Fisheries and Oceans Canada
Pêches et Océans Canada

CANADIAN HYDROGRAPHIC SERVICE

Canadian Crowd Source Bathymetry Update

Canada

CHS National Bathymetric Dataset

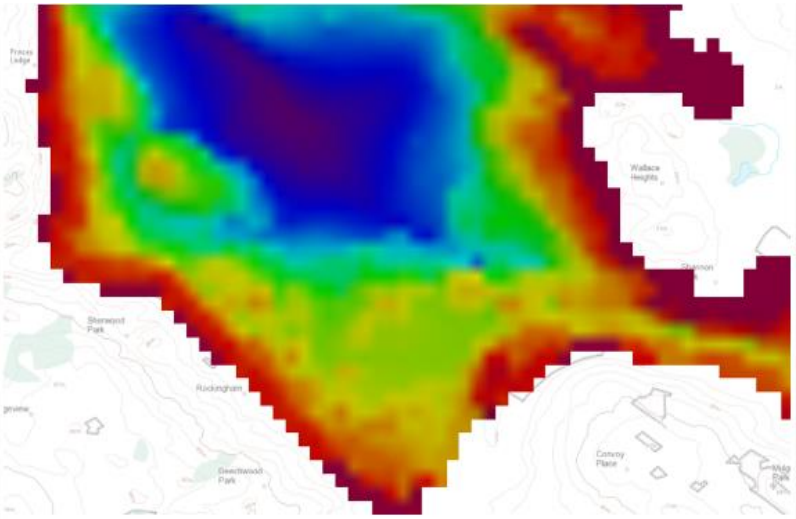


Figure 1 – CHS NONNA-100 – Bedford Basin, Nova Scotia

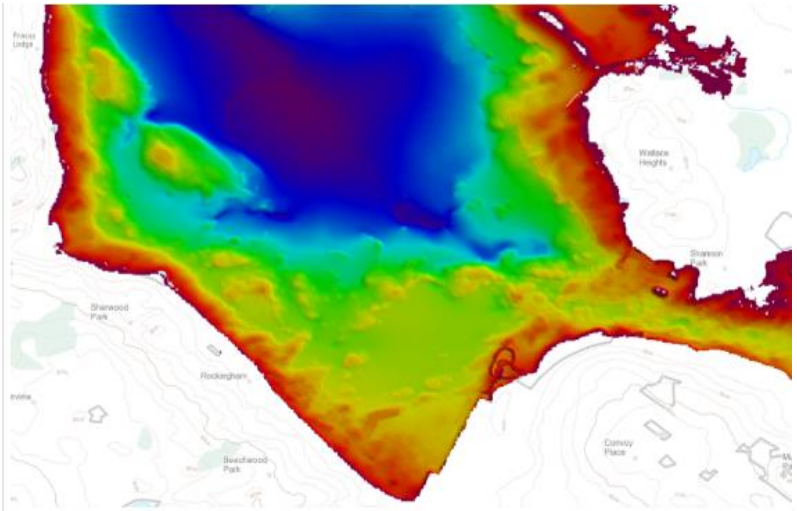


Figure 2 – CHS NONNA-10 – Bedford Basin, Nova Scotia

Nonna-10 and Nonna-100

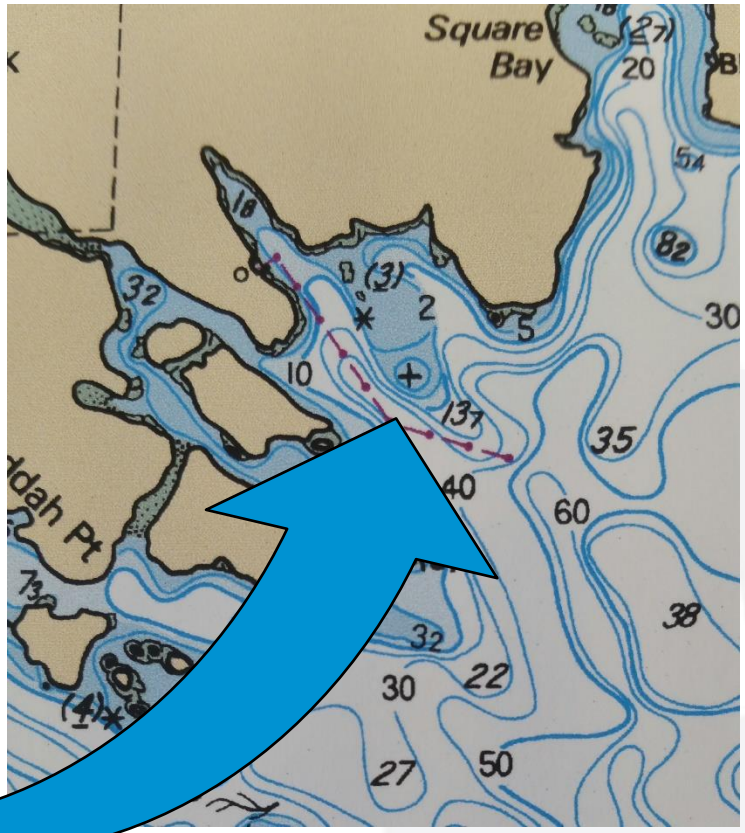
The CHS NONNA data is accessible free of charge, both to view or download in various formats. You may access all CHS NONNA bathymetric data on

Open Data

NONNA-10: http://www.charts.gc.ca/data-gestion/index-eng.html#bathymetry

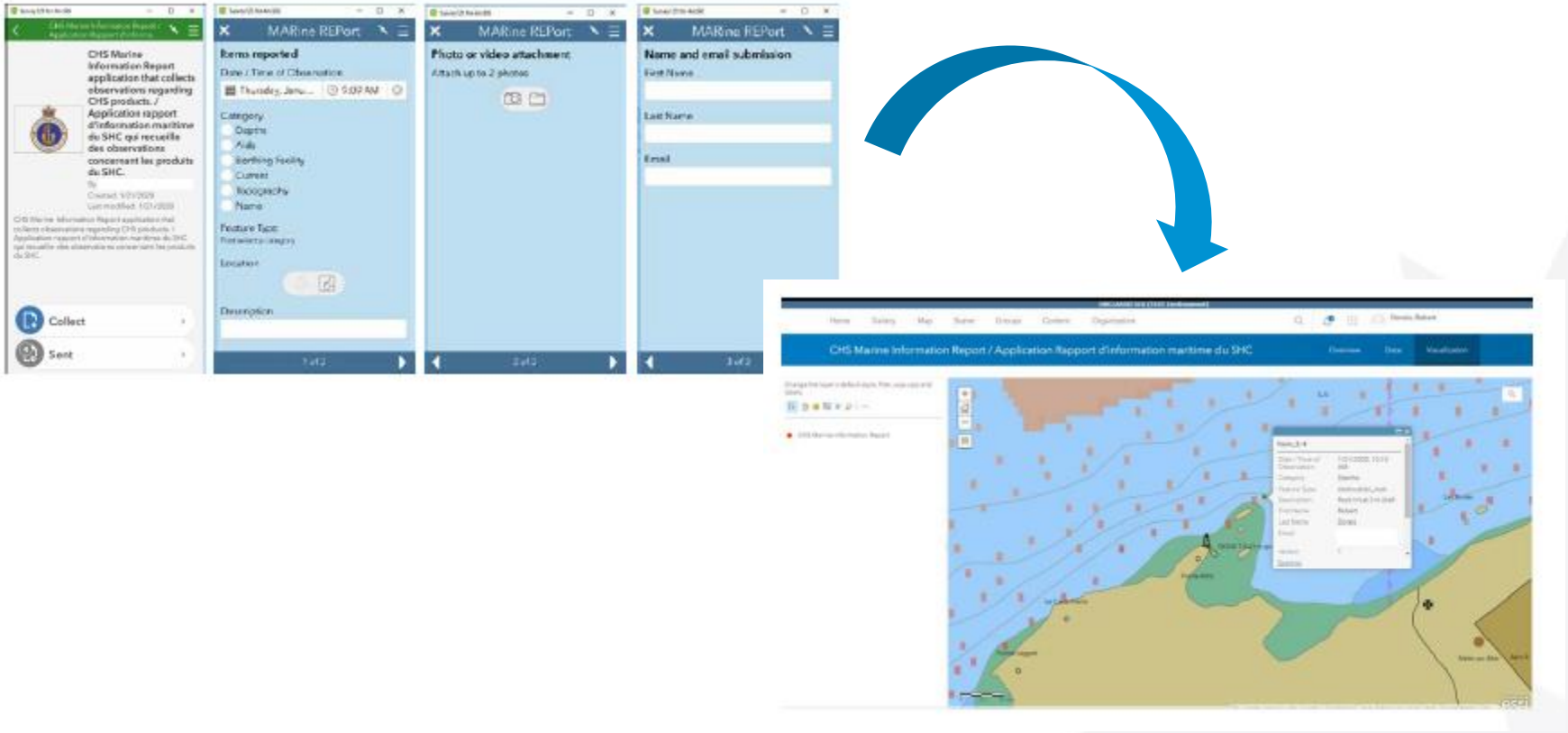
Public Participation

CHART 3535
WELCOME PASSAGE



MAREP – Marine Reporting Modernized

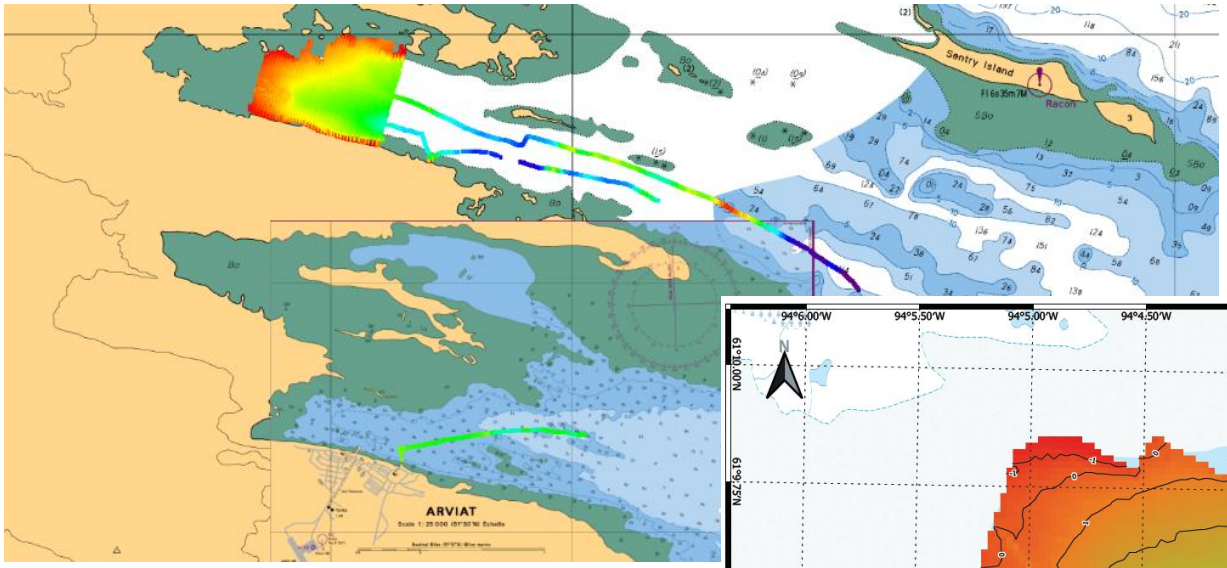
- Easier to report navigation hazards
- New App under development



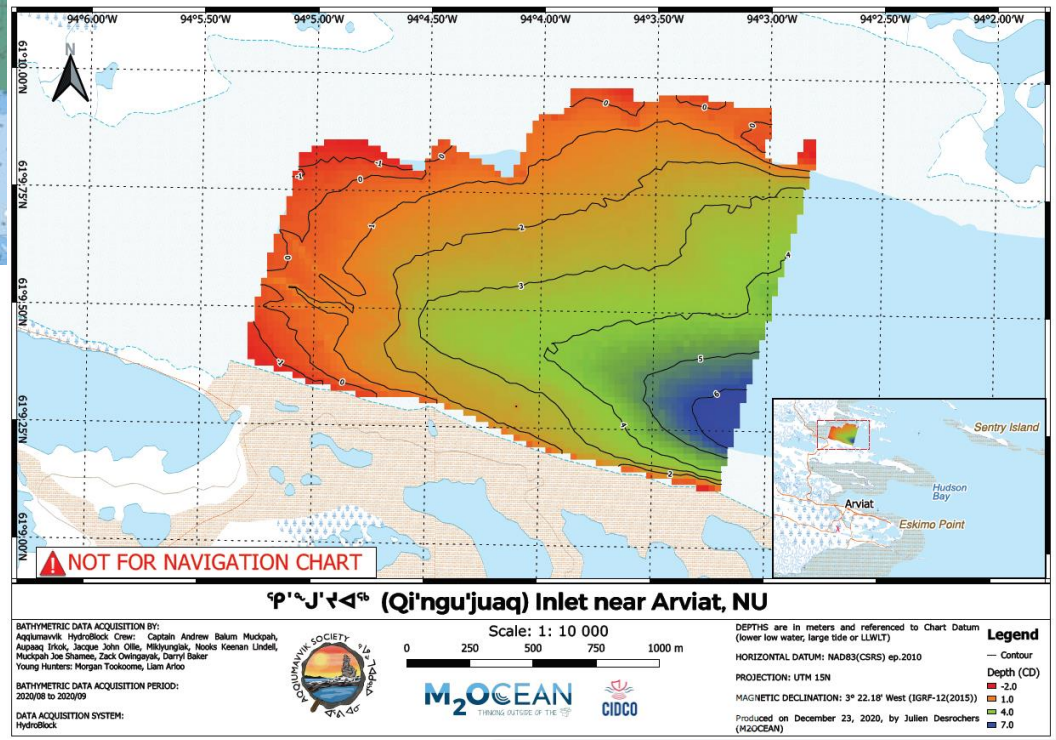
CROWD SOURCE BATHYMETRY

example

First Nations charting their traditional waters



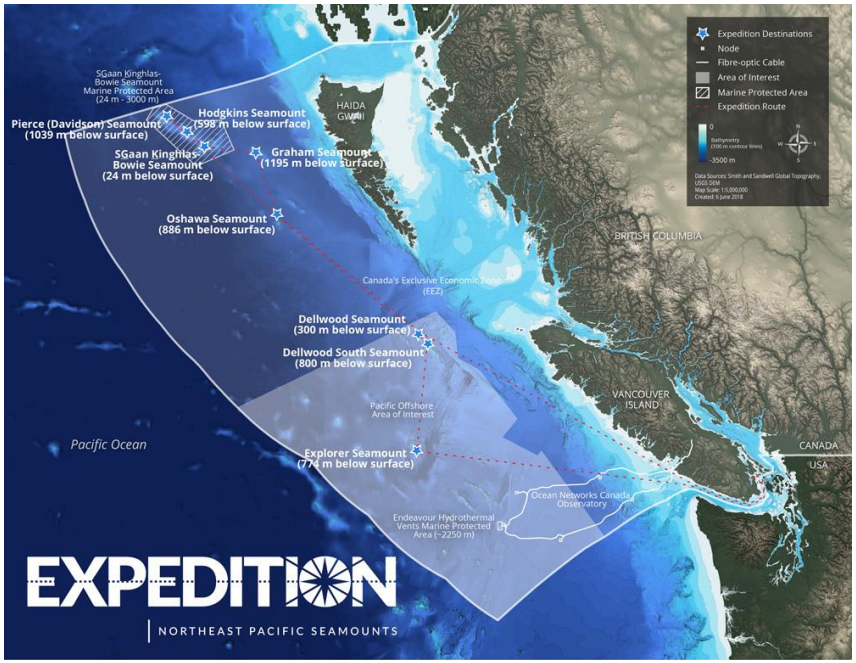
Improving bathymetry coverage, protecting the environment and safe navigation

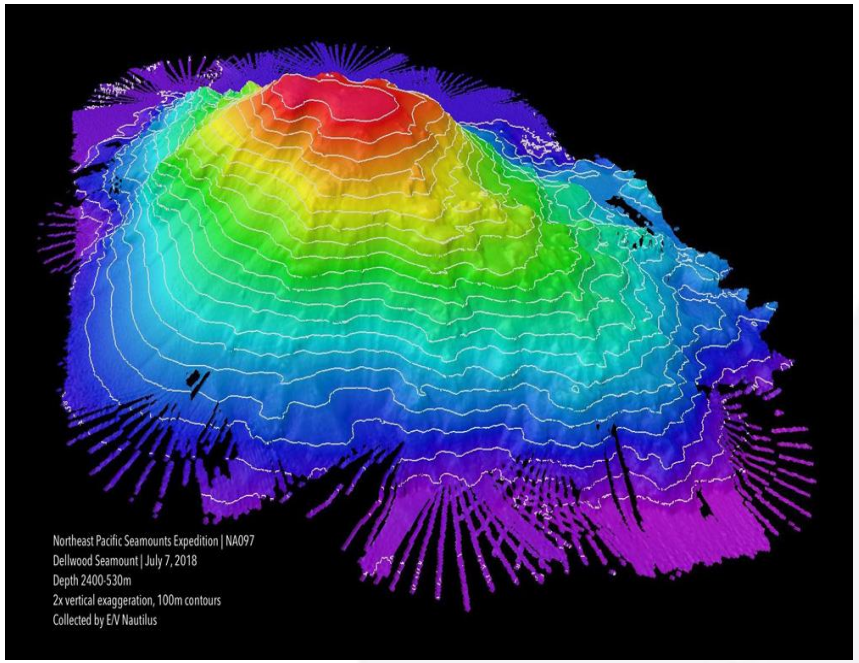


Data submitted to the DCDB.

Collaborative work

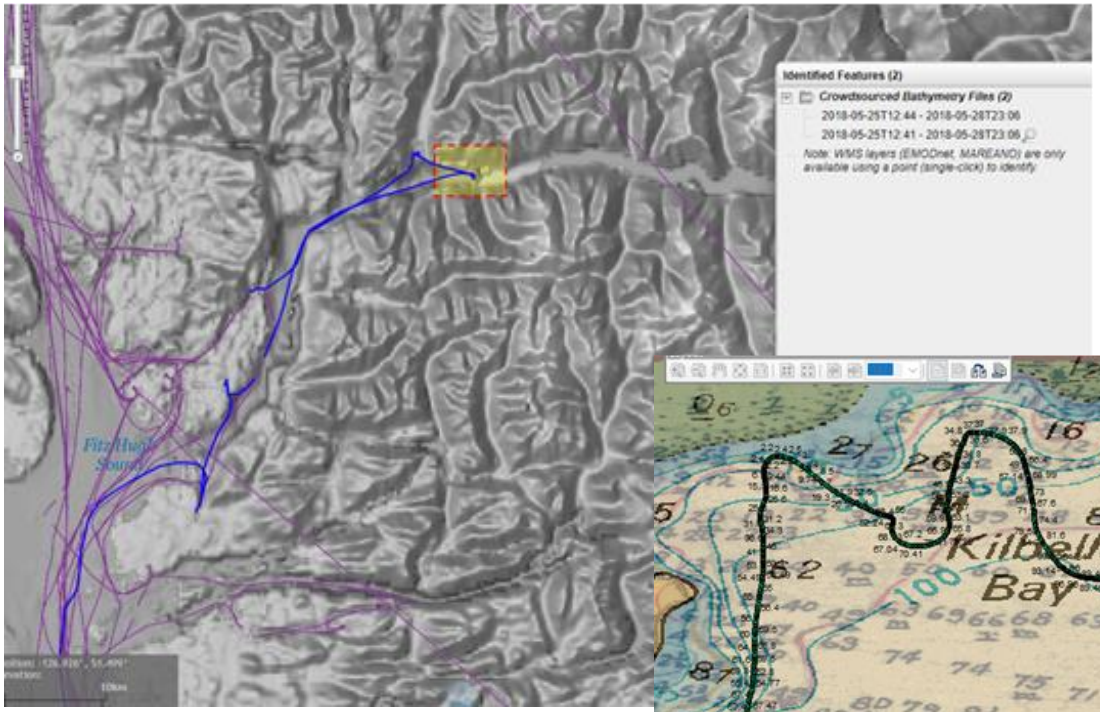
Fisheries and Oceans Canada (DFO), Oceana Canada, the Haida Nation and Ocean Networks Canada (ONC)



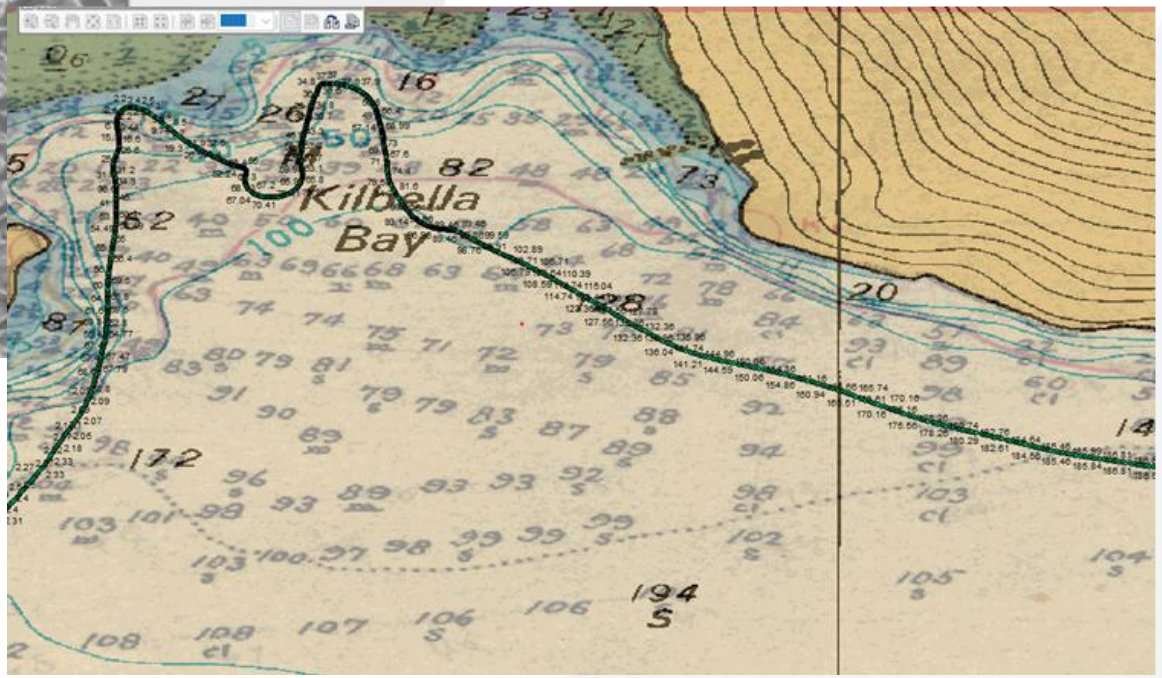


Source: ONC website

DCDB data used for oil spill response

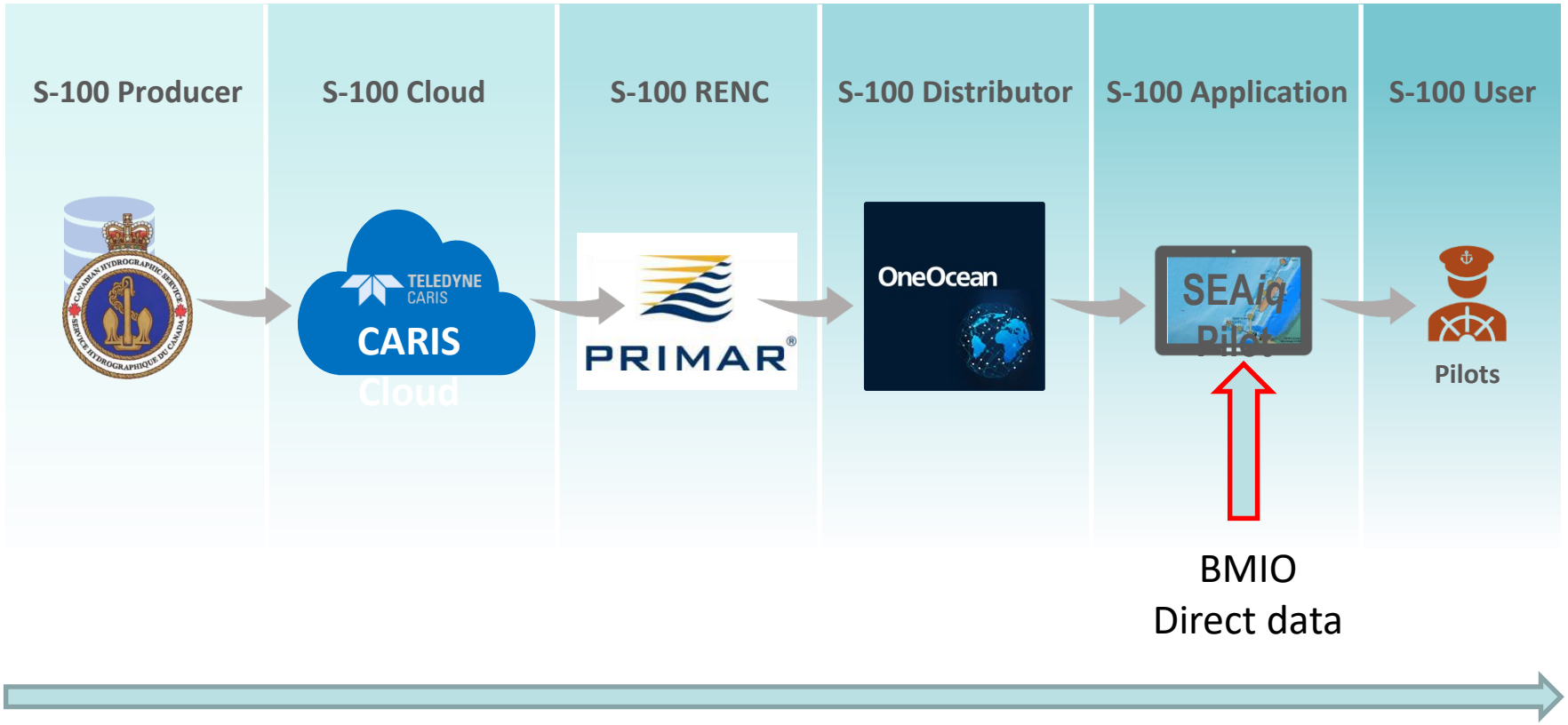


2018 Crowd Source



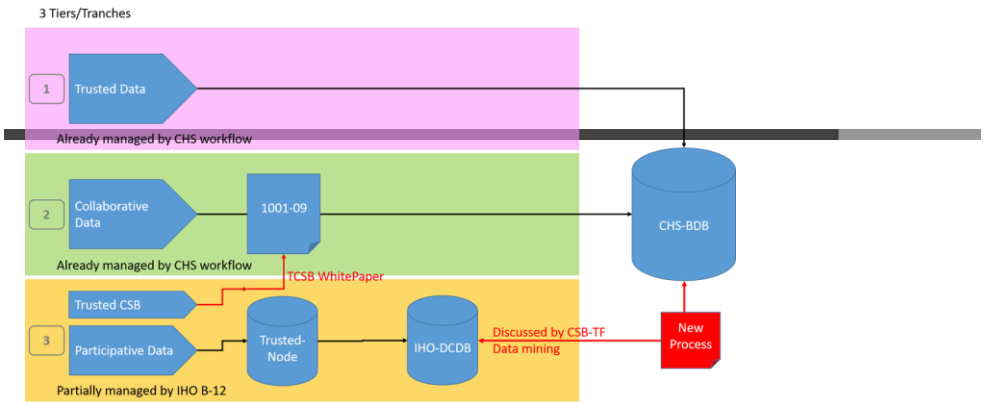
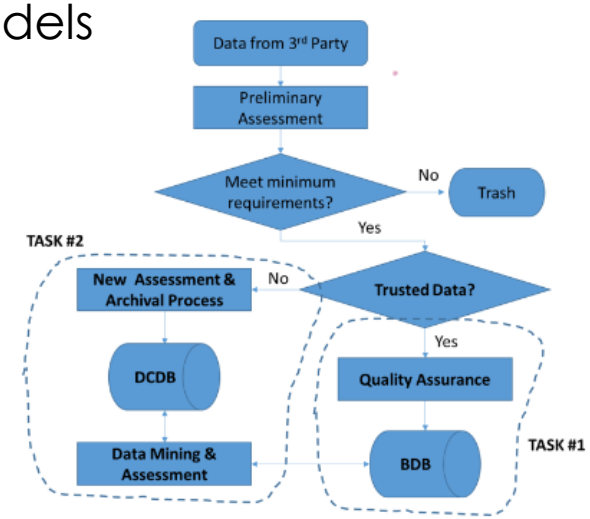
1935 CHS Data
Rivers Inlet

S-100 Service – Full Value Chain (or why CSB matters to Hydrographic Offices)



Upcoming for CHS: Transformation

A series of modernization project charters designed to evolve CHS to be ready for S-100 and the data-centric world.

Enhanced Access to 3rd Party hydrographic data project charter streamlining integration, archival and data accessibility processes. This includes CSB data.

Some proposed data flow models