

Marine Cadastre and Targeted Ocean Mapping (TOM) Update Prepared for the US-Canada Hydrographic Commission April 2014, St. John's NFLD – Kian Fadaie

Background:

Navigational chart coverage exists for all of Canada's primary waterways up to the Exclusive Economic Zone but many need update and modernization.

Geological maps exist for less than 5% of Canada's 9.9 million km² offshore lands;

Even though, some legal surveys have been conducted in association with certain activities such as Oil and Gas and Marine Protected Areas, there is no integrated system for recording legal interests, restrictions and responsibilities related to Canada's ocean space (i.e. marine cadastre).

History:

Past discussions (2010 interdepartmental workshop) included:

- A Marine and Coastal Rights Registry (Marine Cadastre) as a component of an *Integrated Marine and Coastal Information System (IMCIS)* for Canada
- In the Oceans Planning and Management: *The need for an (IMCIS) is also identified*
- Proof of concept: *The St. Margaret's Bay Marine Cadastre: Lessons Learned*

2012 – Strategic Roadmap for Canada's Arctic Spatial Data Infrastructure and Marine Cadastre. One of the observations of the assessment of geospatial data in the Arctic indicated that the Marine Cadastre component of an Arctic SDI is critical.

CHC **2014**—A presentation was given on Tuesday at this conference, with an intension to launch the first marine SDI public stakeholder consultation:

- To receive feedback on the need for and the expected outcomes of marine cadastre.
- To scope out the detailed information needs for a Marine Cadastre and Targeted Ocean Management,
- To identify the technologies best suited for data acquisition, management and dissemination, and to identify the priority areas for near-term focus.
- To outline ways for stakeholders with interests in marine navigation, resource development or offshore regulation to provide input.