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Hydrographic Office



# Security of Navigation Stabilisation, Advice and Training (SONSAT)

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# Objective and Aim

- Introduction to SONSAT
- Enhance collaboration in achieving *our* shared AIM:  
“Safe and Secure Seas” - IMO



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# Scope

- **SONSAT – Aim and objectives**
- **SONSAT Concept**
- **Identify our shared our directives**
- **Brief history**
- **Examples**



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# Aim of SONSAT

- **Restore Freedom of Navigation (FON) in a maritime environment that has been...**
- **...*disrupted* by (natural), man-made or military causes...**
- **...by using internationally recognised standards, techniques, procedures and infrastructure.**



# Concept of Operation

- **Freedom of Navigation is established in Law, and depends on hydrographic information and data management; information that is appropriately *directed, collected, processed and disseminated.***
- **This ‘Navigation Information Cycle’ is at the core of the SONSAT concept and is used to understand and subsequently uphold FON in a particular region.**
- **Classified and Unclassified and Declassified**



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# What SONSAT does...

- **Deliver training in the Navigation Information Cycle to the navies, government departments and nations.**
- **Manage a range of communication products including the Maritime Security Chart series, and Security Related Information to Mariners (SRIM).**
- **Combined UKHO knowledge, skills, relationships and expertise.**
- **Engage with external civil and military organisations/authorities who have responsible for or have an effect on the marine environment.**



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# SONSAT – What outcome?

- **Contributes to the *primary* purpose of Hydrography – *safety of navigation***
- **and support other marine activities including *economic development, security and defence, and environmental protection***



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# Our Direction –

- **UNCLOS**
- **SOLAS Ch V (inc Regs 4, 9, 31, 34)**
- **Hague Convention 1907**
- **San Remo Agreement**
- **SUA Treaty**
- **A.705(17), 706(17)**
- **S.53**



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# Security / Military Operations

- **Routine exercises**
- **Disaster relief operations**
- **Security (establishing maritime security zones)**
- **State's right to prove Freedom of Navigation and Right of Innocent Passage**
- **Conflict**

**A navy and its government must comply with the law – and share information relating to safety of navigation**



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# AWNIS

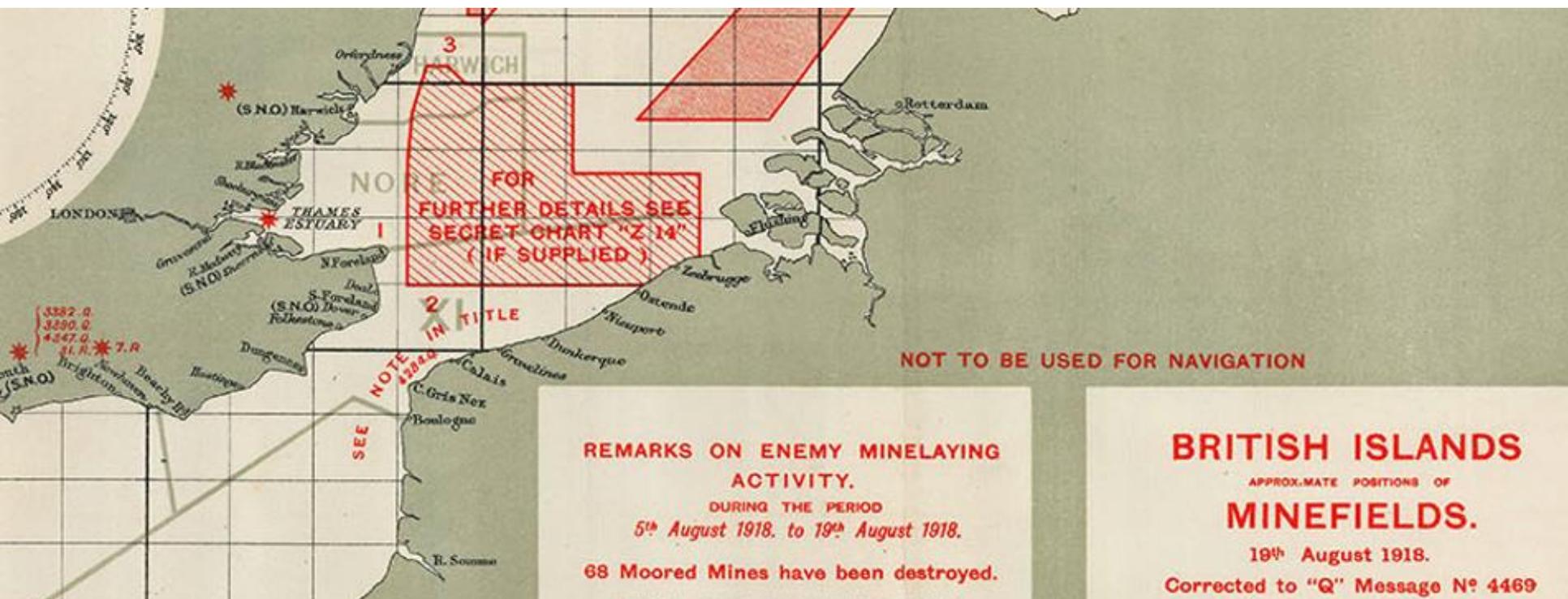
- **Allied Worldwide Navigational Warning System**
- **Doctrine defining how navies should manage information (classified and unclassified) for subsequent promulgation in line with laws and treaties.**
- **AWNIS Training (by SONSAT) – includes Navigation Information Cycle, GMDSS, MSI, record keeping.**



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# SONSAT's Origins

"Prepared and printed by the **Hydrographic Department** of the Admiralty 6<sup>th</sup> August 1917 under the Supertintendence of Rear-Admiral J.F. Parry .C.B. Hydrographer"



### FORMER MINED AREAS

The areas shown on this chart, together with parts of the Khawr 'Abd Allāh are former mined areas in which mines could still present a hazard. Anchoring, fishing or seabed operations are not recommended anywhere within these areas. However, where anchoring is necessary it should be carried out only within the designated anchorage areas, as directed by the local authority. Additionally, drifting mines may be encountered anywhere in this region. For further details, see Admiralty Sailing Directions and Annual Notice to Mariners No 6.

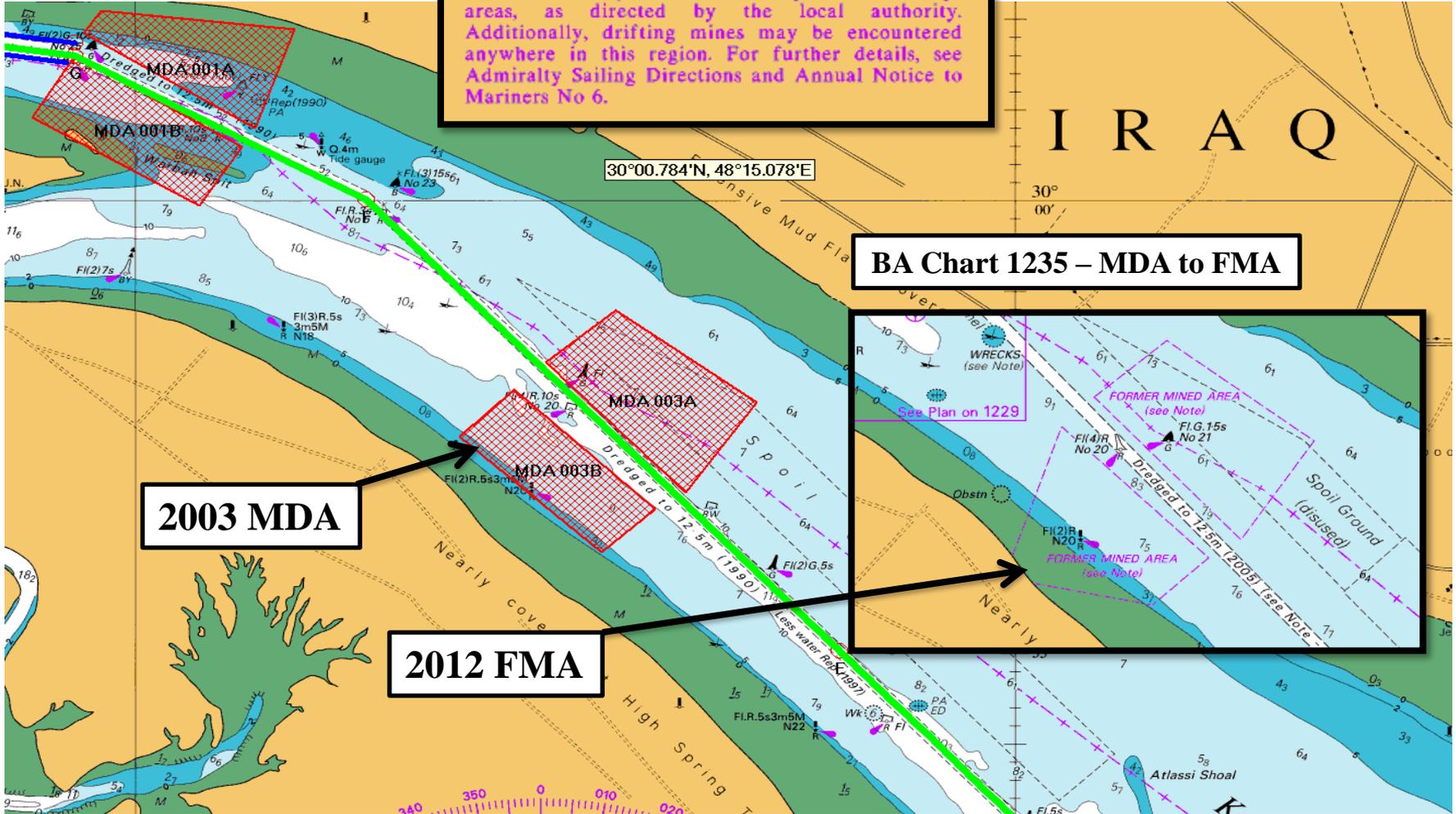
30°00.784'N, 48°15.078'E

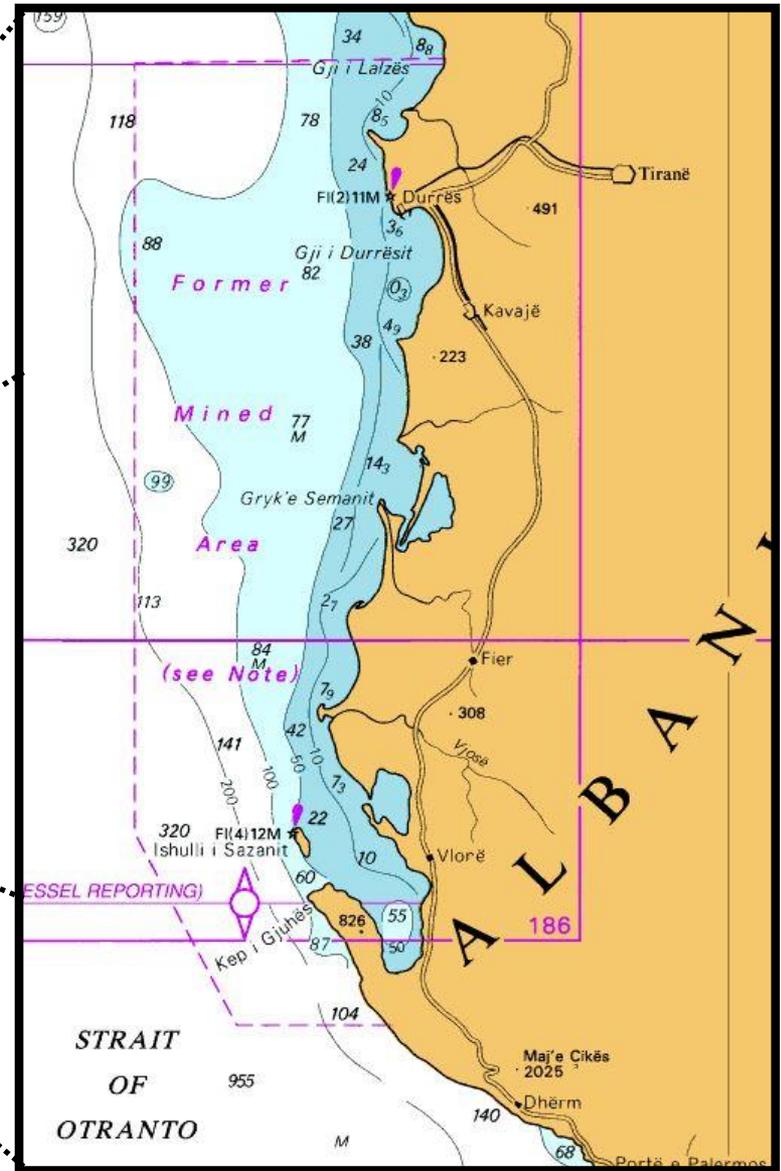
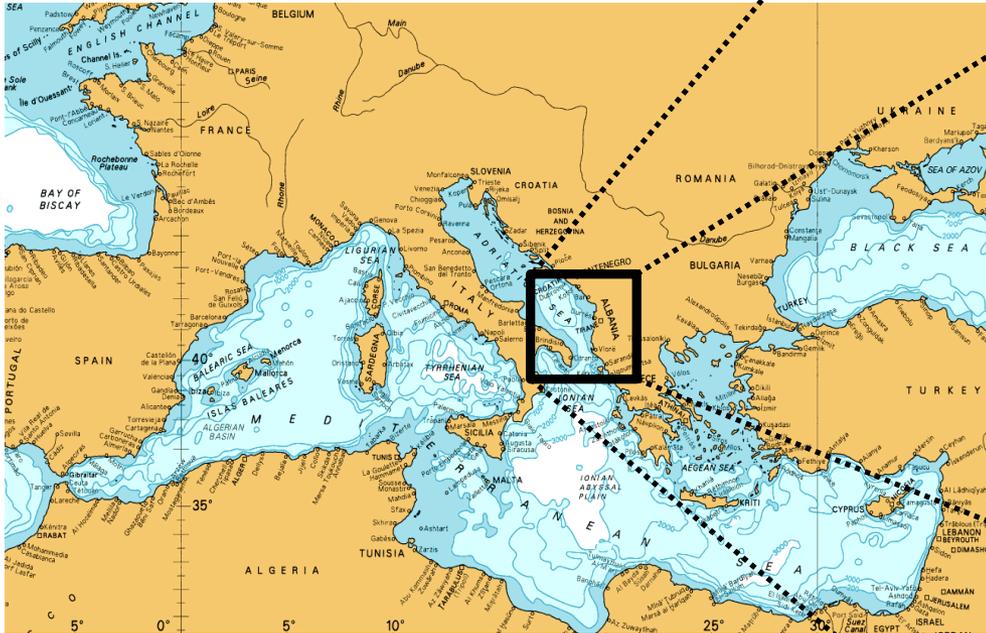
# IRAQ

**BA Chart 1235 – MDA to FMA**

**2003 MDA**

**2012 FMA**







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# QUESTIONS?