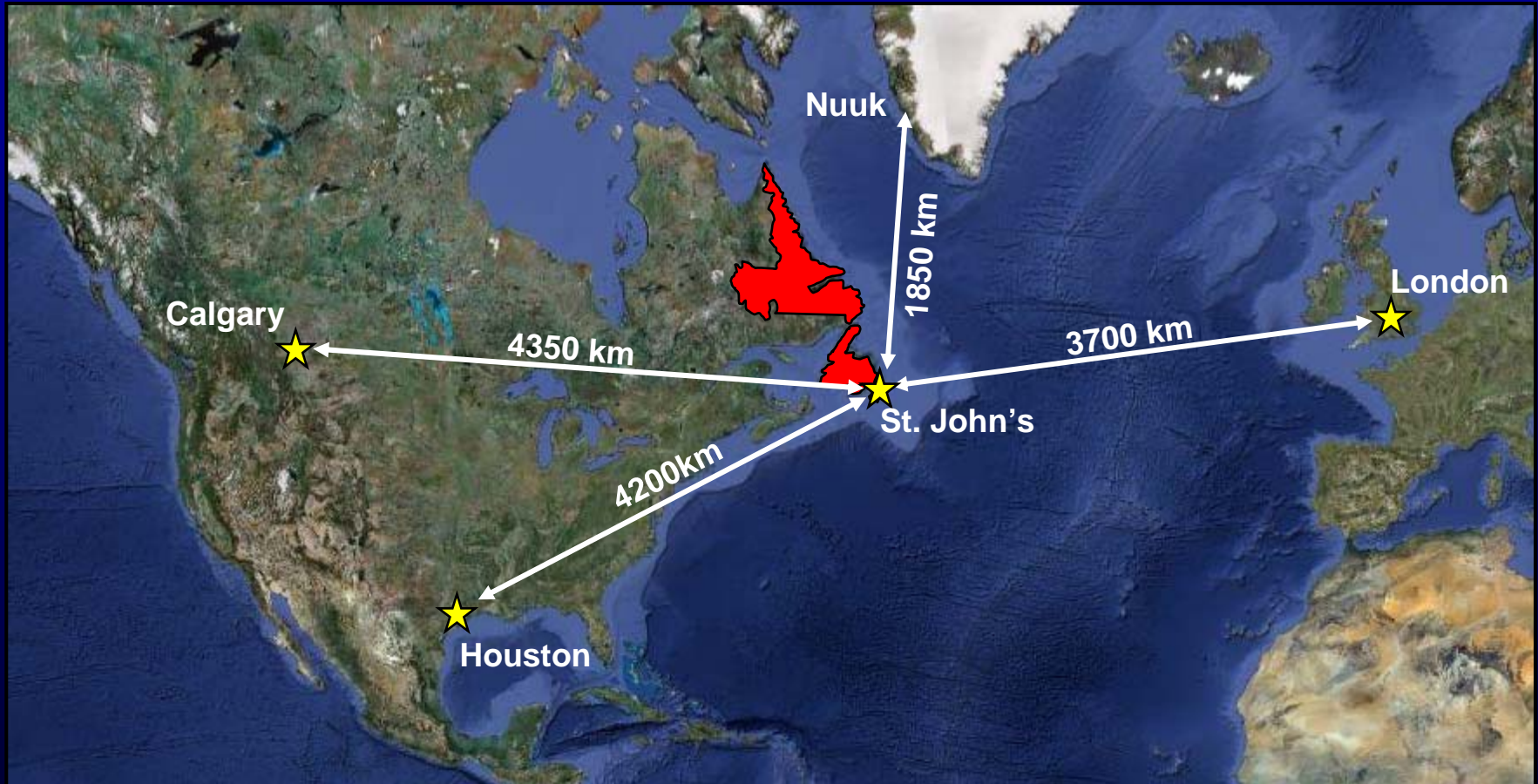




Newfoundland and Labrador: Resource Opportunities Available Call for Bids NL12-01 and NL12-02

**Geology and Geophysics Team
Department of Natural Resources
Presenter: Michael Enachescu, Geoscience Advisor
Government of Newfoundland and Labrador, Canada**

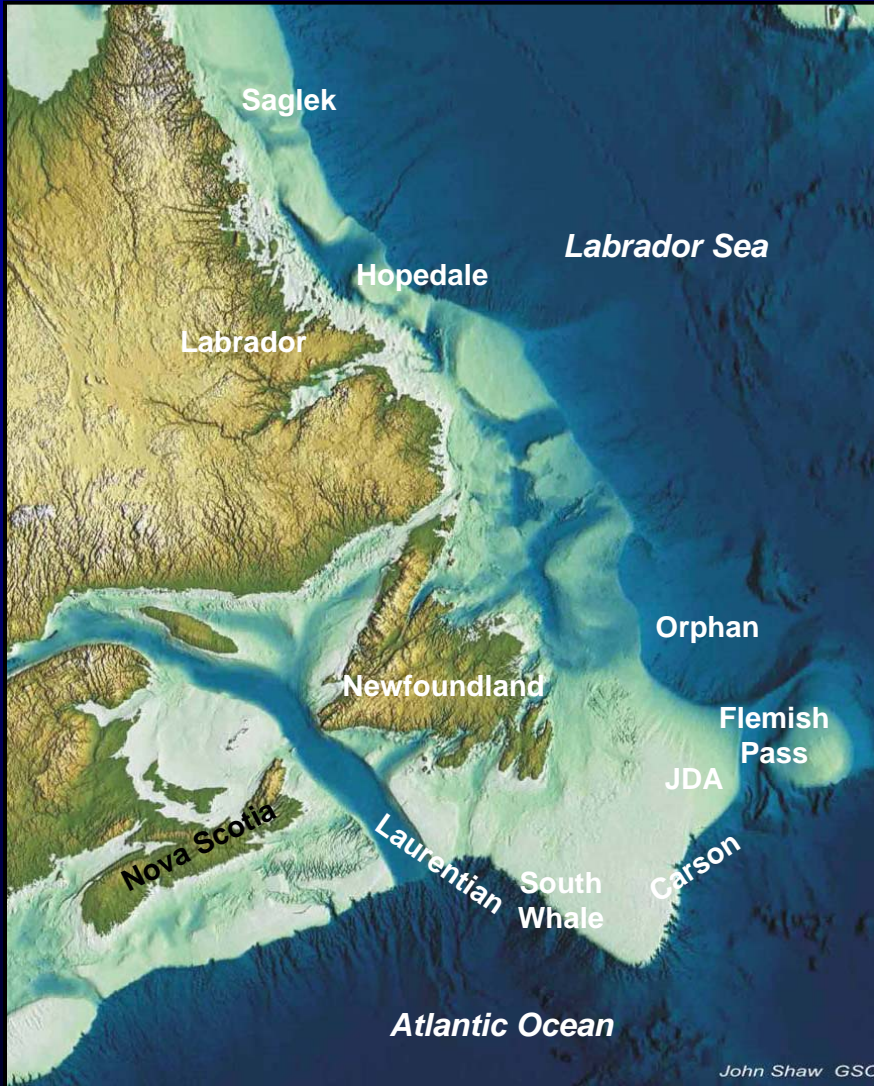
Location



Location

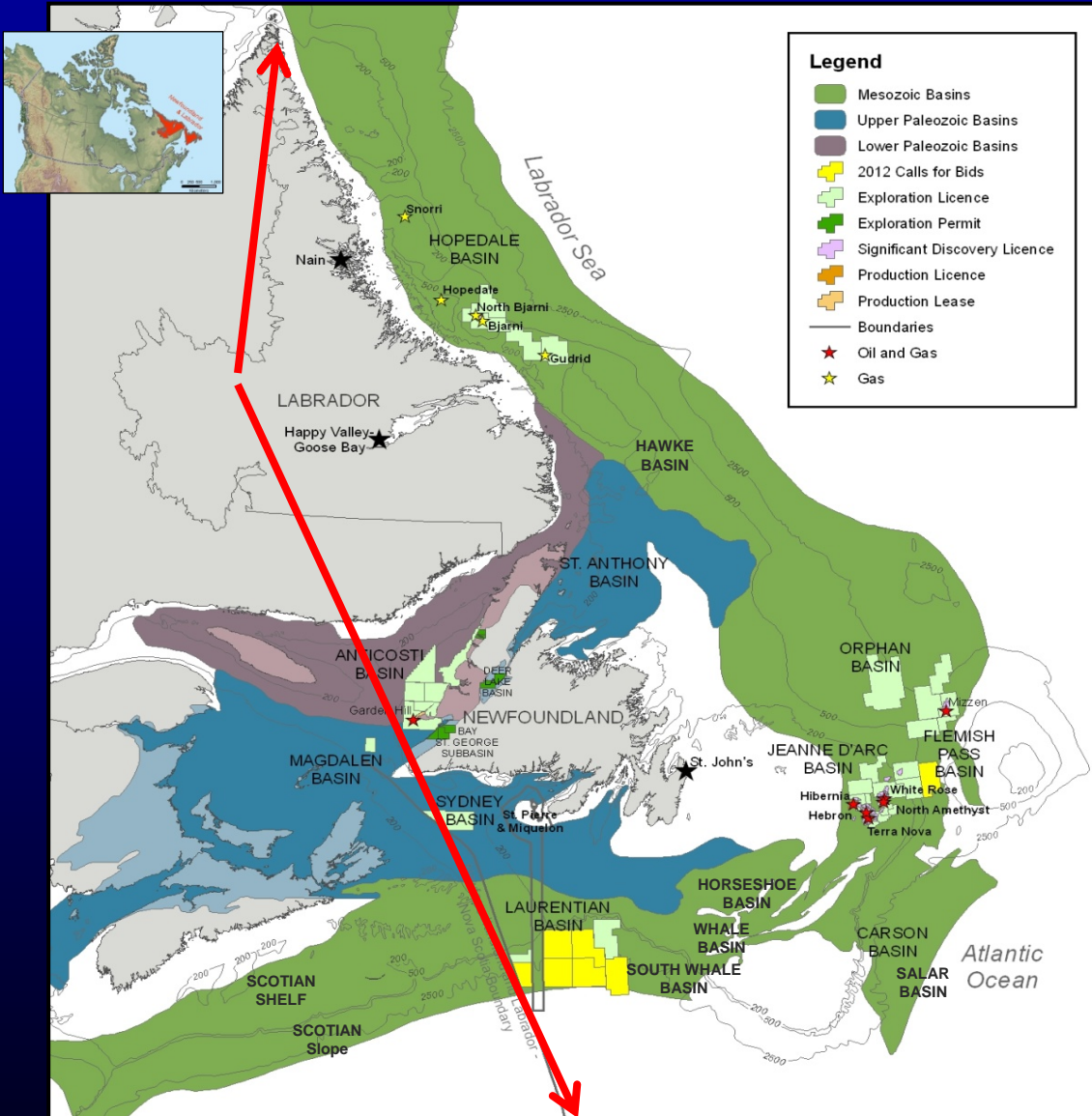


Overview

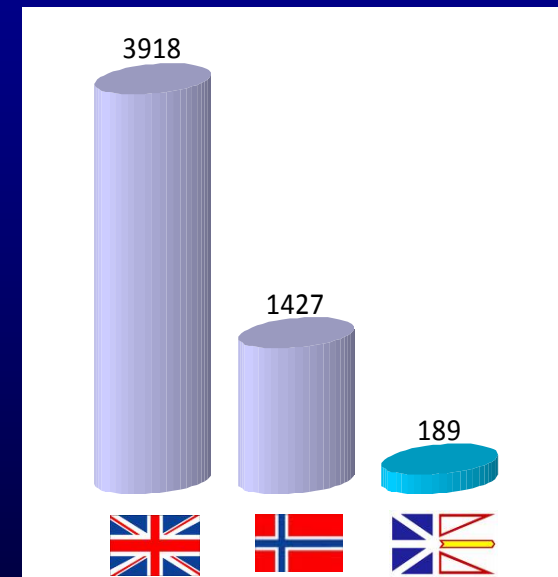


- Total Land Area in excess of 800,000km² (200 Million acres). Average Block size 100x the size of US Gulf of Mexico Blocks.
- Numerous sedimentary basins, some underexplored.
- > 3 Billion barrels oil, >11 Tcf gas & > 500MM barrels NGLs discovered so far.
- Undiscovered resources estimated at 6 Bbbl oil and 60 Tcf. 1.3 Billion barrels produced to date.
- NL accounts for > 10% of Canada's total oil production and approx 1/3 of Canada's conventional light crude output.
- One producing basin so far, Jeanne d'Arc, averaging 275,000 bopd production. Recent Significant Discovery in Flemish Pass Basin.
- **< 10% currently held under licence**

Underexplored Proven Petroleum Region



Exploration and Appraisal Wells



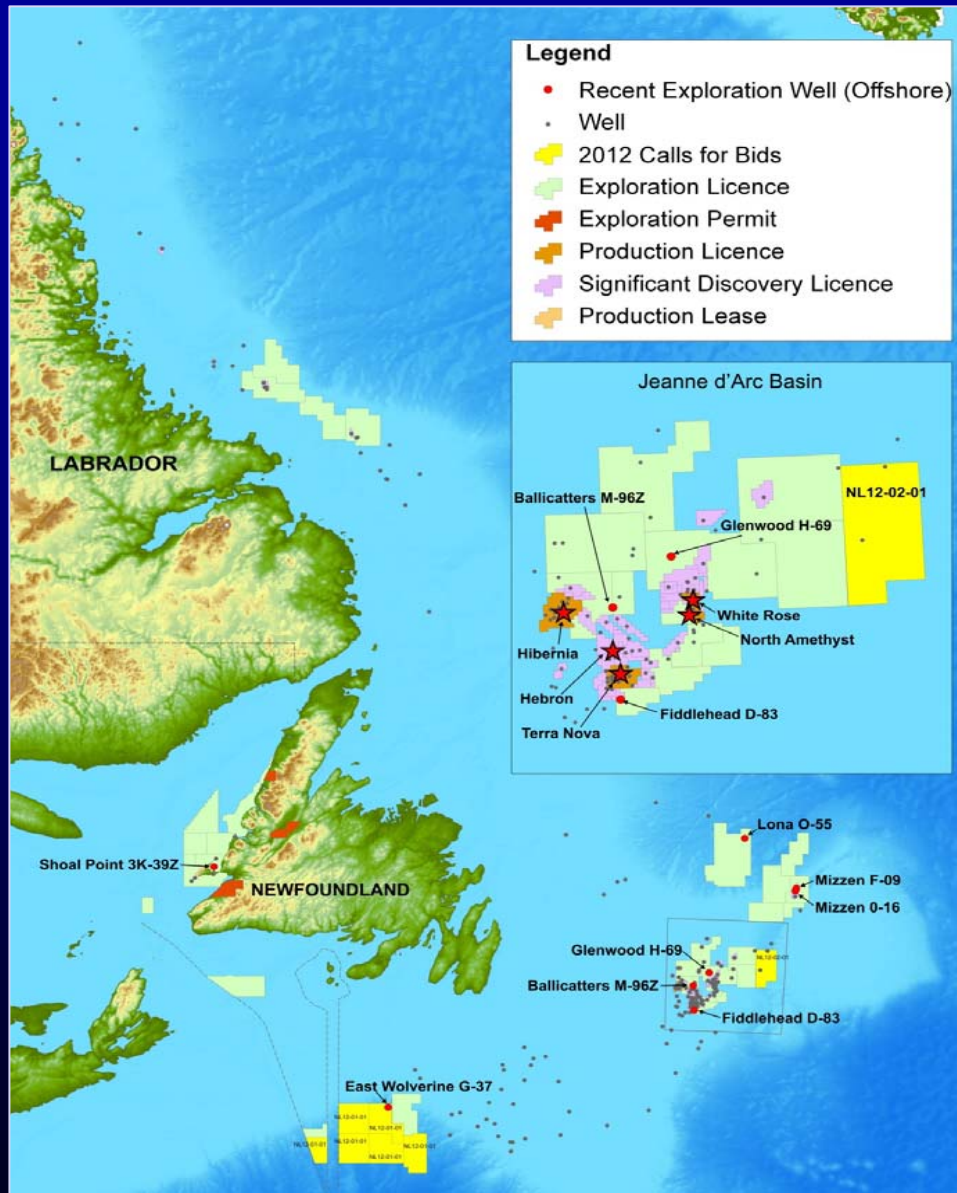
1 well per
139 km²

1 well per
461 km²

1 well per
4,203 km²

Source: WoodMackenzie 2010, CNLOPB 2009

Drilling Activity 2012 – Offshore



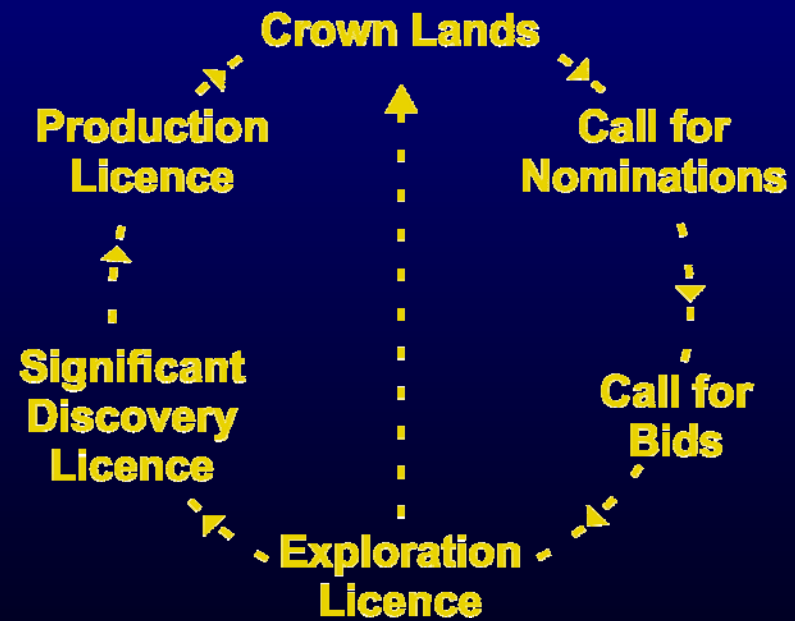
- Drilling activity increasing – expecting as many as 5 offshore rigs in NL in 2012
- Statoil announced plans to drill 2-4 wells offshore NL, starting late 2012.
- Chevron announced plans to drill a third well in the Orphan Basin – Exxon & Shell left EL1074R consortium, while Statoil and Repsol have joined.

Call for Bids: Offshore

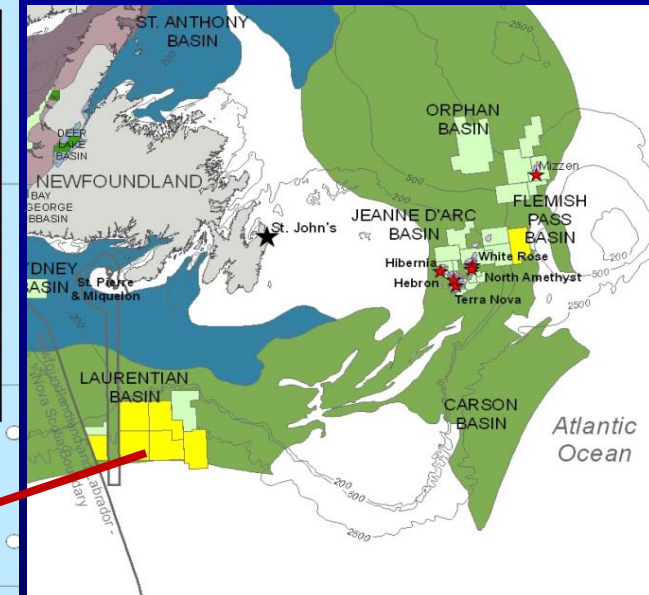
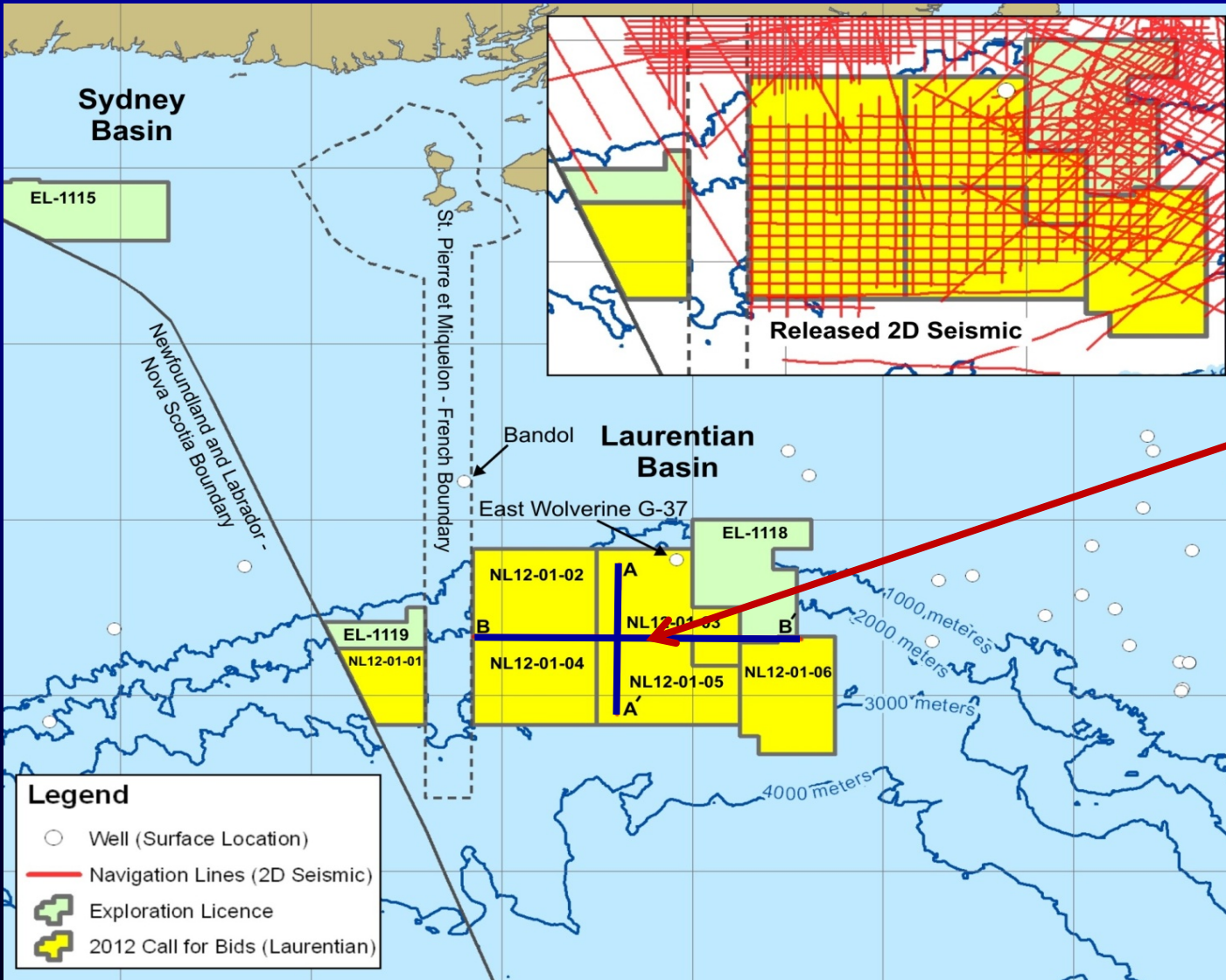
C-NLOPB 2012 Offshore Call for Bids recently made public. Consists of seven large parcels in two underexplored basins. Winning bid: Work Commitment.



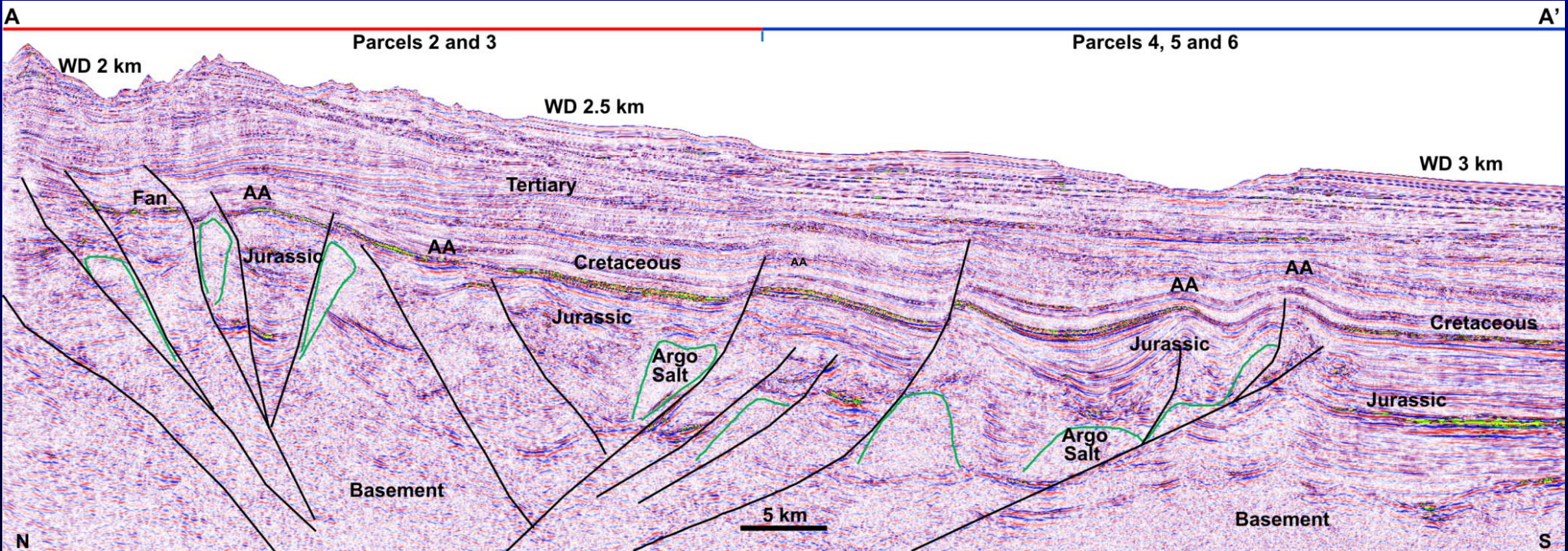
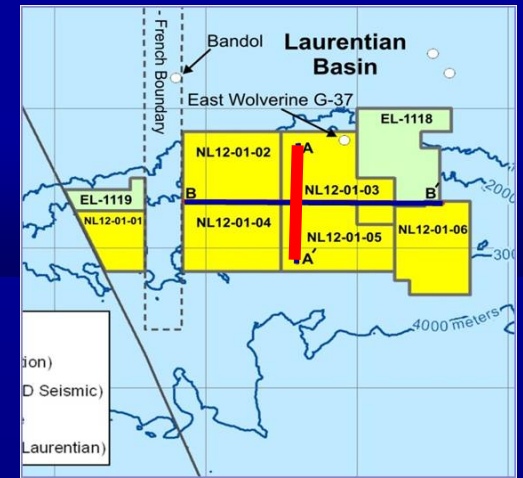
Offshore Land Rights – Issuance Process



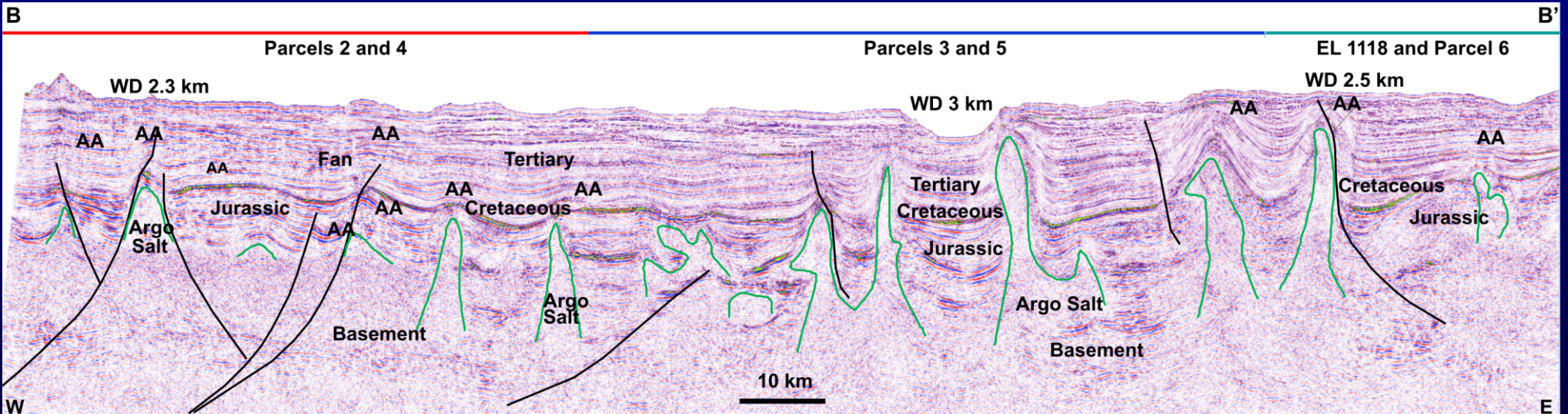
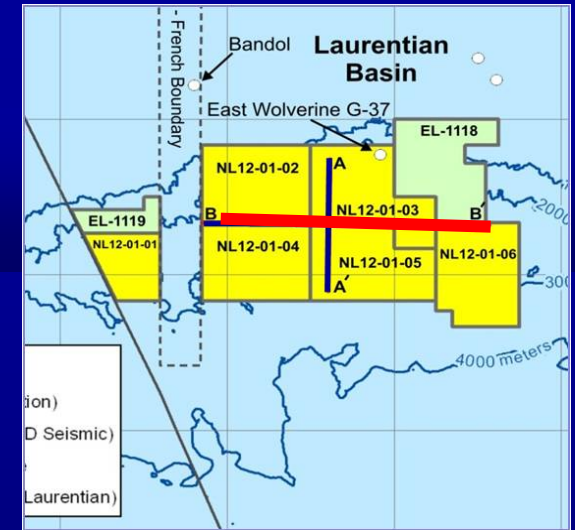
Laurentian Basin CFB NL12-01



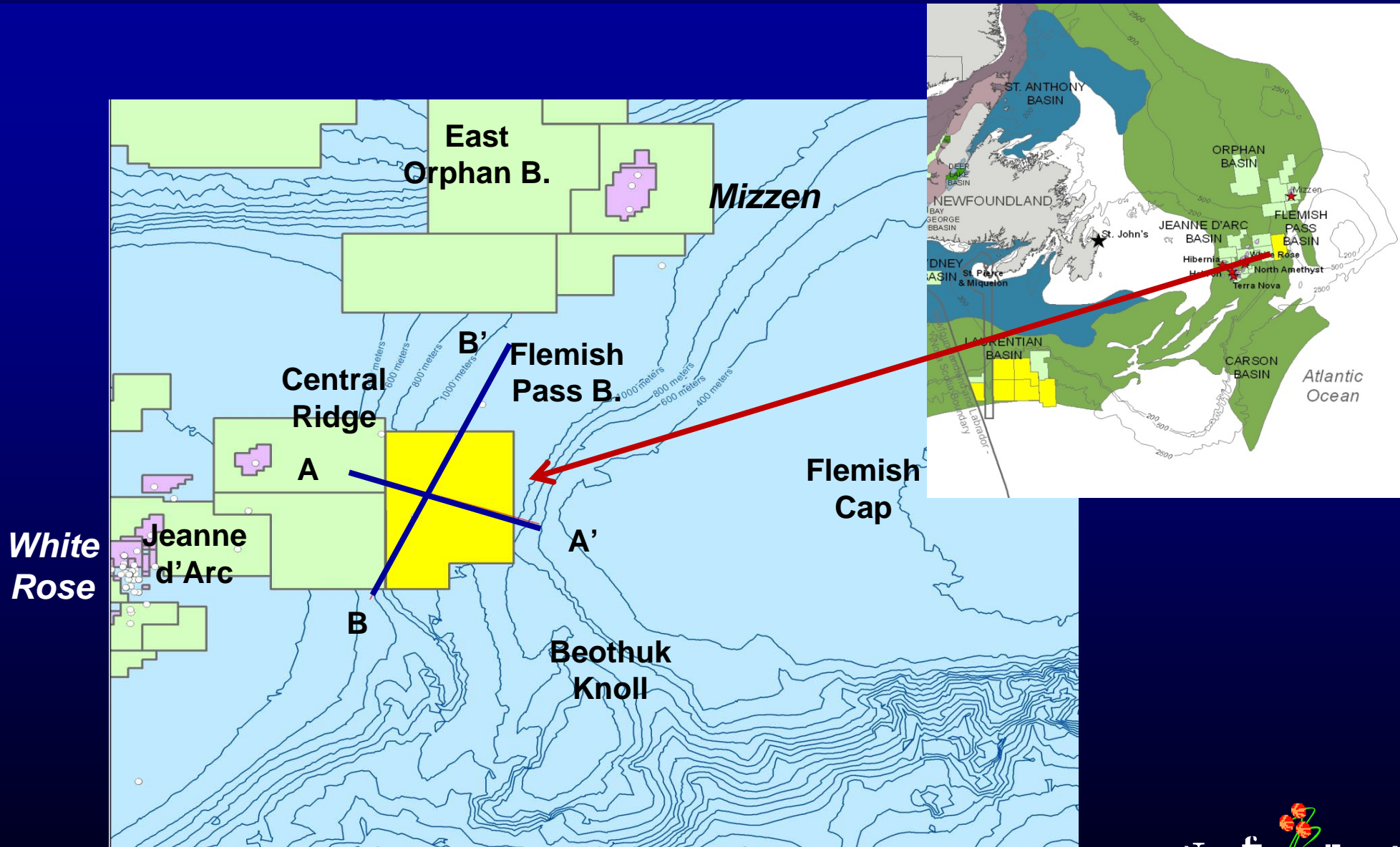
Call for Bids: Laurentian Basin



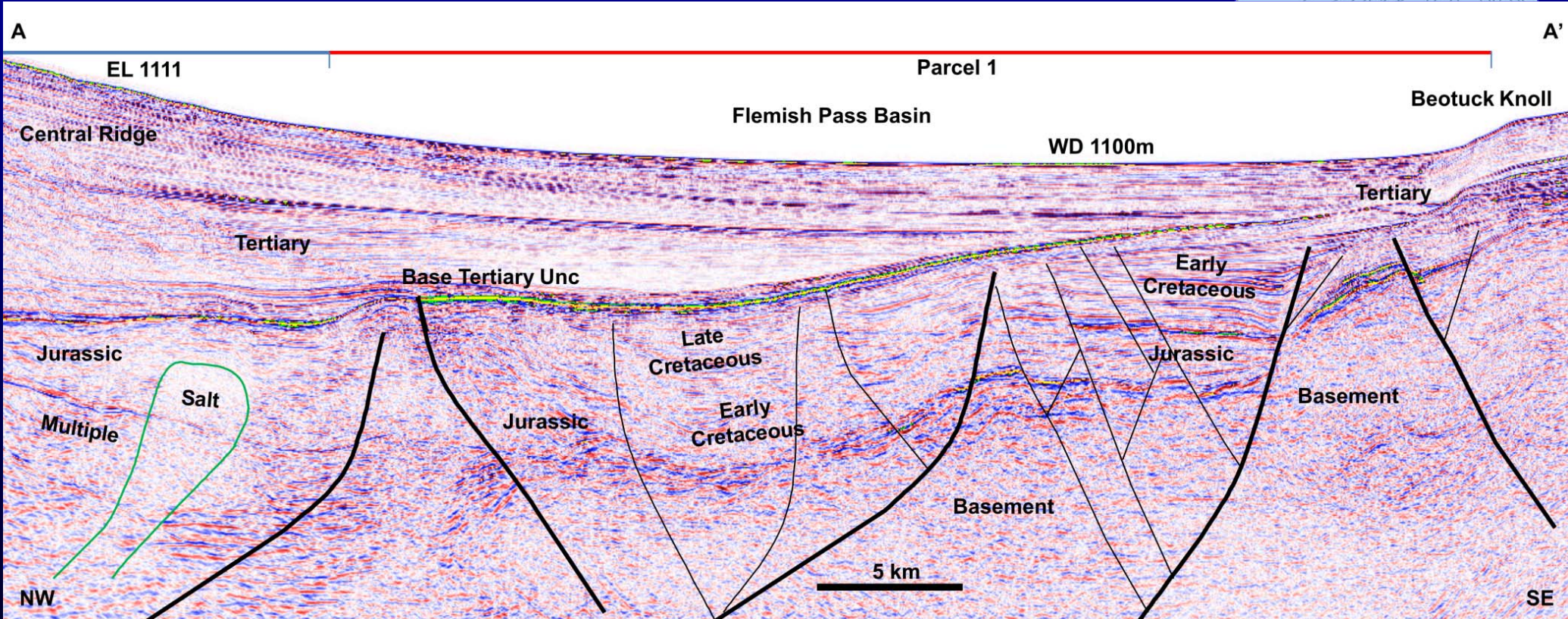
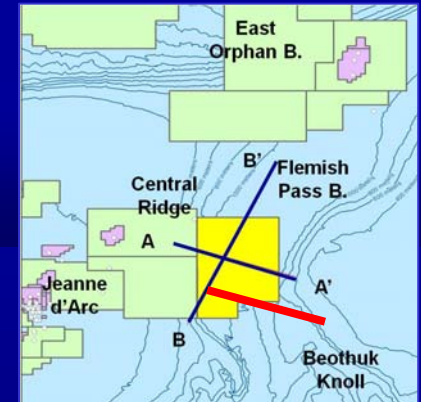
Call for Bids: Laurentian Basin



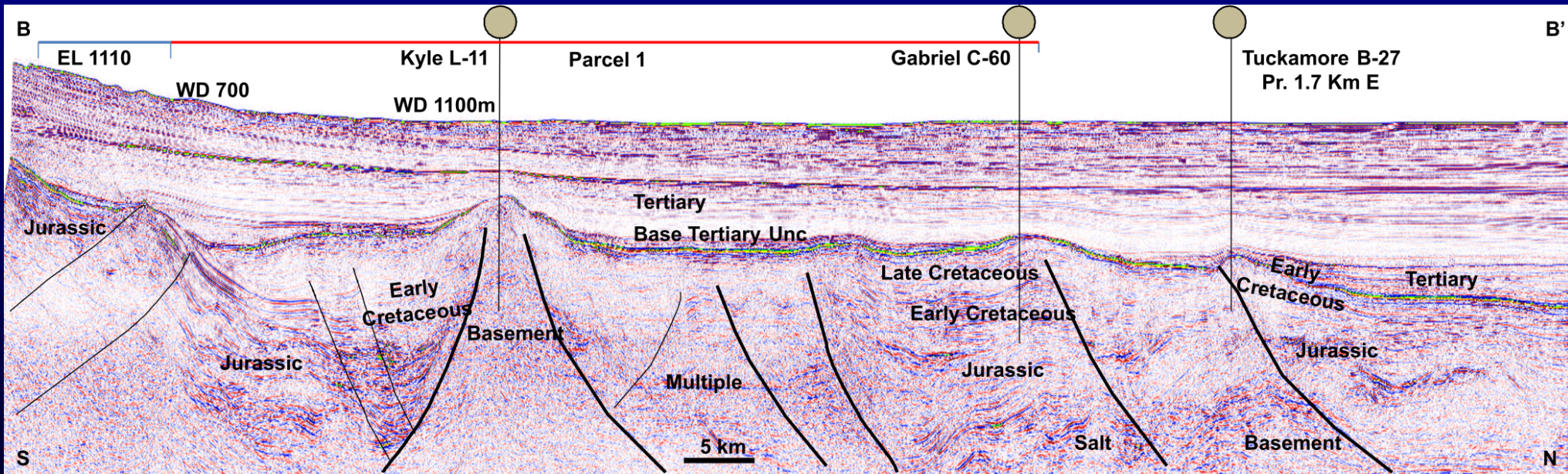
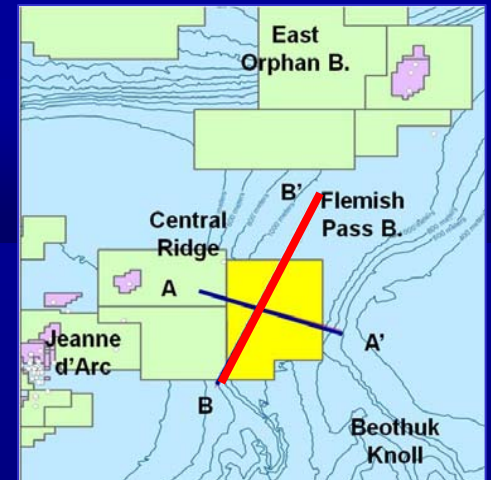
Call for Bids NL12-02 Flemish Pass Basin



Call for Bids: Flemish Pass Basin

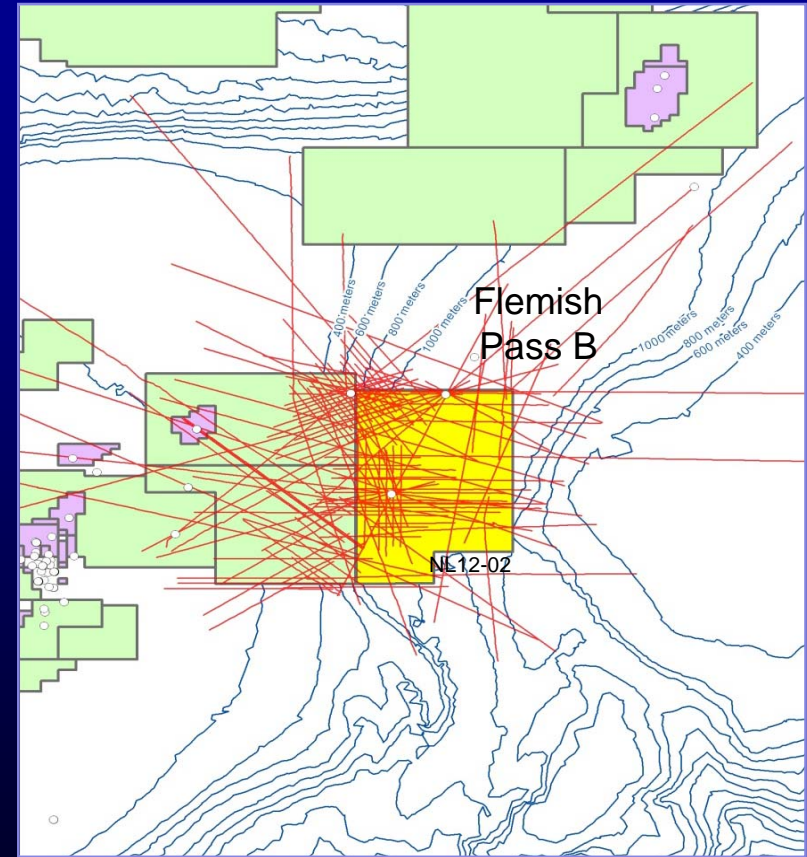
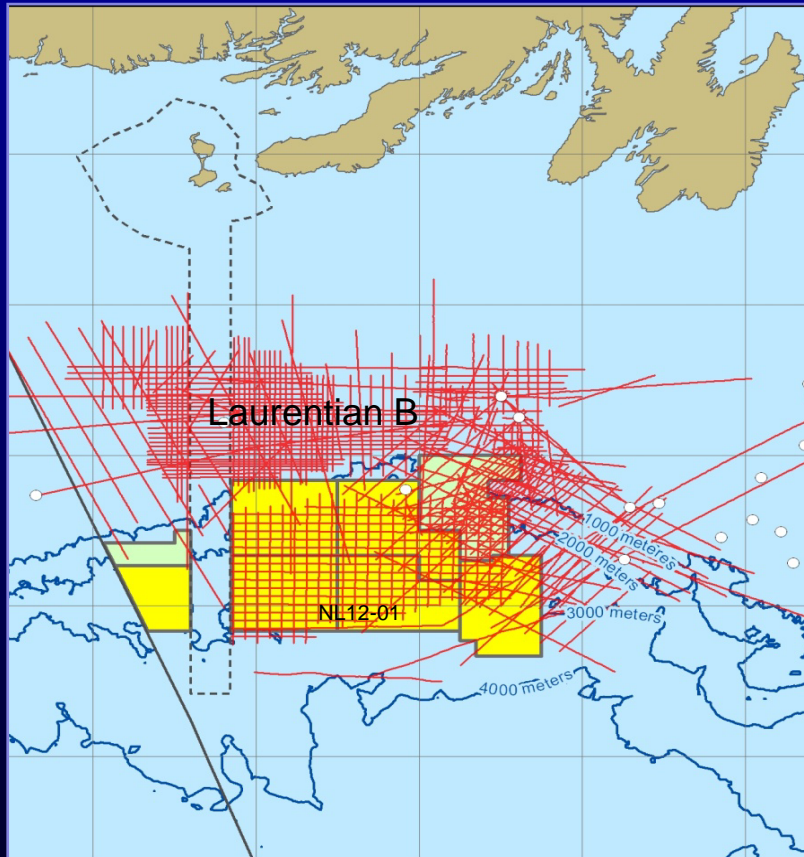


Call for Bids: Flemish Pass Basin



Call for Bids: Seismic Coverage

- Large multi-client modern surveys, including some 3D.
- Only released, publically available data (CNLOPB) shown below.



Summary

- >3 Billion bbls Oil and >11 Tcf Gas discovered to date.
- Daily production approx 275,000 bopd.
- 1.3 Billion bbls light crude oil produced since first oil in 1997.
- Vast area, very lightly explored to date. Numerous prospective basins.
- Increasing exploration activity in offshore area, open to new entrants.
- New significant discovery: Mizzen O-16 in Flemish Pass Basin.
- Six Intermediate to deepwater large parcels in Laurentian Basin and one in Flemish Pass Basin are now offered at the 2012 NL Call for Bids to be closed November 1st , 4 pm, NST.
- Favourable fiscal regime, geopolitically stable.
- Proximity to North American and European markets.



**Come visit us for more information
at our booth #1831**



THANK YOU





Newfoundland
Labrador
CANADA