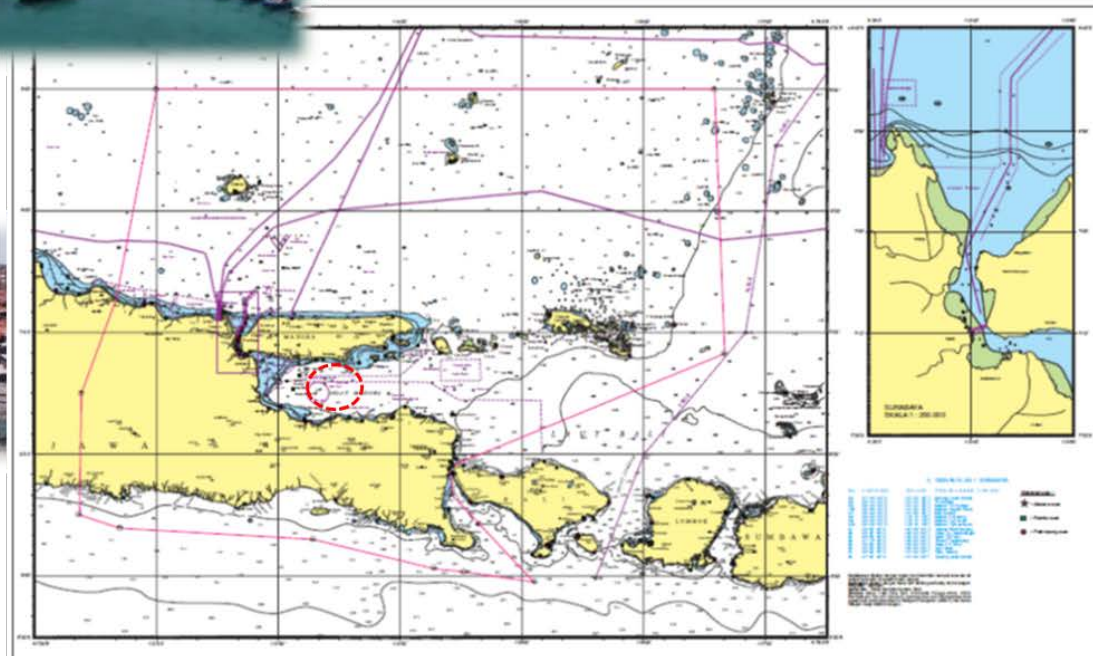
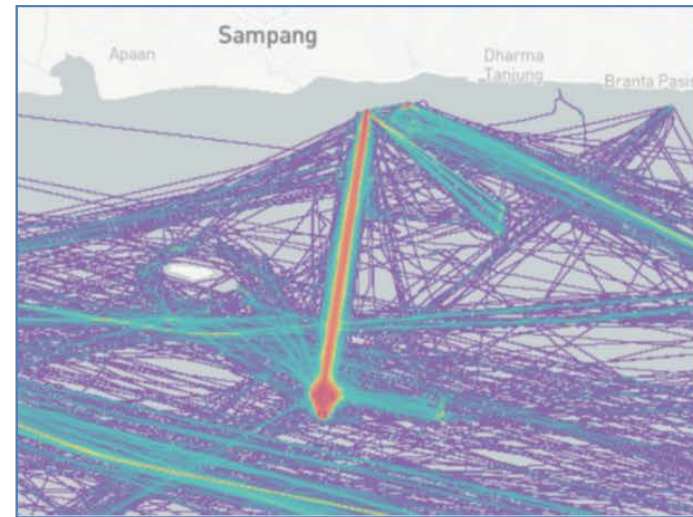
12 Surabaya ( I )

Nominated Area (Innovation)

1 Mandangin

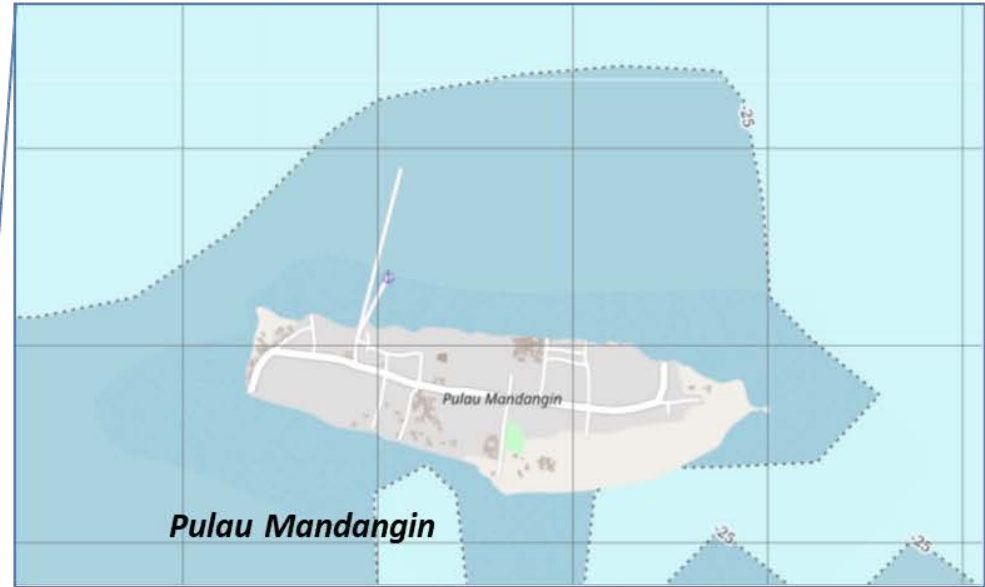


PULAU MANDANGIN



11 Surabaya

Mandangin



**Menghindari kapal kandas**

(Avoid the ship aground)





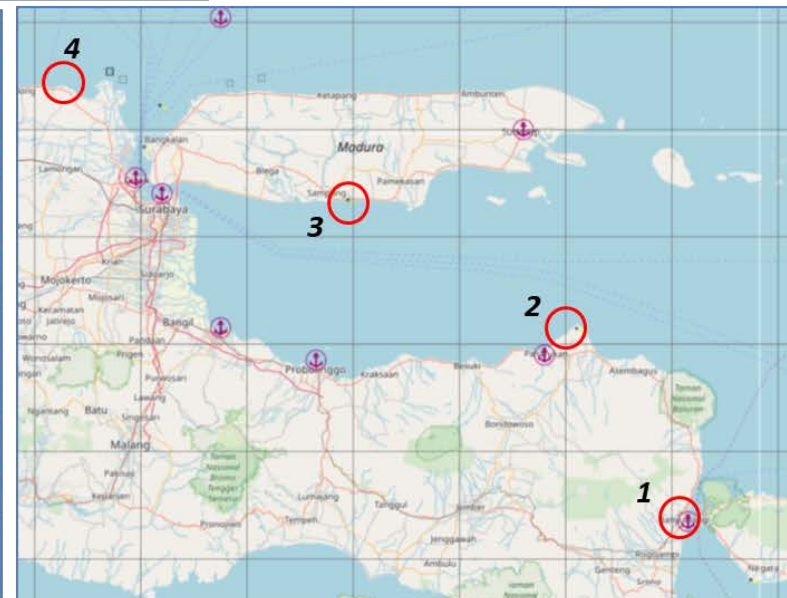
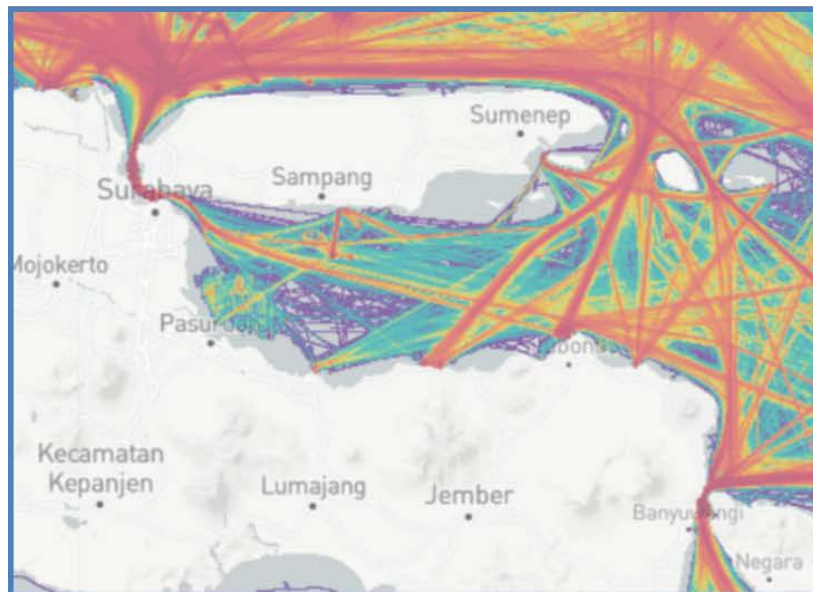
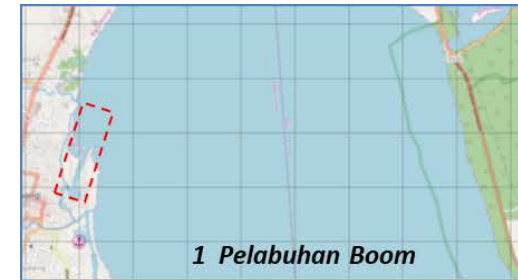


## 1-B Outline Map of Existing Traffic Route

12 Surabaya

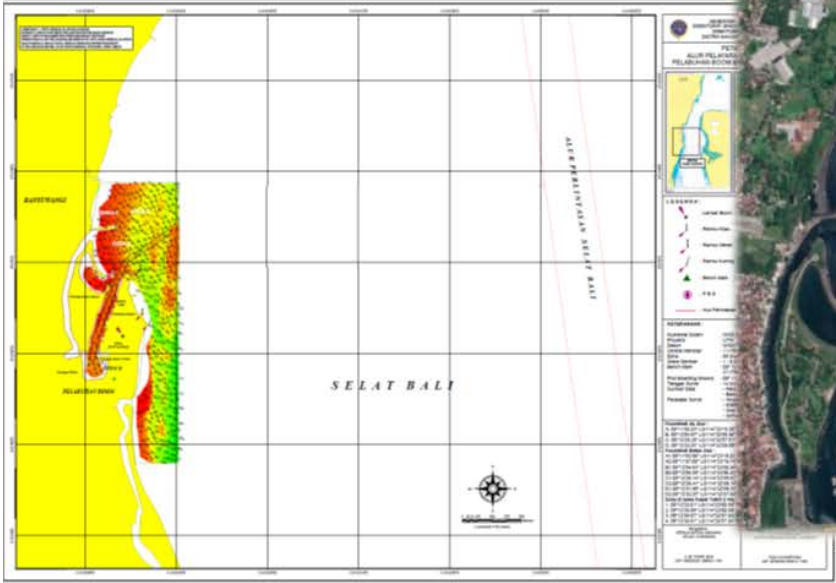
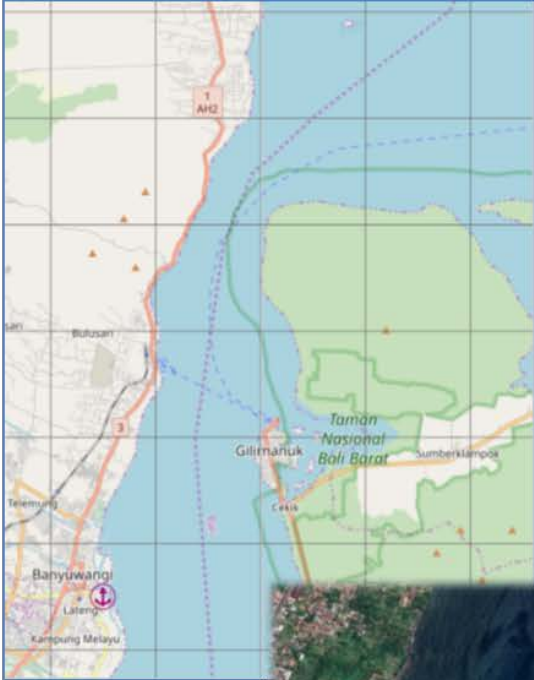
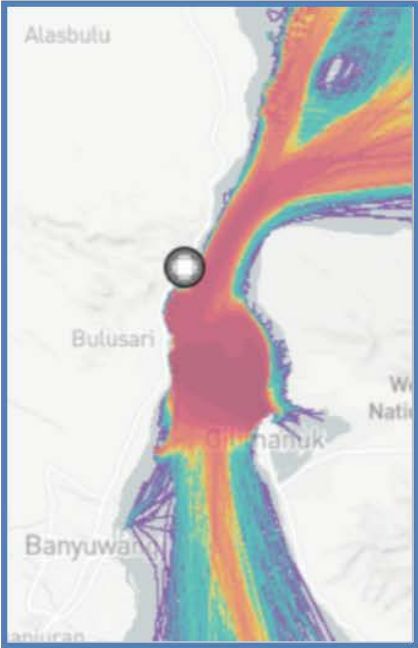
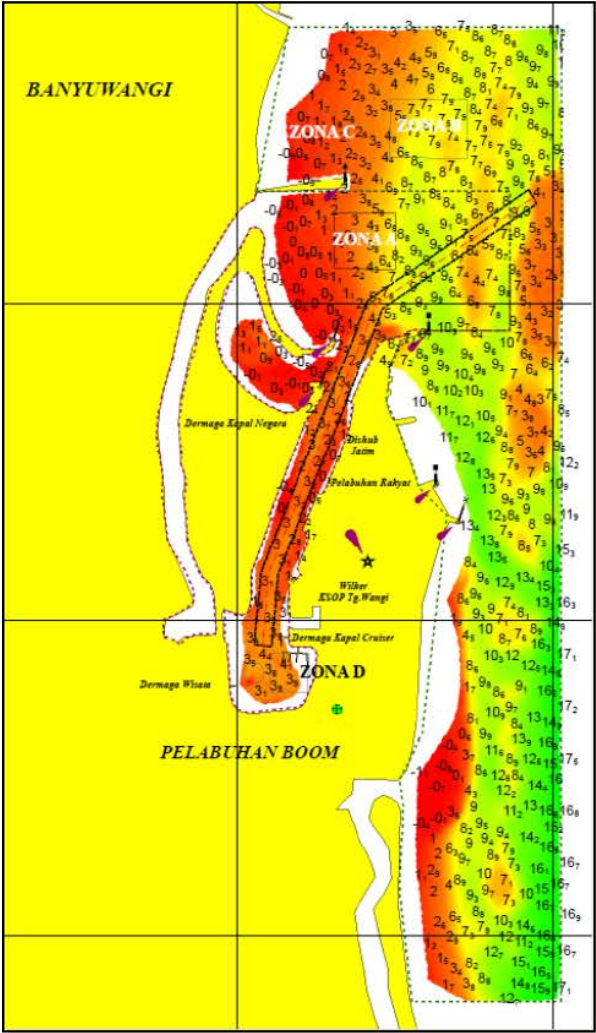
### ***Existing Traffic Rout***

- 1 Pelabuhan Boom
- 2 Pelabuhan Kalbut
- 3 Pelabuhan Taddan
- 4 Pelabuhan Tanjung Pakis



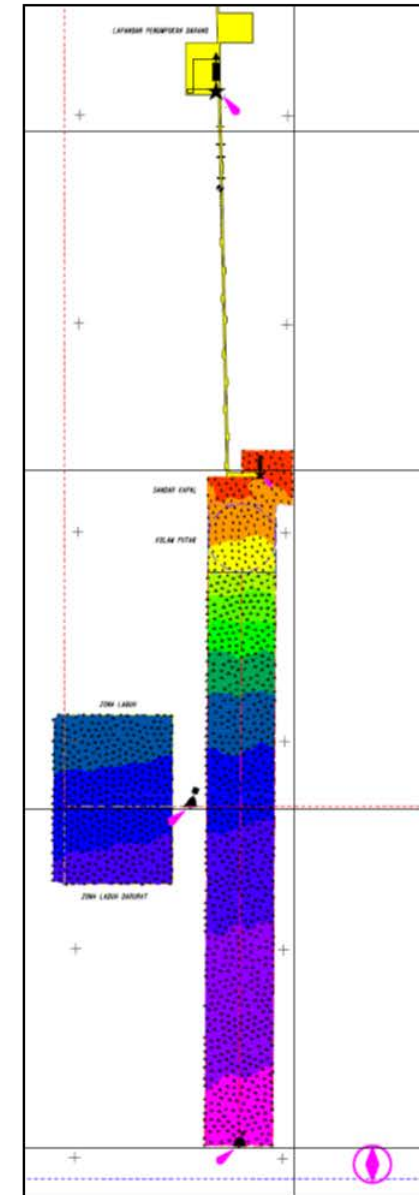
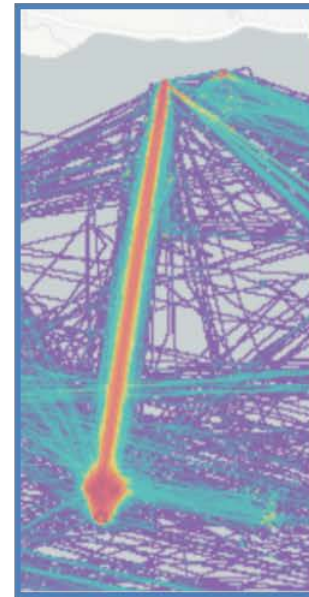
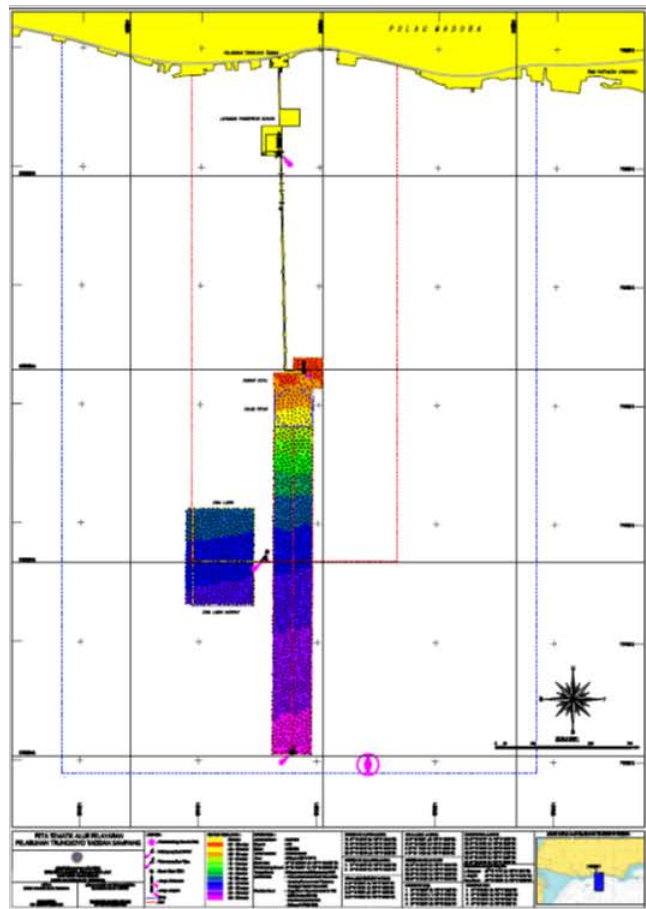


# 1 Pelabuhan Boom



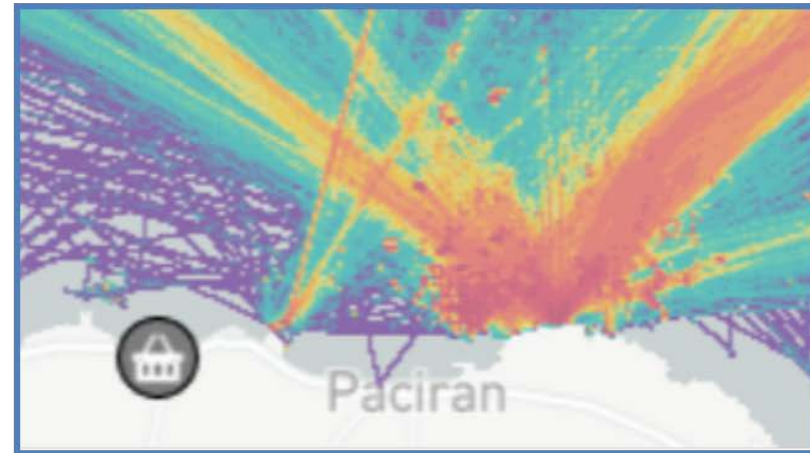
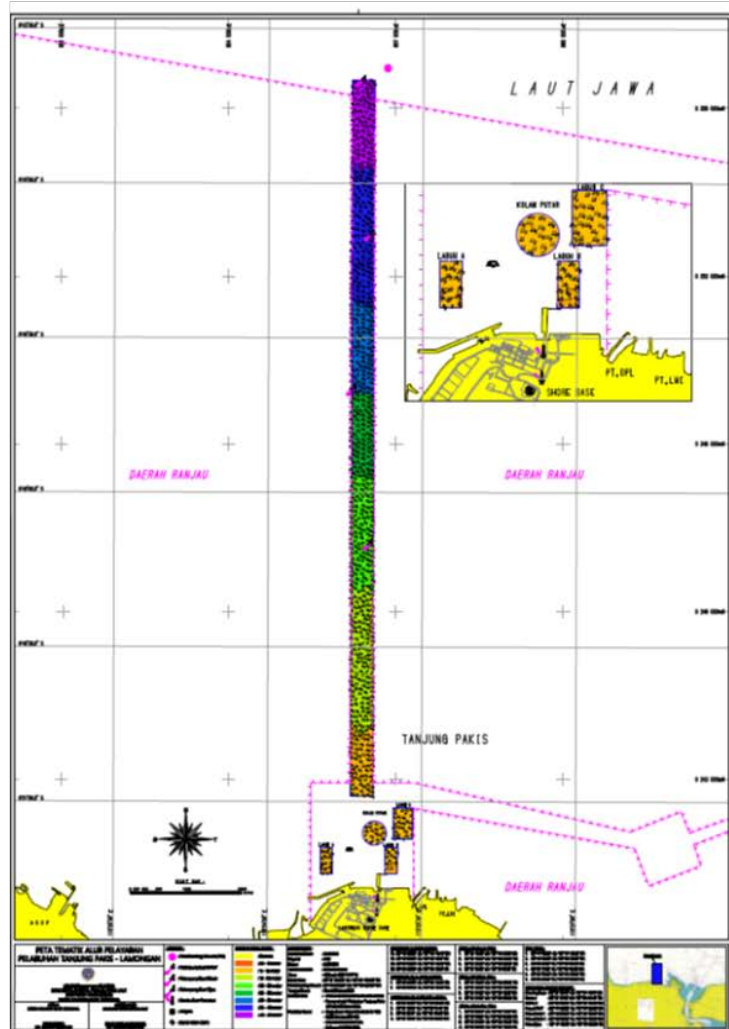


### 3 Pelabuhan Taddan





## 4 Pelabuhan Tanjung Pakis







## 1-A Summary Table for Planned AtoN

### 13 DISNAV Benoai

No	Area	Planned AtoN					Reference (Purpose)
		No	Name	Location		Type	
				Latitude	Longitude		
1	Selat Alas	1	Rambu suar Bahaya terpencil	08° 27' 58.85" S	116° 42' 17.62" E	Lighted Beacon	Medium Range
		7	Rambu Suar Pulau Pasir	08°26' 54.40" S	116°45' 06.44" E	"	"
2	Carik	8	Rambu Suar Pelabuhan Carik	08°13' 22.45" S	116°25' 34.72" E	"	"
3	Pelabuhan Labuhan Lombok	2	Rambu suar Hijau Labuahan lombok	08°28' 51.43" S	116°40' 18.70" E	"	Short Range
		3	Rambu Suar Percabangan Warna Merah Hijau Merah	08°29' 28.92" S	116°40' 21.92" E	"	
		4	Rambu suar Merah Labuahan lombok	08°29' 13.70" S	116°40' 01.50" E	"	
		5	Rambu suar Hijau Labuahan lombok	08°29' 29.92" S	116°39' 57.69" E	"	
		6	Rambu suar Merah Labuahan lombok	08°29' 35.43" S	116°40' 05.15" E	"	
4	Pelabuhan Lembar	9	Rambu Suar Ujung Karang Lembar	08°44' 47.59" S	116°03' 32.90" E	"	Medium Range

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
5	Pelabuhan Sampalan	10	Rambu suar. Pelabuhan Sampalan	08°40' 20.50" S	115°33' 27.00" E	Lighted Beacon	Medium Range
		11	Rambu Suar Hijau Pelabuhan Sampalan	08°40' 20.30" S	115°33' 28.20" E	"	"
		12	Rambu Suar Merah Pelabuhan Sampalan	08°40' 18.66" S	115°33' 27.88" E	"	"
6	Pelabuhan Sanur	13	Rambu Suar Pelabuhan Pantai Matahari Terbit Sanur	08°40' 11.82" S	115°15' 39.69" E	"	"
		14	Rambu suar hijau Pelabuhan Pantai Matahari Terbit Sanur	08°40' 00.42" S	115°15' 41.98" E	"	"
		15	Rambu suar Merah Pelabuhan Pantai Matahari Terbit Sanur	08°39' 56.61" S	115°15' 46.36" E	"	"

## 1-B Outline Map of Planned AtoN

### 13 Benoa

#### Planned AtoN

1 Rambu suar Bahaya terpencil (*L.B*)

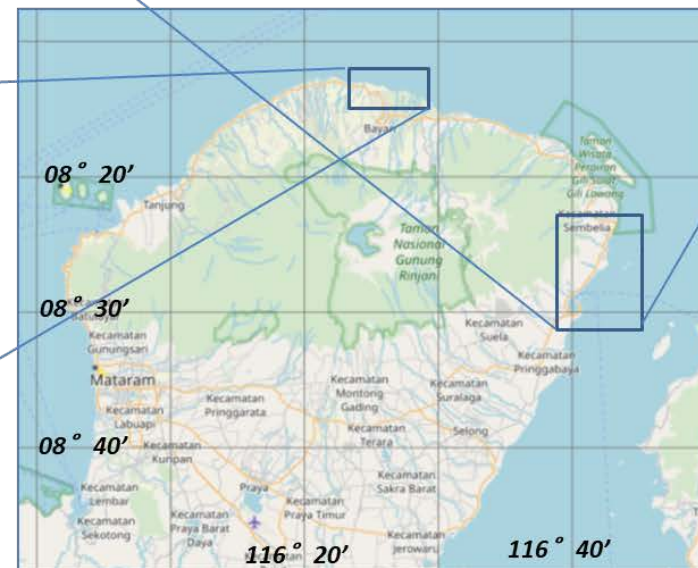
7 Rambu Suar Pulau Pasir (*L.B*)

1 (  $08^{\circ} 27' 58.85'' S$   $116^{\circ} 42' 17.62'' E$  )

7 (  $08^{\circ} 26' 54.40'' S$   $116^{\circ} 45' 06.44'' E$  )

8 Rambu Suar Pelabuhan Carik (*L.B*)

8 (  $08^{\circ} 13' 22.45'' S$   $116^{\circ} 25' 34.72'' E$  )





13 Bena  
Planned AtoN

- 2 Rambu suar Hijau Labuhan lombok (L.B)
- 3 Rambu Suar Percabangan Warna Merah Hijau Merah (L.B)
- 4 Rambu suar Merah Labuhan lombok (L.B)
- 5 Rambu suar Hijau Labuhan lombok (L.B)
- 6 Rambu suar Merah Labuhan lombok (L.B)

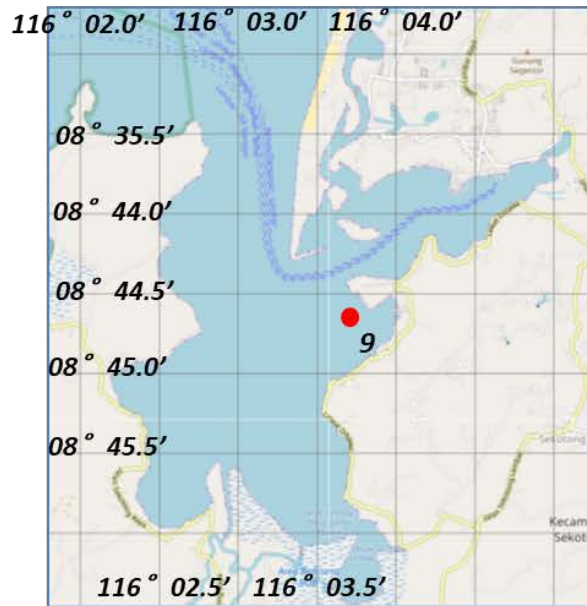
2	( 08 ° 28' 51.43" S 116 ° 40' 18.70" E )
3	( 08 ° 29' 28.92" S 116 ° 40' 21.92" E )
4	( 08 ° 29' 13.70" S 116 ° 40' 01.50" E )
5	( 08 ° 29' 29.92" S 116 ° 39' 57.69" E )
6	( 08 ° 29' 35.43" S 116 ° 40' 05.15" E )



13 Benoa  
Planned AtoN

9 Rambu Suar Ujung Karang Lembar (L.B)

9 ( 08 ° 44' 47.59" S 116 ° 03' 32.90" E )



10 Rambu suar. Pelabuhan Sampalan (L.B)

11 Rambu Suar Hijau Pelabuhan Sampalan (L.B)

12 Rambu Suar Merah Pelabuhan Sampalan (L.B)

10 ( 08 ° 40' 20.50" S 115 ° 33' 27.00" E )

11 ( 08 ° 40' 20.30" S 115 ° 33' 28.20" E )

12 ( 08 ° 40' 18.66" S 115 ° 33' 27.88" E )



## 13 Benoa

### Planned AtoN

13 Rambu Suar Pelabuhan Pantai Matahari Terbit Sanur (*L.B*)

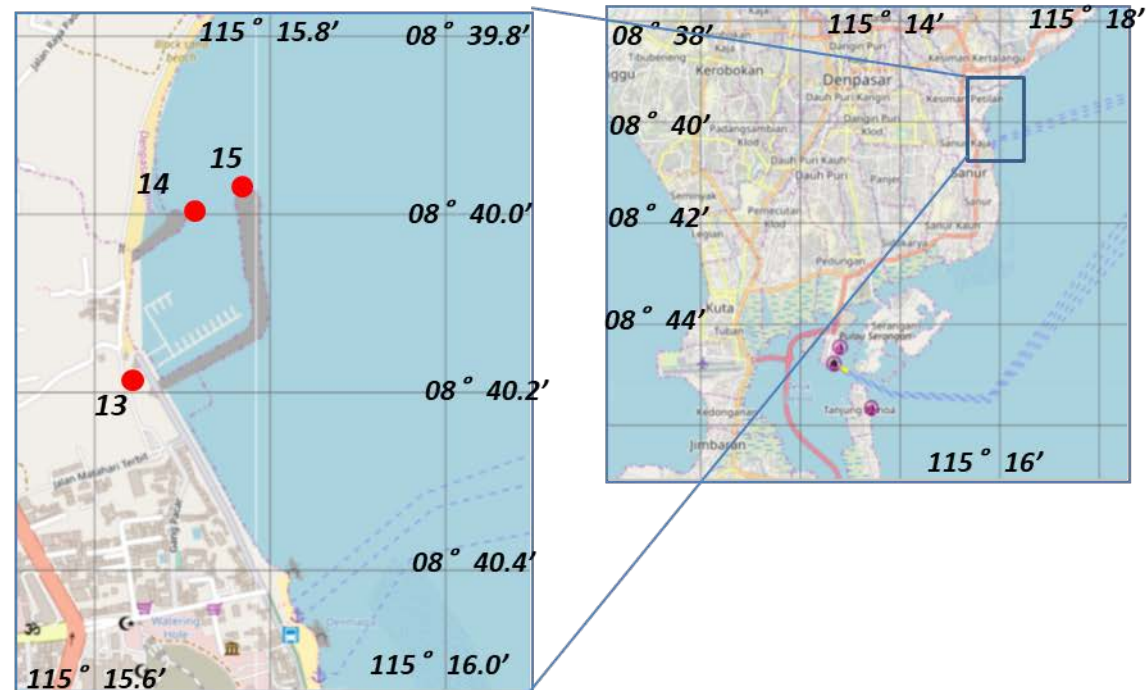
14 Rambu suar hijau Pelabuhan Pantai Matahari Terbit Sanur (*L.B*)

15 Rambu suar Merah Pelabuhan Pantai Matahari Terbit Sanur (*L.B*)

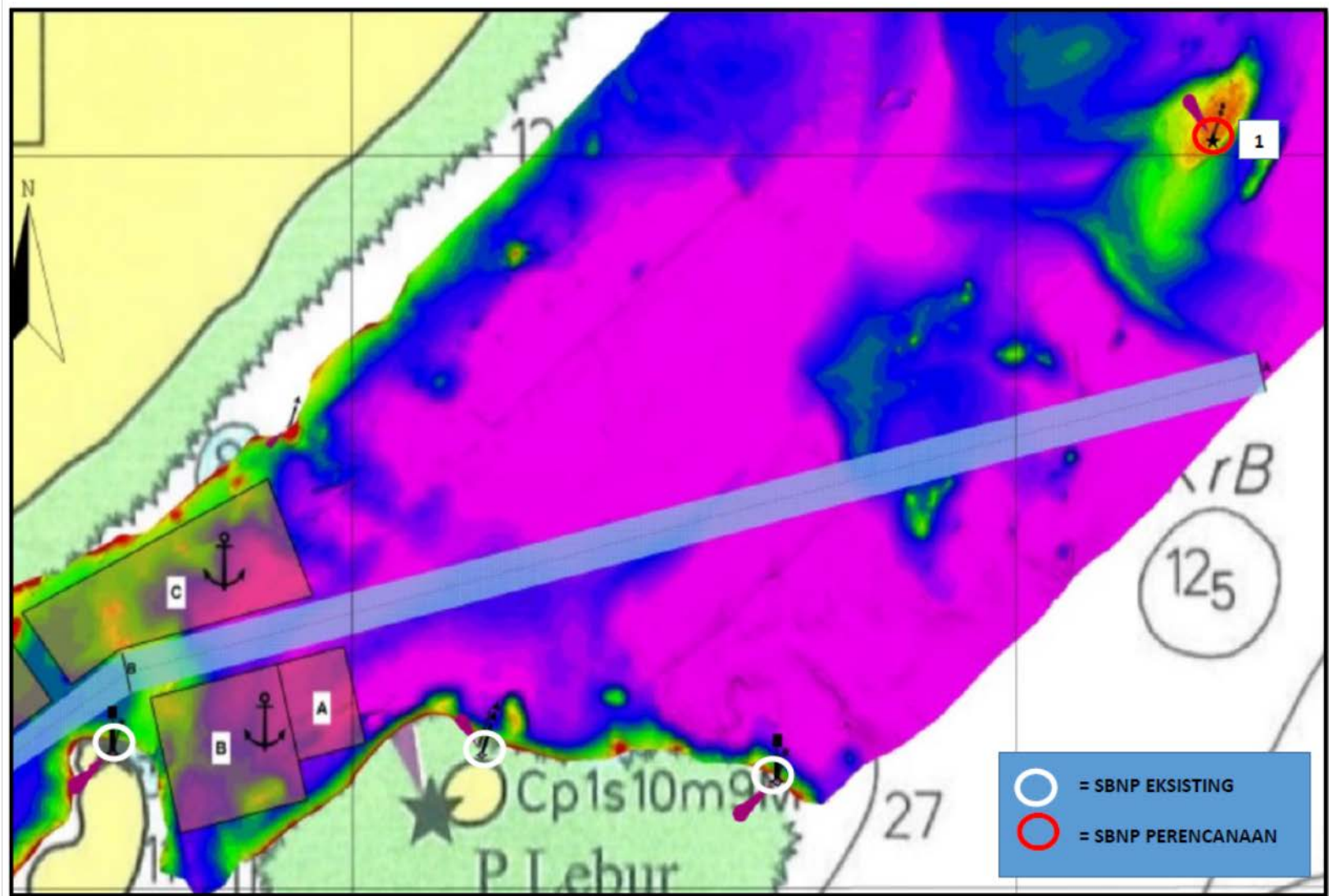
**13 ( 08 ° 40' 11.82" S 115 ° 15' 39.69" E )**

**14 ( 08 ° 40' 00.42" S 115 ° 15' 41.98" E )**

**15 ( 08 ° 39' 56.61" S 115 ° 15' 46.36" E )**

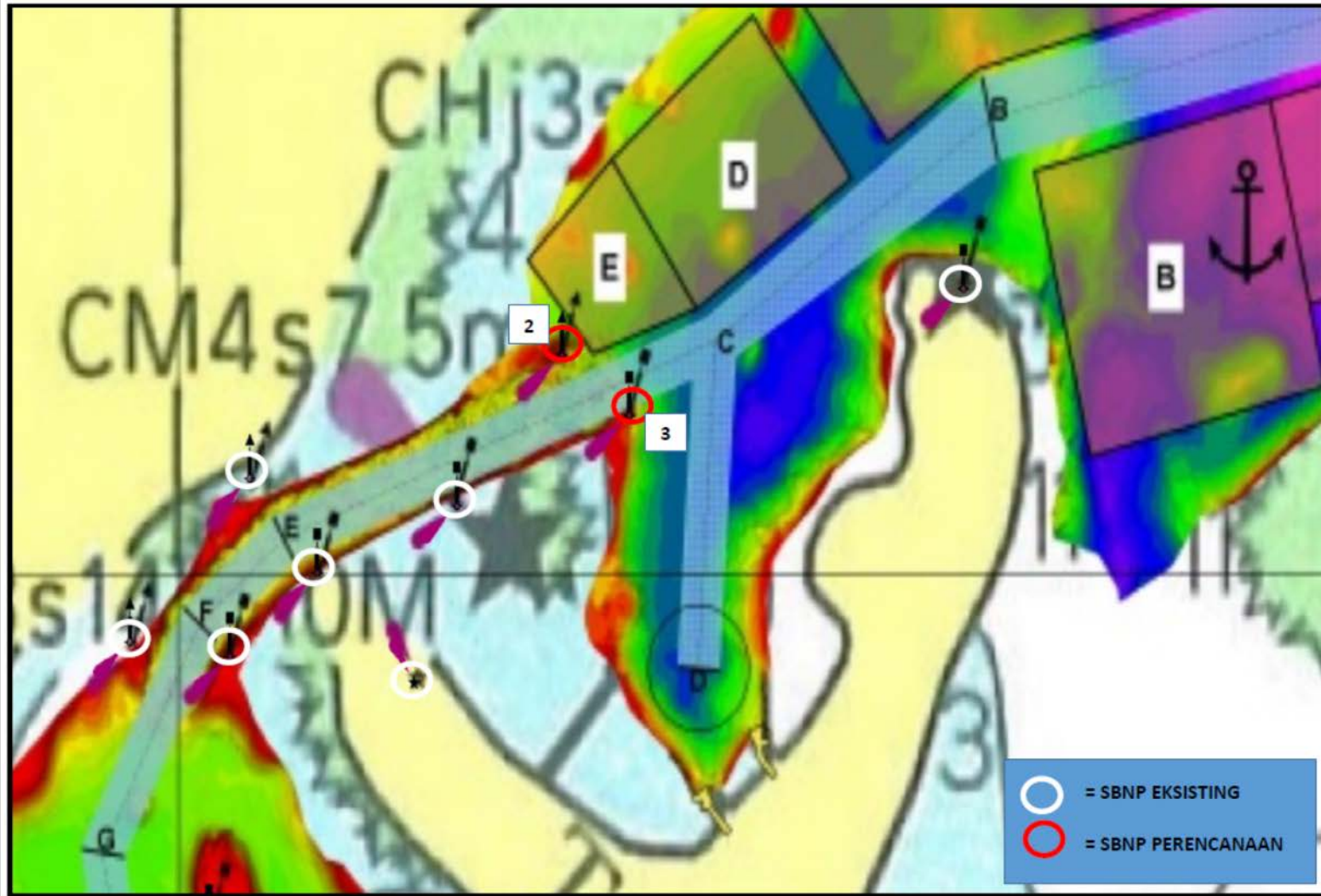




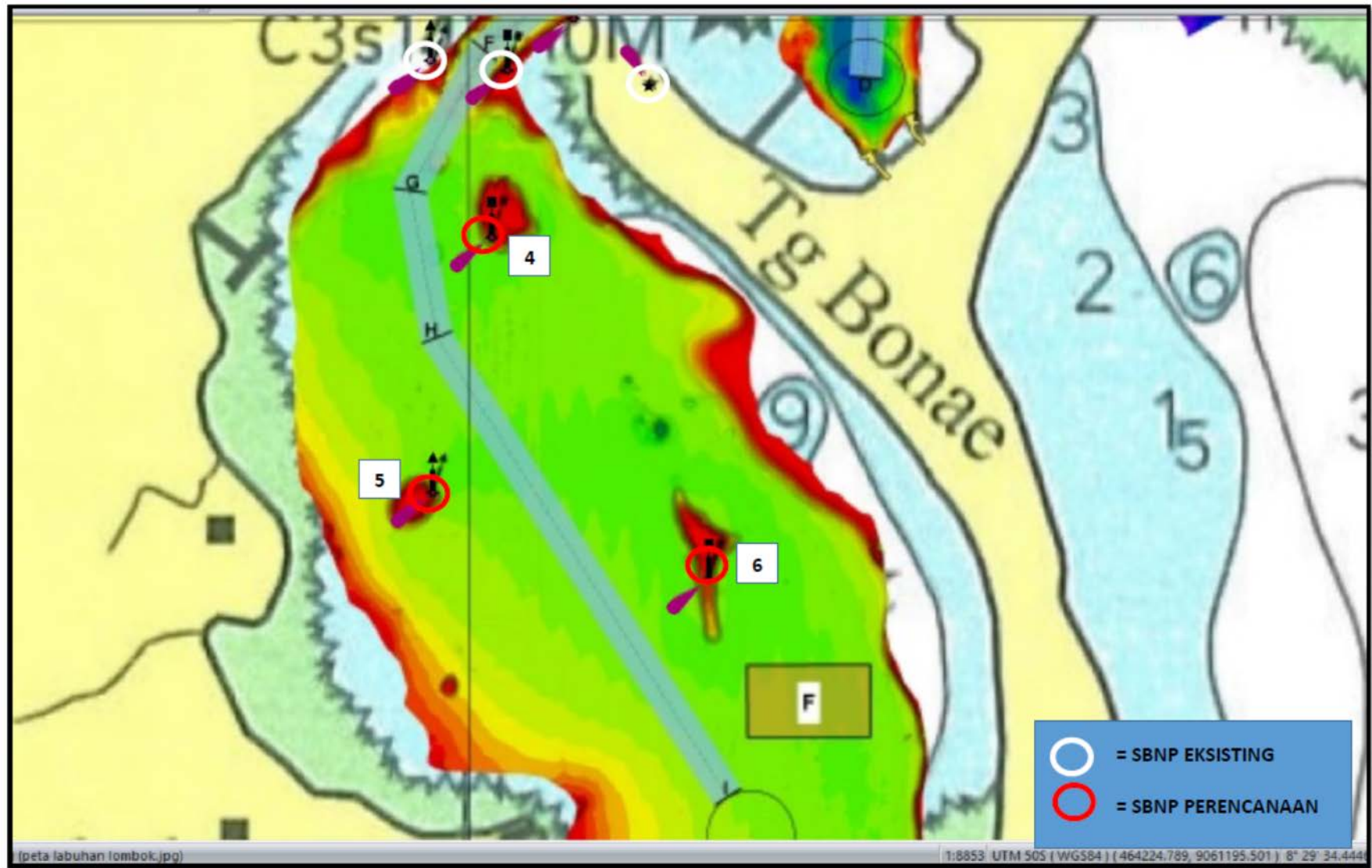


1 Rambu Suar Bahaya Terpencil :  $116^{\circ} 42' 17.6166''$  BT/  $08^{\circ} 27' 58.8449''$  LS di laut pada kedalaman -4 mLws tinggi 10 meter



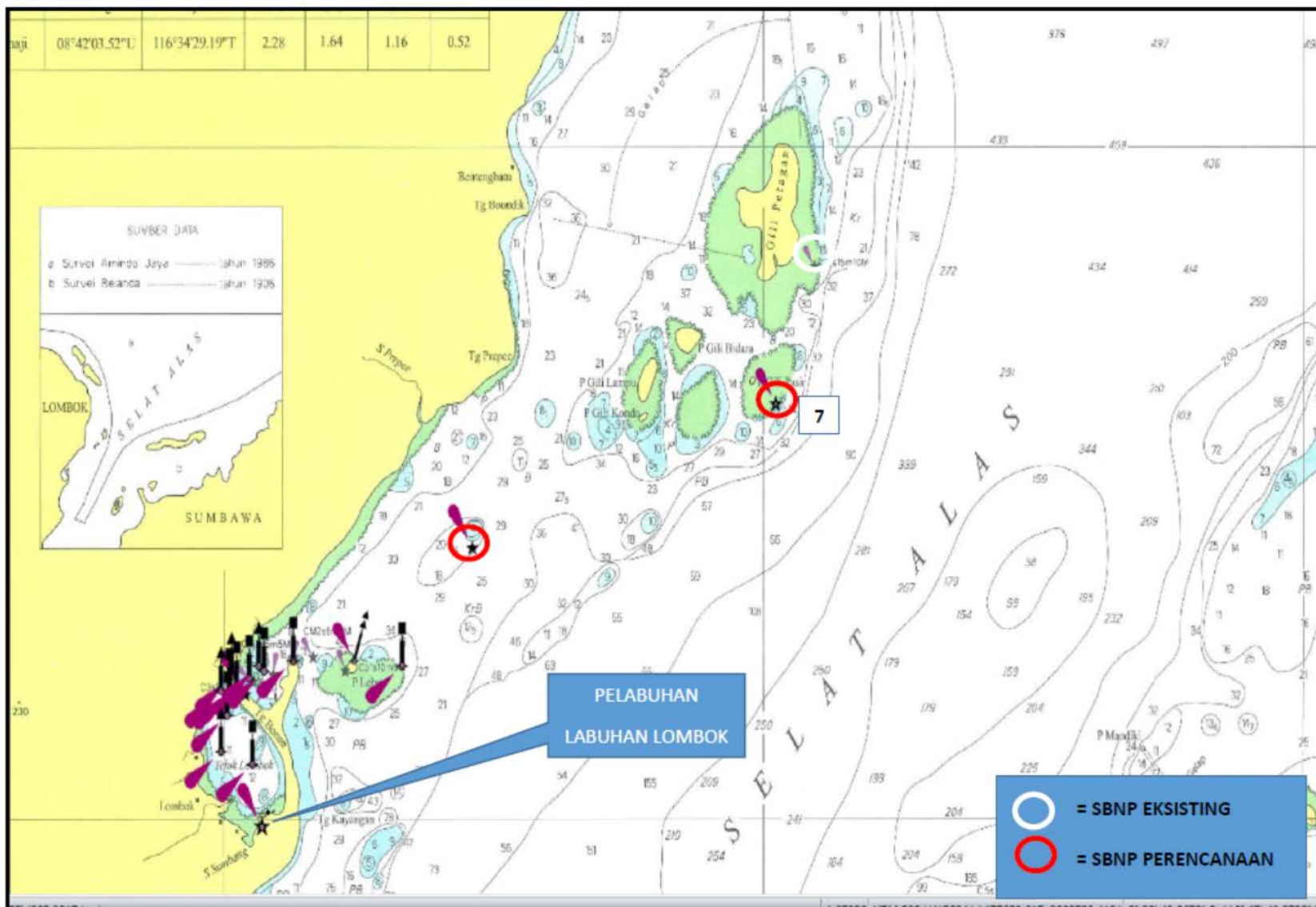


- 2 Rambu Suar Hijau :  $116^{\circ} 40' 18.6903''$  BT/  $08^{\circ} 28' 51.4333''$  LS di laut pada kedalaman -3.5 mLws tinggi 10 meter;
- 3 Rambu Suar Percabangan Warna Merah Hijau Merah :  $116^{\circ} 40' 21.9169''$  BT/  $08^{\circ} 29' 29.9157''$  LS di laut pada kedalaman -3.5 mLws tinggi 10 meter;

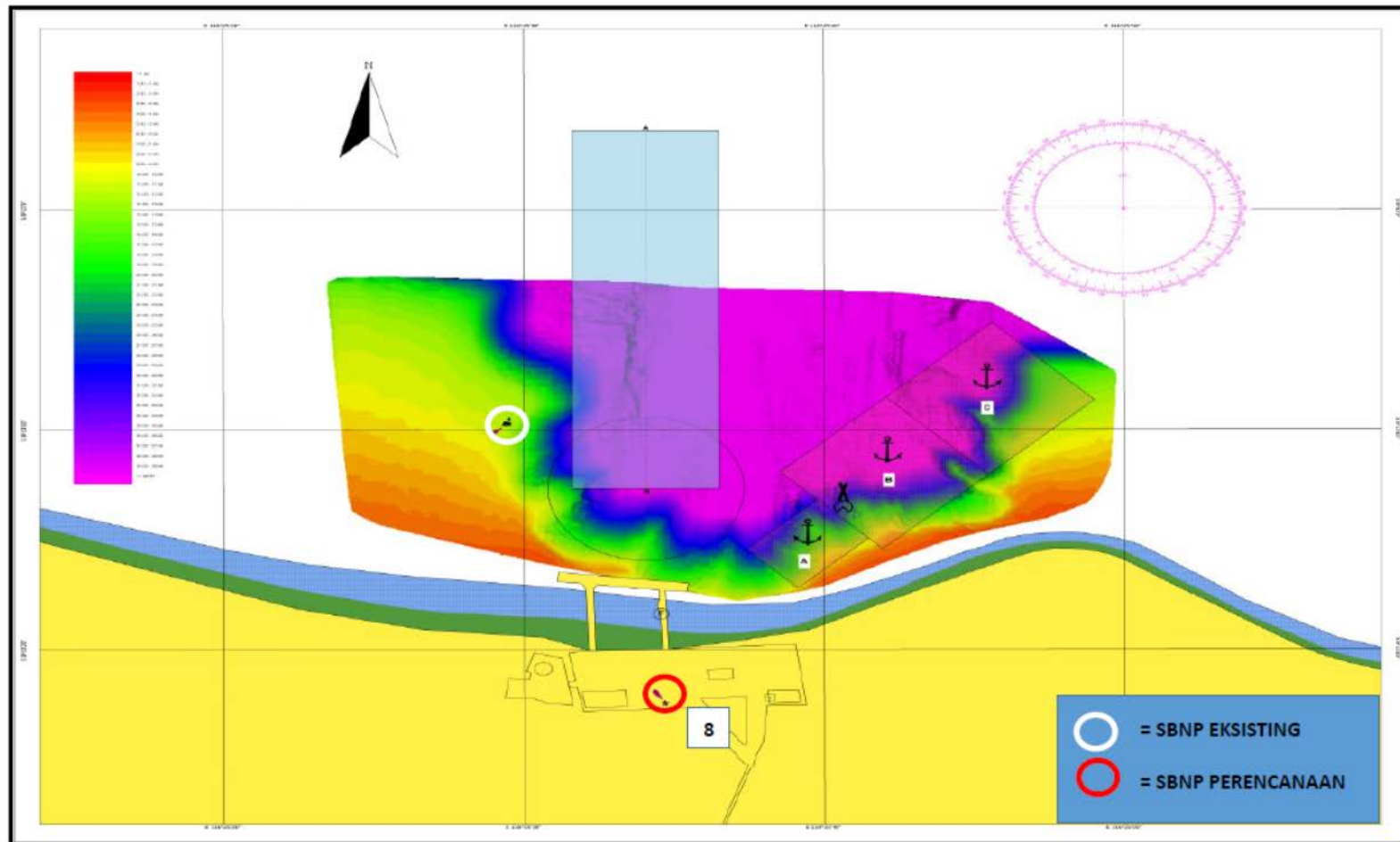


- |                    |                                             |                                                   |
|--------------------|---------------------------------------------|---------------------------------------------------|
| 4 Rambu Suar Merah | : 116° 40' 01.4960" BT/ 08° 29' 13.7011" LS | di laut pada kedalaman -3.5 mLws tinggi 10 meter; |
| 5 Rambu Suar Hijau | : 116° 39' 57.6872" BT/ 08° 29' 29.9157" LS | di laut pada kedalaman -3.5 mLws tinggi 10 meter; |
| 6 Rambu Suar Merah | : 116° 40' 15.1480" BT/ 08° 29' 35.4287" LS | di laut pada kedalaman -3.5 mLws tinggi 10 meter; |



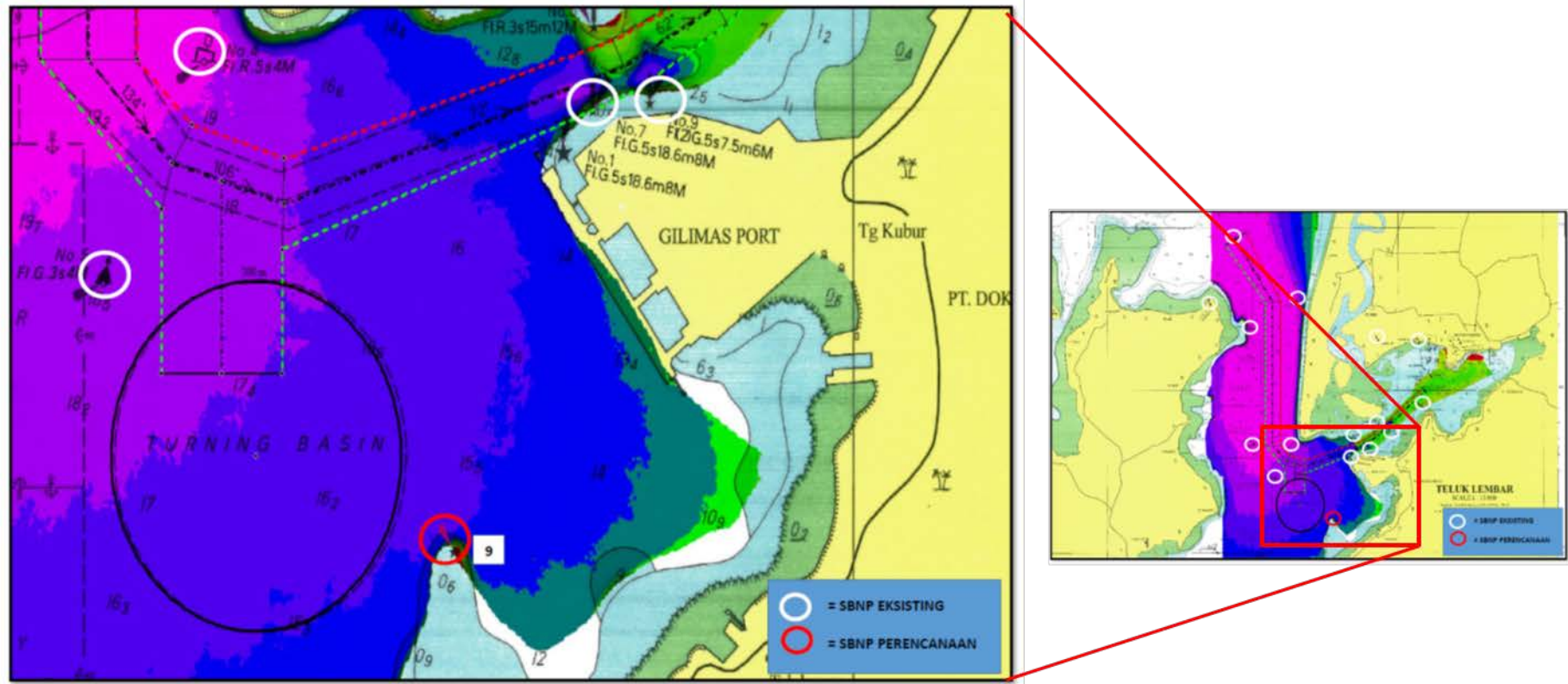


7 Rambu Suar Pulau Pasir : 116° 45' 06.4407" BT / 08° 26' 54.3896" LS di laut pada kedalaman -3 mLws tinggi 10 meter;

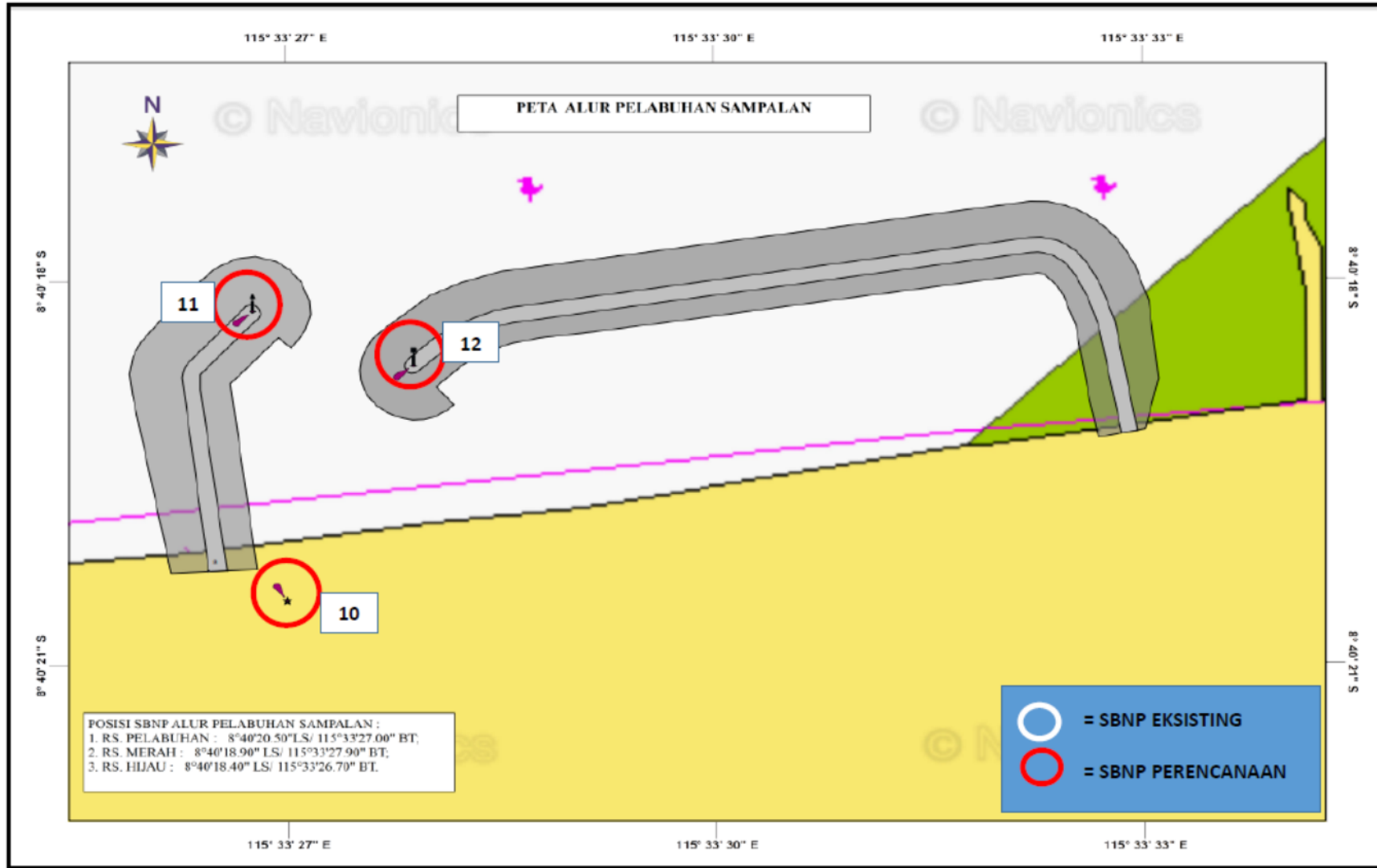


8. Rambu Suar Pelabuhan Carik :  $116^{\circ} 25' 34,72''$  BT/  $08^{\circ} 13' 22,45''$  LS di Darat tinggi 20 meter;

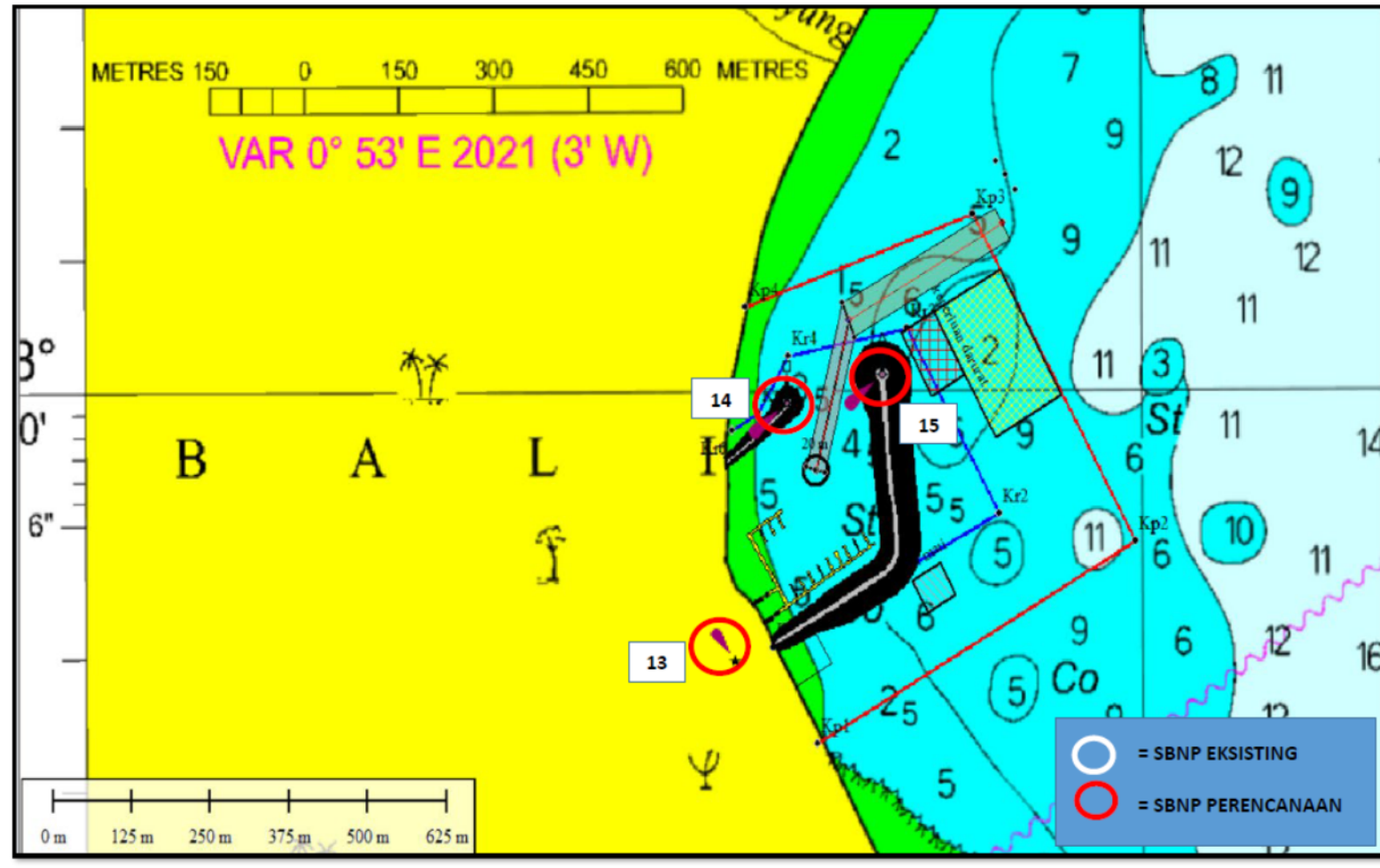




9 Rambu Suar Ujung Karang :  $116^{\circ} 03' 32.9022''$  BT/  $08^{\circ} 44' 47.5764''$  LS di laut kedalaman -3 mLws tinggi 10 meter;



10	Rambu Suar Pelabuhan	: 115° 33'27.0"BT/08° 40'20.5"LS di darat tinggi 15meter;
11	Rambu Suar Hijau	: 115° 33'28.20"BT/08° 40'20.30"LS di ujung breakwater tinggi 7.5 meter;
12	Rambu Suar Merah	: 115° 33'27.88"BT/08° 40'18.66"LS di ujung breakwater tinggi 7.5 meter;



- 13 Rambu Suar Pelabuhan :  $115^{\circ} 15' 39.6926''$  BT /  $8^{\circ} 40' 11.8152''$  LS di darat tinggi 20 meter  
masih tentative dikarenakan di lokasi ada banyak bangunan sehingga kesulitan menentukan terkait estetika bangunan di lokasi;
- 14 Rambu Suar Hijau :  $115^{\circ} 15' 41.9800''$  BT /  $08^{\circ} 40' 00.4200''$  LS di ujung breakwater tinggi 7.5 meter;
- 15 Rambu Suar Merah :  $115^{\circ} 15' 46.3600''$  BT /  $08^{\circ} 39' 56.6100''$  LS di ujung breakwater tinggi 7.5 meter;

**Sheet ③ Reporting Format for List of Planned AtoN**  
**Lembar ③ (Format Pelaporan Daftar AtoN yang direncanakan)**

Name of Sea Area / Port : Fill Out (Diisi)  
 Nama Lokasi / Pelabuhan

District :

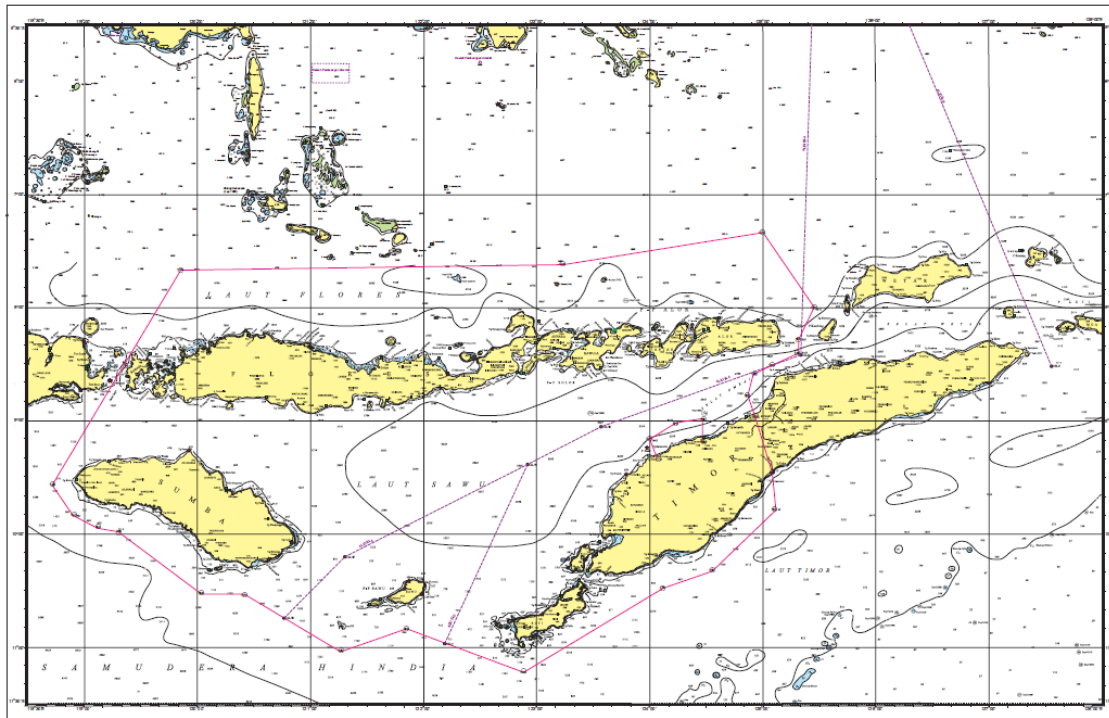
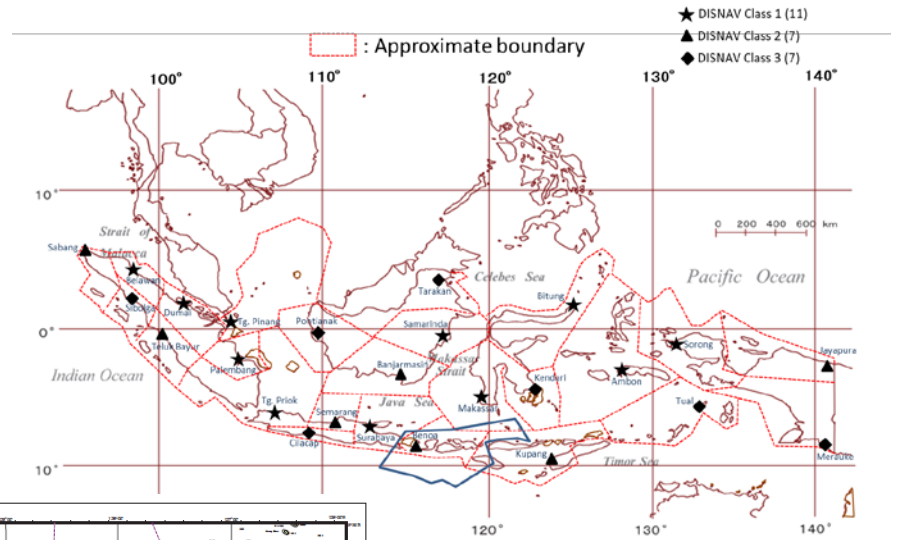
Chart No (Name) : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)					Remarks (Catatan)		
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna Bantu)		Top Mark	
		Longitude Garis Bujur	Latitude Garis Lintang										Category (*9) Kategori	Shape (*10) Bentuk
1	Rambu swar Bahaya terpeci	116° 42' 17.6166" BT	08° 27' 58.8449" LS	Lighted Beacon	Medium-range Light	Offshore waters (Perairan Lepas Pantai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	3-0	2 black spheres, one above the other / 2 bola hitam, satu di atas yang lain	
2	Rambu swar Hijau Labuhan Lombok	116° 40' 18.6900" BT	08° 28' 51.4333" LS	Lighted Beacon	Short-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1-0	Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas	
3	Rambu Swar Percabangan Wama Merah Hijau Merah	116° 40' 21.9169" BT	08° 29' 29.9157" LS	Lighted Beacon	Short-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)				
4	Rambu swar Merah Labuhan Lombok	116° 40' 01.4980" BT	08° 29' 13.7011" LS	Lighted Beacon	Short-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1-0	Single red cylinder (can) / Silinder merah tunggal (kaleng)	
5	Rambu swar Hijau Labuhan Lombok	116° 39' 57.6672" BT	08° 29' 29.9157" LS	Lighted Beacon	Short-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1-0	Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas	
6	Rambu swar Merah Labuhan Lombok	116° 40' 15.1480" BT	08° 29' 35.4287" LS	Lighted Beacon	Short-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1-0	Single red cylinder (can) / Silinder merah tunggal (kaleng)	
7	Rambu Swar Pulau Pasir	116° 45' 08.4407" BT	08° 28' 54.3996" LS	Lighted Beacon	Medium-range Light	Offshore waters (Perairan Lepas Pantai)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)			
8	Rambu Swar Pelabuhan Carik	116° 28' 54.72" BT	08° 18' 22.48" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Port (Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)			
9	Rambu Swar Ujung Karang Lembar	116° 08' 32.9000" BT	08° 44' 47.8764" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)			
10	Rambu swar Pelabuhan Sampalan	115° 33' 27.0" BT	08° 40' 20.8" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Port (Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6	Not Applicable (n/a) / Tidak berlaku	
11	Rambu Swar Hijau Pelabuhan Sampalan	115° 33' 28.20" BT	08° 40' 20.80" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1-0	Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas	
12	Rambu Swar Merah Pelabuhan Sampalan	115° 33' 27.88" BT	08° 40' 18.66" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Preferred Channel of Port (Kanal Pilihan Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1-0	Single red cylinder (can) / Silinder merah tunggal (kaleng)	
13	Rambu Swar Pelabuhan Pantai Melahari Terbit Sanur	115° 15' 39.6926" BT	8° 40' 11.8152" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Port (Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6	Not Applicable (n/a) / Tidak berlaku	
14	Rambu swar hijau Pelabuhan Pantai Melahari Terbit Sanur	115° 15' 41.9800" BT	08° 40' 00.4200" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Port (Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1-0	Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas	
15	Rambu swar Merah Pelabuhan Pantai Melahari Terbit Sanur	115° 15' 46.3600" BT	08° 39' 56.6100" LS	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Der maga/Pelabuhan) (area terbatas)	Category 1 (Vital)	Port (Pelabuhan)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1-0	Single red cylinder (can) / Silinder merah tunggal (kaleng)	



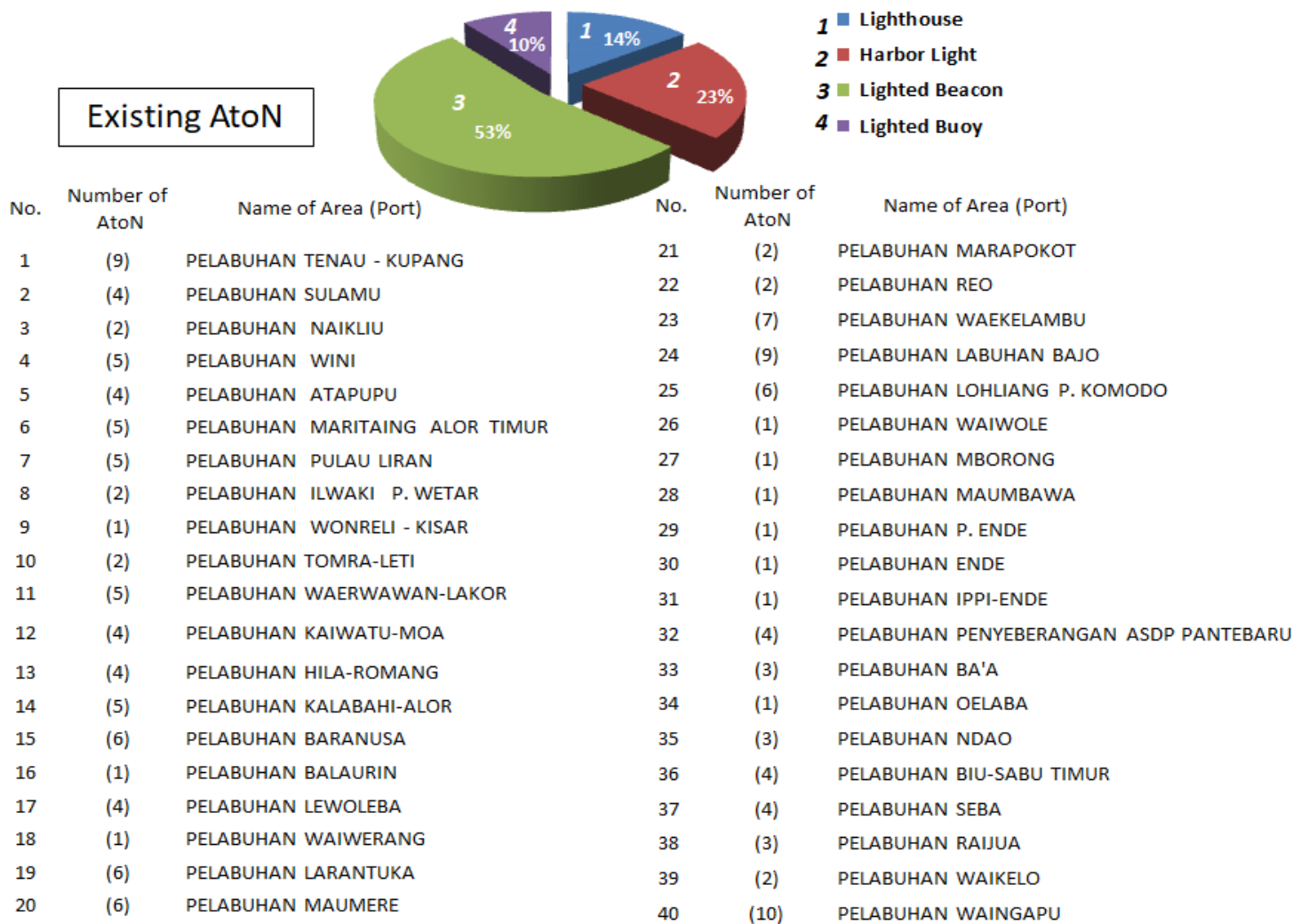
# 14 DISNAV Kupang

## Outline of DISNAV Service Area



## 1-A Summary Table for Existing AtoN

14 DISNAV Kupang



**AtoN Total : 147**    **Lighthouse : 21, Harbor Light : 33, Lighted Beacon : 78, Lighted Buoy : 15**

# 1-B Outline Map of Existing AtoN (Area/Port)

14 Kupang ( II )

1 PELABUHAN TENAU - KUPANG

2 PELABUHAN SULAMU

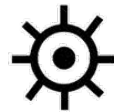
3 PELABUHAN NAIKLIU

4 PELABUHAN WINI

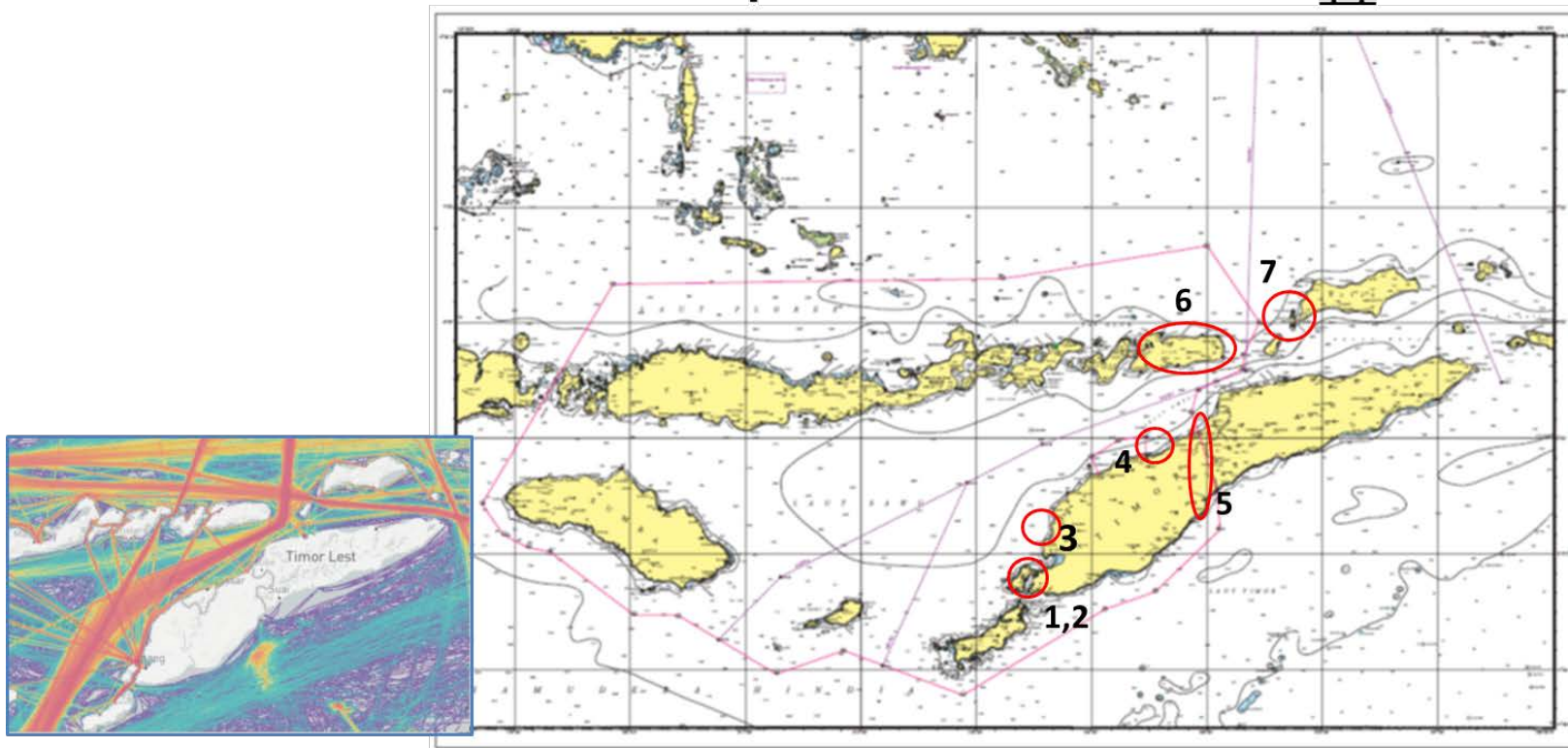
5 PELABUHAN ATAPUPU

6 PELABUHAN MARITAING ALOR TIMUR

7 PELABUHAN PULAU LIRAN



Location Map



14 Kupang ( II )

8 PELABUHAN ILWAKI P. WETAR

9 PELABUHAN WONRELI - KISAR

10 PELABUHAN TOMRA-LETI

11 PELABUHAN WAERWAWAN-LAKOR

12 PELABUHAN KAIWATU-MOA

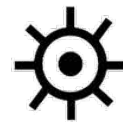
13 PELABUHAN HILA-ROMANG

14 PELABUHAN KALABAHI-ALOR

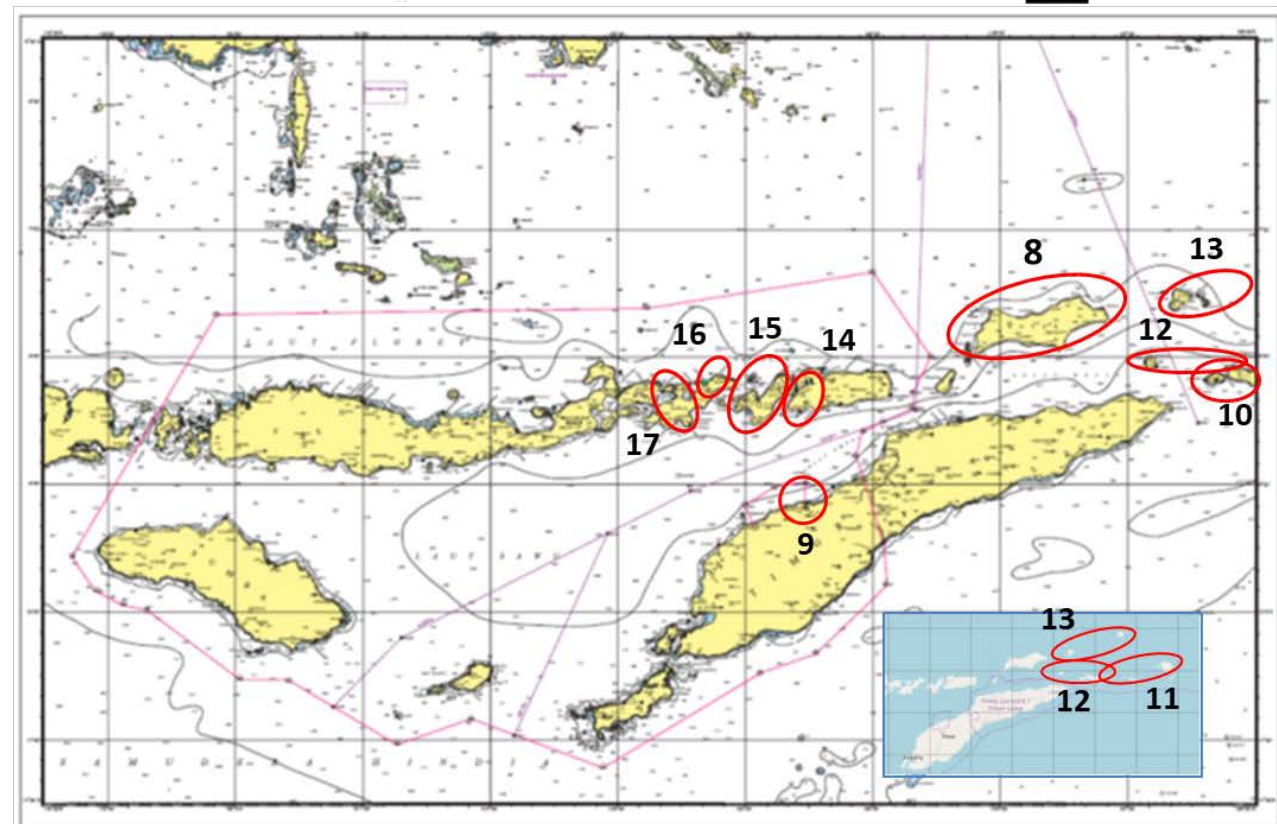
15 PELABUHAN BARANUSA

16 PELABUHAN BALAURIN

17 PELABUHAN LEWOLEBA



Location Map

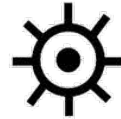




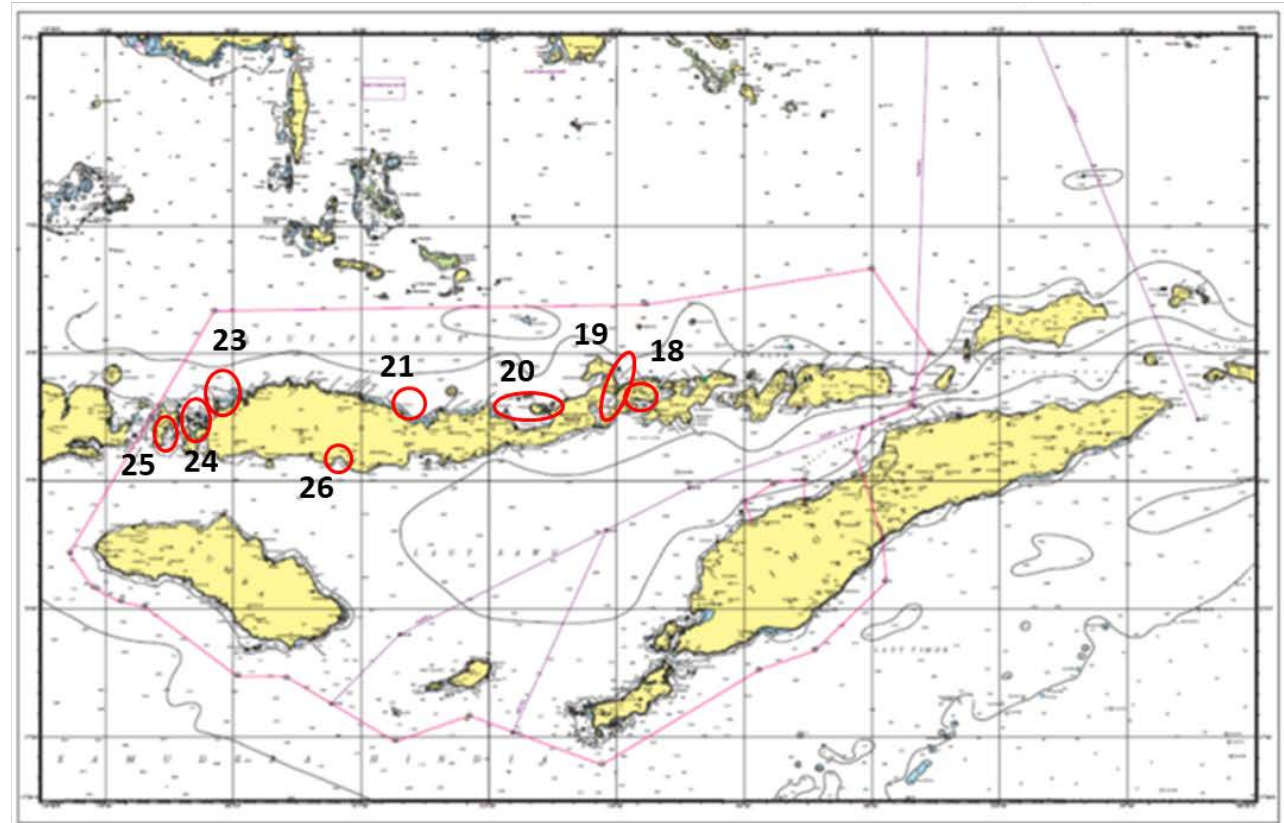
14 Kupang ( II )

- 18 PELABUHAN WAIWERANG
- 19 PELABUHAN LARANTUKA
- 20 PELABUHAN MAUMERE
- 21 PELABUHAN MARAPOKOT
- 22 PELABUHAN REO

- 23 PELABUHAN WAEKELAMBU
- 24 PELABUHAN LABUHAN BAJO
- 25 PELABUHAN LOHLIANG P. KOMODO
- 26 PELABUHAN WAIWOLE



Location Map



14 Kupang ( II )

**27** PELABUHAN MBORONG

**28** PELABUHAN MAUMBAWA

**29** PELABUHAN P. ENDE

**30** PELABUHAN ENDE

**31** PELABUHAN IPPI-ENDE

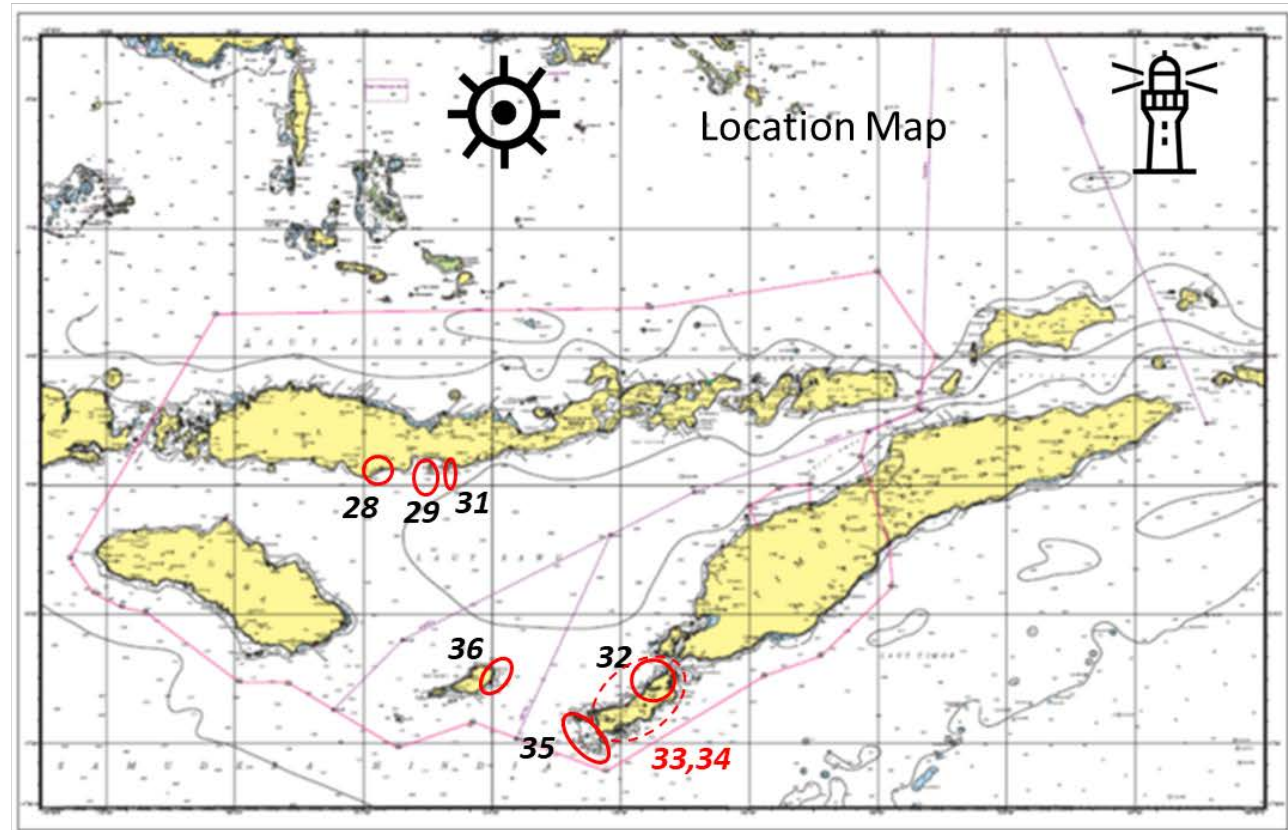
**32** PELABUHAN PENYEBERANGAN ASDP PANTEBARU

**33** PELABUHAN BA'A

**34** PELABUHAN OELABA

**35** PELABUHAN NDAO

**36** PELABUHAN BIU-SABU TIMUR



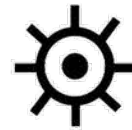
14 Kupang ( II )

**37** PELABUHAN SEBA

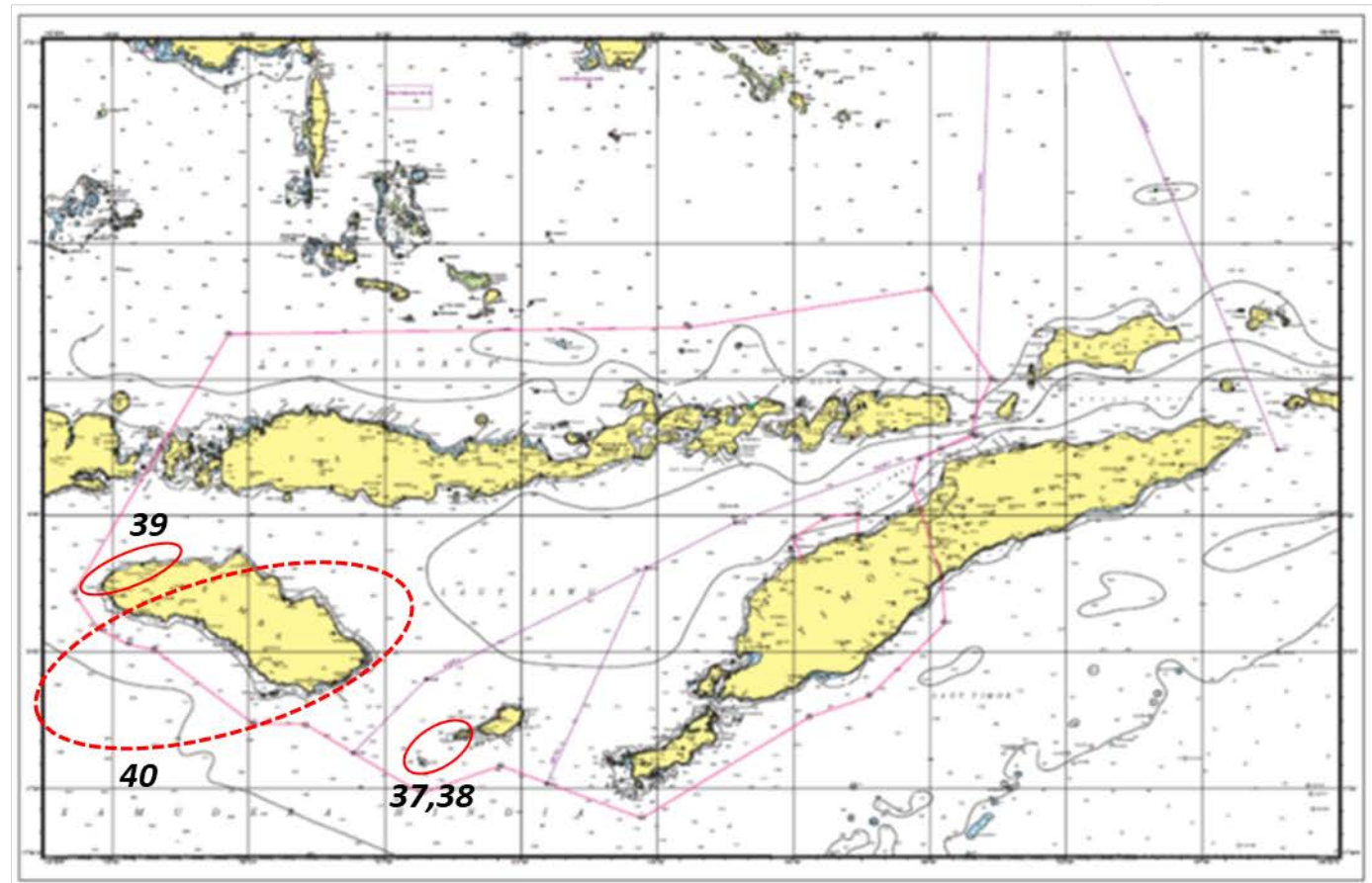
**39** PELABUHAN WAIKELO

**38** PELABUHAN RAIJUA

**40** PELABUHAN WAINGAPU

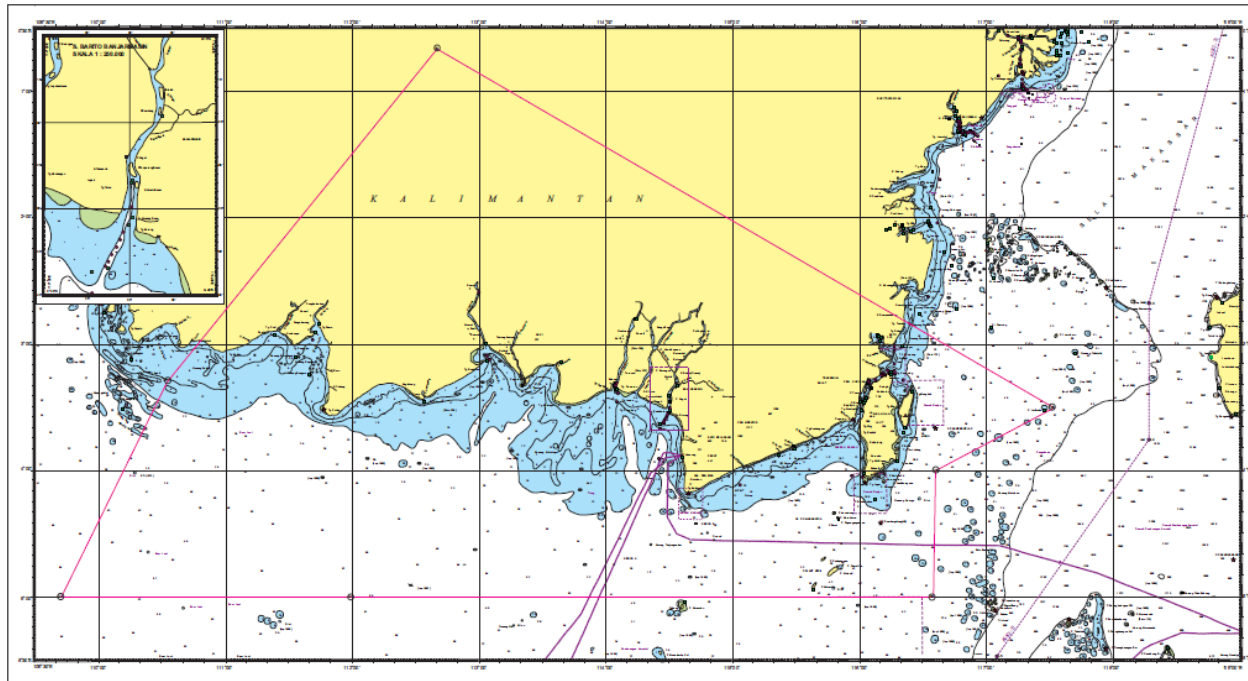
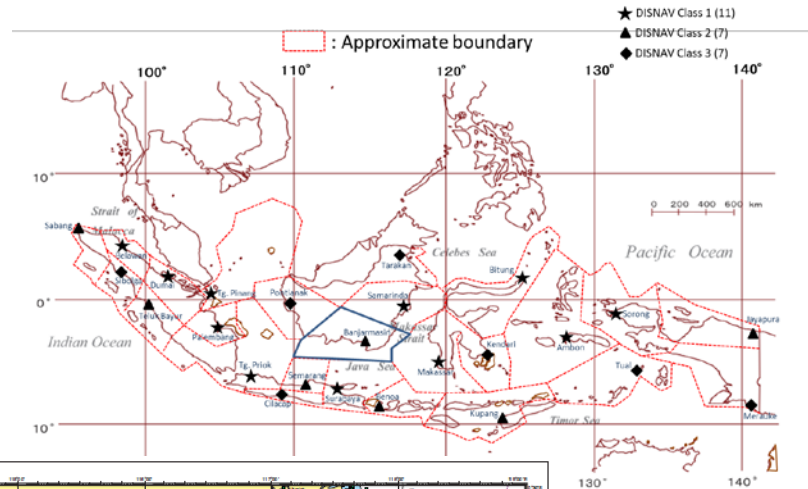


Location Map



# 15 DISNAV Banjarmasin

Outline of DISNAV Service Area





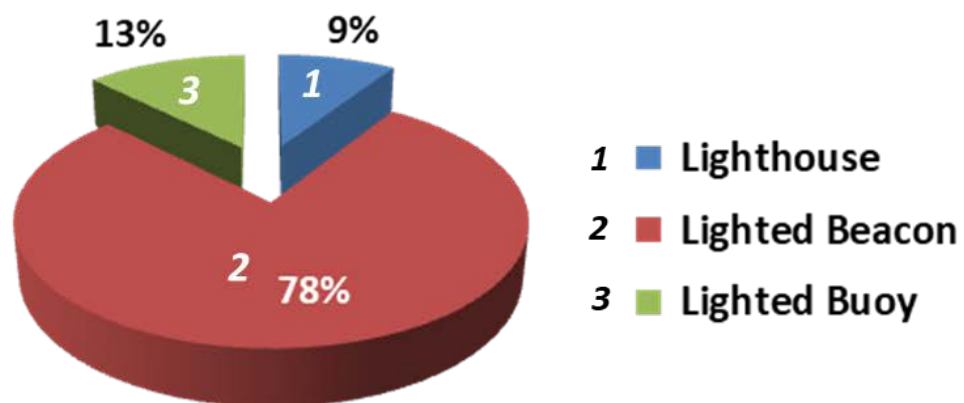
## 1-A Summary Table for Existing AtoN

15 DISNAV Banjarmasin

### Existing AtoN (Lighthouse)

- |                               |                                          |
|-------------------------------|------------------------------------------|
| 1 Mensu Tanjung Matua         | 6 Mensu Tg. Padadatua Ma. S. Barito      |
| 2 Mensu Tg. Puting            | 7 Mensu Samber Galang                    |
| 3 Mensu Tg. Pandan            | 8 Mensu Tg. Kunyit Pulau Laut            |
| 4 Mensu Tg. Pandaran          | 9 Mensu Tg. Petang Selat Laut            |
| 5 Mensu Tg. Selatan Laut Jawa | 10 Mensu Gn. Belingkar Pulau Laut        |
|                               | 11 Mensu Samber Gelap Pulau Samber Gelap |

*AtoN Total : 120 Lighthouse : 11, Lighted Beacon : 94, Lighted Buoy : 15*

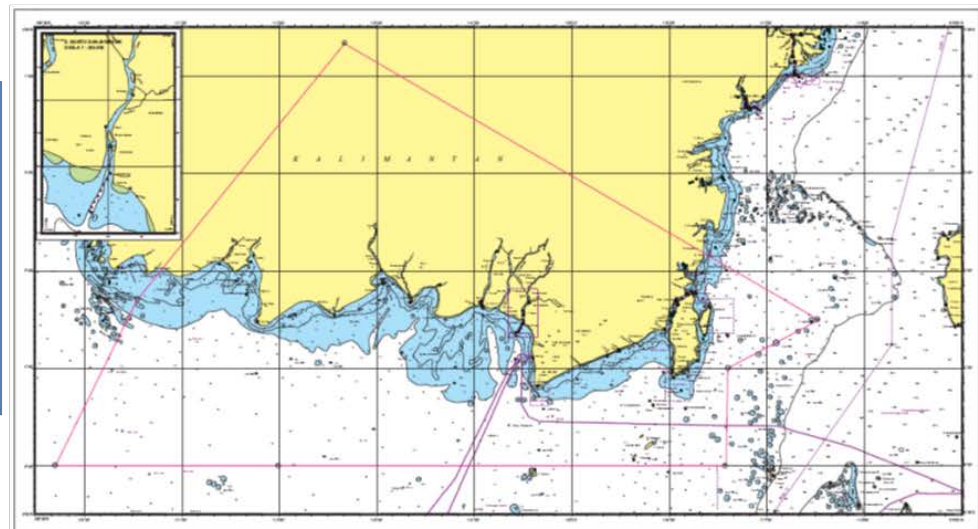
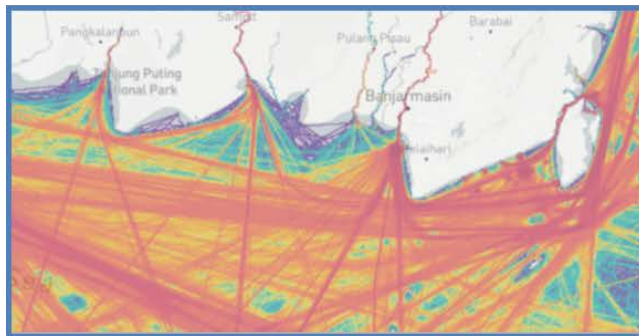
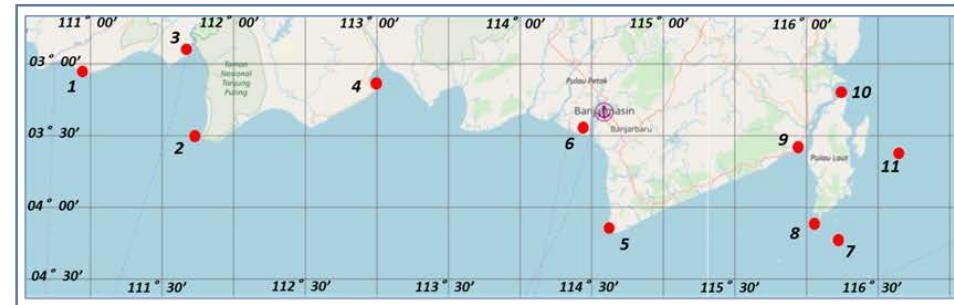


## 1-B Outline Map of Existing AtoN (Lighthouse)

### 15 Banjarmasin ( II )

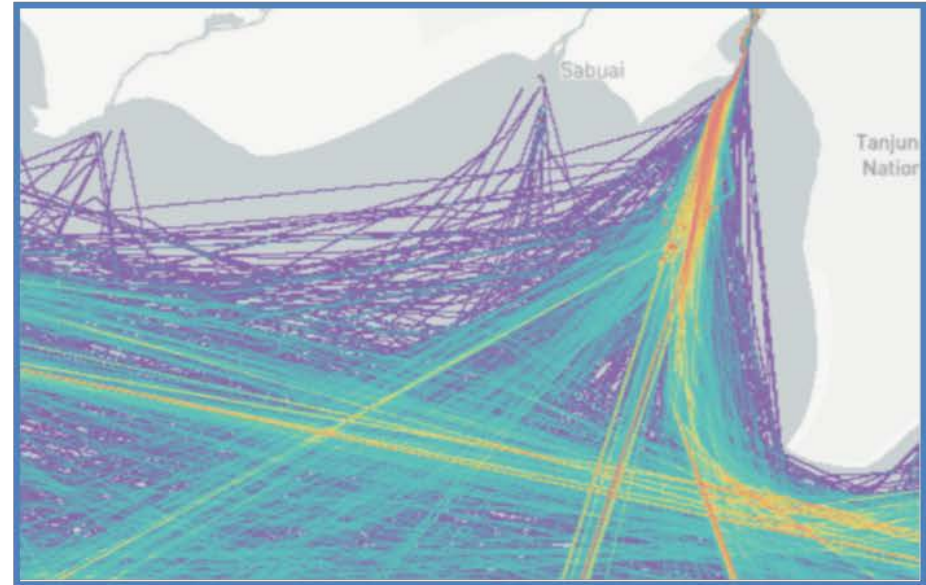
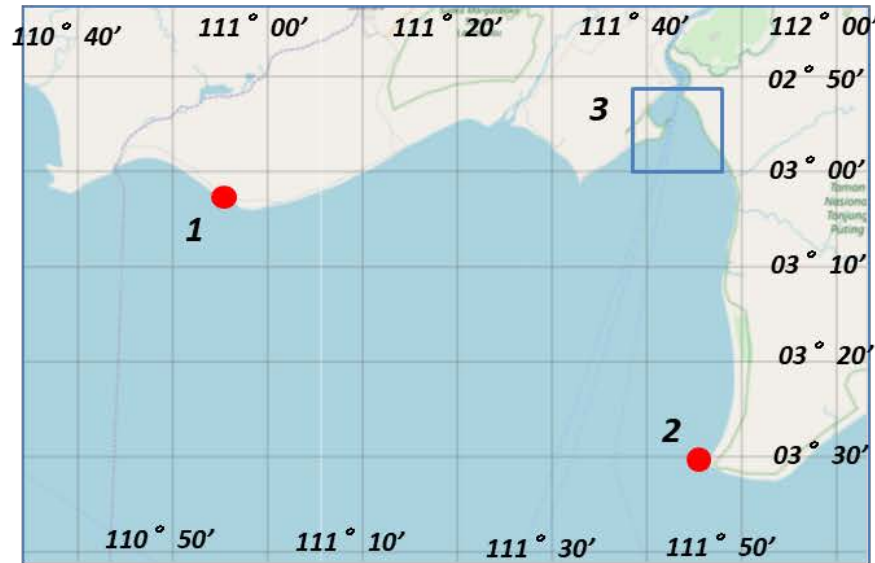
#### Existing AtoN (Lighthouse)

- 1 Mensu Tanjung Matua
- 2 Mensu Tg. Puting
- 3 Mensu Tg. Pandan
- 4 Mensu Tg. Pandaran
- 5 Mensu Tg. Selatan Laut Jawa
- 6 Mensu Tg. Padadatua Ma. S. Barito
- 7 Mensu Samber Galang
- 8 Mensu Tg. Kunyit Pulau Laut
- 9 Mensu Tg. Petang Selat Laut
- 10 Mensu Gn. Belingkar Pulau Laut
- 11 Mensu Samber Gelap Pulau Samber Gelap



## Existing AtoN (Lighthouse)

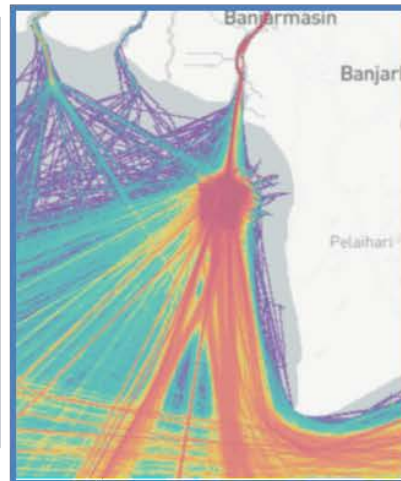
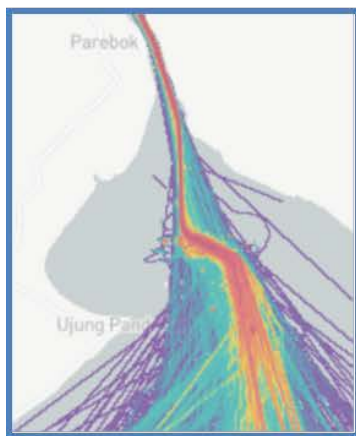
- |                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| 1 Mensu Tanjung Matua | $1 ( 03^{\circ} 02' 54.40'' S \quad 110^{\circ} 56' 02.80'' E )$ |
| 2 Mensu Tg. Puting    | $2 ( 03^{\circ} 30' 30.31'' S \quad 111^{\circ} 46' 24.60'' E )$ |
| 3 Mensu Tg. Pandan    | $3 ( 02^{\circ} 56' 34.93'' S \quad 111^{\circ} 40' 47.34'' E )$ |



Existing AtoN (Lighthouse)

4 Mensu Tg. Pandaran

4 (  $03^{\circ} 09' 38.80'' S$   $113^{\circ} 00' 22.25'' E$  )

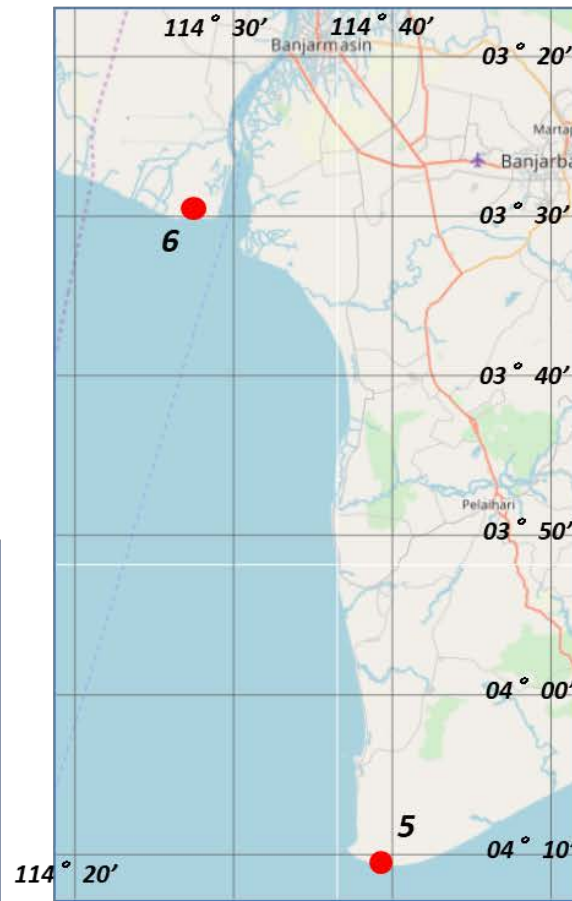


5 Mensu Tg. Selatan Laut Jawa

6 Mensu Tg. Padadatua Ma. S. Barito

5 (  $04^{\circ} 10' 32.10'' S$   $114^{\circ} 39' 08.52'' E$  )

6 (  $03^{\circ} 29' 57.80'' S$   $114^{\circ} 27' 57.90'' E$  )



6 Tg. Padadatua



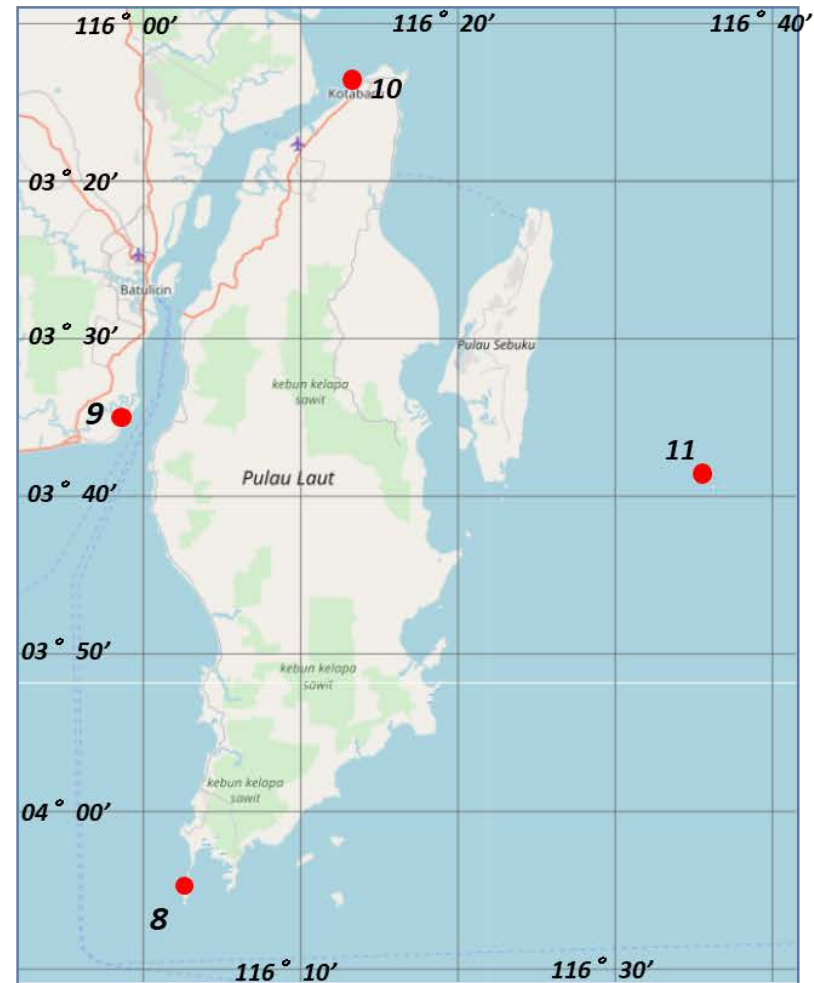
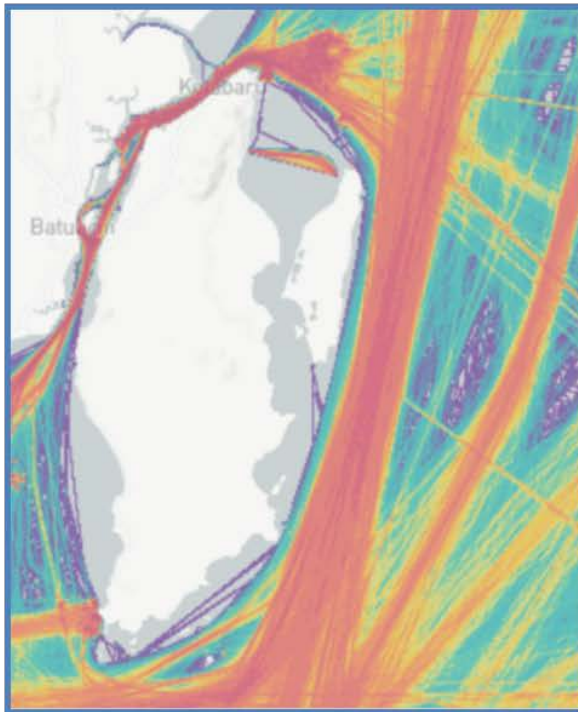
5 Tg. Selatan



## Existing AtoN (Lighthouse)

- 8 Mensu Tg. Kunyit Pulau Laut
- 9 Mensu Tg. Petang Selat Laut
- 10 Mensu Gn. Belingkar Pulau Laut
- 11 Mensu Sumber Gelap Pulau Sumber Gelap

*8 ( 04° 05' 15.60" S 116° 02' 41.35" E )*  
*9 ( 03° 36' 31.01" S 115° 58' 01.84" E )*  
*10 ( 03° 13' 50.00" S 116° 14' 00.00" E )*  
*11 ( 03° 39' 30.00" S 116° 35' 45.00" E )*



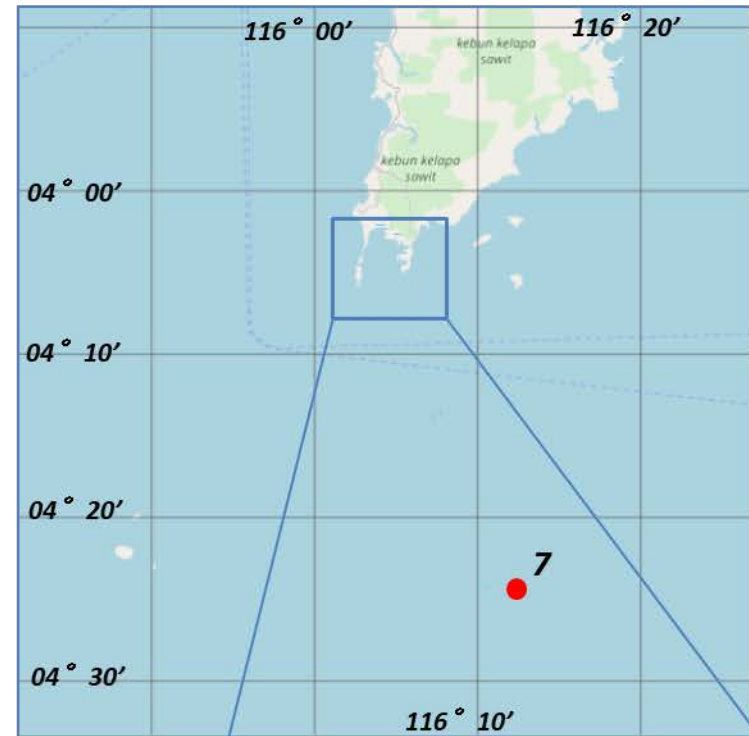
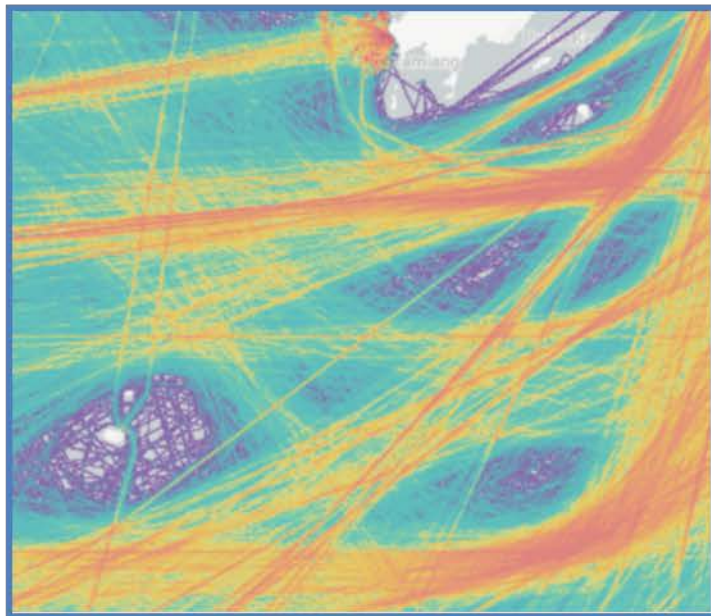
Existing AtoN (Lighthouse)

7 Mensu Samber Galang

*7 (04° 24' 18.78" S 116° 10' 13.38" E)*

8 Mensu Tg. Kunyit Pulau Laut

*8 (04° 05' 15.60" S 116° 02' 41.35" E)*

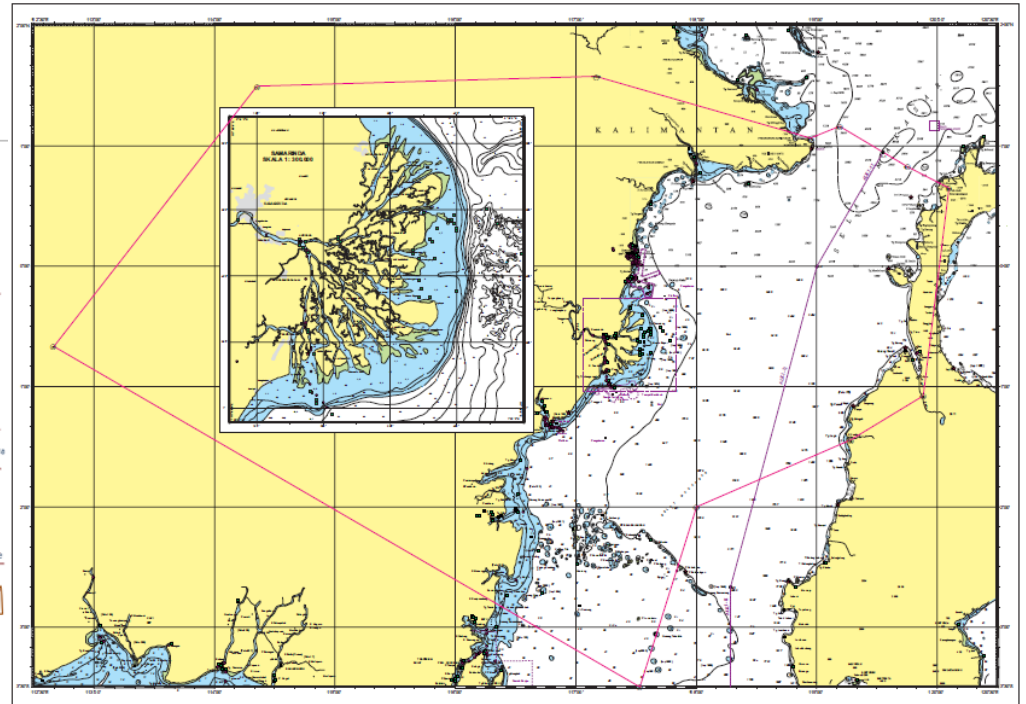
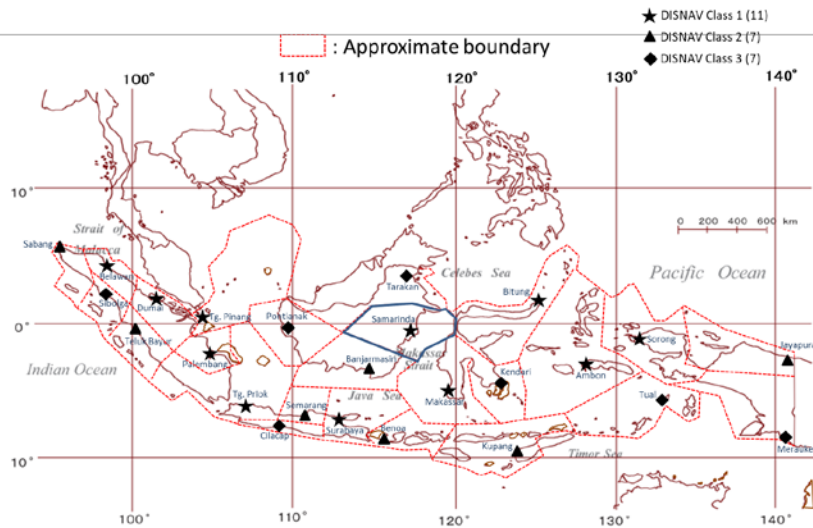


8 Tg. Kunyit



# 17 DISNAV Samarinda

Outline of DISNAV Service Area



## 1-A Summary Table for Planned AtoN

17 DISNAV Samarinda

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Alur IKN	1	Rencana Hijau D	01° 05' 16.990" S	116° 44' 01.126" E	Lighted Buoy	Short-range Light
		2	Rencana Merah E	01° 05' 13.749" S	116° 43' 44.303" E	"	"
		3	Rencana Hijau F	01° 04' 52.253" S	116° 43' 53.846" E	"	"
		4	Rencana Hijau G	01° 04' 01.605" S	116° 44' 13.492" E	"	"
		5	Rencana Merah H	01° 04' 08.759" S	116° 43' 58.672" E	"	"
		6	Rencana Merah I	01° 02' 48.966" S	116° 44' 05.752" E	"	"
		7	Rencana Merah J	01° 06' 15.157" S	116° 43' 22.623" E	"	"
2	Pelabuhan PPI Manggar	1	Rambu Suar Hijau	01° 13' 22.69" S	116° 58' 54.83" E	Lighted Beacon	Medium-range Light
		2	Rambu Suar Merah	01° 13' 22.94" S	116° 58' 25.80" E	"	"
		3	Lampu Pelabuhan	01° 12' 54.96" S	116° 58' 49.16" E	"	"

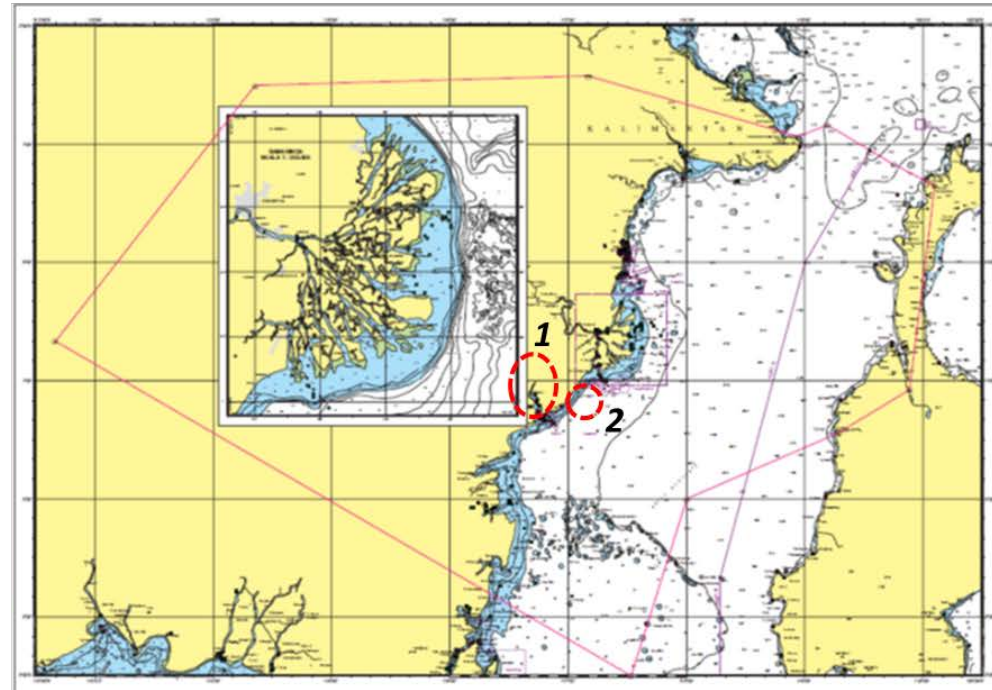
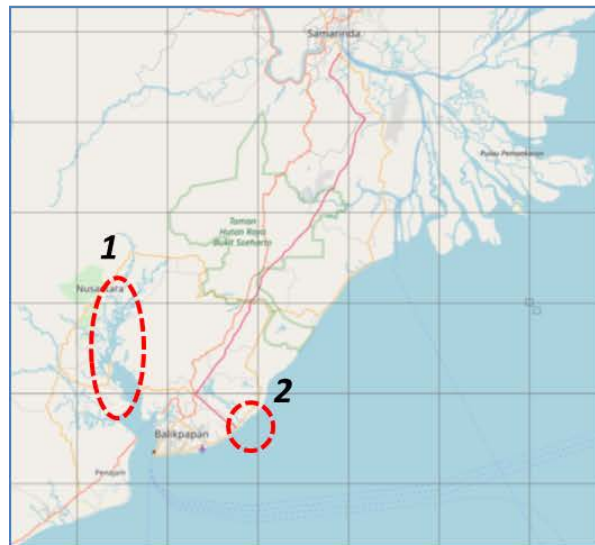
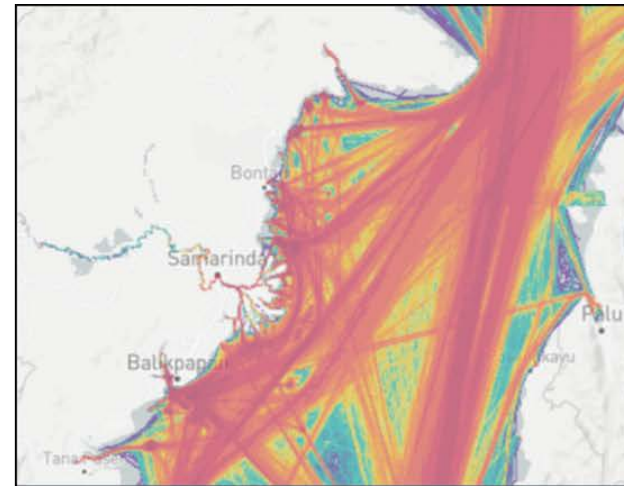


## 1-B Outline Map of Nominated Area

### 17 Samarinda ( I )

Planned AtoN (Nominated Area)

- 1 Alur IKN
- 2 Pelabuhan PPI Manggar



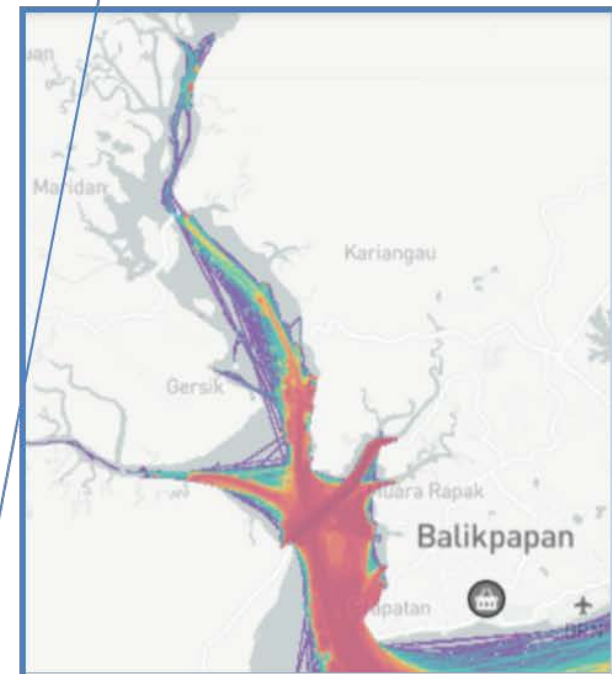
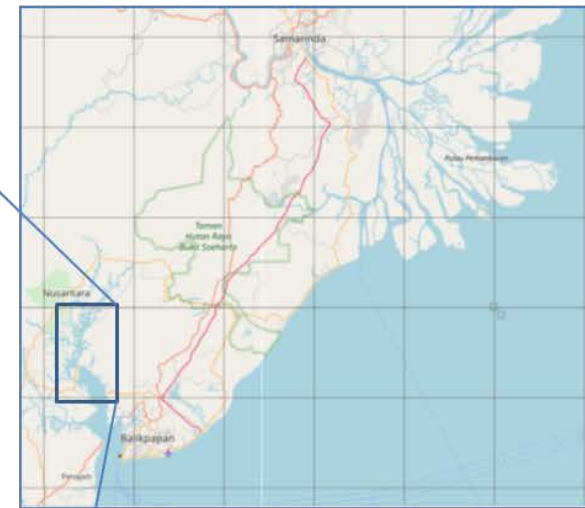
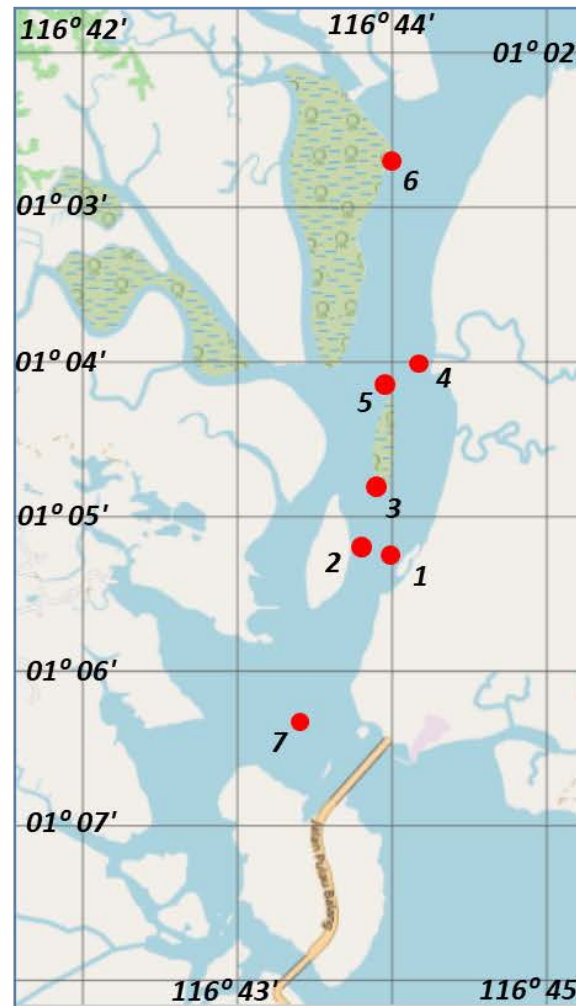


## Planned AtoN (Lighted Buoy)

### 1 Alur IKN

- 1 Rencana Hijau D
- 2 Rencana Merah E
- 3 Rencana Hijau F
- 4 Rencana Hijau G
- 5 Rencana Merah H
- 6 Rencana Merah I
- 7 Rencana Merah J

- 1 (  $01^{\circ}05'16.990''$  S  $116^{\circ}44'01.126''$  E )
- 2 (  $01^{\circ}05'13.749''$  S  $116^{\circ}43'44.303''$  E )
- 3 (  $01^{\circ}04'52.253''$  S  $116^{\circ}43'53.846''$  E )
- 4 (  $01^{\circ}04'01.605''$  S  $116^{\circ}44'13.492''$  E )
- 5 (  $01^{\circ}04'08.759''$  S  $116^{\circ}43'58.672''$  E )
- 6 (  $01^{\circ}02'48.966''$  S  $116^{\circ}44'05.752''$  E )
- 7 (  $01^{\circ}06'15.157''$  S  $116^{\circ}43'22.623''$  E )

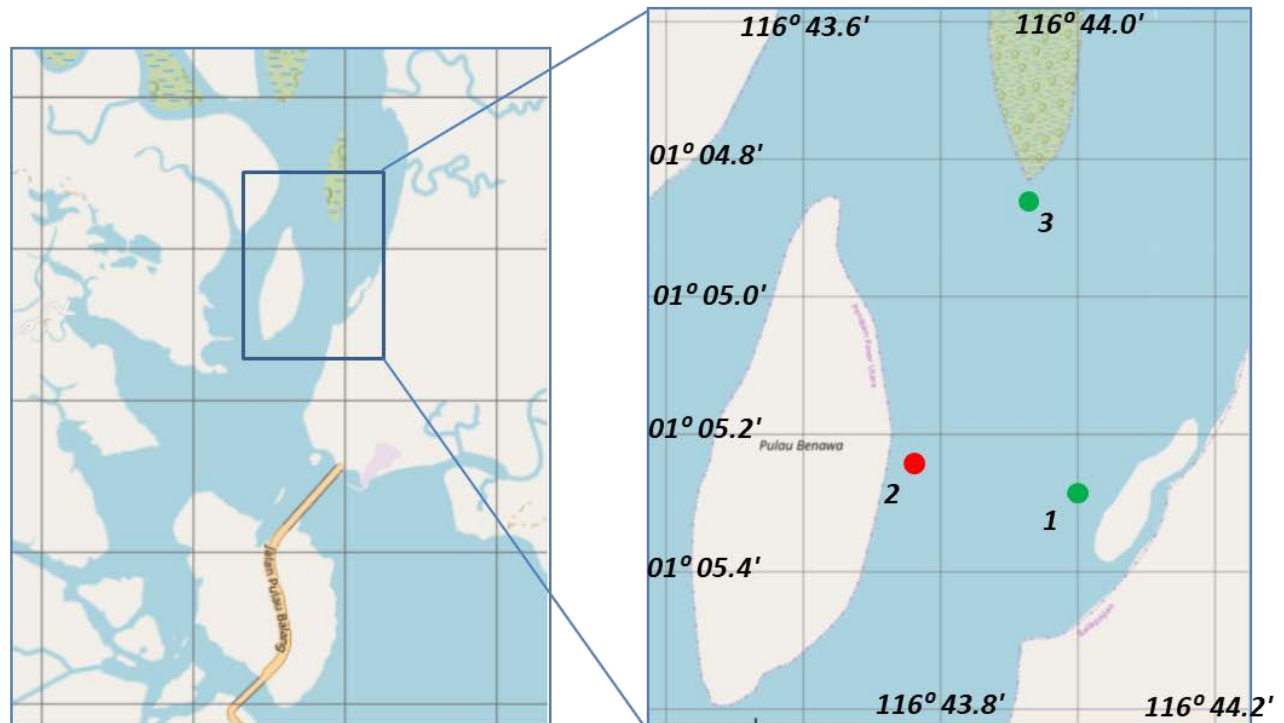
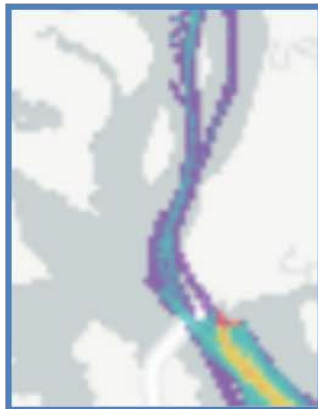




## Planned AtoN (Lighted Buoy)

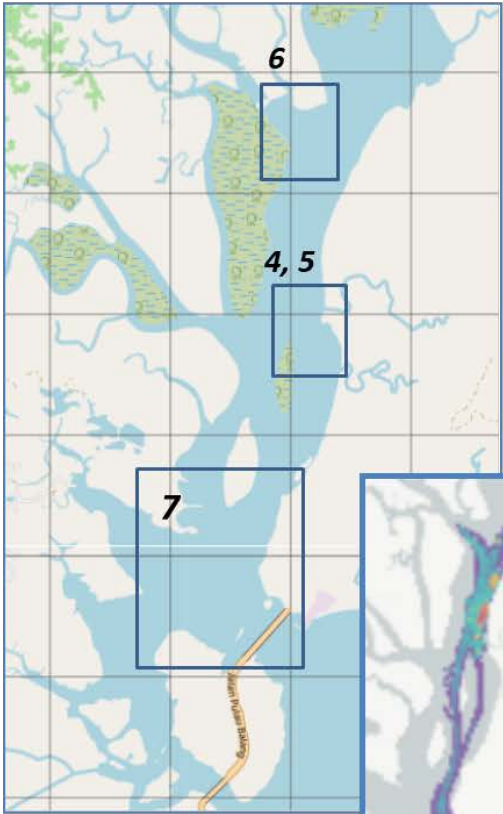
- 1 Rencana Hijau D
- 2 Rencana Merah E
- 3 Rencana Hijau F

1 (  $01^{\circ}05'16.990''S$   $116^{\circ}44'01.126''E$  )  
2 (  $01^{\circ}05'13.749''S$   $116^{\circ}43'44.303''E$  )  
3 (  $01^{\circ}04'52.253''S$   $116^{\circ}43'53.846''E$  )





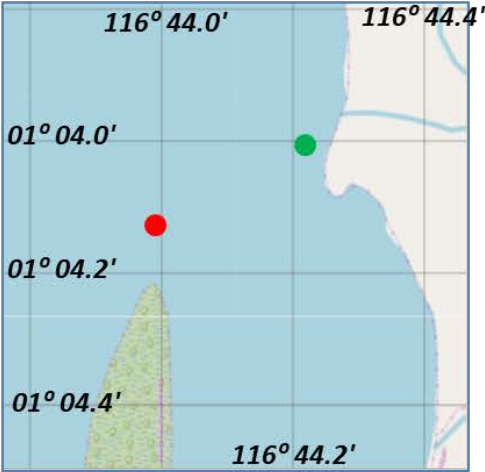
Planned AtoN (Lighted Buoy)



4 Rencana Hijau G

5 Rencana Merah H

4 ( 01° 04' 01.605" S 116° 44' 13.492" E )  
 5 ( 01° 04' 08.759" S 116° 43' 58.672" E )



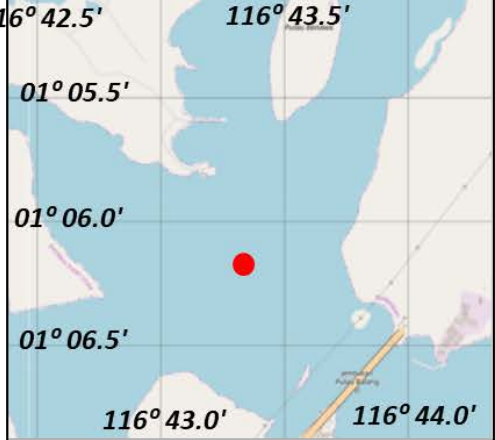
6 Rencana Merah I

6 ( 01° 02' 48.966" S 116° 44' 05.752" E )



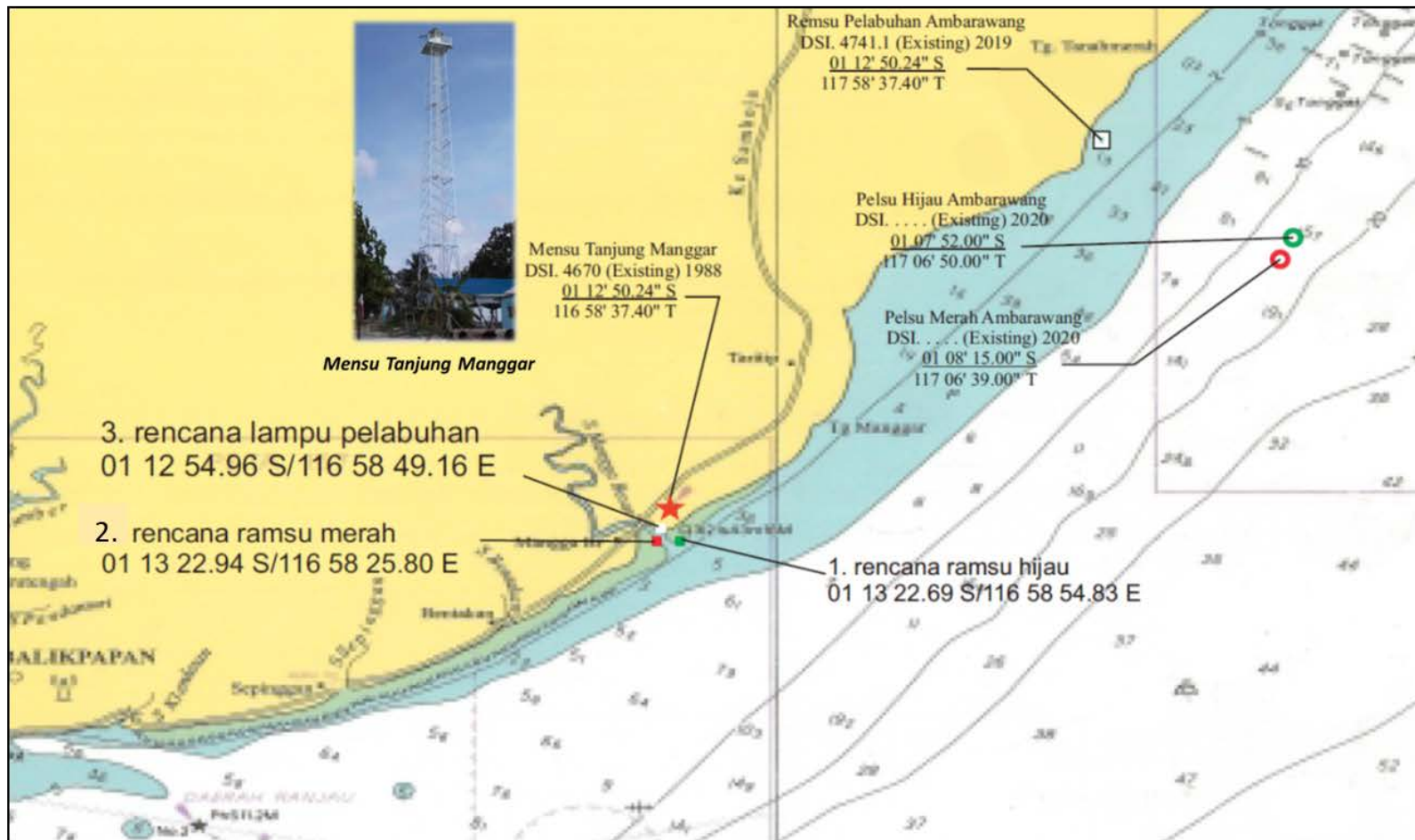
7 Rencana Merah J

7 ( 01° 06' 15.157" S 116° 43' 22.623" E )



## Planned AtoN (Lighted Beacon)

	1 Rambu Suar Hijau	1 ( 01° 13' 22.69" S 116° 58' 54.83" E )
2 Pelabuhan PPI Manggar	2 Rambu Suar Merah	2 ( 01° 13' 22.94" S 116° 58' 25.80" E )
	3 Lampu Pelabuhan	3 ( 01° 12' 54.96" S 116° 58' 49.16" E )

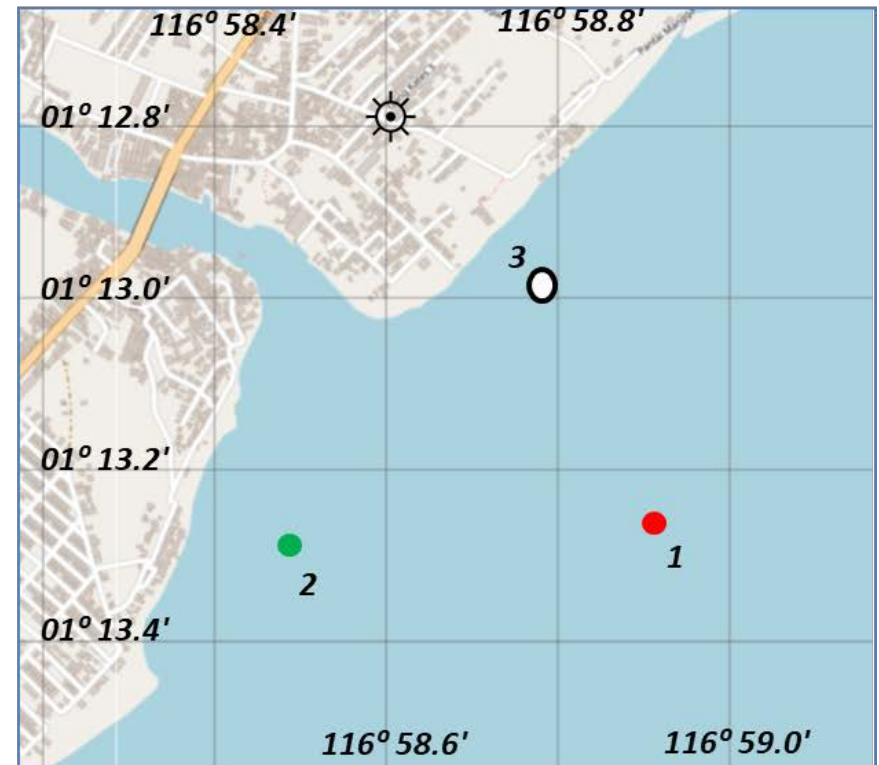


## Planned AtoN (Lighted Beacon)

### 2 Pelabuhan PPI Manggar

- 1 Rambu Suar Hijau
- 2 Rambu Suar Merah
- 3 Lampu Pelabuhan

- 1 (  $01^{\circ} 13' 22.69''$  S  $116^{\circ} 58' 54.83''$  E )
- 2 (  $01^{\circ} 13' 22.94''$  S  $116^{\circ} 58' 25.80''$  E )
- 3 (  $01^{\circ} 12' 54.96''$  S  $116^{\circ} 58' 49.16''$  E )



**Sheet ③ Reporting Format for List of Planned AtoN**  
**Lembar ③ (Format Pelaporan Daftar AtoN yang direncanakan)**

**Name of Sea Area / Port** : Alur IKN  
**District** : Samarinda (17)  
**Chart No (Name)** : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)						
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna lampu)	Top Marks	
		Longitude Garis Bujur	Latitude Garis Lintang									Category (*9) Kategori	Shape (*10) Bentuk
1	Rencana Hijau D	01° 5' 16.990" S	116° 44' 1.126" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1 LATERAL MARKS	1-③ Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas
2	Rencana Merah E	01° 5' 13.749" S	116° 43' 44.303" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1 LATERAL MARKS	1-① Single red cylinder (can) / Silinder merah tunggal (kaleng)
3	Rencana Hijau F	01° 4' 52.253" S	116° 43' 53.846" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1 LATERAL MARKS	1-③ Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas
4	Rencana Hijau G	01° 4' 1.605" S	116° 44' 13.492" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1 LATERAL MARKS	1-③ Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas
5	Rencana Merah H	01° 4' 8.759" S	116° 43' 58.672" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1 LATERAL MARKS	1-① Single red cylinder (can) / Silinder merah tunggal (kaleng)
6	Rencana Merah I	01° 2' 48.966" S	116° 44' 5.752" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1 LATERAL MARKS	1-① Single red cylinder (can) / Silinder merah tunggal (kaleng)
7	Rencana Merah J	01° 6' 15.157" S	116° 43' 22.623" E	Lighted Buoy	Short-range Light	Inland waters (River) (Perairan Dalam Sungai)	Category 2 (Important/Penting)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1 LATERAL MARKS	1-① Single red cylinder (can) / Silinder merah tunggal (kaleng)

**Name of Sea Area / Port** : Pelabuhan PPI Manggar  
**District** : Samarinda (17)  
**Chart No (Name)** : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)						
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna lampu)	Top Marks	
		Longitude Garis Bujur	Latitude Garis Lintang									Category (*9) Kategori	Shape (*10) Bentuk
1	Rambu Suar Hijau	01° 13' 22.69" S	116° 58' 54.83" E	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 3 (Necessary/Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Green (Hijau)	1 LATERAL MARKS	1-③ Single green cone, point upwards / Kerucut hijau tunggal, mengarah ke atas
2	Rambu Suar Merah	01° 13' 22.94" S	116° 58' 25.80" E	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 3 (Necessary/Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	1 LATERAL MARKS	1-① Single red cylinder (can) / Silinder merah tunggal (kaleng)
3	Lampu Pelabuhan	01° 12' 54.96" S	116° 58' 49.16" E	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Derмага/Pelabuhan) (area terbatas)	Category 3 (Necessary/Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak berlaku



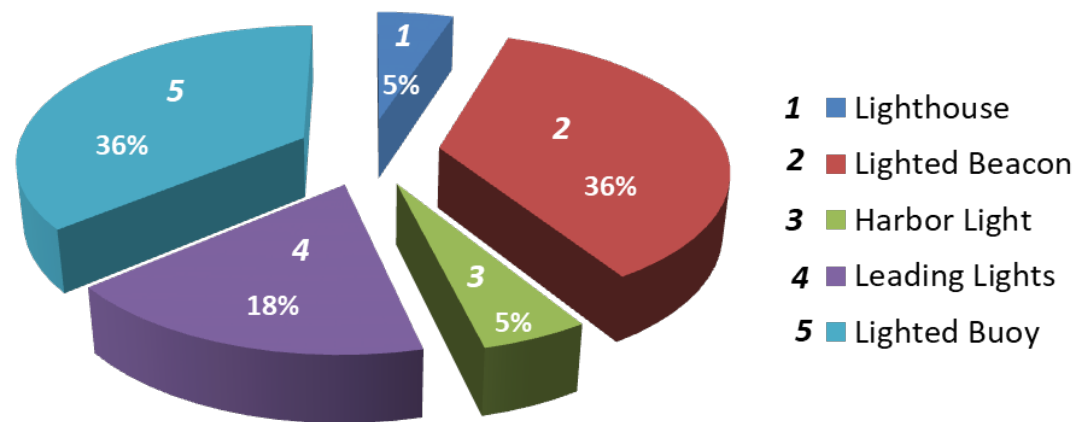
## 1-A Summary Table of Existing AtoN (Lighthouse)

### Existing AtoN (Lighthouse)

1	Tukong Hill	<i>Harbor/Port (Restricted area)</i>
2	Tg. Manggar	<i>Coastal waters</i>
3	Ambo	<i>Offshore waters</i>
4	Muara Pegah	<i>Congested area</i>
5	Tg. Mangkaliat	<i>Coastal waters</i>
6	P. Miang Besar	<i>Offshore waters</i>

**AtoN Total : 119**

**Lighthouse : 6, Lighted Beacon : 43, Harbor Light : 6,  
Leading Lights: 21, Lighted Buoy : 43**



## 1-B Outline Map of Existing AtoN (Lighthouse)

### Existing AtoN (Lighthouse)

- 1 Tukong Hill
- 2 Tg. Manggar
- 3 Ambo
- 4 Muara Pegah
- 5 Tg. Mangkaliat
- 6 P. Miang Besar

*1 ( 01° 16' 30.0" S 116° 48' 30.0" E )*

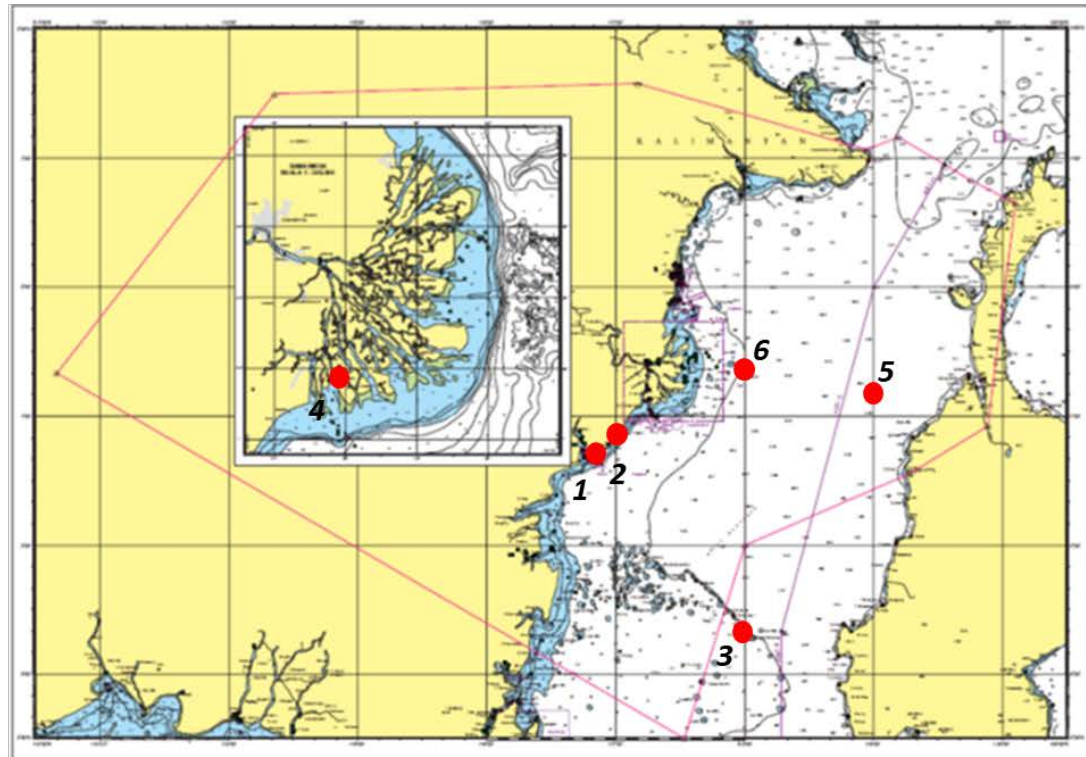
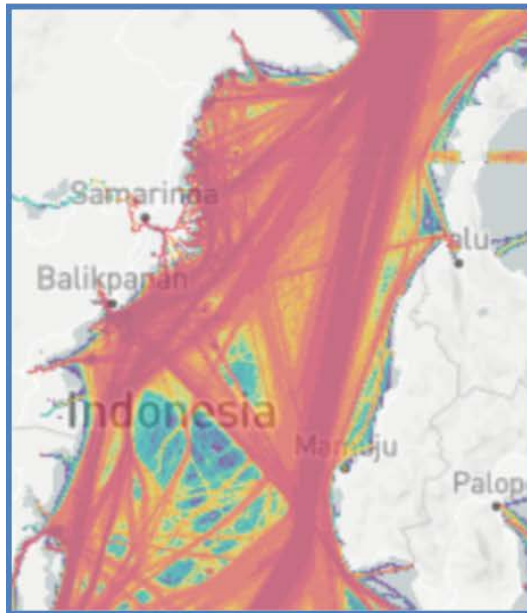
*2 ( 01° 12' 48.0" S 116° 58' 37.0" E )*

*3 ( 02° 32' 30.0" S 117° 56' 50.0" E )*

*4 ( 00° 51' 38.5" S 117° 17' 51.0" E )*

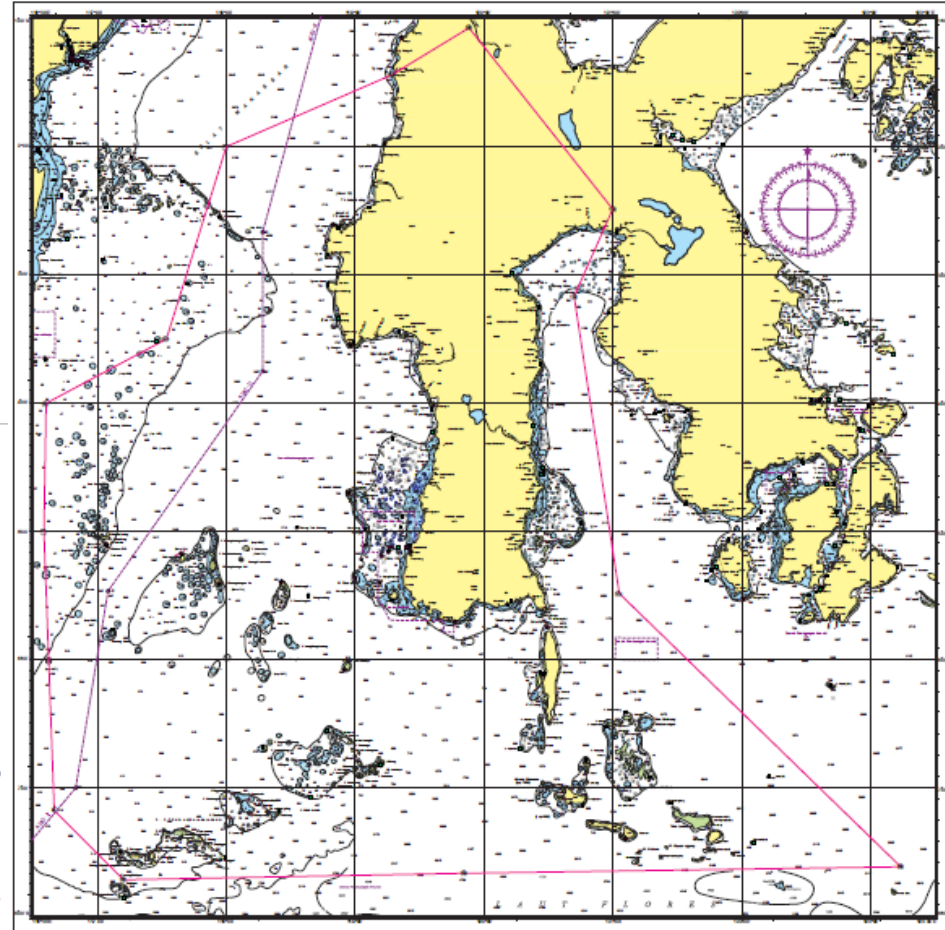
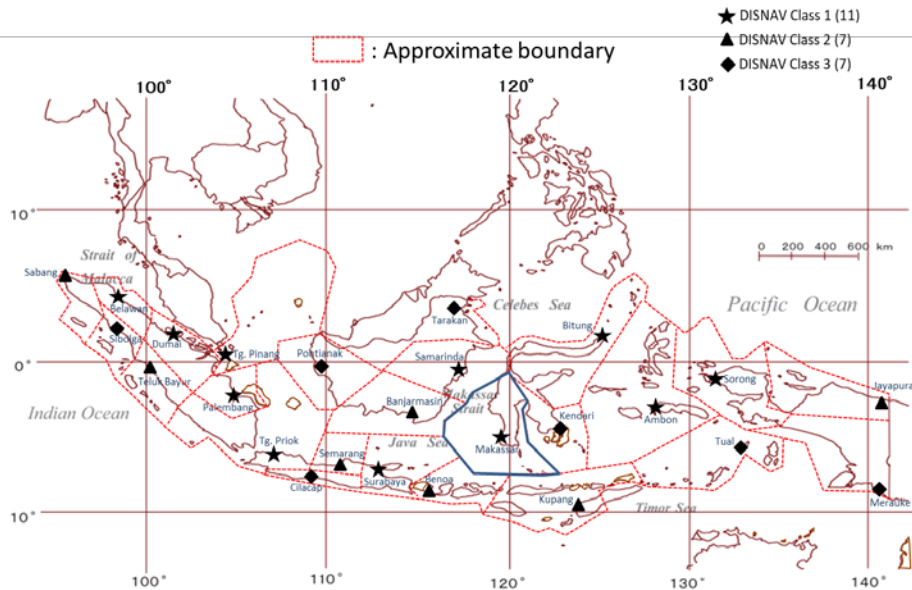
*5 ( 00° 59' 30.0" S 118° 59' 00.0" E )*

*6 ( 00° 43' 01.2" S 118° 00' 44.0" E )*



# 18 DISNAV Makassar

## Outline of DISNAV Service Area



## 1-A Summary Table for Planned AtoN

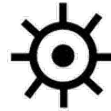
### 18 DISNAV Makassar

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Pulau Pasitelu Raja	1	Buoy Pengenal	07° 04' 44.50" S	121° 07' 13.80" E	Lighted Buoy	Short-range Light
2	Sea-area around Pulau Kodingareng	2	Buoy No. 2	05° 10' 28.12" S	119° 11' 33.48" E	"	"
		3	Bone Pamakeke	05° 11' 42.00" S	119° 12' 35.00" E	"	"
		4	Buoy No. 4	05° 06' 46.85" S	119° 17' 04.40" E	"	"
		5	Buoy No. 5	05° 07' 30.39" S	119° 15' 49.65" E	"	"
3	Makassar	6	Buoy No. 9	05° 07' 22.00" S	119° 23' 32.00" E	"	"
		7	Buoy No. 8	05° 07' 11.00" S	119° 23' 54.00" E	"	"
		8	Kardinal Timur	05° 06' 19.50" S	119° 24' 24.66" E	"	"



# 1-B Outline Map of Nominated Area

18 Makassar ( I )

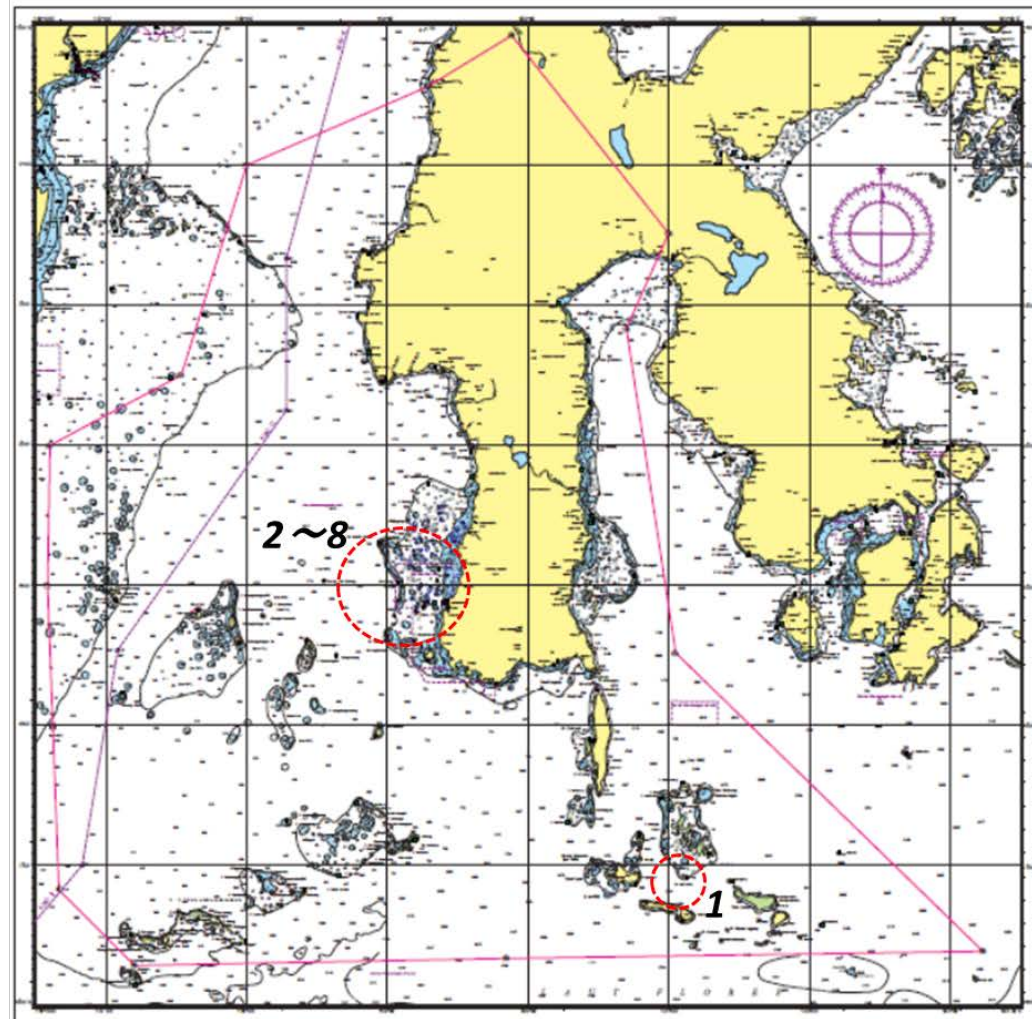


Location Map



## Planned AtoN (Lighted Buoy)

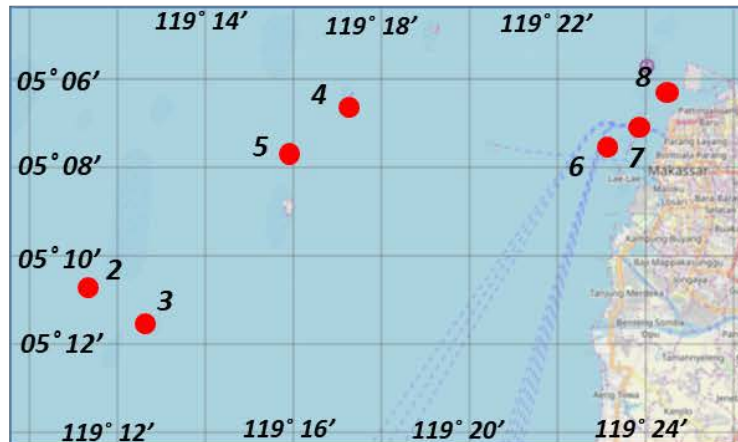
- 1 Buoy Pengenal
- 2 Buoy No. 2
- 3 Bone Pamakeke
- 4 Buoy No. 4
- 5 Buoy No. 5
- 6 Buoy No. 9
- 7 Buoy No. 8
- 8 Kardinal Timur



## Planned AtoN (Lighted Buoy)

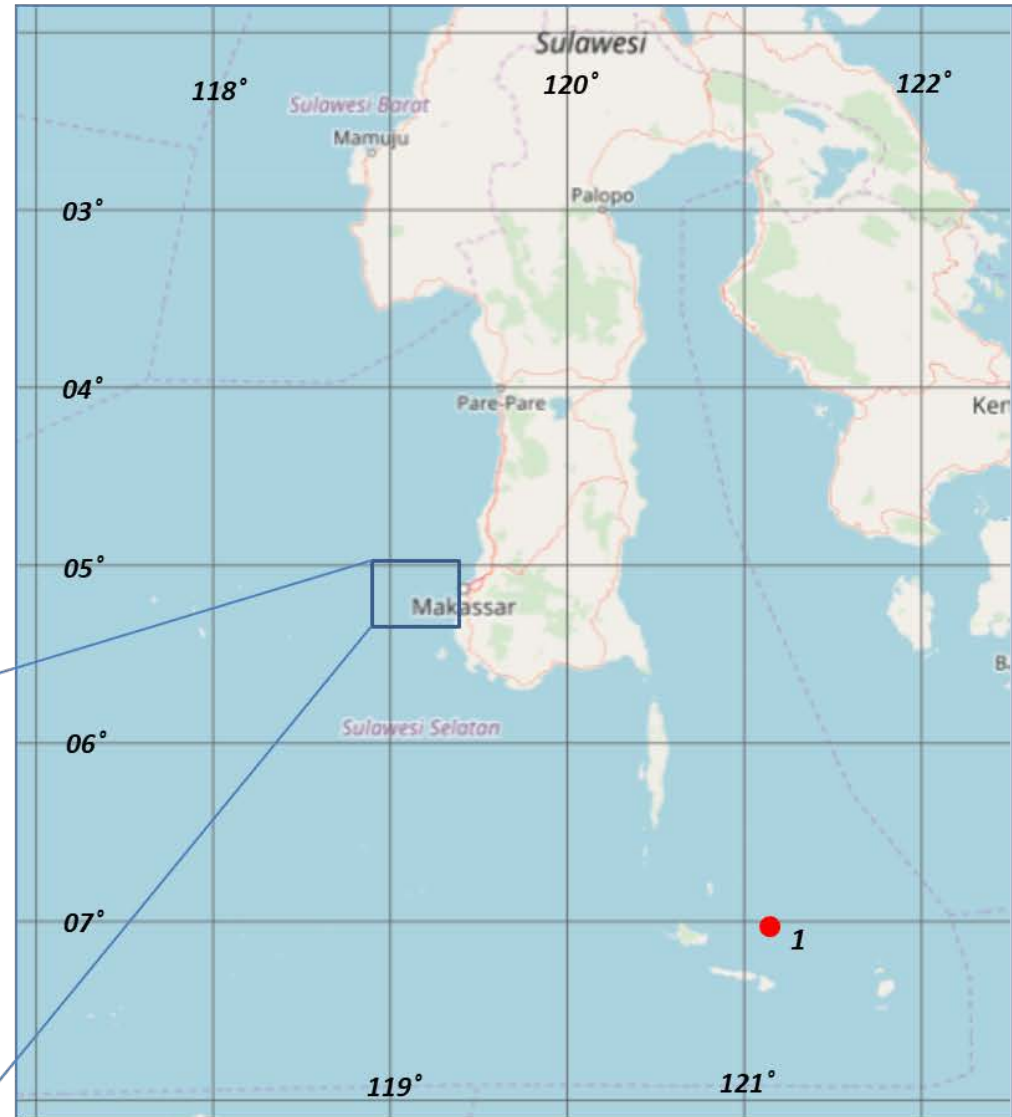
- 2 Buoy No. 2
- 3 Bone Pamakeke
- 4 Buoy No. 4
- 5 Buoy No. 5
- 6 Buoy No. 9
- 7 Buoy No. 8
- 8 Kardinal Timur

- 2 (  $05^{\circ} 10' 28.12'' S$   $119^{\circ} 11' 33.48'' E$  )  
3 (  $05^{\circ} 11' 42.00'' S$   $119^{\circ} 12' 35.00'' E$  )  
4 (  $05^{\circ} 06' 46.85'' S$   $119^{\circ} 17' 04.40'' E$  )  
5 (  $05^{\circ} 07' 30.39'' S$   $119^{\circ} 15' 49.65'' E$  )  
6 (  $05^{\circ} 07' 22.00'' S$   $119^{\circ} 23' 32.00'' E$  )  
7 (  $05^{\circ} 07' 11.00'' S$   $119^{\circ} 23' 54.00'' E$  )  
8 (  $05^{\circ} 06' 19.50'' S$   $119^{\circ} 24' 24.66'' E$  )



## 1 Buoy Pengenal

1 (  $07^{\circ} 04' 44.50'' S$   $121^{\circ} 07' 13.80'' E$  )

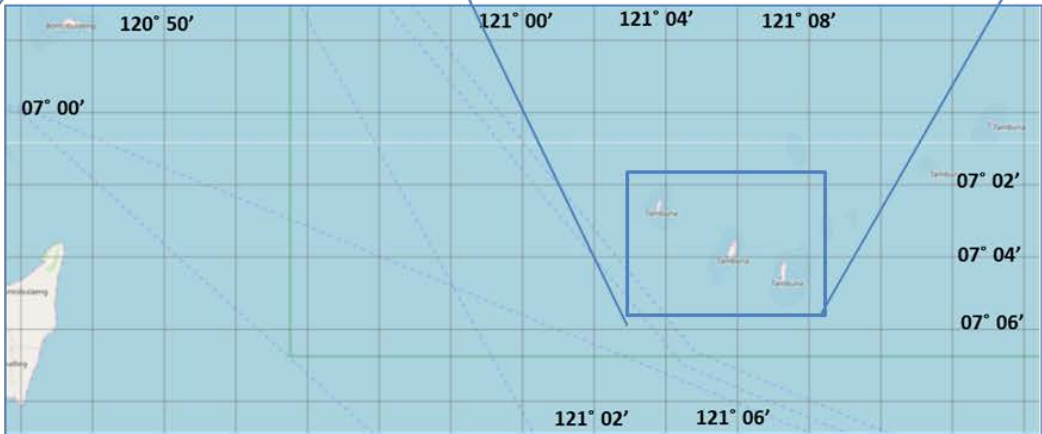
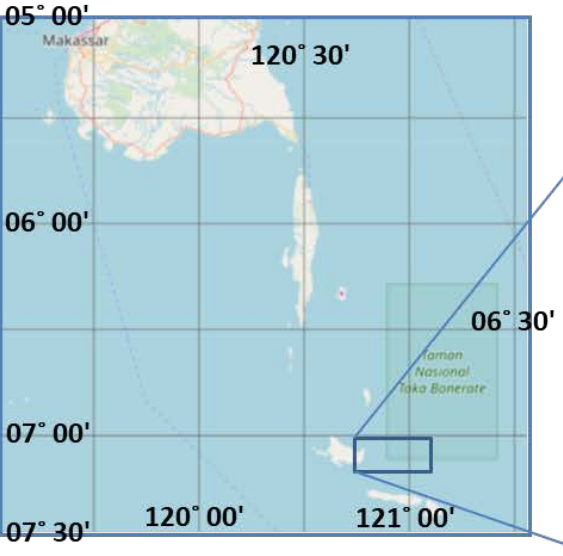
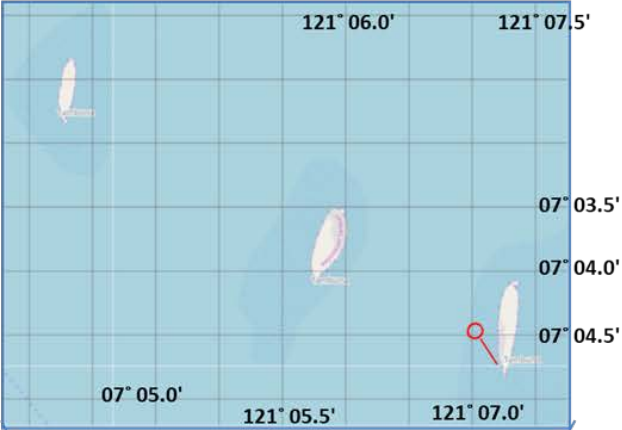
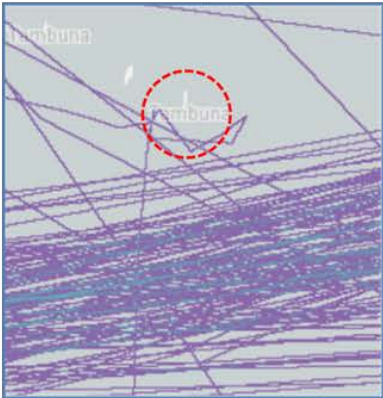
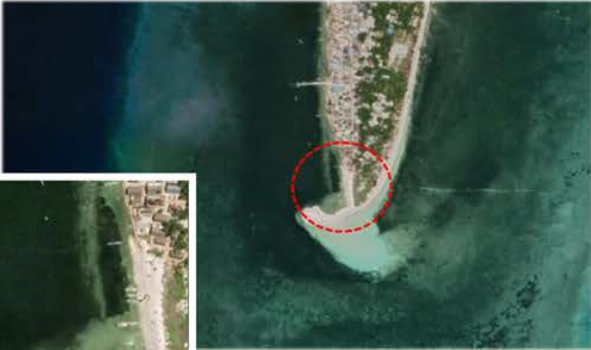


Planned AtoN (Lighted Buoy)

1 Buoy Pengenal

( 07° 04' 44.50" S 121° 07' 13.80" E )

Special Marks (Anchorage)

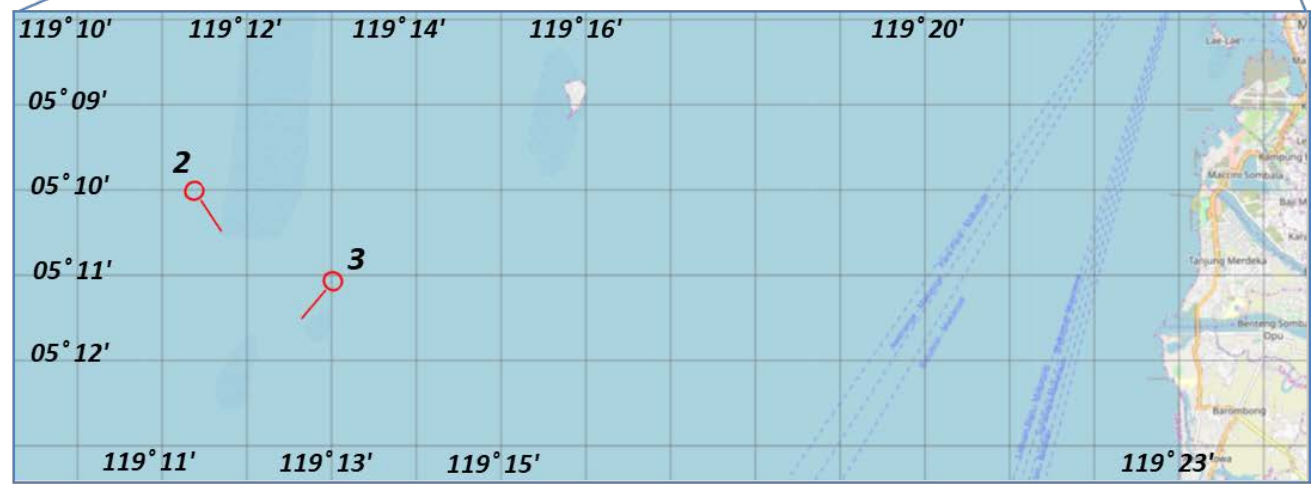
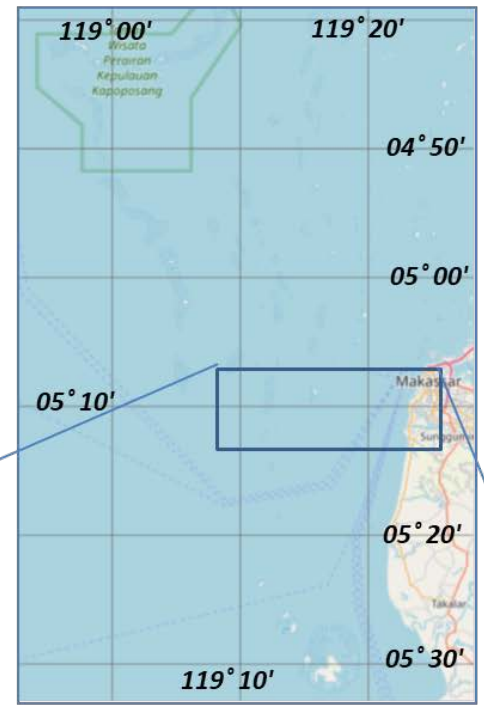
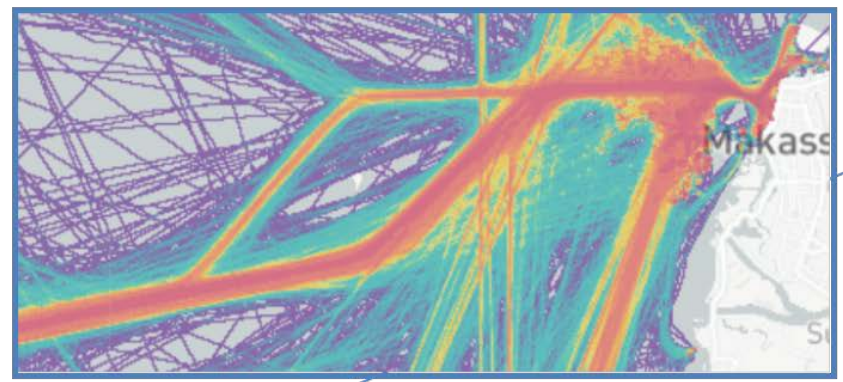




Planned AtoN (Lighted Buoy)

- 2 Buoy No. 2  
(05° 10' 28.12" S 119° 11' 33.48" E)
- 3 Bone Pamakeke  
(05° 11' 42.00" S 119° 12' 35.00" E)

Transition Mark





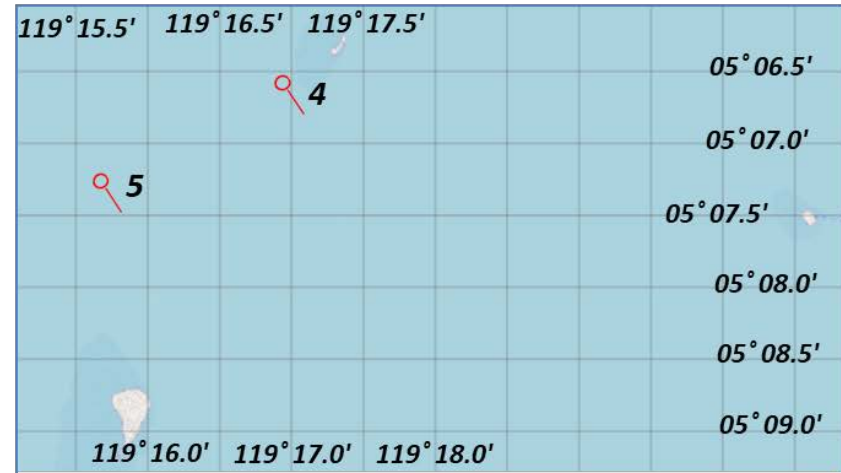
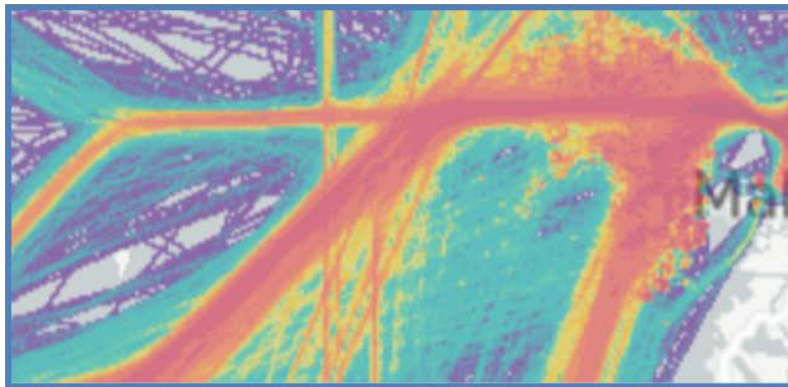
Planned AtoN (Lighted Buoy)

4 Buoy No. 4

5 Buoy No. 5

4 (  $05^{\circ} 06' 46.85'' S$   $119^{\circ} 17' 04.40'' E$  )

5 (  $05^{\circ} 07' 30.39'' S$   $119^{\circ} 15' 49.65'' E$  )



Planned AtoN (Lighted Buoy)

6 Buoy No. 9

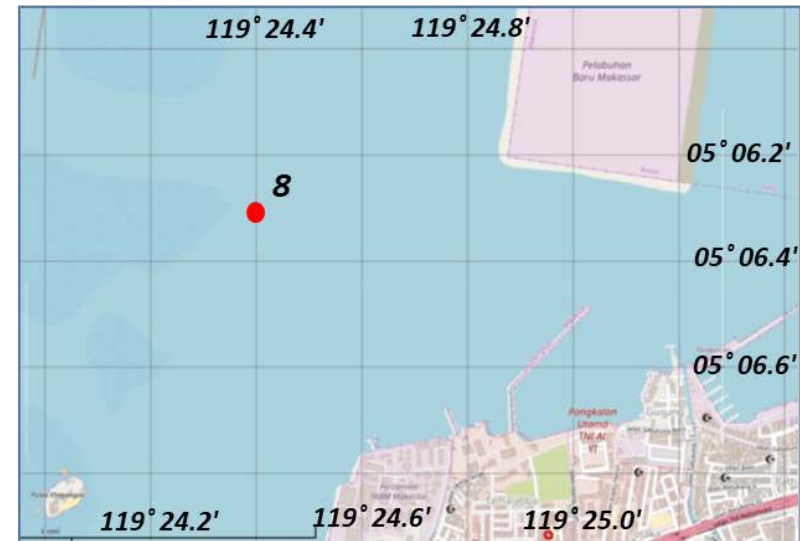
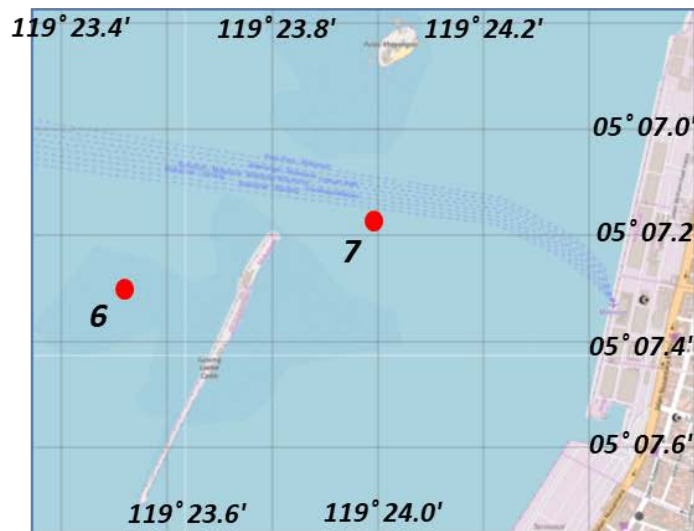
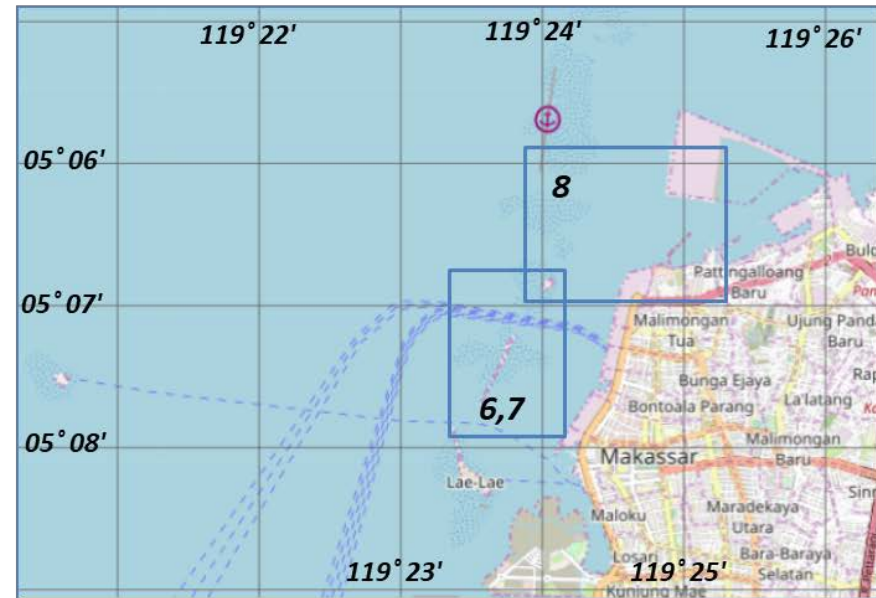
7 Buoy No. 8

8 Kardinal Timur

6 (  $05^{\circ} 07' 22.00'' S$   $119^{\circ} 23' 32.00'' E$  )

7 (  $05^{\circ} 07' 11.00'' S$   $119^{\circ} 23' 54.00'' E$  )

8 (  $05^{\circ} 06' 19.50'' S$   $119^{\circ} 24' 24.66'' E$  )



**Sheet 3 Reporting Format for List of Planned AtoN**  
 Lembar 3 (Format Pelaporan Daftar AtoN yang direncanakan)

Name of Sea Area / Port : Perairan Makassar

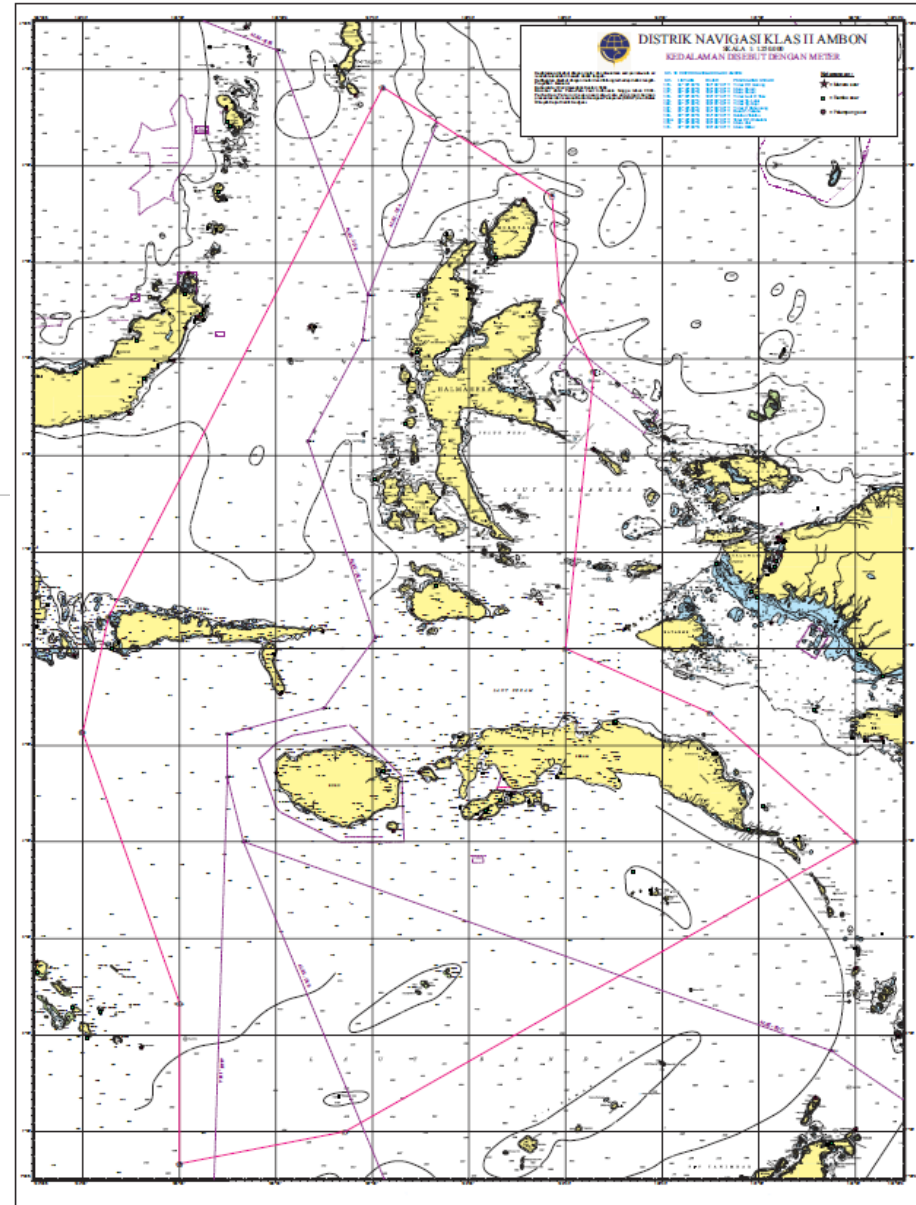
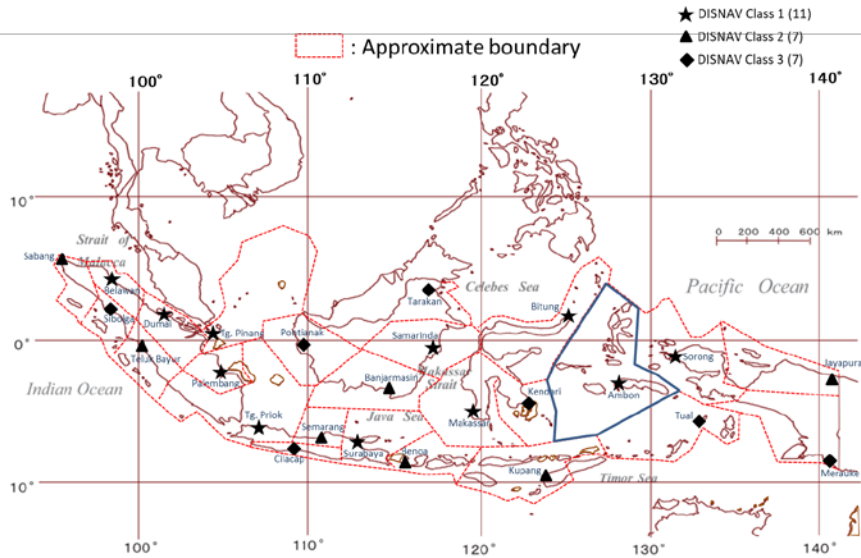
District : Makassar (18)

Chart No (Name) : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)		Aid (Tipe dan Spesifikasi AtoN)		Category (Kategori)		Type of Marks (Tipe dan Tanda)						Remarks/Catatan	
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna Lampu)	Top Marks		
		Longitude Garis Bujur	Latitude Garis Lintang									Category (*9) Kategori		Shape (*10) Bentuk
1	Buoy/Pengenal	07° 04' 44.5"S	121° 07' 13.8" E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 1 (Vital)	Preferred Channel of Starboard (Kana Pilihan Starboard)	Not Applicable (n/a) (Tidak Berlaku)	Special Marks (Anchorage)/Tanda Khusus (Anchorage)	White (Putih)	1 LATERAL MARKS	3-Q: 200m spheres, one above the other / 200m hitam, satu di atas yang lain	
2	Buoy No. 2	05° 10' 28.119"S	119° 11' 33.484" E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 1 (Vital)	Preferred Channel of Starboard (Kana Pilihan Starboard)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Red (Merah)	3 ISOLATED DANGER MARKS	4-Q: Single red sphere / Bola merah tunggal	
3	Bone Pataleke	05° 11' 42.0" S	119° 12' 35.0" E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 1 (Vital)	Not Applicable (n/a) (Tidak Berlaku)	South (Selatan)	Transition Mark / Tanda Peralihan	White (Putih)	1 LATERAL MARKS	3-Q: 200m spheres, one above the other /	
4	Buoy No. 4	05° 06' 46.85"S	119° 17' 06.4" E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 1 (Vital)	Preferred Channel of Starboard (Kana Pilihan Starboard)	Not Applicable (n/a) (Tidak Berlaku)	Safe Water Mark/Tanda Perairan Aman	Red (Merah)	1 LATERAL MARKS	4-Q: Single red sphere / Bola merah tunggal	
5	Buoy No. 5	05° 07' 30.39" S	119° 15' 49.66" E	Lighted Buoy	Medium-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 2 (Important/Penting)	Preferred Channel of Port (Kanal Pilihan Pelebuh)	Not Applicable (n/a) (Tidak Berlaku)	Approach Mark/Tanda Pendekatan	Green (Hijau)	1 LATERAL MARKS	1-Q: Single green cylinder (cyl)	
6	Buoy No. 9	05° 07' 22.00"S	119° 23' 32.00"E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 2 (Important/Penting)	Preferred Channel of Port (Kanal Pilihan Pelebuh)	Not Applicable (n/a) (Tidak Berlaku)	Approach Mark/Tanda Pendekatan	Green (Hijau)	1 LATERAL MARKS	1-Q: Single green cylinder (cyl)	
7	Buoy No. 8	05° 07' 11.0" S	119° 23' 54.0"E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kana Pilihan Starboard)	Not Applicable (n/a) (Tidak Berlaku)	Approach Mark/Tanda Pendekatan	Red (Merah)	1 LATERAL MARKS	3-Q: 200m spheres, one above the other / 200m hitam, satu di atas yang lain	
8	Kardinal Timur	05° 06' 19.50" S	119° 24' 24.66" E	Lighted Buoy	Short-range Light	Harbor/Port (Restricted area) (Dermaga/Pelebuh) (Arakaterbatas)	Category 2 (Important/Penting)	Preferred Channel of Port (Kanal Pilihan Pelebuh)	Not Applicable (n/a) (Tidak Berlaku)	Approach Mark/Tanda Pendekatan	White (Putih)	2 CARDINAL MARKS	3-Q: 200m cones, one above the other, pointing seaward /	

# 21 DISNAV Ambon

## Outline of DISNAV Service Area





## 1-A Summary Table for Planned AtoN

### 21 DISNAV Ambon

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Pulau Seram	a	Mensu Tg. Galala	-----	-----	Lighthouse	Landfall Light
		d	Ramsu Waisikula	-----	-----	Lighthouse	"
2	Pulau Geser	b	Ramsu Tg. Marthafons	-----	-----	Lighthouse	"
		c	Ramsu Wainitu/Benteng	-----	-----	Lighthouse	"

# 1-B Outline Map of Planned AtoN

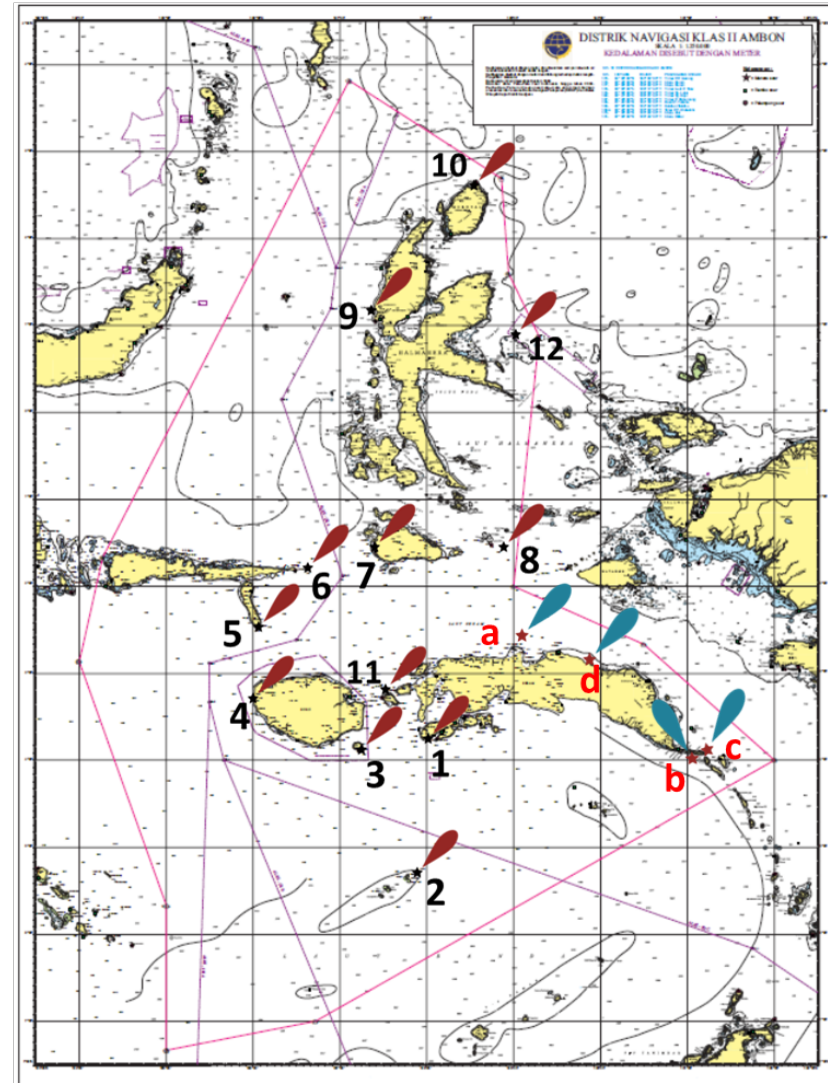
## 21 Ambon ( I )

### Planned AtoN (Lighthouse)

#### a ~ d : Planned AtoN

<b>a</b>	<b>Mensu Tg. Galala</b>	<b>02°45'24.6" S / 129°30'56.8" E</b>
f	Pelsu Teluk Dalam 2 (Pangkalan TNI Al)	02°45'24.6" S / 129°30'56.8" E
j	Ramsu Pelabuhan Perikanan Nusantara	02°45'24.6" S / 129°30'56.8" E
<b>b</b>	<b>Ramsu Tg. Marthafons</b>	<b>03°53'24.0" S / 130°53'12.0" E</b>
g	Tanda Siang W. Batu Gajah Estury	03°53'24.0" S / 130°53'12.0" E
k		03°53'24.0" S / 130°53'12.0" E
<b>c</b>	<b>Ramsu Wainitu/Benteng</b>	<b>03°51'58.0" S / 130°53'54.0" E</b>
l	Ramsu Pelabuhan Yos Soedarsa (Pelindo)	03°51'58.0" S / 130°53'54.0" E
<b>d</b>	<b>Ramsu Waisikula</b>	<b>02°53'40.6" S / 129°48'35.0" E</b>
e	Pelsu Teluk Dalam 1 (Pangkalan TNI Al)	02°53'40.6" S / 129°48'35.0" E
i	Ramsu Pelabuhan Pertamina Wayame (Pe	02°53'40.6" S / 129°48'35.0" E
m	Ramsu Pelabuhan Pertamina Wayame (Pe	02°53'40.6" S / 129°48'35.0" E

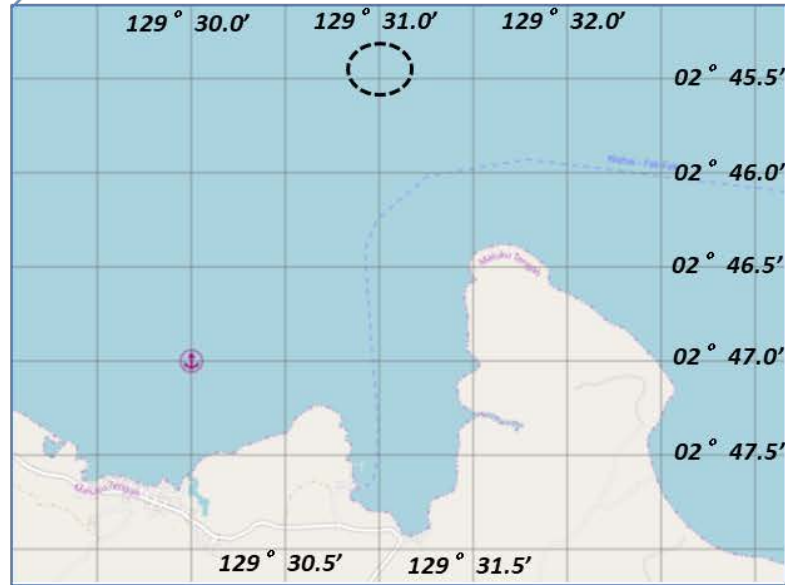
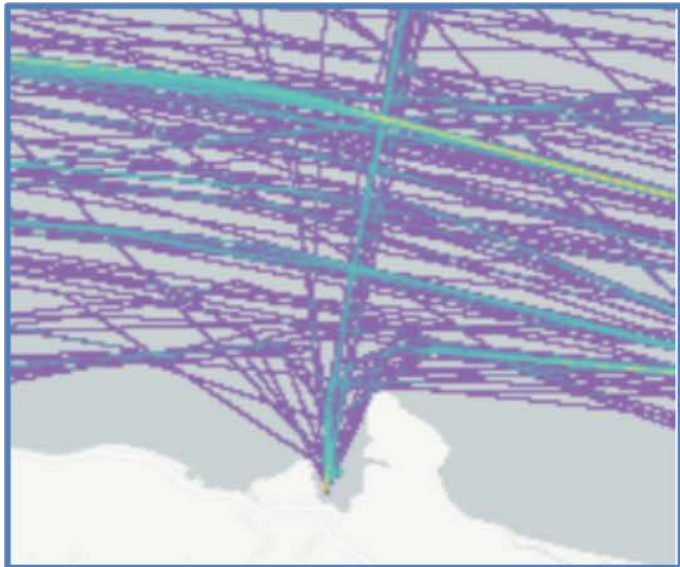
#### 1 ~ 12 : Existing AtoN (Lighthouse)



Planned AtoN (Lighthouse)

a Mensu Tg. Galala

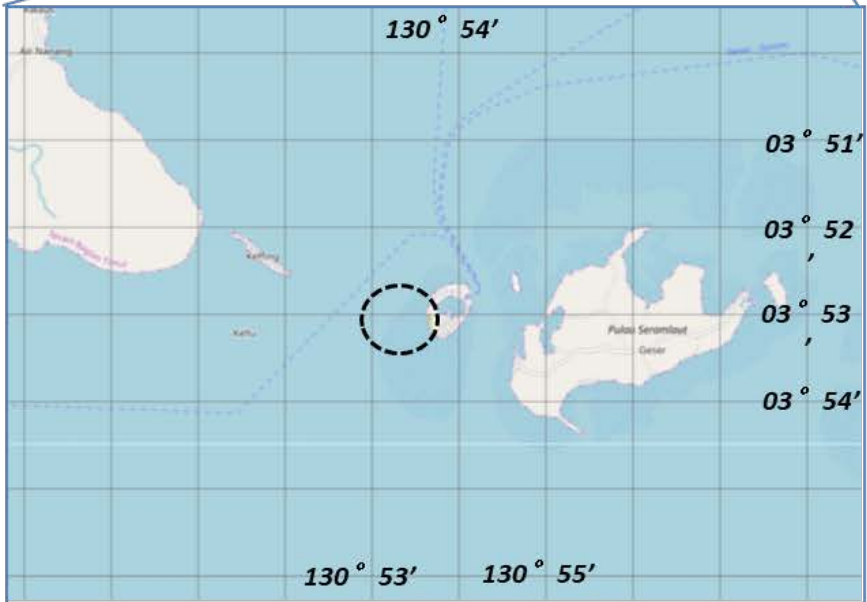
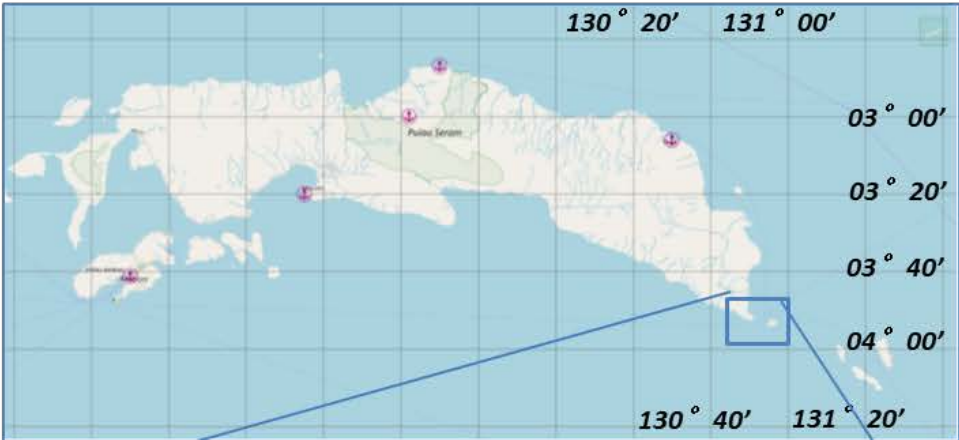
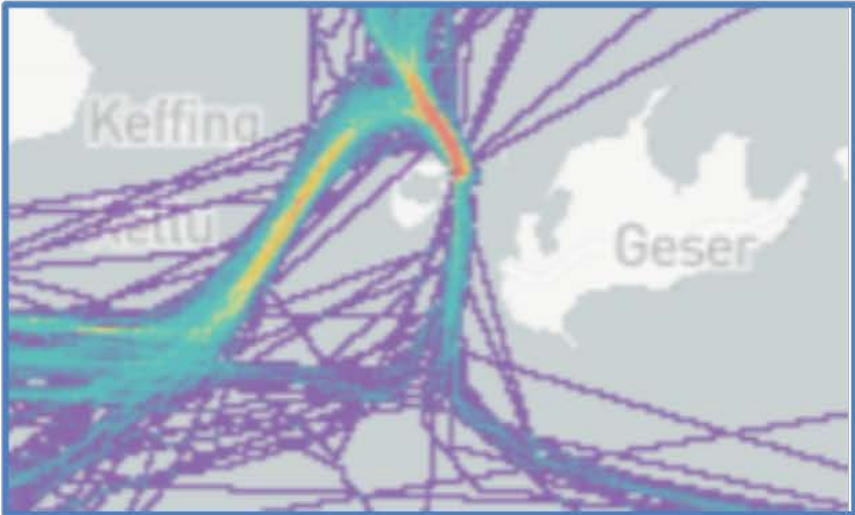
( 02° 45' 24.6" S 129° 30' 56.8" E )



Planned AtoN (Lighthouse)

b Ramsu Tg. Marthafons

( 03° 53' 24.0" S 130° 53' 12.0" E )

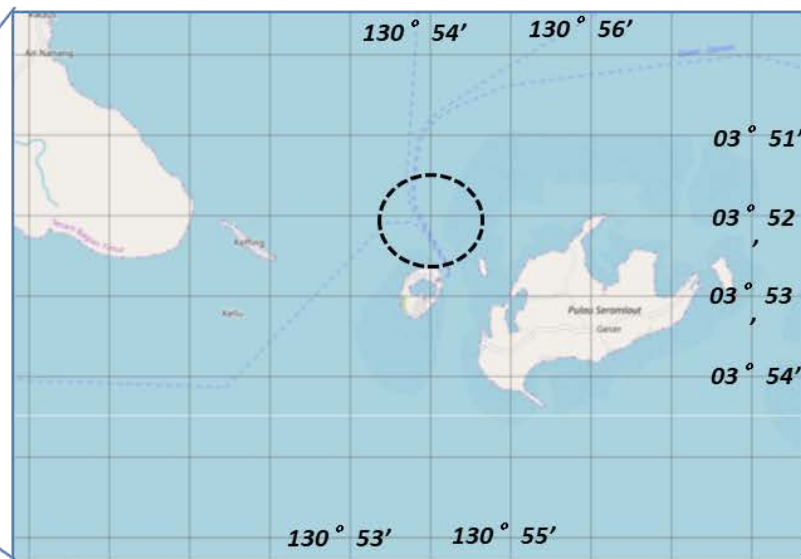
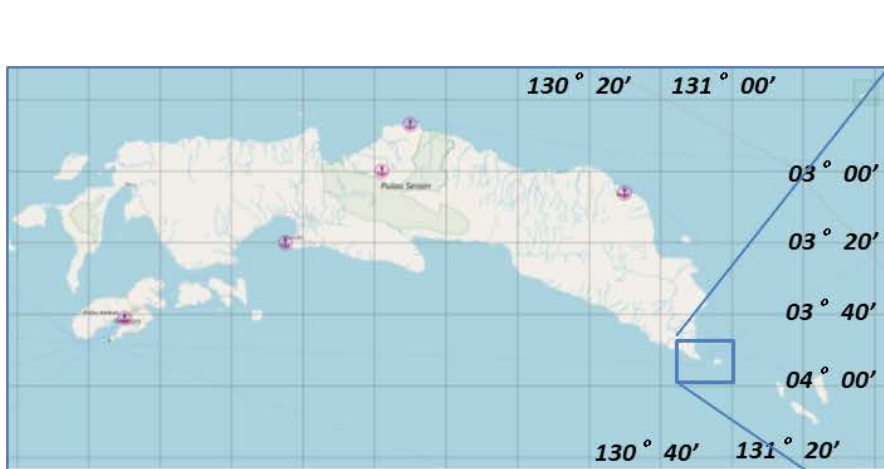
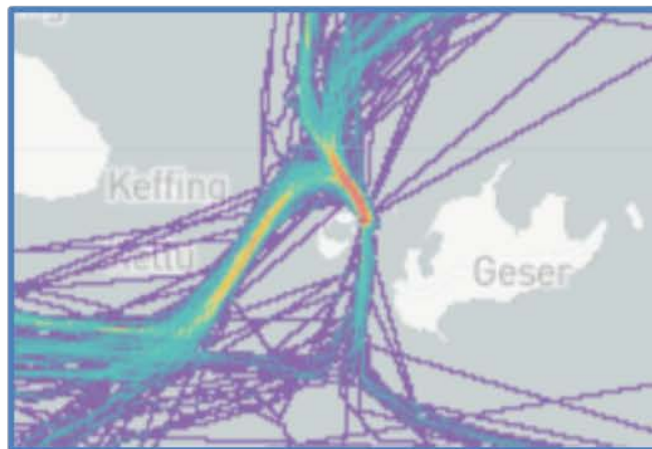




Planned AtoN (Lighthouse)

c Ramsu Wainitu/Benteng

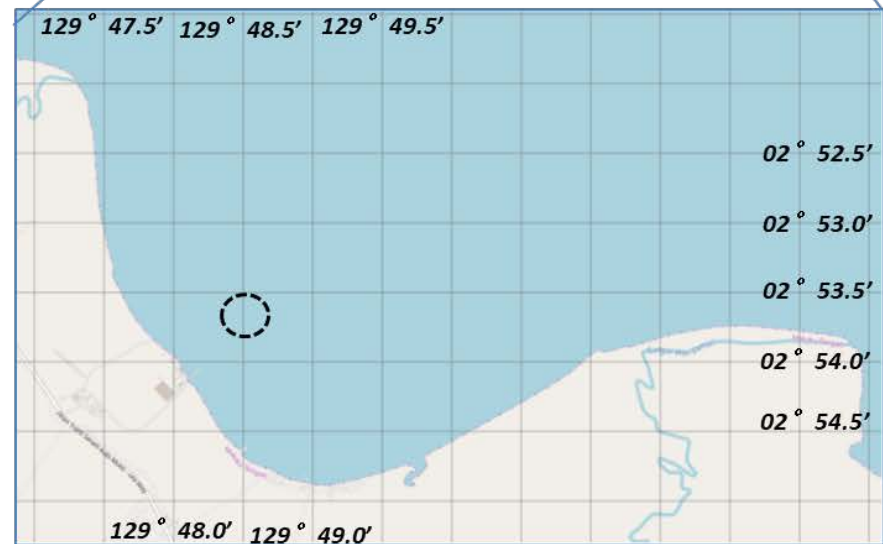
(03° 51'58.0" S 130° 53'54.0" E)



Planned AtoN (Lighthouse)

d Ramsu Waisikula

(02° 53' 40.6" S 129° 48' 35.0" E)



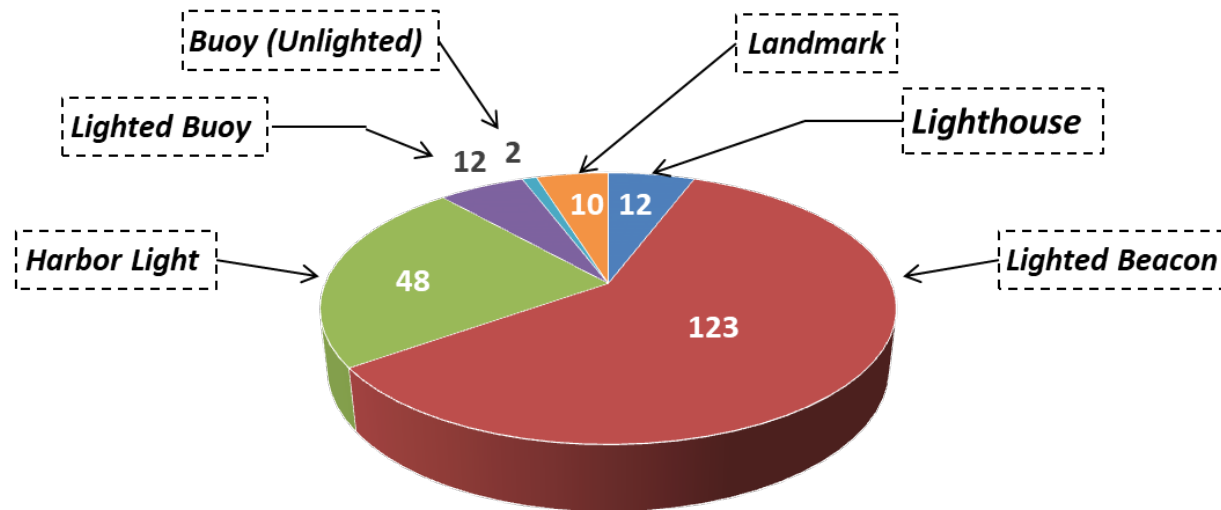
## 1-A Summary Table of Existing AtoN (Lighthouse)

### Existing AtoN (Lighthouse)

- |                  |                  |
|------------------|------------------|
| 1 Tg. Nusaniwe   | 7 Tg. Akelamo    |
| 2 Pulau May      | 8 Pulau Lawin    |
| 3 Tg. Bartutui   | 9 Tg. Babo       |
| 4 Pulau Fogi     | 10 Tg. Sopi      |
| 5 Tg. Waka       | 11 Pulau Suanggi |
| 6 Tg. Dehekalano | 12 Pulau Yiew    |

**AtoN Total : 207**

**Lighthouse : 12, Lighted Beacon : 123, Harbor Light : 48,  
Lighted Buoy : 12, Buoy (Unlighted) : 2, Landmark : 10**

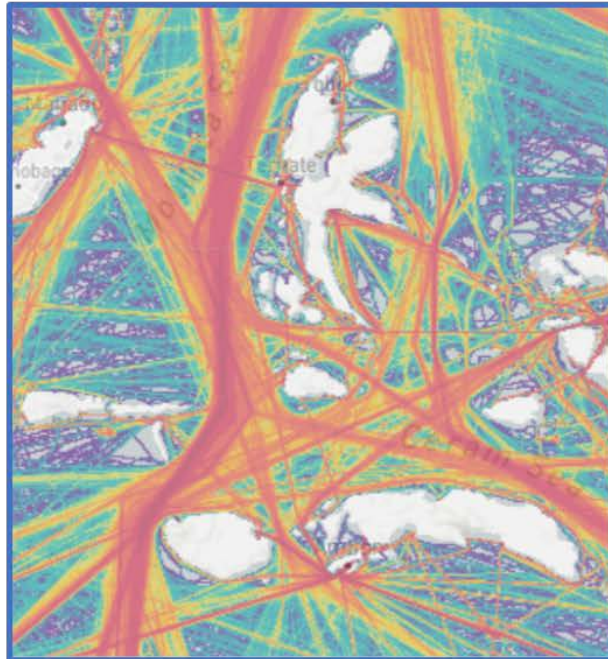


## 1-B Outline Map of Existing AtoN

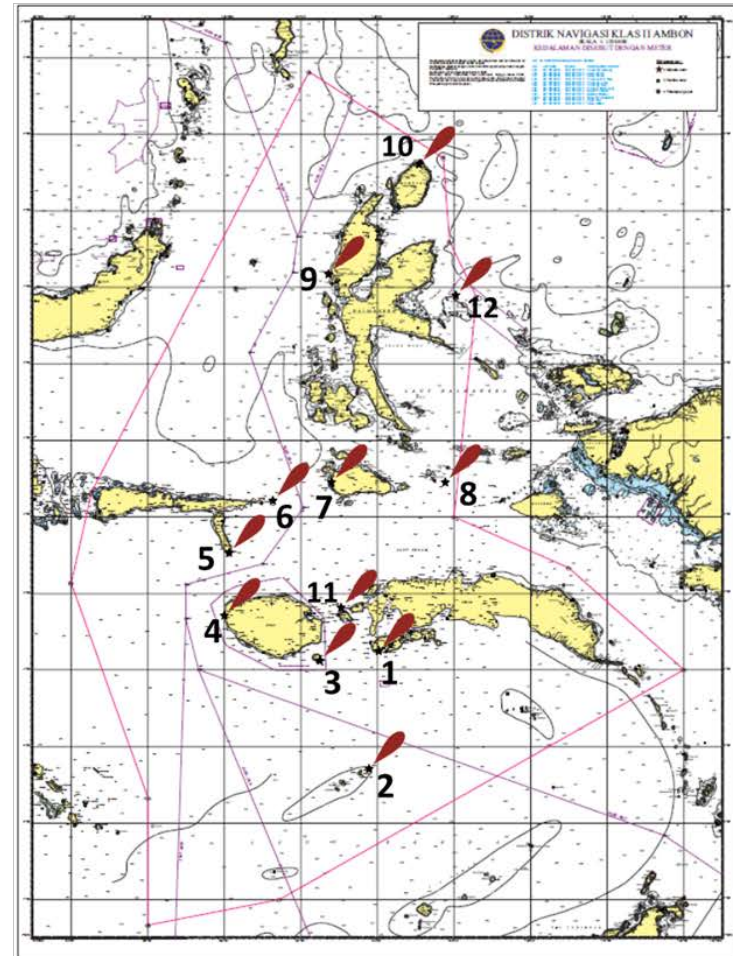
### 21 Ambon ( I )

#### Existing AtoN (Lighthouse)

- |                  |                  |
|------------------|------------------|
| 1 Tg.Nusaniwe    | 7 Tg. Akelamo    |
| 2 Pulau May      | 8 Pulau Lawin    |
| 3 Tg Bartutui    | 9 Tg. Babo       |
| 4 Pulau Fogi     | 10 Tg. Sopi      |
| 5 Tg. Waka       | 11 Pulau Suanggi |
| 6 Tg. Dehekalano | 12 Pulau Yiew    |



Location Map (Lighthouse)





## Existing AtoN (Lighthouse)

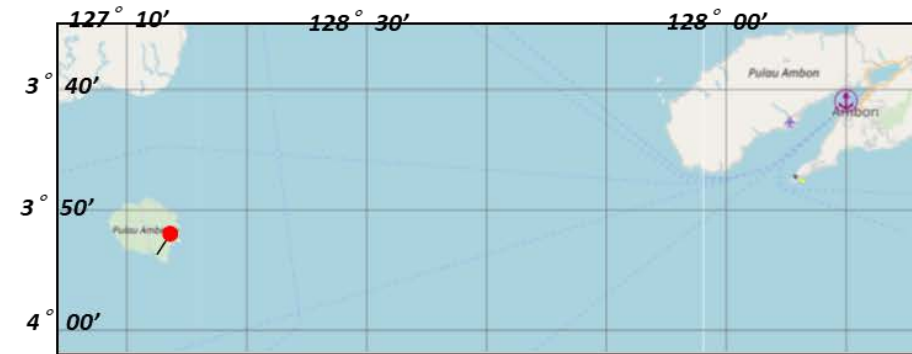
### 1 Tg.Nusaniwe

(03° 47' 12.2292"S 128° 05' 43.9155"E)



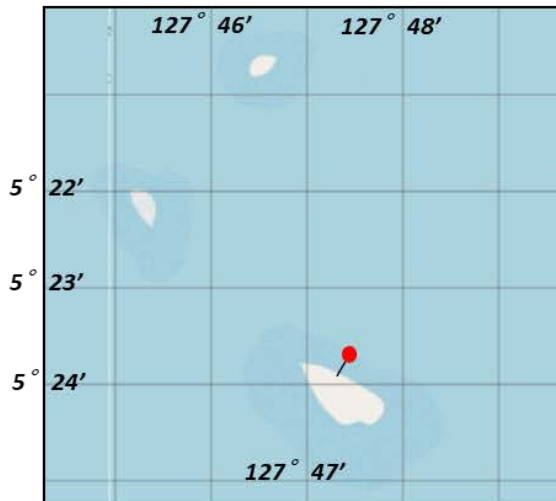
### 3 Tg Bartutui

(03° 54' 11.22709"S 127° 12' 49.3582"E)



### 2 Pulau May

(05° 23' 56.33834"S 127° 47' 20.52030"E)



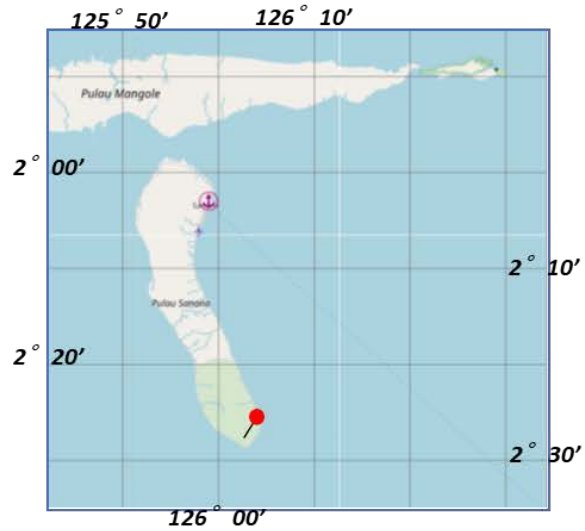
### 4 Pulau Fogi

(03° 17' 21.13175"S 125° 59' 52.77737"E)



### 5 Tg. Waka

( 02° 28' 32.43143"S 126° 02' 57.64004"E )



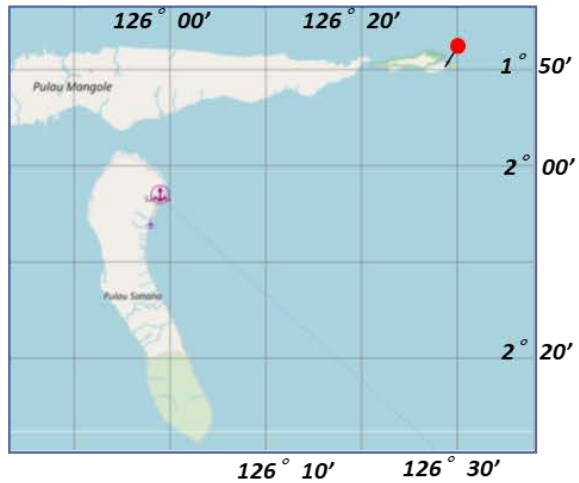
### 7 Tg. Akelamo

( 01° 39' 40.12259"S 127° 24' 31.58829"E )



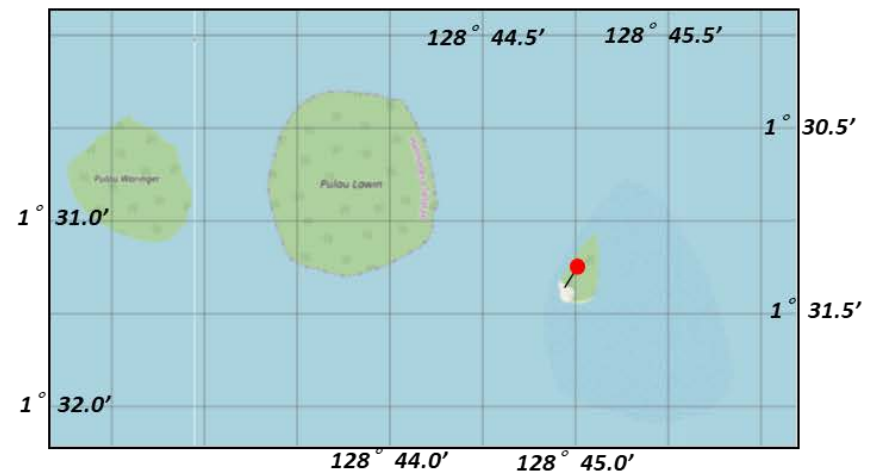
### 6 Tg. Dehekalano

( 01° 49' 14.46661"S 126° 29' 06.27161"E )



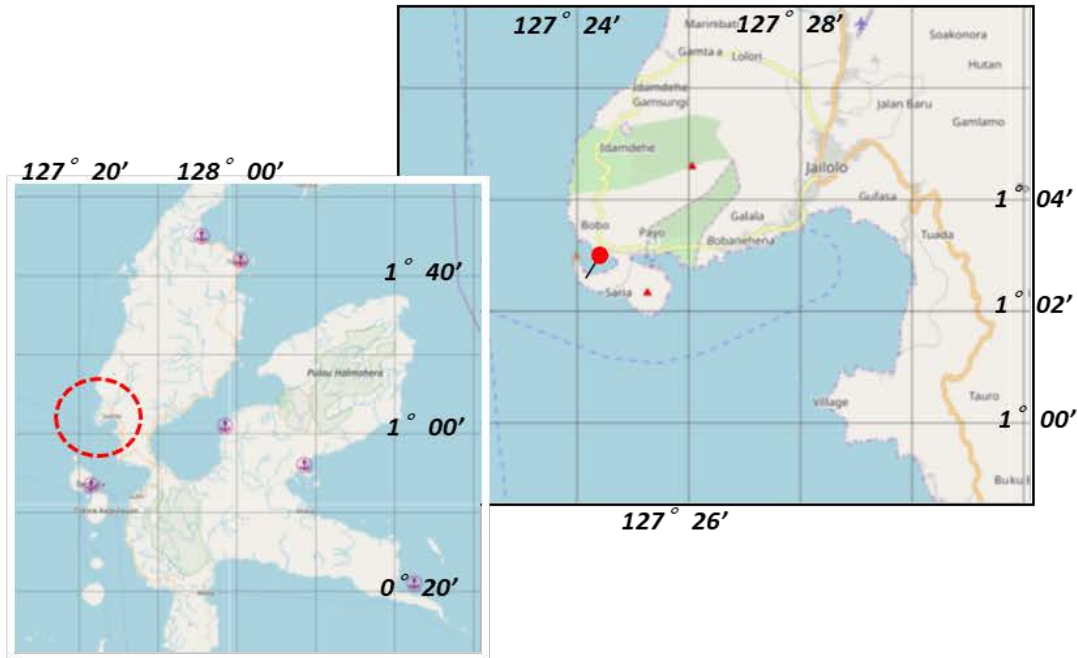
### 8 Pulau Lawin

( 01° 31' 23.22430"S 128° 44' 58.47036"E )



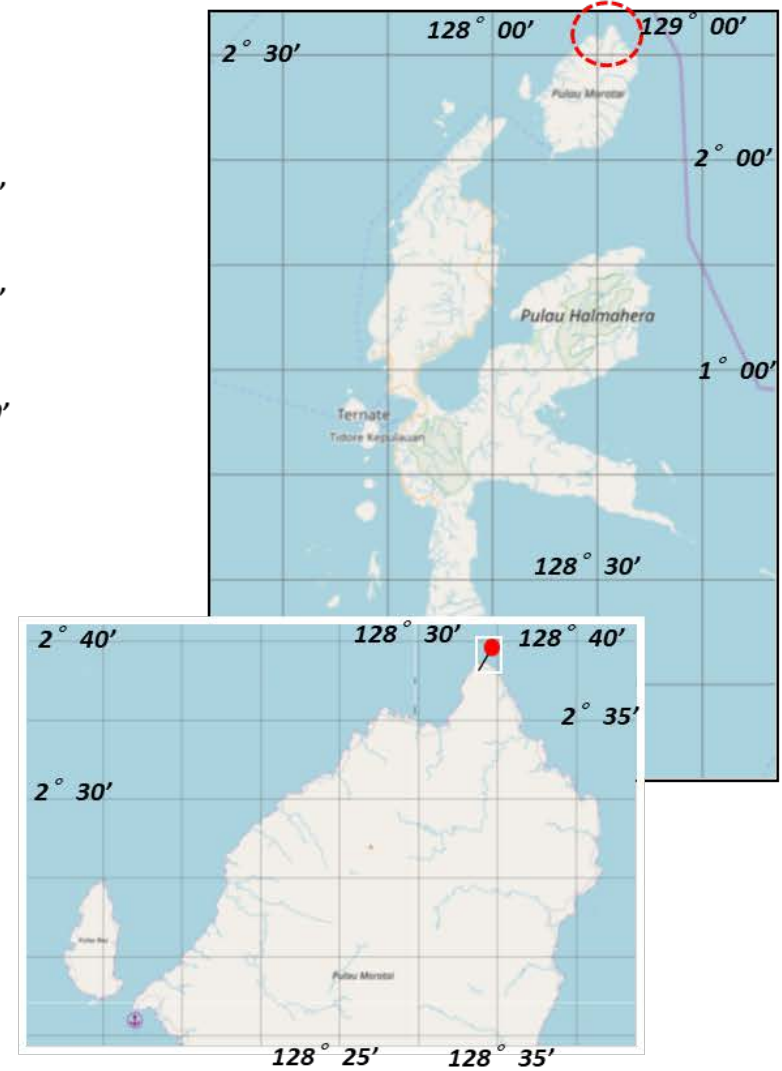
## 9 Tg. Babo

( $01^{\circ} 02' 31.62594''\text{N}$   $127^{\circ} 24' 28.05895''\text{E}$ )



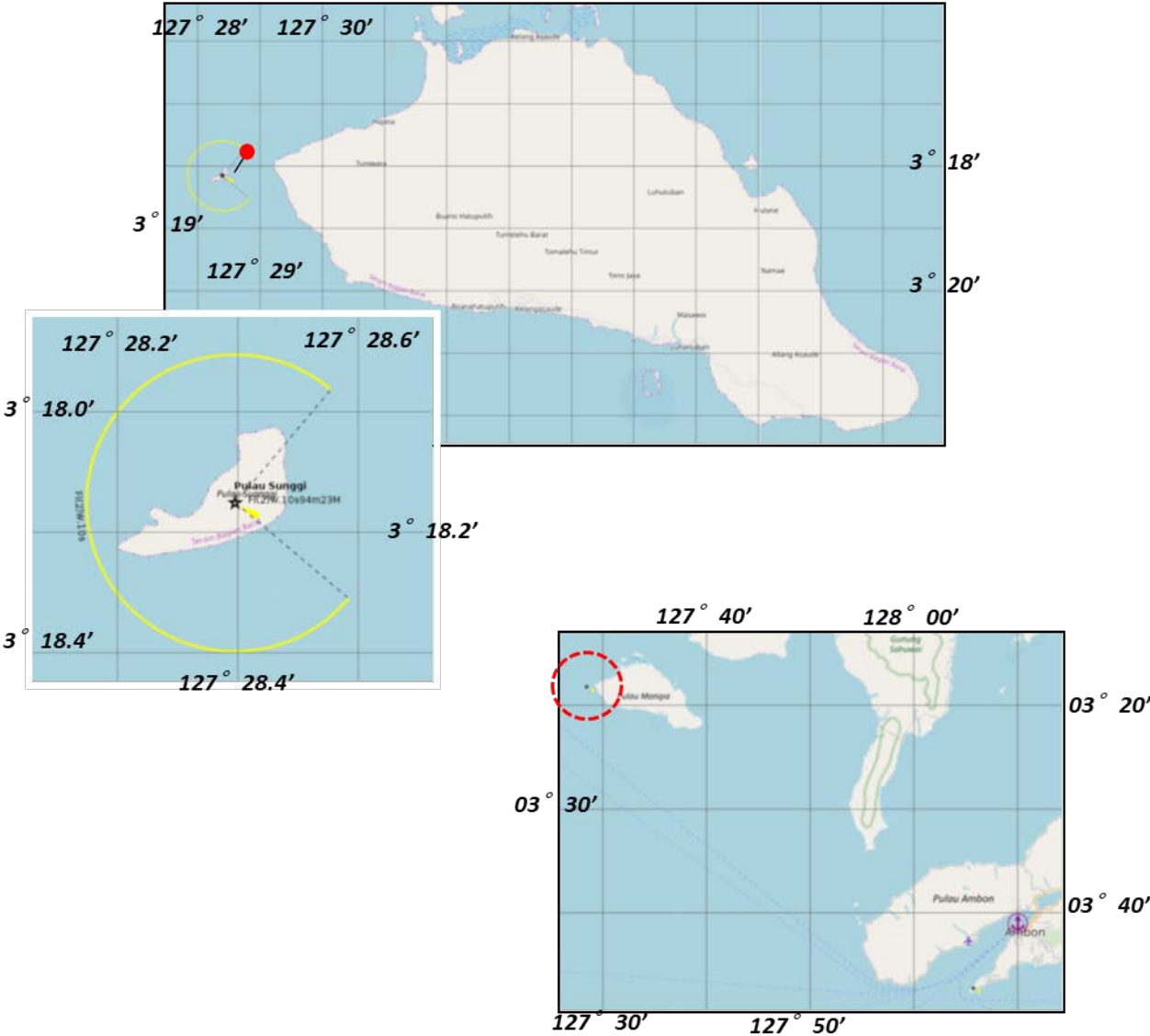
## 10 Tg. Sopi

( $02^{\circ} 38' 38.09698''\text{N}$   $128^{\circ} 33' 53.40696''\text{E}$ )



# 11 Pulau Suanggi

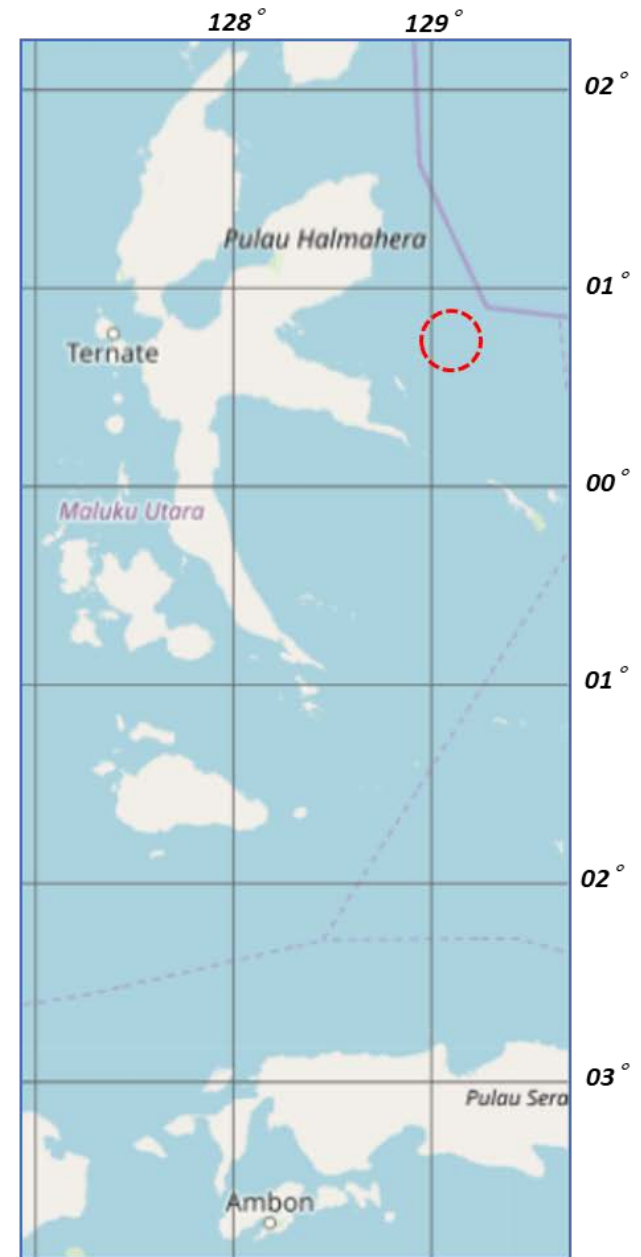
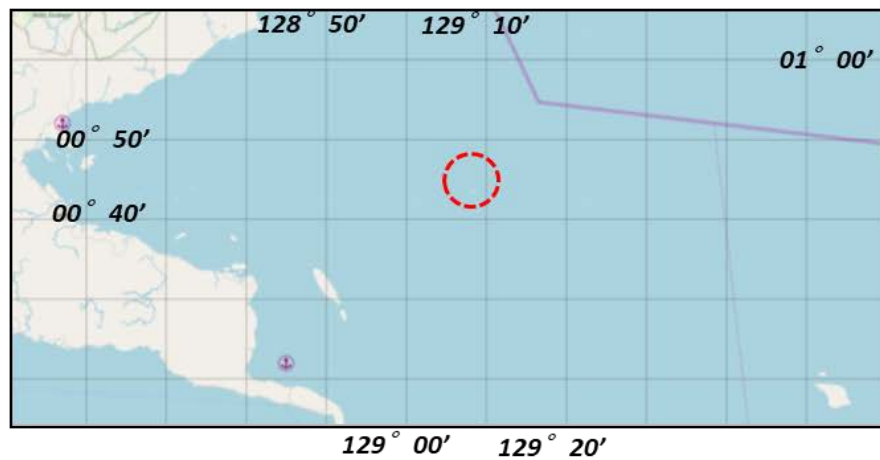
( 03° 18.150' S 127° 28.394' E )





## 12 Pulau View

( $00^{\circ} 43' 34.956''\text{N}$   $129^{\circ} 08' 11.754''\text{E}$ )



## Sheet ② Reporting Format for List of Existing AtoN

Name of Sea Area / Port : Wilayah Kerja Distrik Navigasi Kelas I Ambon  
 Nama Lokasi / Pelabuhan

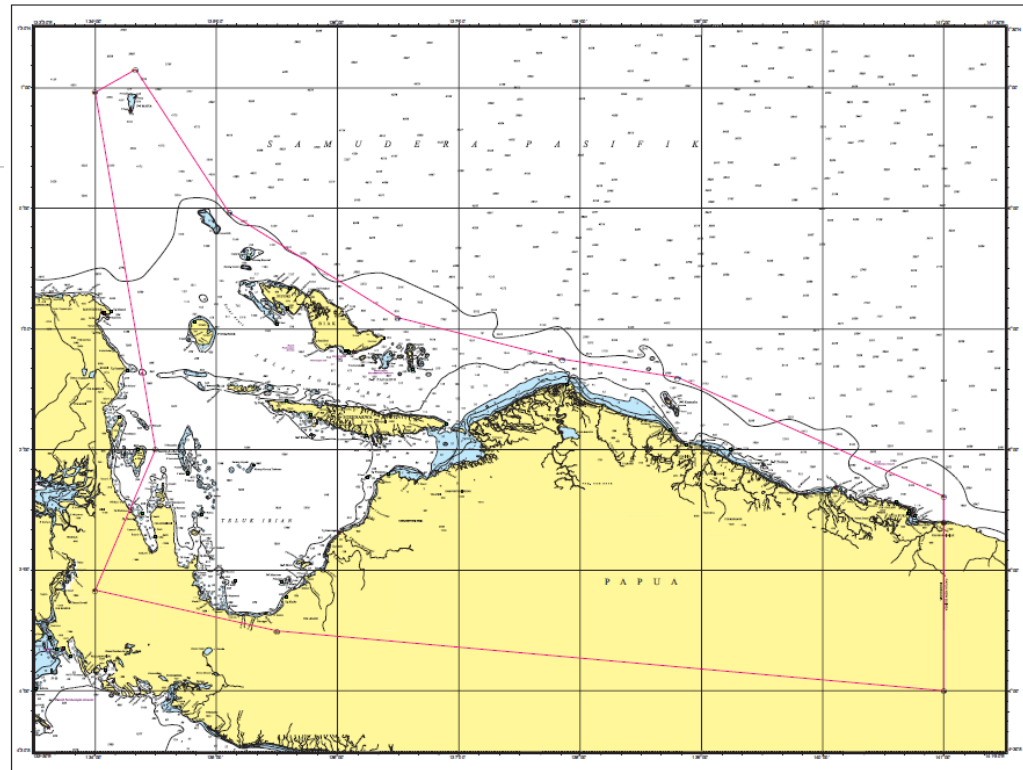
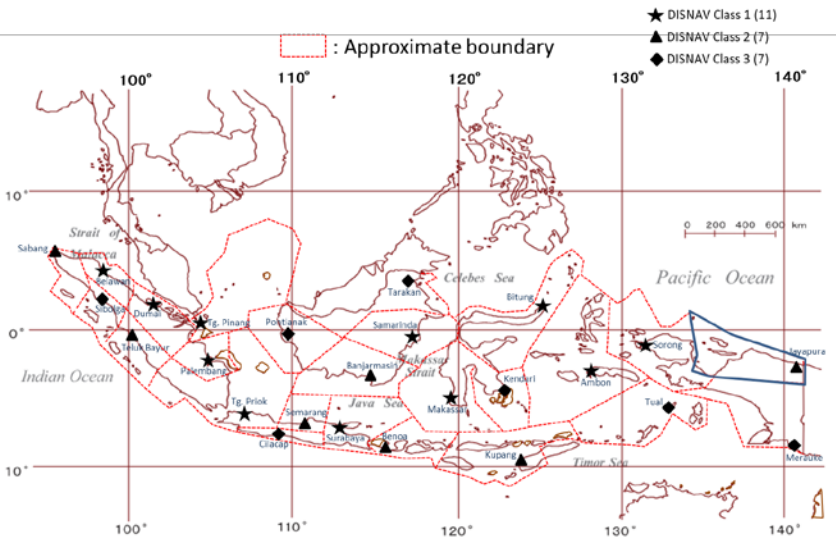
District : Ambon (21)

Chart No (Name) : 145, 146, 274, 275, 277, 385, 386, 387, 389, 390, 391, 397, 398, 399, 399A, 401, 402, 403, 404, 405, 406

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)			Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)		Type of Marks (Tipe dari Tanda)						Remarks (Catatan) Popular name (Nama Populer) (Fill out) (Diisi)	
	Name of AtoN (Nama AtoN)	Position (Posisi)		Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifika nsi)	Lateral (*5)	Cardinal (*6)	Special (*7) Khusus	Light Color (*8) (Warna)	Top Mark			
		Longitude Garis Bujur	Latitude Garis Lintang									Category (*9) Kategori	Shape (*10) Bentuk		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Tg.Nusaniwe	03°47' 12.2292" S	128°05'43.9155" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
2	Pulau May	05°23'56.33834" S	127°47'20.52030" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
3	Tg Bartutui	03°54'11.22709" S	127°12'49.3582" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
4	Pulau Fogi	03°17'21.13175" S	125°59'52.77737" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	hilang / robok
5	Tg. Waka	02°28'32.43143" S	126°02'57.64004" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
6	Tg. Dehekalano	01°49'14.46661" S	126°29'06.27161" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
7	Tg. Akelamo	01°39'40.12259" S	127°24'31.58829" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
8	Pulau Lawin	01°31'23.22430" S	128°44'58.47036" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
9	Tg. Babo	01°02'31.62594" N	127°24'28.05895" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
10	Tg. Sopi	02°38'38.09698" N	128°33'53.40696" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
11	Pulau Suanggi	03°54'11.22709" S	127°12'49.3582" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	-
12	Pulau Yiew	00°43'34.956" N	129°08'11.754" E	Lighthouse	Landfall Light	Offshore waters (Perairan Lepas Pantai)	Category 3 (Necessary/ Perlu)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	Not Applicable (n/a) (Tidak Berlaku)	White (Putih)	6 Applicable (n/a)	Not 6 (n/a) Tidak berlaku	Not Applicable (n/a) Tidak berlaku	Remarks (Catatan) Rusak berat

# 23 DISNAV Jayapura

## Outline of DISNAV Service Area



## 1-A Summary Table for Planned AtoN

23 DISNAV Jayapura

No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
1	Jayapura	1	Rambu Suar Hijau Tg. Kayu Batu	02 32 20.63 S	140 44 52.02 E	Lighted Beacon	Medium-range Light
		2	Rambu Suar Hjiu Tg. Suaja	02 32 07.55 S	140 43 30.95 E	"	"
		3	Pelampung Suar MPMT	02 32 40.87 S	140 44 44.94 E	Lighted Buoy	Short-range Light
2	Depapre	4	Menara Suar Tg. Tanah Merah	02 24 00.65 S	140 20 52.35 E	Lighthouse	Long-range Light
		5	Rambu Suar Hijau 01 Alur Plb Depapre	02 26 41.80 S	140 21 23.60 E	Lighted Beacon	Medium-range Light
		6	Rambu Suar Merah 02 Alur Plb Depapre	02 24 09.74 S	140 20 33.48 E	"	"
		7	Rambu Suar Hijau 03 Alur Plb Depapre	02 26 58.50 S	140 21 35.50 E	"	"
		8	Rambu Suar Merah 04 Alur Plb Depapre	02 26 33.80 S	140 21 56.41 E	"	"
		9	Rambu Suar Merah 06 Alur Plb Depapre	02 27 13.08 S	140 22 08.48 E	"	"
		10	Rambu Suar Penuntun 01 Alur Plb Depapre	02 26 33.85 S	140 22 03.12 E	"	"



No	Area	Planned AtoN				Reference (Purpose)	
		No	Name	Location			Type
				Latitude	Longitude		
2	Depapre	11	Rambu Suar Penuntun 02 Alur Plb Depapre	02 26 40.98 S	140 22 09.64 E	Lighted Beacon	Medium-range Light
3	Samabusa	12	Pelampung Suar Hijau 03 Alur Plb Nabire	03 14 00.16 S	135 34 42.24 E	Lighted Buoy	Short-range Light
		13	Emergency Wreck Bouy 01 Alur Plb Nabire	03 13 41.62 S	135 34 48.86 E	"	"
		14	Emergency Wreck Bouy 02 Alur Plb Nabire	03 14 02.15 S	135 34 53.25 E	"	"
4	Serui	16	Pelampung Suar Hijau 03 Alur Plb Serui	01 53 31.18 S	136 15 04.19 E	Lighted Buoy	Short-range Light
		17	Rambu Suar Merah 04 Alur Plb Serui	01 53 40.38 S	136 14 19.66 E	Lighted Beacon	Medium-range Light
		18	Rambu Suar Merah 06 Alur Plb Serui	01 53 27.14 S	136 14 30.28 E	"	"
		19	Pelampung Suar Cardinal Selatan Alur Plb Serui	01 53 14.31 S	136 14 49.57 E	Lighted Buoy	Short-range Light
5	Pulau Biak	15	Pelampung Suar Merah 04 Alur Plb Biak	01 11 29.06 S	136 04 25.55 E	Lighted Buoy	Short-range Light
		20	Pelampung Suar Hijau Alur Plb Korido	00 50 29.16 S	135 35 14.05 E	"	"
		21	Rambu Suar Cardinal Timur	00 52 50.48 S	135 33 40.47 E	Lighted Beacon	Medium-range Light

## 1-B Outline Map of Planned AtoN

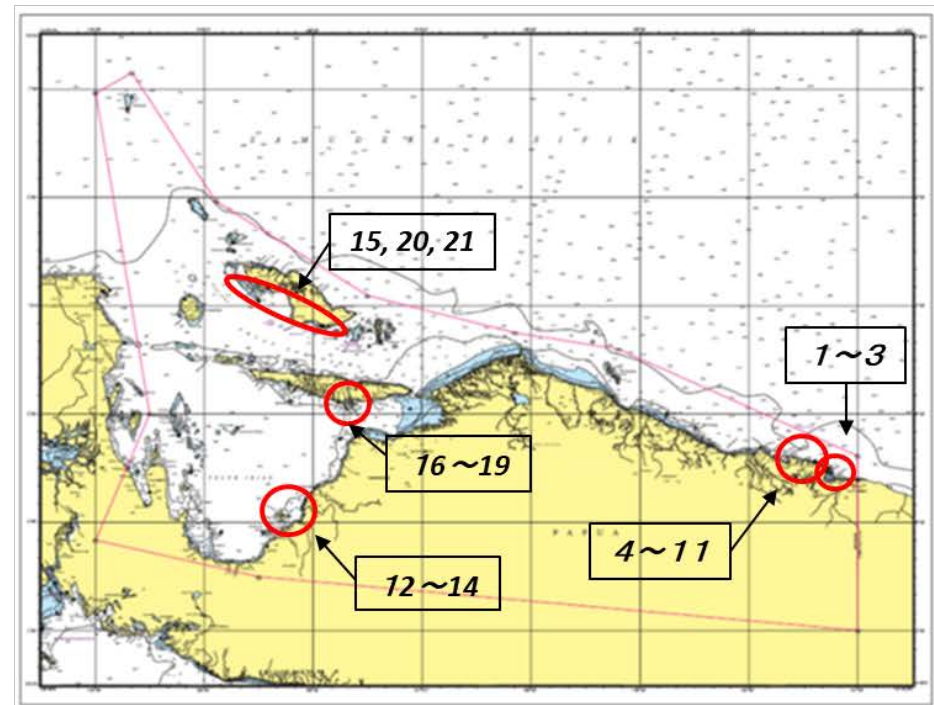
### 23 Jayapura ( II )

Planned AtoN

Total : 21 Lighthouse 1, Lighted Beacon 12, Lighted Buoy 8

Legend L : Lighthouse, LB : Lighted Beacon, Lbo : Lighted Buoy

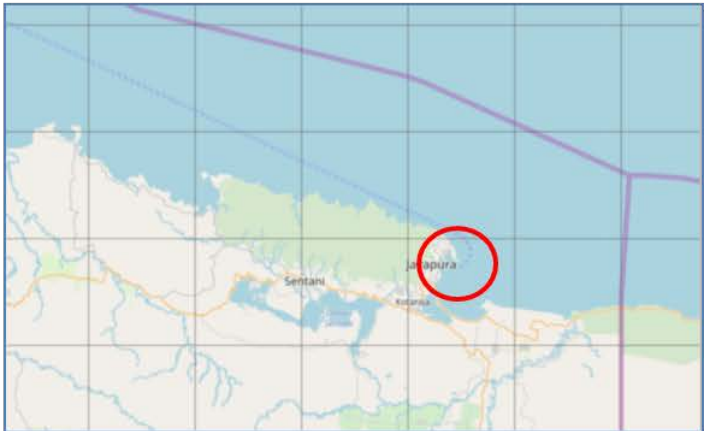
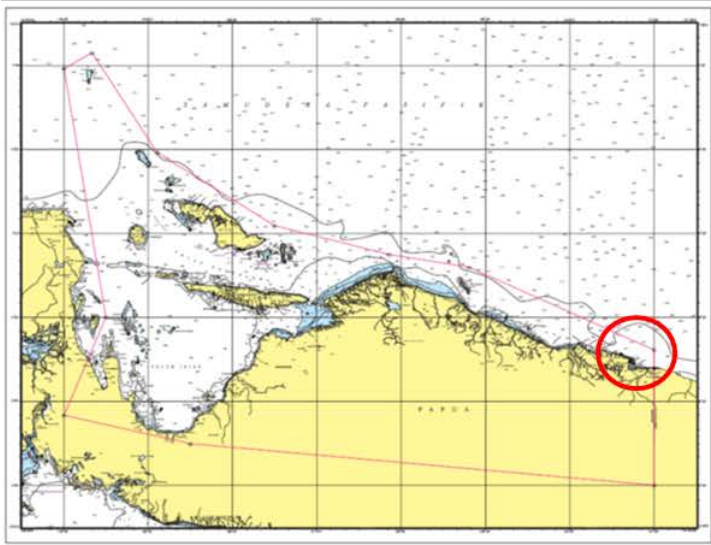
- 1 Rambu Suar Hijau Tg. Kayu Batu (LB)
- 2 Rambu Suar Hijau Tg. Suaja (LB)
- 3 Pelampung Suar MPMT (Lbo)
- 4 Menara Suar Tg. Tanah Merah (L)
- 5 Rambu Suar Hijau 01 Alur Plb Depapre (LB)
- 6 Rambu Suar Merah 02 Alur Plb Depapre (LB)
- 7 Rambu Suar Hijau 03 Alur Plb Depapre (LB)
- 8 Rambu Suar Merah 04 Alur Plb Depapre (LB)
- 9 Rambu Suar Merah 06 Alur Plb Depapre (LB)
- 10 Rambu Suar Penuntun 01 Alur Plb Depapre (LB)
- 11 Rambu Suar Penuntun 02 Alur Plb Depapre (LB)
- 12 Pelampung Suar Hijau 03 Alur Plb Nabire (Lbo)
- 13 Emergency Wreck Bouy 01 Alur Plb Nabire (Lbo)
- 14 Emergency Wreck Bouy 02 Alur Plb Nabire (Lbo)
- 15 Pelampung Suar Merah 04 Alur Plb Biak (Lbo)
- 16 Pelampung Suar Hijau 03 Alur Plb Serui (Lbo)
- 17 Rambu Suar Merah 04 Alur Plb Serui (LB)
- 18 Rambu Suar Merah 06 Alur Plb Serui (LB)
- 19 Pelampung Suar Cardinal Selatan Alur Plb Serui (Lbo)
- 20 Pelampung Suar Hijau Alur Plb Korido (Lbo)
- 21 Rambu Suar Cardinal Timur (LB)



Planned AtoN

- 1 Rambu Suar Hijau Tg. Kayu Batu (LB)
- 2 Rambu Suar Hijau Tg. Suaja (LB)
- 3 Pelampung Suar MPMT (LBo)

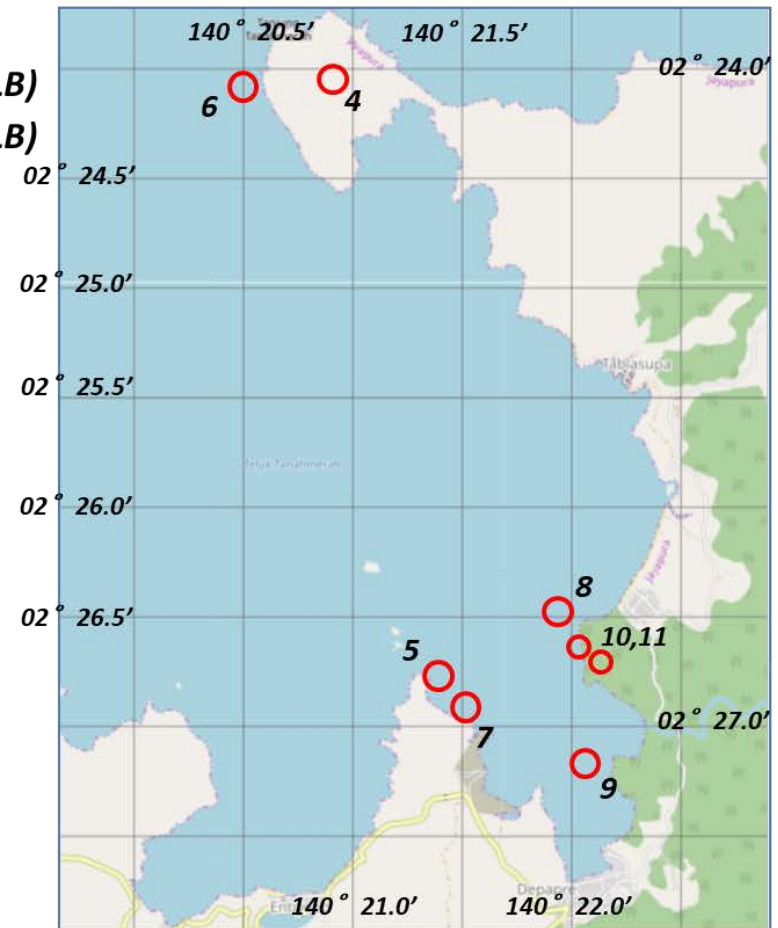
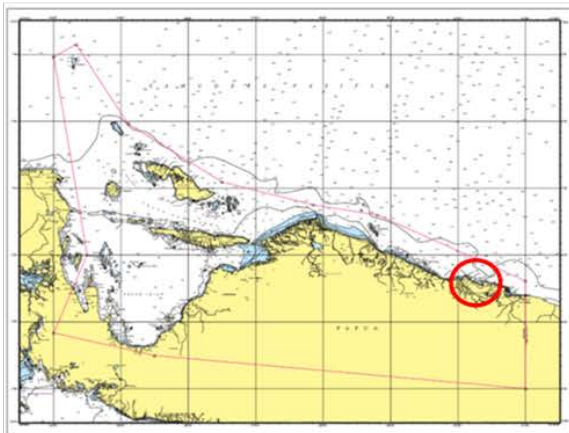
1	( 02 32 20.63 S	140 44 52.02 E )
2	( 02 32 07.55 S	140 43 30.95 E )
3	( 02 32 40.87 S	140 44 44.94 E )



## Planned AtoN

- 4 Menara Suar Tg. Tanah Merah (*L*)
- 5 Rambu Suar Hijau 01 Alur Plb Depapre (*LB*)
- 6 Rambu Suar Merah 02 Alur Plb Depapre (*LB*)
- 7 Rambu Suar Hijau 03 Alur Plb Depapre (*LB*)
- 8 Rambu Suar Merah 04 Alur Plb Depapre (*LB*)
- 9 Rambu Suar Merah 06 Alur Plb Depapre (*LB*)
- 10 Rambu Suar Penuntun 01 Alur Plb Depapre (*LB*)
- 11 Rambu Suar Penuntun 02 Alur Plb Depapre (*LB*)

4 ( 02 24 00.65 S 140 20 52.35 E )  
5 ( 02 26 41.80 S 140 21 23.60 E )  
6 ( 02 24 09.74 S 140 20 33.48 E )  
7 ( 02 26 58.50 S 140 21 35.50 E )  
8 ( 02 26 33.80 S 140 21 56.41 E )  
9 ( 02 27 13.08 S 140 22 08.48 E )  
10 ( 02 26 33.85 S 140 22 03.12 E )  
11 ( 02 26 40.98 S 140 22 09.64 E )

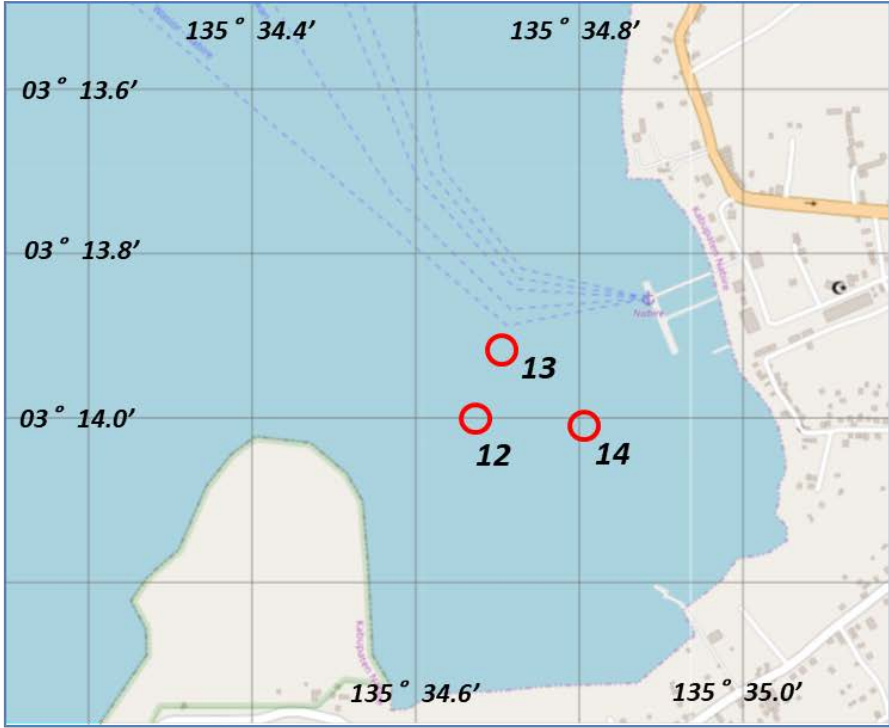
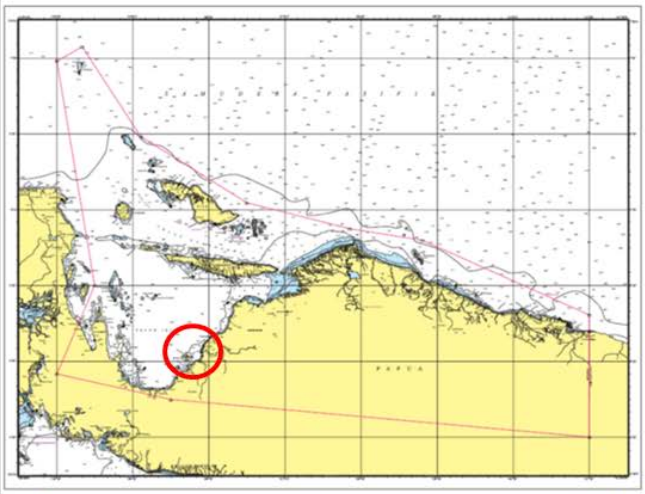




Planned AtoN

- 12 Pelampung Suar Hijau 03 Alur Plb Nabire (Lbo)
- 13 Emergency Wreck Bouy 01 Alur Plb Nabire (Lbo)
- 14 Emergency Wreck Bouy 02 Alur Plb Nabire (Lbo)

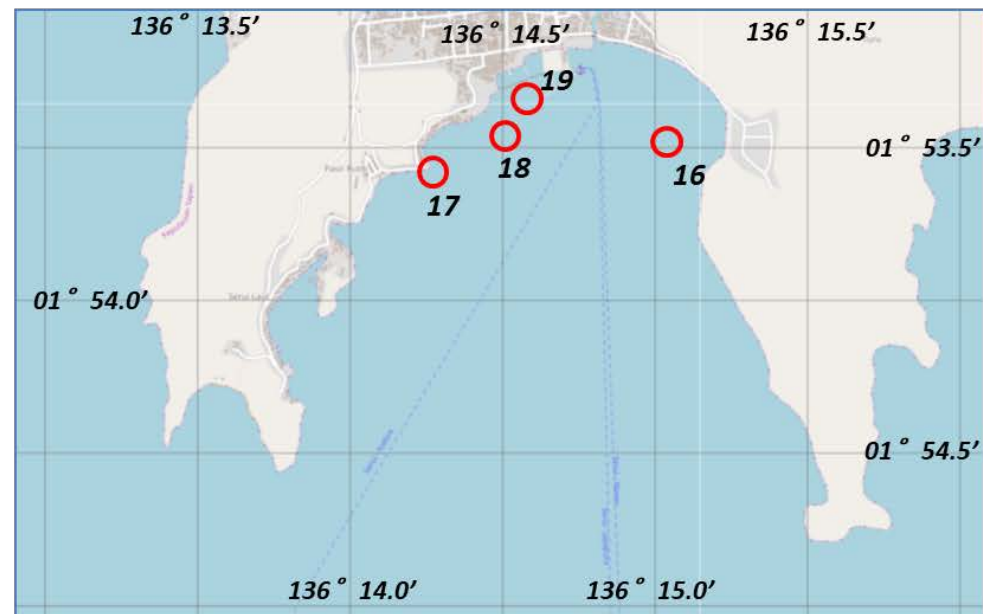
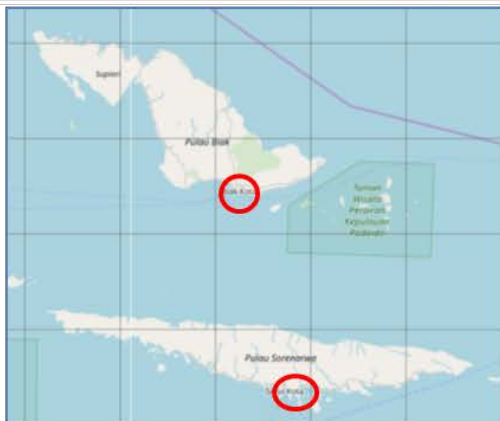
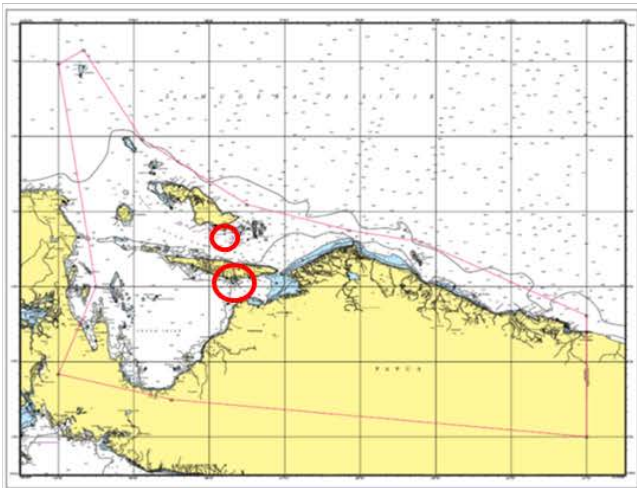
12 ( 03 14 00.16 S 135 34 42.24 E )
13 ( 03 13 41.62 S 135 34 48.86 E )
14 ( 03 14 02.15 S 135 34 53.25 E )



## Planned AtoN

- 15 Pelampung Suar Merah 04 Alur Plb Biak (*Lbo*)
- 16 Pelampung Suar Hijau 03 Alur Plb Serui (*Lbo*)
- 17 Rambu Suar Merah 04 Alur Plb Serui (*LB*)
- 18 Rambu Suar Merah 06 Alur Plb Serui (*LB*)
- 19 Pelampung Suar Cardinal Selatan Alur Plb Serui (*Lbo*)

15 ( 01 11 29.06 S 136 04 25.55 E )  
16 ( 01 53 31.18 S 136 15 04.19 E )  
16 ( 01 53 40.38 S 136 14 19.66 E )  
18 ( 01 53 27.14 S 136 14 30.28 E )  
19 ( 01 53 14.31 S 136 14 49.57 E )



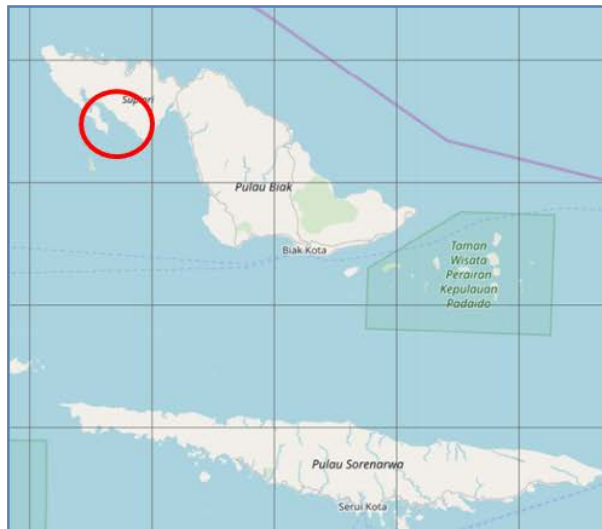
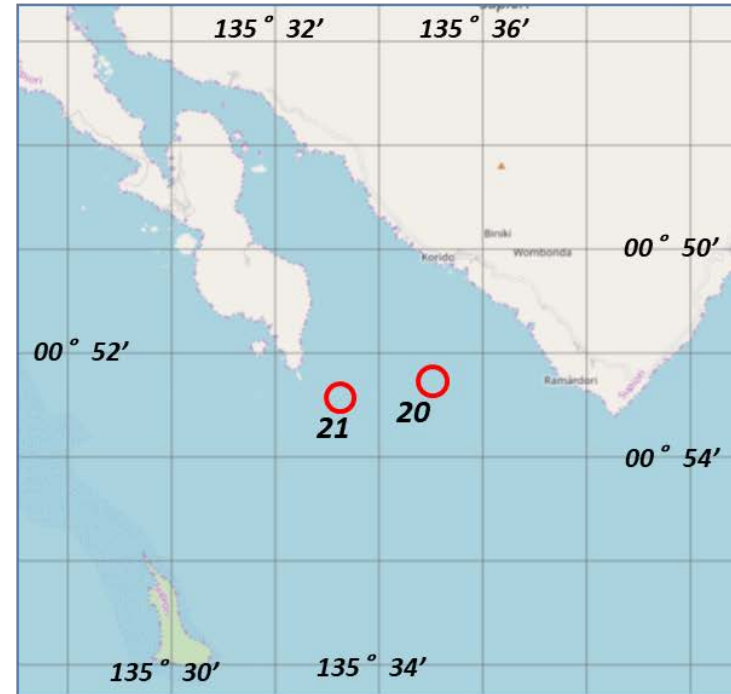
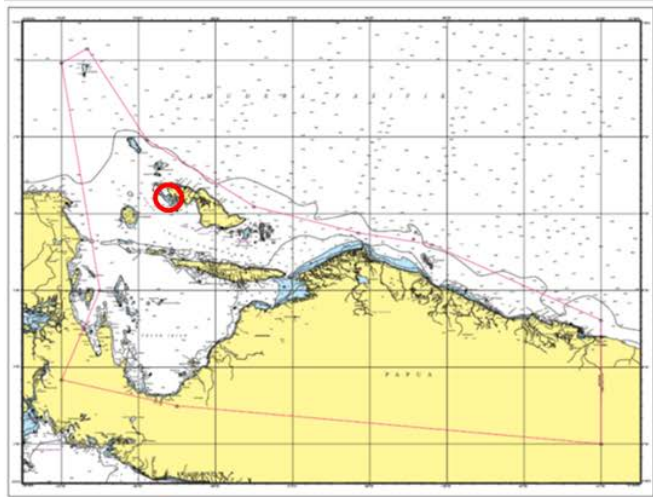
Planned AtoN

20 Pelampung Suar Hijau Alur Plb Korido (*Lbo*)

21 Rambu Suar Cardinal Timur (**LB**)

20 ( 00 50 29.16 S 135 35 14.05 E )

21 ( 00 52 50.48 S 135 33 40.47 E )



**Sheet ③ Reporting Format for List of Planned AtoN**  
**Lembar ③ (Format Pelaporan Daftar AtoN yang direncanakan)**

Name of Sea Area / Port : Fill Out (Diisi)

District : **Jayapura (23)**

Chart No (Name) : Fill Out (Diisi)

Reference Number (Nomor Referensi)	Location (Fill out) / Lokasi (Diisi)	Position (Posisi)		Aid (Tipe dan Spesifikasi Alat Bantu)		Category (Kategori)					Type of Marks (Tipe dari Tanda)		Remarks/Catatan		
		Name of AtoN (Nama AtoN)	Longitude	Latitude	Type (*1)	Specification (*2)	Sea Area (*3) (Area Laut)	Significance (*4) (Signifikansi)	Lateral (*5)	Cardinal (*6)	Special (*7)	Light Color (*8) (Warna lampu)		Top Marks	
														Category (*9)	Shape (*10)
1	Rambu Suar Hijau Tg. Kayu Batu	S 02-32-20.6314	E 140-44-52.0200	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
2	Rambu Suar Hijau Tg. Suaja	S 02-32-07.5506	E 140-43-30.9500	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
3	Pelampung Suar MPMT	S 02-32-40.8793	E 140-44-44.9486	Lighted Buoy	Short-range Light	Offshore waters (Perairan Lepas Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Safe Water Mark/Tanda Perairan Aman	Yellow (Kuning)	4 SAFE WATER MARKS	6 Not Applicable (n/a) / Tidak bertaku		
4	Menara Suar Tg. Tanah Merah	S 02-24-00.6500	E 140-20-52.3500	Lighthouse	Long-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	White (Putih)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
5	Rambu Suar Hijau 01 Alur Pib Depapre	S 02-26-41.8000	E 140-21-23.6000	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
6	Rambu Suar Merah 02 Alur Pib Depapre	S 02-24-09.7499	E 140-20-33.4810	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Red (Merah)	7 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
7	Rambu Suar Hijau 03 Alur Pib Depapre	S 02-26-58.5000	E 140-21-35.5000	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	8 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
8	Rambu Suar Merah 04 Alur Pib Depapre	S 02-26-33.8585	E 140-21-56.4160	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Red (Merah)	9 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
9	Rambu Suar Merah 06 Alur Pib Depapre	S 02-27-13.0811	E 140-22-08.4809	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Red (Merah)	10 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
10	Rambu Suar Penuntun 01 Alur Pib Depapre	S 02-26-33.8500	E 140-22-03.1200	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Dermaaga/Pelabuhan)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	White (Putih)	11 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
11	Rambu Suar Penuntun 02 Alur Pib Depapre	S 02-26-40.9800	E 140-22-09.6400	Lighted Beacon	Medium-range Light	Harbor/Port (Restricted area) (Dermaaga/Pelabuhan)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	White (Putih)	12 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
12	Pelampung Suar Hijau 03 Alur Pib Nabire	S 03-14-00.1670	E 135-34-42.2413	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	13 Not Applicable (n/a)	1-3) Single green cone, point upwards / Kenuat hijau tunggal, mengarah ke atas		
13	Emergency Wreck Bouy 01 Alur Pib Nabire	S 03-13-41.6270	E 135-34-48.8617	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Special Marks (Wreck Marking)/Tanda Khusus (Penandaan Rusak/Rongsokan)	Yellow (Kuning)	6 Not Applicable (n/a)	5-1) Single yellow 'X' shape (St Andrew's Cross) / Bertuk 'X' kuning tunggal (St Andrew's Cross)		
14	Emergency Wreck Bouy 02 Alur Pib Nabire	S 03-14-02.1567	E 135-34-53.2574	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Special Marks (Wreck Marking)/Tanda Khusus (Penandaan Rusak/Rongsokan)	Yellow (Kuning)	6 Not Applicable (n/a)	5-1) Single yellow 'X' shape (St Andrew's Cross) / Bertuk 'X' kuning tunggal (St Andrew's Cross)		
15	Pelampung Suar Merah 04 Alur Pib Bak	S 01-11-29.0674	E 136-04-25.5595	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Red (Merah)	6 Not Applicable (n/a)	1-1) Single red cylinder (can) / Silinder merah tunggal (kalena)		
16	Pelampung Suar Hijau 03 Alur Pib Serui	S 01-53-31-1826	E 136-1504.1997	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	6 Not Applicable (n/a)	1-3) Single green cone, point upwards / Kenuat hijau tunggal, mengarah ke atas		
17	Rambu Suar Merah 04 Alur Pib Serui	S 01-53-40.3815	E 136-14-19.6658	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Red (Merah)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
18	Rambu Suar Merah 06 Alur Pib Serui	S 01-53-27.1453	E 136-14-30.2881	Lighted Beacon	Medium-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Red (Merah)	6 Not Applicable (n/a)	6 Not Applicable (n/a) / Tidak bertaku		
19	Pelampung Suar Cardinal Selatan Alur Pib Serui	S 01-53-14.3194	E 136-14-49.5726	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	South (Selatan)	Not Applicable (n/a) (Tidak Bertaku)	Yellow (Kuning)	2 CARDINAL MARKS	2-3) 2 black cones, one above the other, points downward / 2 Kenuat hitam, satu di atas lainnya, mengarah ke bawah		
20	Pelampung Suar Hijau Alur Pib Korido	S 0-50-29.1637	E 135-35-14.0500	Lighted Buoy	Short-range Light	Coastal waters (Perairan Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	Not Applicable (n/a) (Tidak Bertaku)	Not Applicable (n/a) (Tidak Bertaku)	Green (Hijau)	6 Not Applicable (n/a)	1-3) Single green cone, point upwards / Kenuat hijau tunggal, mengarah ke atas		
21	Rambu Suar Cardinal Timur	S 0-52-50.4826	E 135-33-40.4790	Lighted Beacon	Medium-range Light	Offshore waters (Perairan Lepas Pantai)	Category 2 (Important/Penting)	Preferred Channel of Starboard (Kanal Pilihan Starboard)	East (Timur)	Not Applicable (n/a) (Tidak Bertaku)	Yellow (Kuning)	2 CARDINAL MARKS	2-1) 2 black cones, one above the other, pointing upward / 2 Kenuat hitam, satu di atas lainnya, mengarah ke atas		



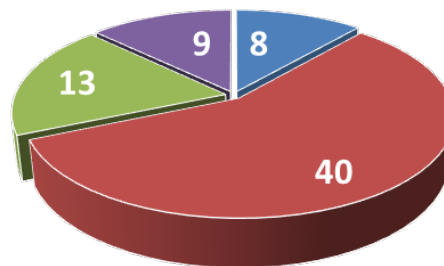
## 1-A Summary Table for Existing AtoN

### 23 Jayapura ( II )

#### Existing Lighthouse

1 Tanjung Suaja	
2 Oinake Perbatasan RI-PNG	1 ( 02 ° 32' 02.37" S 140 ° 44' 41.61 E )
3 Teluk Materer Demta	2 ( 02 ° 36' 26.31" S 140 ° 00' 04.96 E )
28 Isyuma Pulau Liki	3 ( 02 ° 19' 10.90" S 140 ° 06' 48.11 E )
40 Mokmer Biak	28 ( 01 ° 34' 50.82" S 138 ° 42' 59.67 E )
51 Tg. Pegun Pulau Mapia	40 ( 01 ° 11' 38.07" S 136 ° 08' 18.13 E )
52 Pulau Brass	51 ( 00 ° 48' 20.72" N 134 ° 18' 02.99 E )
68 Karang Semi	52 ( 00 ° 55' 35.71" N 134 ° 20' 18.06 E )
	68 ( 02 ° 41' 44.42" S 136 ° 01' 08.48 E )

*Existing AtoN (Total : 70) Lighthouse : 8, Lighted Beacon : 40, Lighted Buoy : 13, Harbor Light : 9*



■ Lighthouse
 ■ Lighted Beacon
 ■ Lighted Buoy
 ■ Harbor Light

## 1-B Outline Map of Existing AtoN

### 23 Jayapura ( II )

Existing Lighthouse

- 1 Tanjung Suaja
- 2 Oinake Perbatasan RI-PNG
- 3 Teluk Materer Demta
- 28 Isyuma Pulau Liki
- 40 Mokmer Biak
- 51 Tg. Pegun Pulau Mapia
- 52 Pulau Brass
- 68 Karang Semi

