



Nova Scotia
OFFSHORE

Offshore Nova Scotia, Canada
opportunity, prospectivity and resource potential

Petroleum Resources Group
Department of Energy



NEW GEOSCIENCE. NEW OPPORTUNITY.

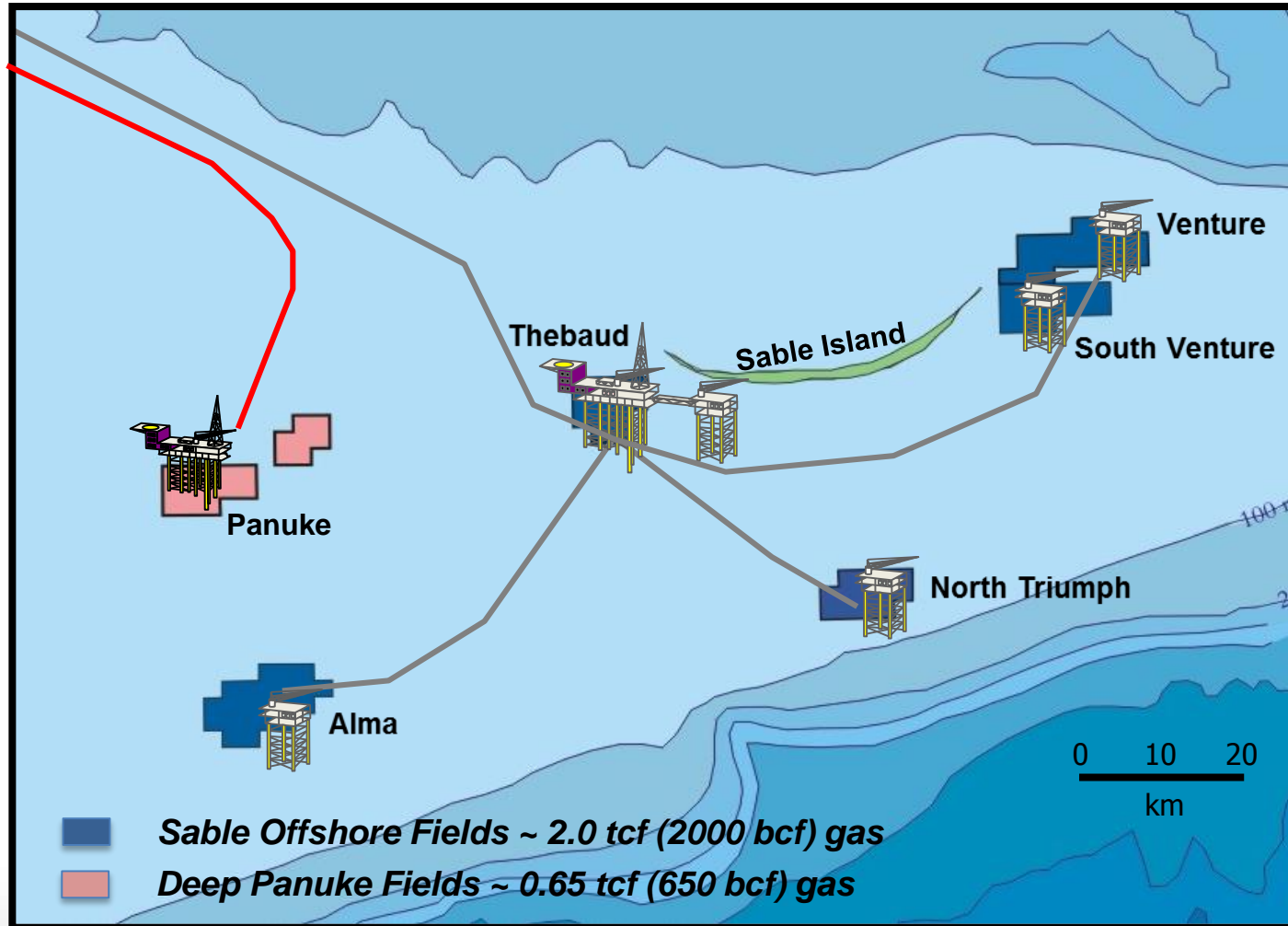
Current Offshore Projects

Sable Offshore Energy Project

(1999 – 2015+)

Deep Panuke Project

(2013 – 2020+)



Natural Gas Distribution



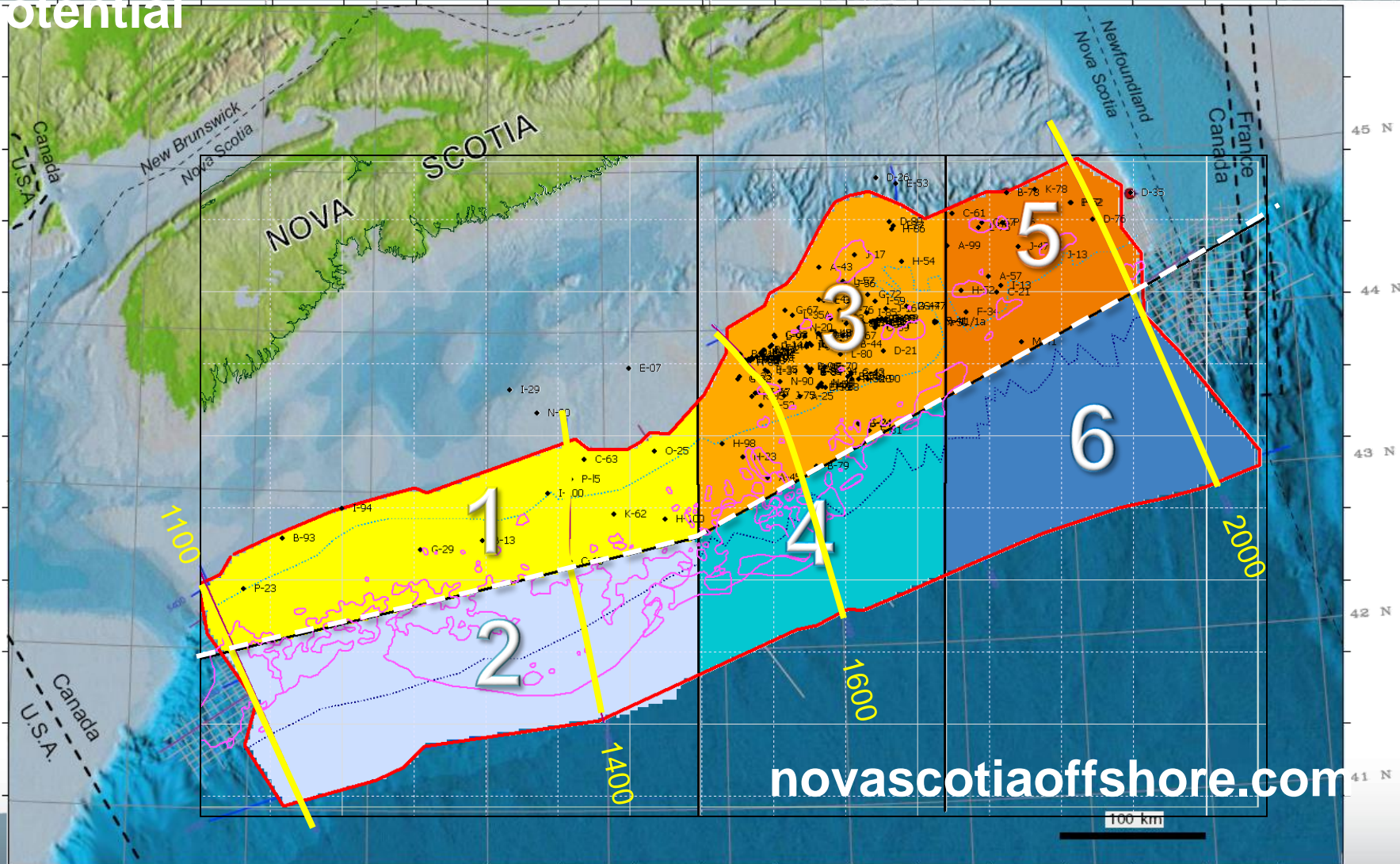
Play Fairway Analysis (PFA) – Results

8 billion barrels oil and 120 tcf gas



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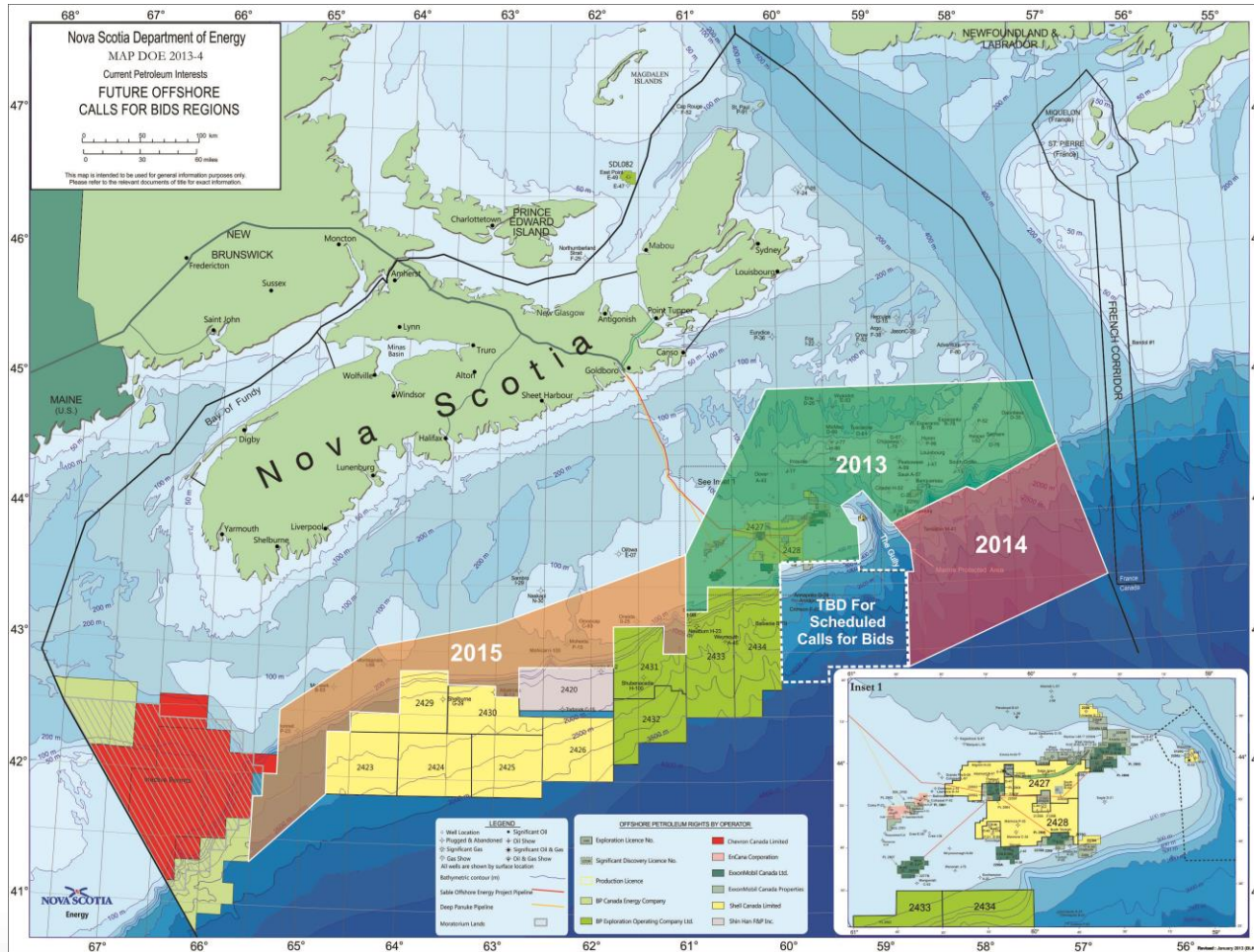
Potential



11/03/2013

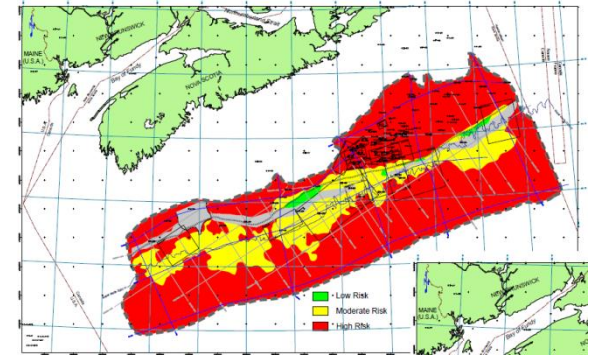
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Multi Year Rights Issuance Plan



Play Fairway Analysis (PFA)

- Rigorous play based analysis
- New oil paradigm (Early Jurassic source)
- Two main source rocks
 - Lower Jurassic
 - Tithonian
- Three main play systems
 - Jurassic carbonates (reef and oolites)
 - Upper Jurassic Clastics
 - Lower Cretaceous delta and turbidites
- Unrisked in place potential: **120 TCF** gas and **8 bnbbbls** oil

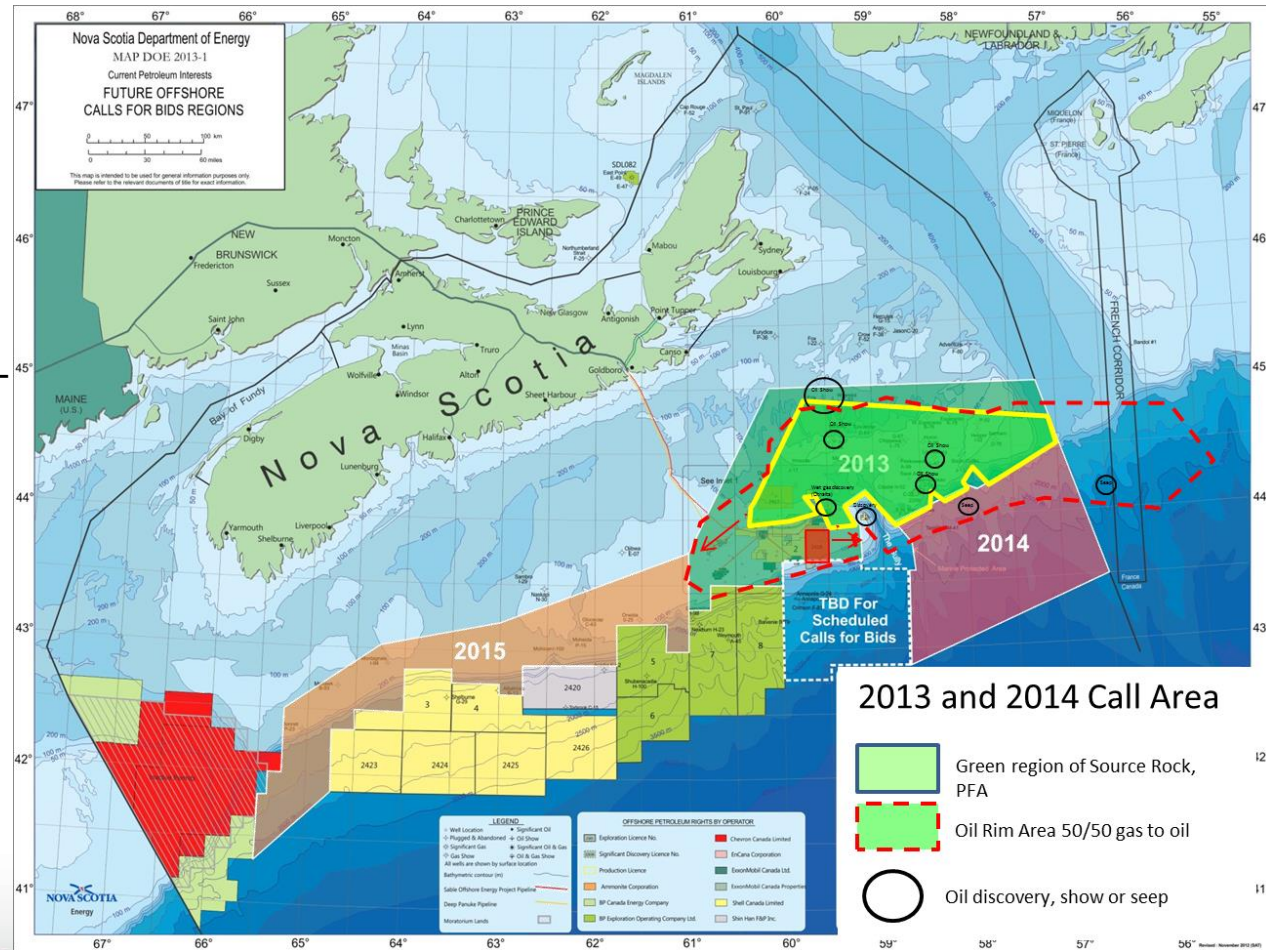


TOTAL ATLAS AND ANALYSIS IS FREE AT
novascotiaoffshore.com

or see us at our booth for a DVD

2013 -2014 Call for Bids Area

- Multiple petroleum systems
 - gas/condensate + oil plays
 - Frontier oil play gaining global exposure
- Regional Jurassic marine source rock
- Multiple reservoir possibilities
 - Major proven delta (Sable) – north
 - Clastic input along margin and south west
 - Carbonate bank
- Substantial resource (**~120 TCF + 8 bnbbbls**)
 - ~3-5% of expelled hydrocarbons
- Distributed over multiple plays



2013 -2014 work programme



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- Rock physics analysis
 - Seismic attributes
- Seismic data study
 - What are key controls on data quality
 - Reprocess seismic to understand variability
- **Geochemistry** to define further the reach of the Jurassic source rock
- **New mapping of main PFA surfaces** and relationship to well results.



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Department of Energy – Booth #124
Call for Bids Open April 2013

Thank you



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