

PUSHIDROS TNI AL

Indonesian Hydrographic
Data Center (IHDC)

IHDC **for Safety Navigation Information**

MSDI WG -13
Cmdr. Agus Sutrianto
Singapore, 9 May 2022

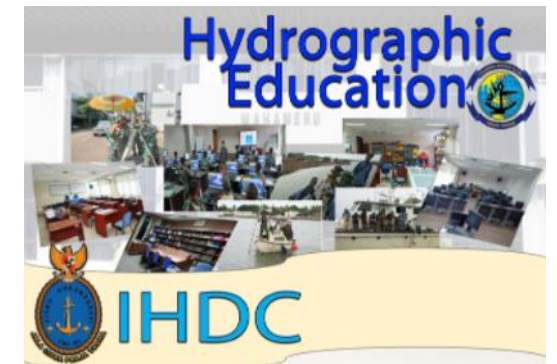
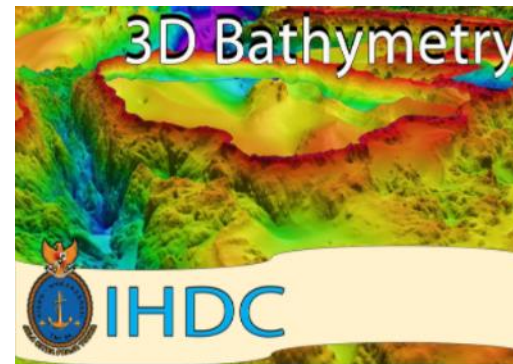


OUTLINE

1. General of IHDIC;
2. Collaboration Spatial Data (National Governance);
3. Maritime Safety Information;
4. Sharing as well as Overlay Data; and
5. Planning For The Future.

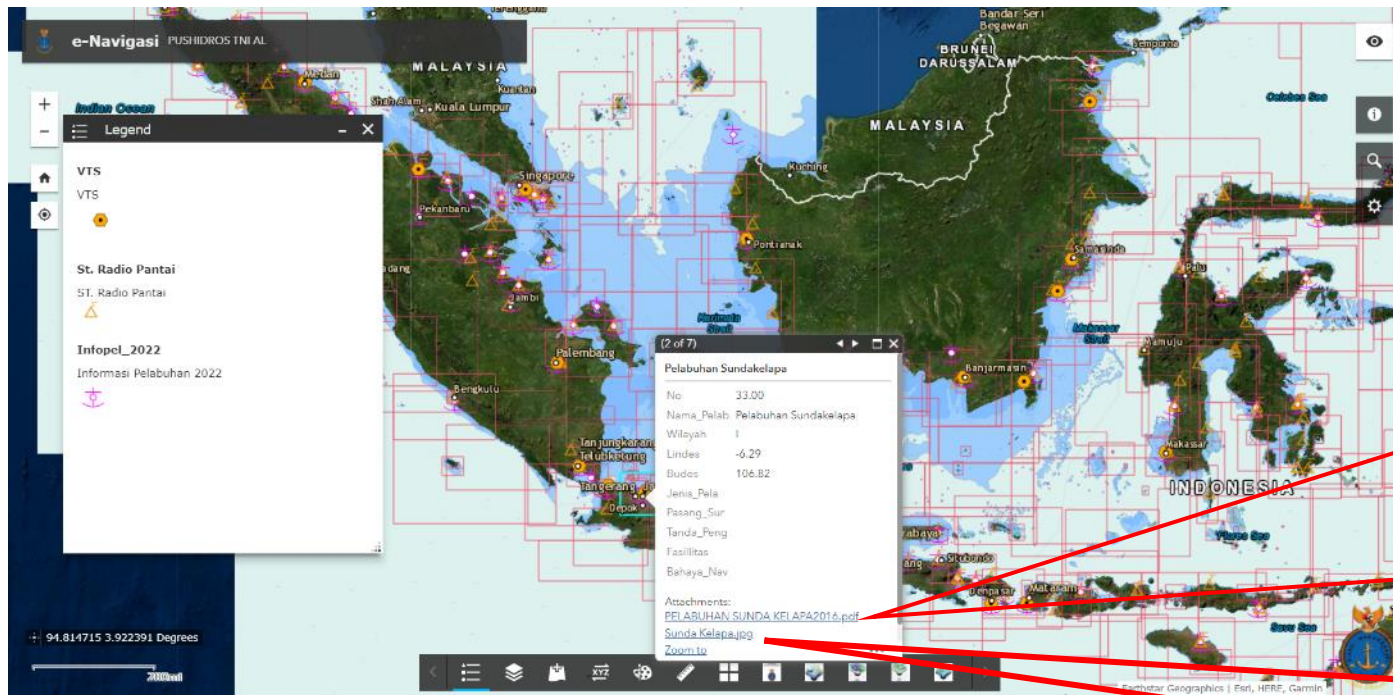


1. General of IHDC



2. Collaboration Spatial Data (National Governance)

a. Director General of Sea Transportation (DGST)



1. Informasi Umum

Pelabuhan Sunda kelapa terletak di teluk Jakarta ± 8 Km di sebelah Barat Tanjung Priok. Pelabuhan Sunda Kelapa merupakan pelabuhan kelas III di bawah otoritas Pelindo II Cabang Sunda Kelapa.

2. Hidrografi

Pantai sekitar Pelabuhan Sunda Kelapa adalah landai. Dasar lautnya baik yang di luar maupun di dalam pelabuhan adalah lumpur. Kedalaman air dalam pelabuhan 1- 3 meter. Sepanjang alur masuk pelabuhan dibatasi dengan beton (pier).^{1,2}

3. Topografi

Pelabuhan ini terletak di dataran rendah pantai. Lebar daratan ini mencapai kurang lebih 40 km ke Selatan yang bersambung dengan puing kipas dari gunung-gunung berapi Salak, Gede dan Pangrango. Gunung-gunung berapi ini tampak dari laut apabila udara cerah. Di atas dataran ini terdapat pematang pantai memanjang, yang kebanyakan arahnya Barat Timur, tetapi pada umumnya pematang pantai ini sudah tidak tampak lagi karena tertutup oleh perkampungan, dataran rendah ini merupakan tanah endapan di atas batuan lipatan. Puing kipas berasal dari abu gunung berapi di sebelah Selatan menyebar ke Utara sampai kedataran endapan ini. Gunung api Salak merupakan gunung api yang berdiri sendiri tetapi gunung Api Gede Pangrango yang terdapat di sebelah Timurnya merupakan gunung api kembar.

4. Pasang Surut

Sifat Pasut adalah Hariar tunggal dimana dalam satu hari hanya terjadi satu kali air tinggi dan satu kali air rendah. Tunggang air rata-rata pada pasang perbani sebesar 86 cm, Tunggang air rata-rata pada pasang mati adalah 26 cm. Muka surutan 60 cm dibawah Duduk Tengah.

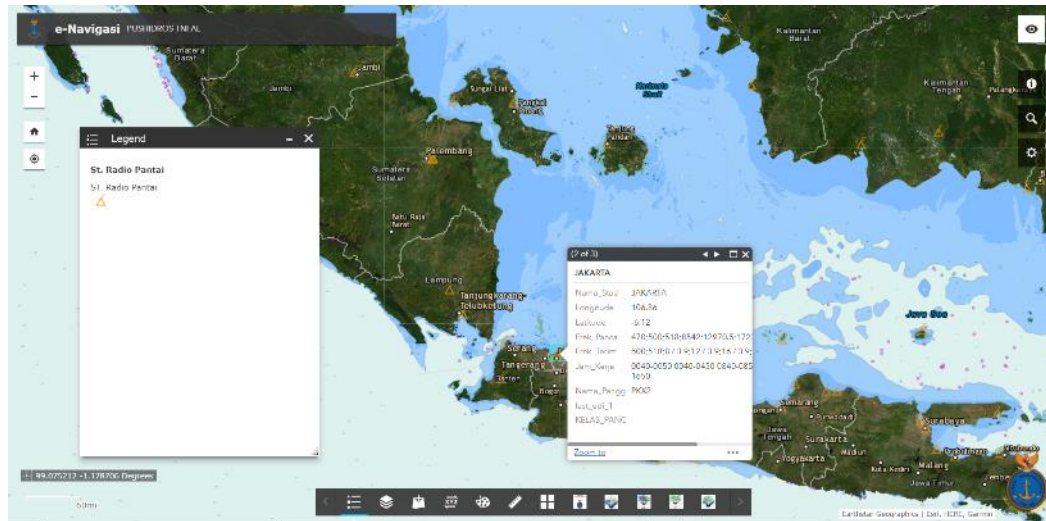
5. Arus

Posisi stasion di Tower : 05°54'34".45 S - 107°00'14".2 T, kecepatan maximum arus umum mencapai 1 knot dengan arah 050° yang terjadi pada waktu surut. Arus bukan pasut mempunyai kecepatan sekitar 0,3 knot dengan arah 045°. Kecepatan Arus pasut mencapai 1,1 knot pada waktu pasang perbani, dengan arah sekitar 050° pada waktu surut dan sekitar 230° pada waktu pasang.

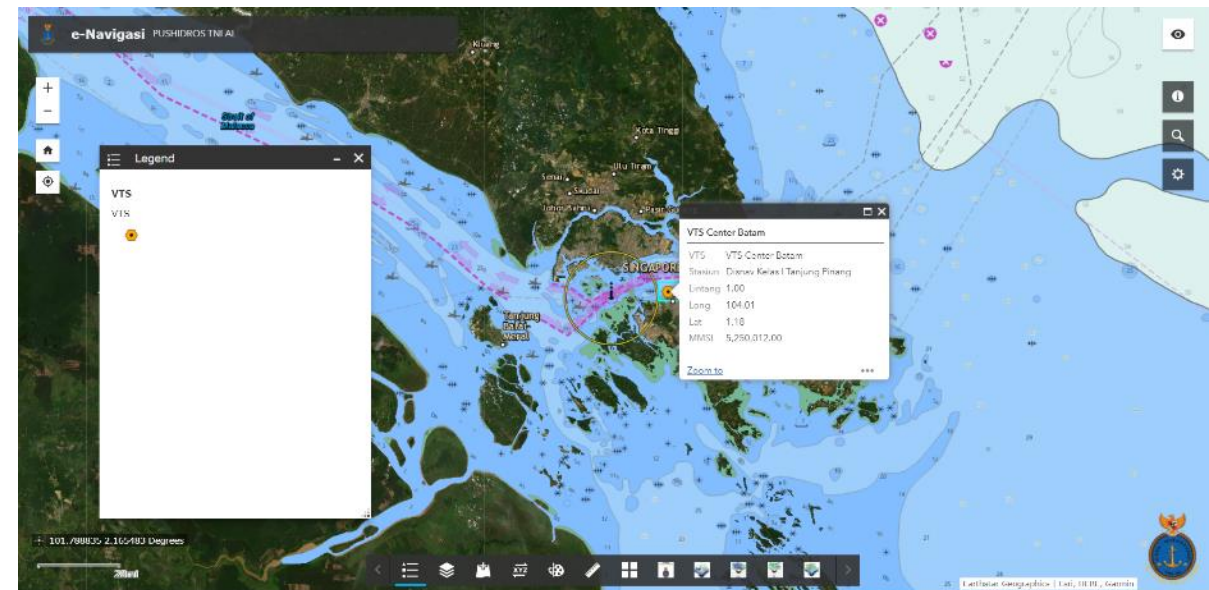


PORT AUTHORITY INFORMATION

COASTAL RADIO STATION

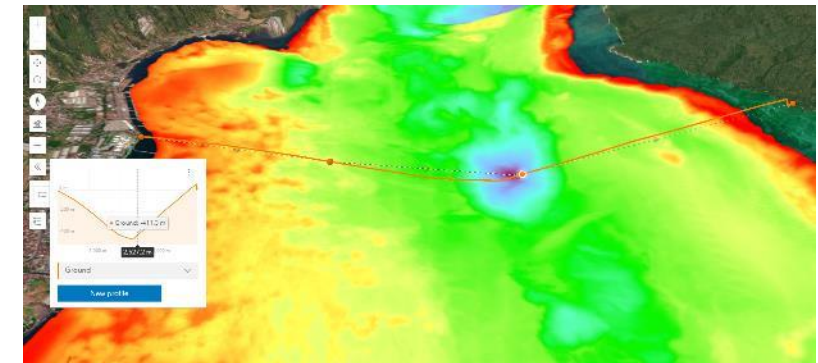
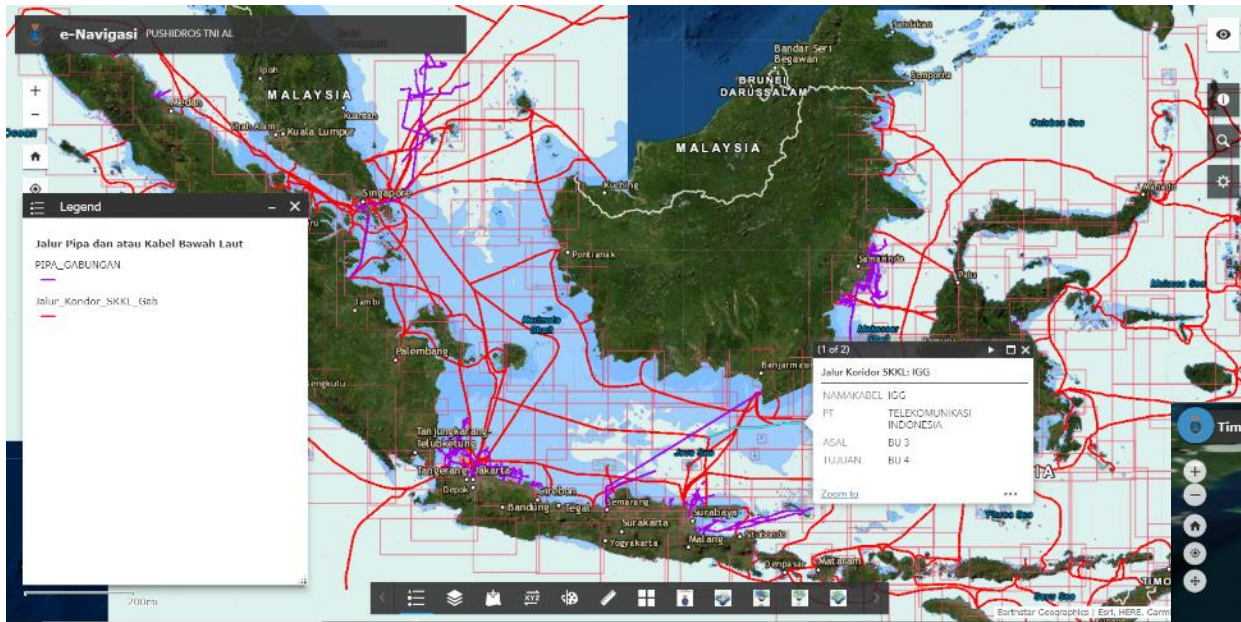


VESSEL TRAFFIC SYSTEM



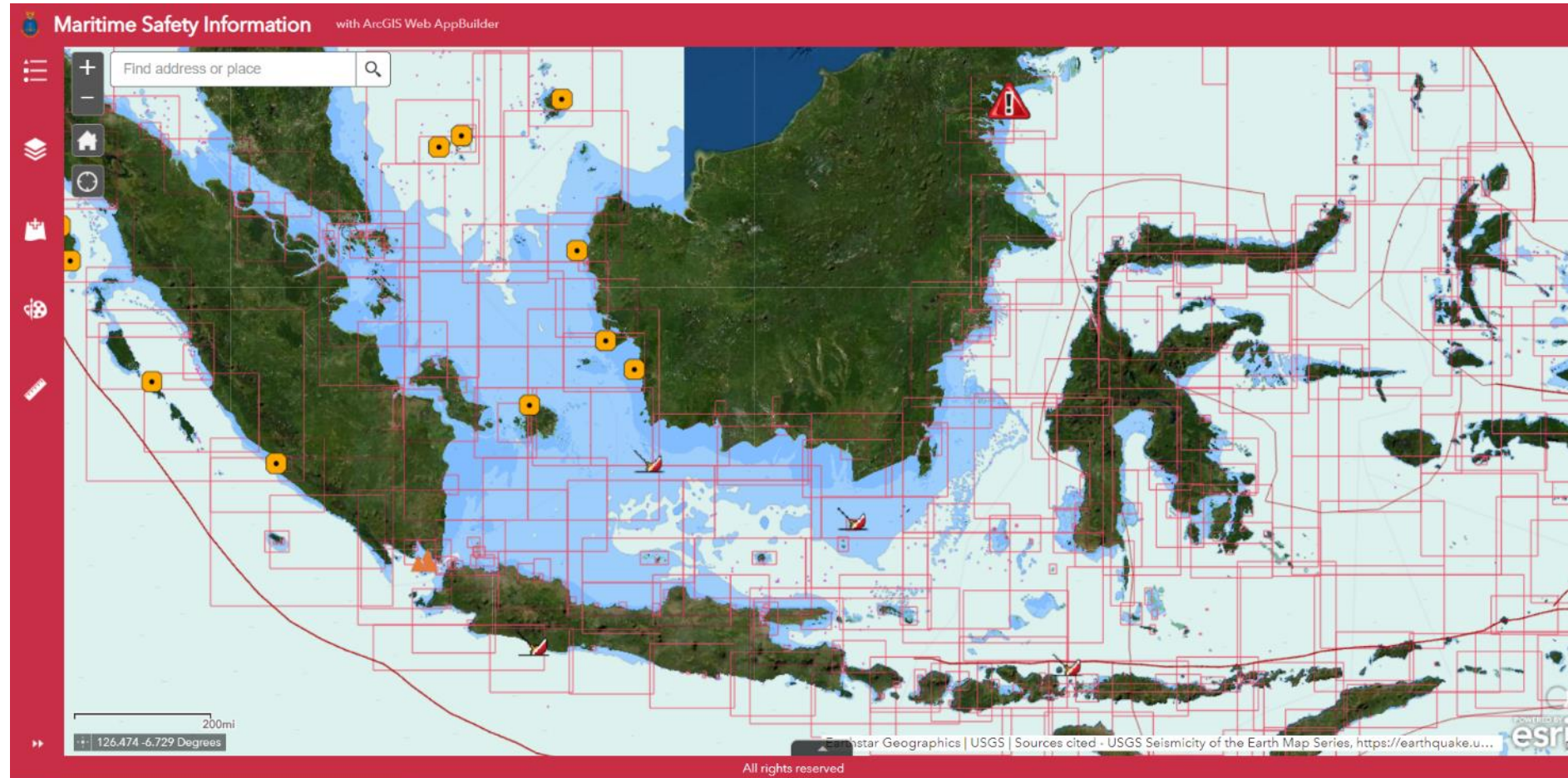


b. Indonesia National Pipe and Cable Team



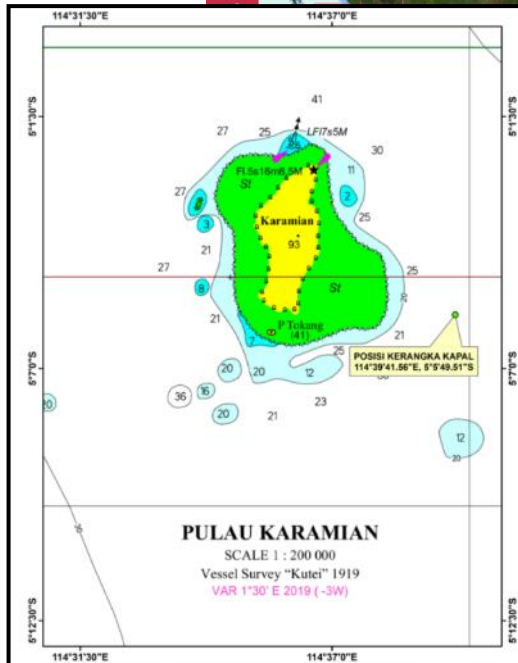
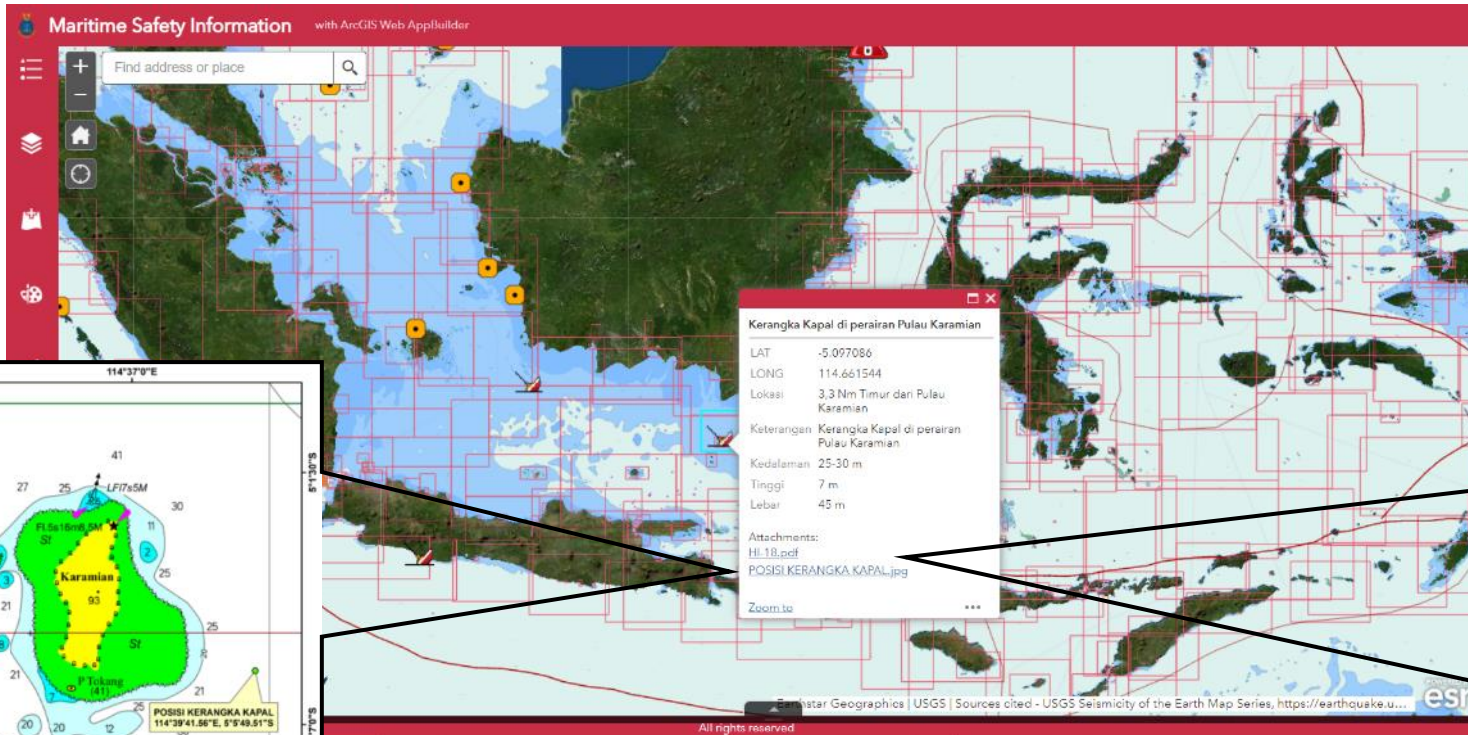


3. Maritime Safety Information





NAVIGATIONAL WARNING INFORMATION



HYDRO OCEANOGRAPHY CENTER – INDONESIAN NAVY
 Jl. Pantai Kuta V No. 1 Jakarta 14430
 Telp : (62) (021) 64714809, 64714819 Fax (62) (021) 64714809, 64714819
 E-mail : infohid@pushidrosal.id

B/403/N/2022 Jakarta, April 19th 2022

To : SROP Jakarta (Indonesia Radio Station in Jakarta)


Dear Mr Yusni Thamrin,

Refer to Hydrographic note KRI Spica – 934, at April 18th 2022, Please be announced that has been found wreck during hydro-oceanographic survey at Karamian Island Waters, Jawa Sea, Indonesia Waters.

Message Element	RNW (Radio Navigational Warning) Information
1. Message Series Identifier	INDONESIA NAV WARNING 18/ 2022
2. General Area	INDONESIA WATERS
3. Locality	JAWA SEA
4. Chart Number	INDO CHART AFF Nr. 83R3, 515, 150, 70A, 361, 361A
5. Key Subject	NOTIFY THAT HAS BEEN FOUND WRECK DURING HYDRO-OCEANOGRAPHIC SURVEY PUSHIDROSAL AT KARAMIAN ISLAND WATERS, LENGTH 45 METERS, HEIGHT 7 METERS, DEPTH 20 UNTIL 30 METERS JAWA SEA , COORDINATE 05°05'49.5100"S – 114°39'41.5600"E
6. Geographical Position	3,3 NM EAST OF KARAMIAN ISLAND
7. Amplifying remarks	VESSEL ARE REQUEST TO NAVIGATE WITH CAUTION IN THIS AREA
8. Cancellation details	-

Chief of Staff of Chief Hydrographer Deputy,
 PUSHIDROSAL
 P. Hadi Sudi Purwanto, S.T.,M.M.





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 Telp : (62) (021) 64714809, 64714819 Fax (62) (021) 64714809, 64714819
 E-mail : infohid@pushidrosal.id

B / 139 / 11 / 2022 Jakarta, February 9th 2022


To : SROP Jakarta (Indonesian's Radio Station in Jakarta)

Dear Mr. Yusni Thamrin,

Refer Notice To Marine Head of Harbour Master IV Class Nunukan, please be announced that light white beacon reported collapse at Sulawesi Sea, Siboko Bay, Makassar Shoal.

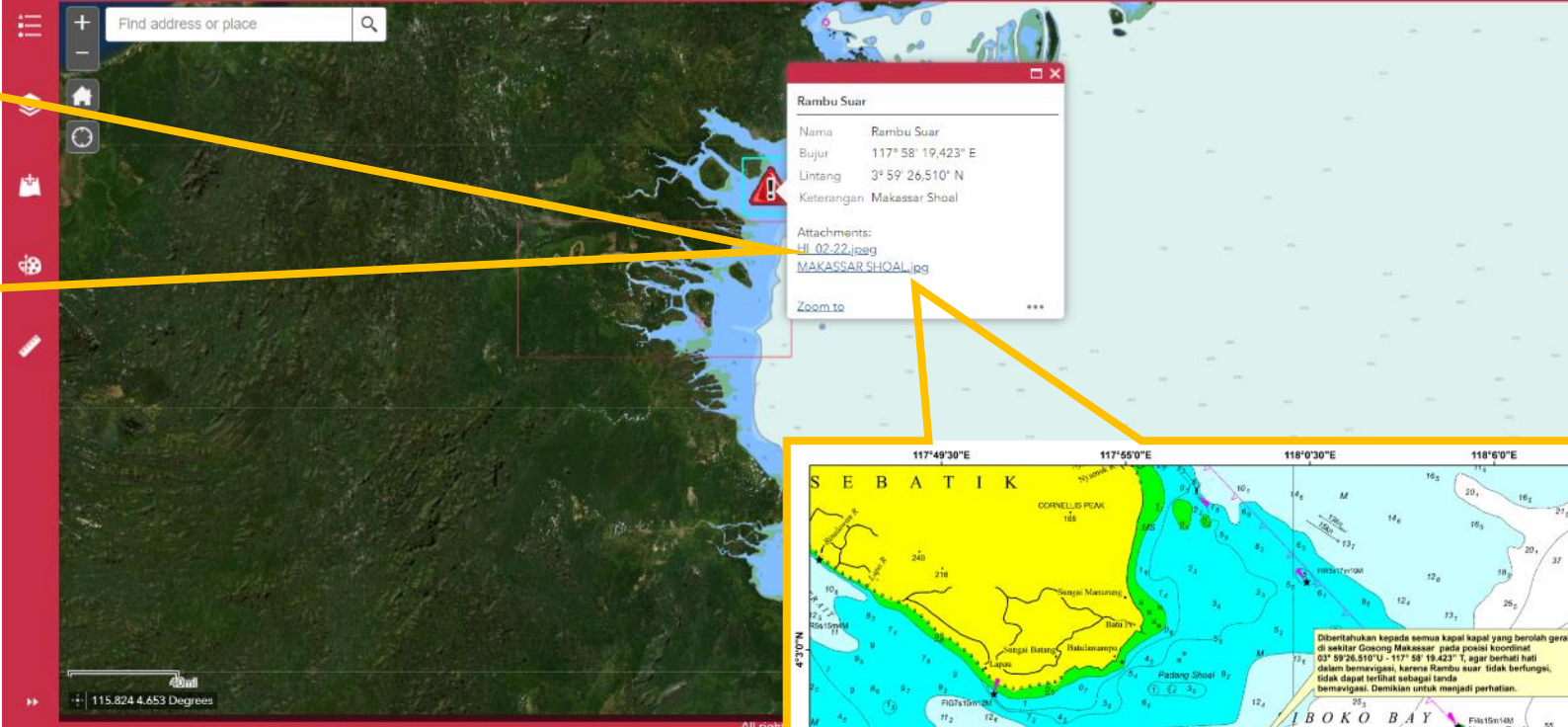
Message Element	RNW (Radio Navigational Warning) Information
1. Message Series Identifier	INDONESIA NAV WARNING 02 / 2022
1. General Area	SULAWESI SEA
2. Locality	MAKASSAR SHOAL
3. Chart Number	INDO. CHART AFF. NR. 489, 59, 132
4. Key Subject	LIGHT WHITE BEACON REPORTED COLLAPSE AT THE COORDINATE : 03°59'26.51"N - 117°58'19.423"E
5. Geographical Position	4.8 NM SOUTHEAST OF SEBATIK ISLAND
6. Amplifying remarks	VESSELS ARE REQUESTED TO NAVIGATE WITH CAUTION IN THIS AREA
7. Cancellation details	

On Behalf of Chief Hydrographer Deputy,



KOMANDAN
 PUSAT HIDRO-OSEANOGRAFI
 BUDI PURWANTO, S.T.,M.M.

Maritime Safety Information with ArcGIS Web AppBuilder



Rambu Suar

Nama Rambu Suar

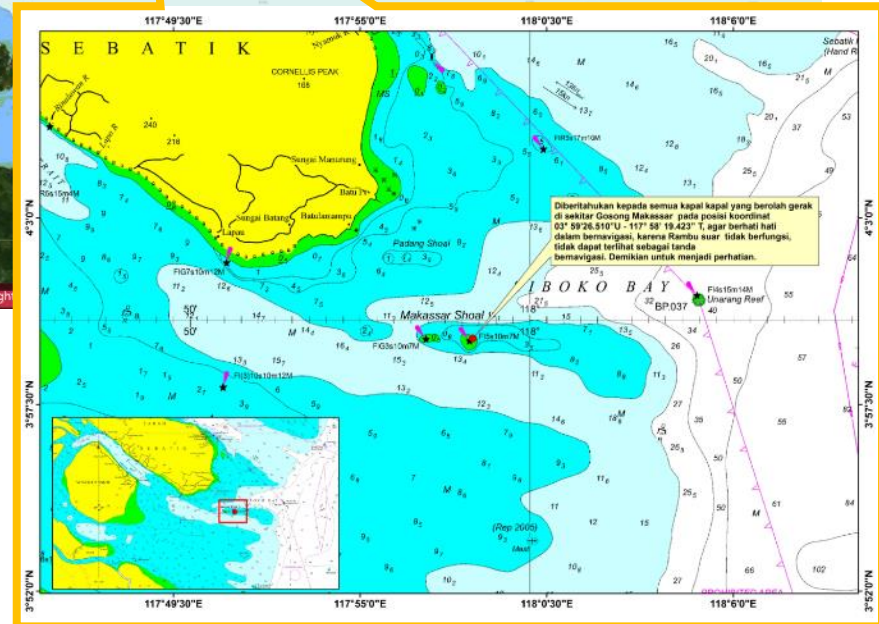
Bujur 117° 58' 19,423" E

Lintang 3° 59' 26,510" N

Keterangan Makassar Shoal

Attachments:
[LH_02-22.jpg](#)
[MAKASSAR SHOAL.jpg](#)

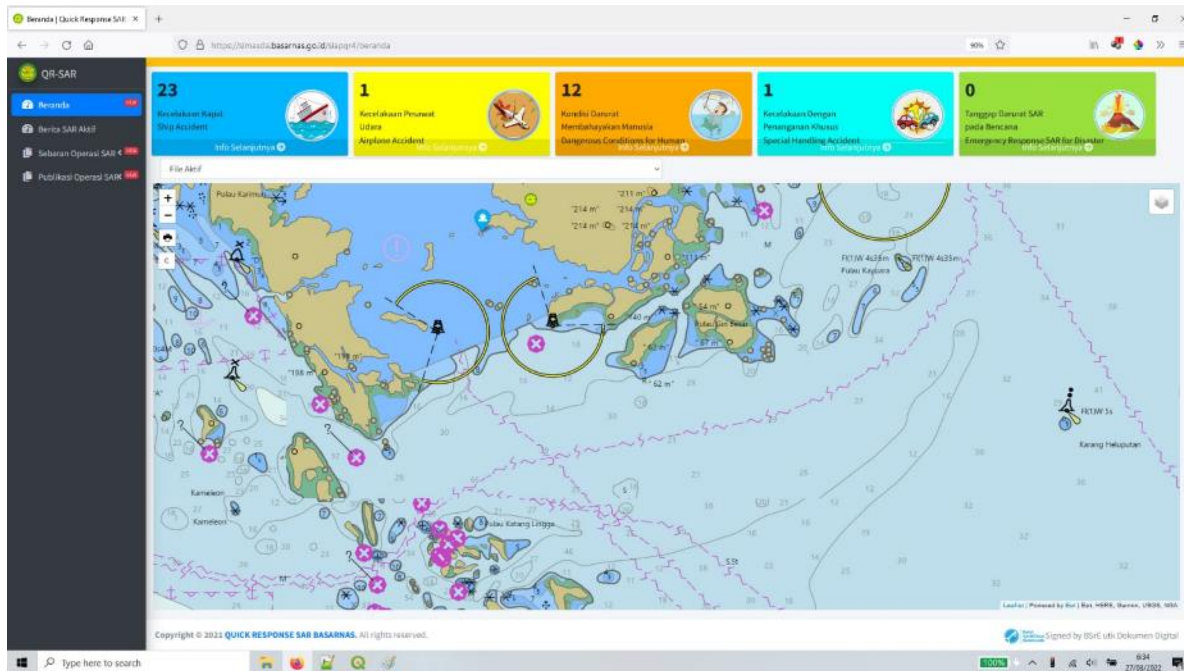
Zoom to ***





4. Sharing as well as Overlay Data

PUBLIC SHARING PURPOSES



MILITARY SHARING PURPOSES





OVERLAY DATA WITH IHDC

The screenshot displays the e-Navigasi web application interface. The main map shows Indonesia with various data layers overlaid, including a red grid and a blue shaded area. The interface includes a top navigation bar with the text "e-Navigasi PUSHIDROS TNI AL". A search bar is located at the top left. A "Layer List" window is open on the right side, showing a list of layers with checkboxes. A "Data Table" window is open in the foreground, displaying the following data:

MV Permata - MV_PERMATA	
FID	0
Lintang	7.00
F2	58.00
F3	18.00
F4	S
Bujur	119.00
F6	14.00
F7	36.00
F8	E
Lat	-7.97
Long	119.24
Ket	Laka Laut MV. Permata Asia Tenggelam di Laut Flores Utara Pulau Sanoqano pada 7 Mei 2022

The "Data Table" window also includes a "Zoom to" button. The "Layer List" window shows the following layers:

- MV Permata - MV_PERMATA
- Recent Earthquakes - Significant Earthquakes
- Peringatan_Bernavigasi
- Bahaya_Navigasi
- t. Radio Pantai
- Recent Earthquakes
- aris Patahan
- ulau Pulau Kecil Terluar
- OR-LESTE

The interface also includes a "Data Table" window with the following data:

MV Permata - MV_PERMATA	
FID	0
Lintang	7.00
F2	58.00
F3	18.00
F4	S
Bujur	119.00
F6	14.00
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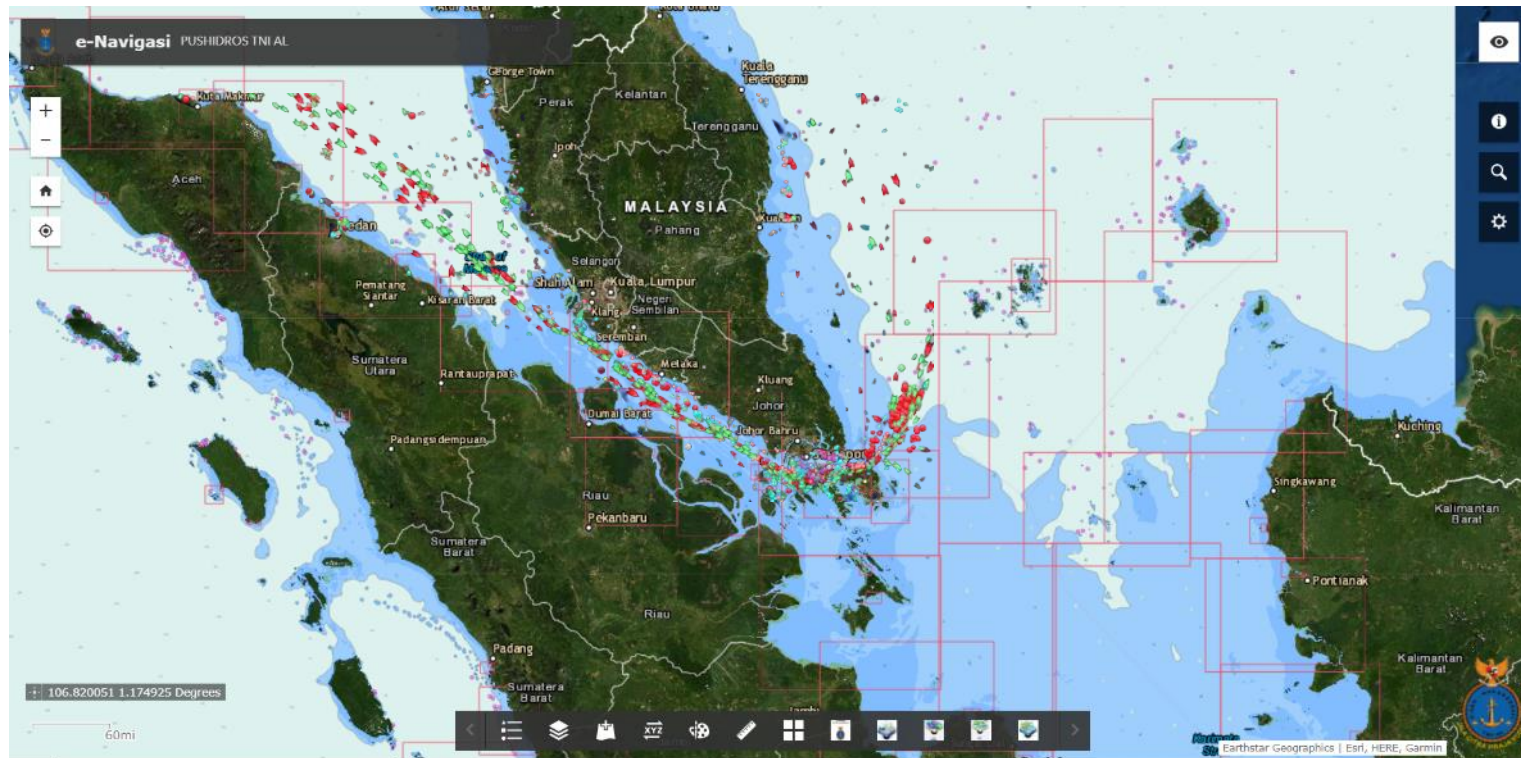
The interface also includes a "Data Table" window with the following data:

MV Permata - MV_PERMATA	
FID	0
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Lat	-7.97
Long	119.24
Ket	Laka Laut MV. Permata Asia Tenggelam di Laut Flores Utara Pulau Sanoqano pada 7 Mei 2022



5. Planning For the Future

REAL TIME VESSEL TRAFFIC WITH IHDC



OCEANOGRAPHIC AND METEOROLOGY WITH IHDC

