



Nova Scotia OFFSHORE

Offshore Nova Scotia Update

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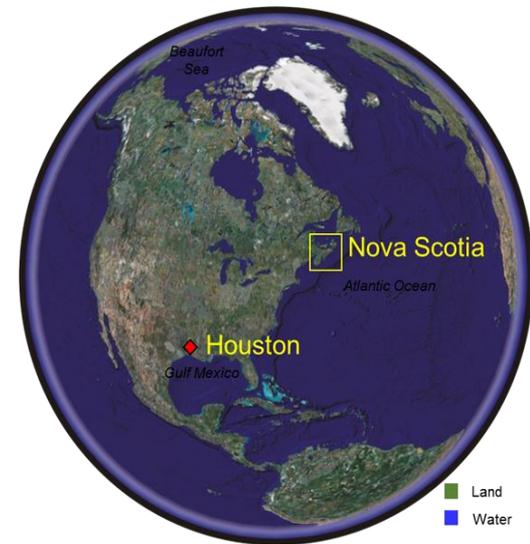
February 22, 2012



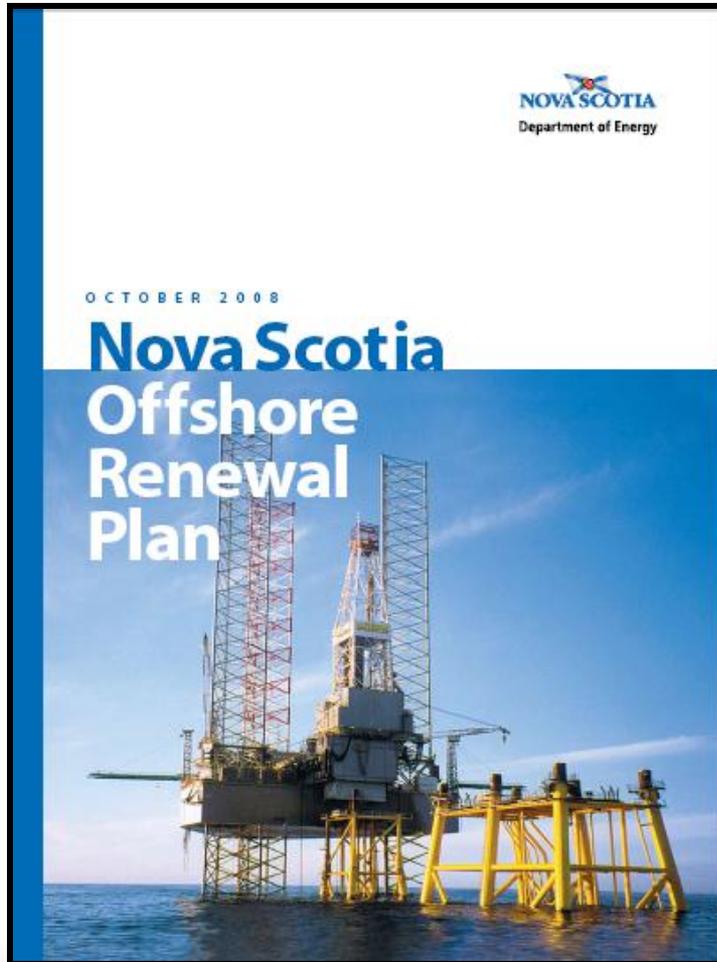
NEW GEOSCIENCE. NEW OPPORTUNITY.

Agenda

- Overarching Plan
- Current Projects
- Components of PFA
- PFA Outcomes
- New Resource Assessment #'s
- Future Areas for Calls (2012-2014)



Overarching Offshore Renewal Plan



GEOSCIENCE

- 4 I. Resource Analysis Project 
- II. Data Package Project

NEW POLICY

- 5 III. Access to Infrastructure Project
- IV. Data Release Project
- V. Rights Issuance Project
- VI. Research and Development (R&D) Incentives Project
- VII. Global Competitiveness Project

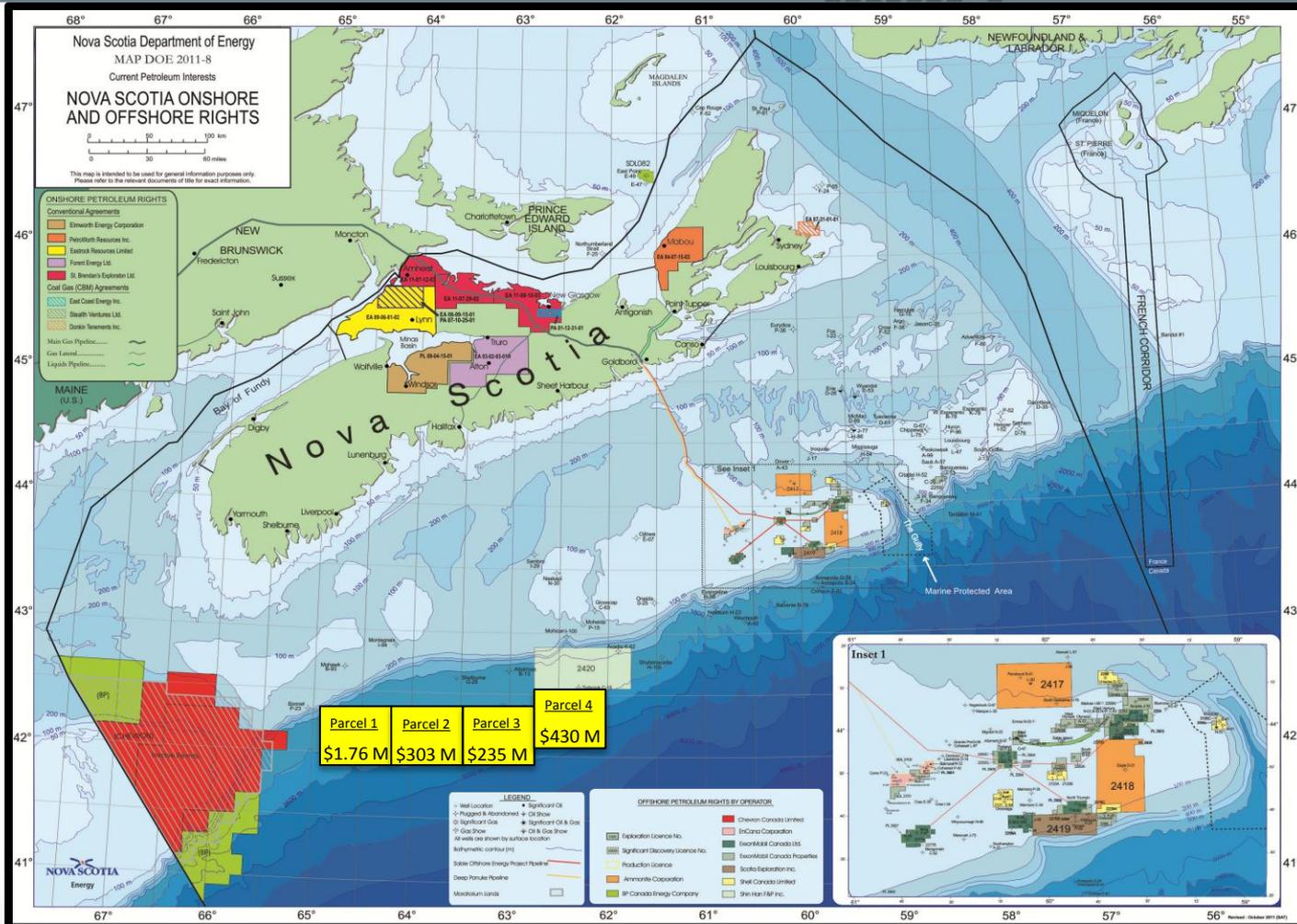
REGULATION

- 6 VIII. Coastal Trading Act Project
- IX. Frontier Offshore Regulatory Renewal Initiative (FORRI) Project
- X. Occupational Health and Safety (OHS) Project
- XI. Drilling Rig Pool Project
- XII. Extended Rig Duty Relief Project

INVESTMENT ATTRACTION

- 7 XIII. Interim Investment Attraction Project 

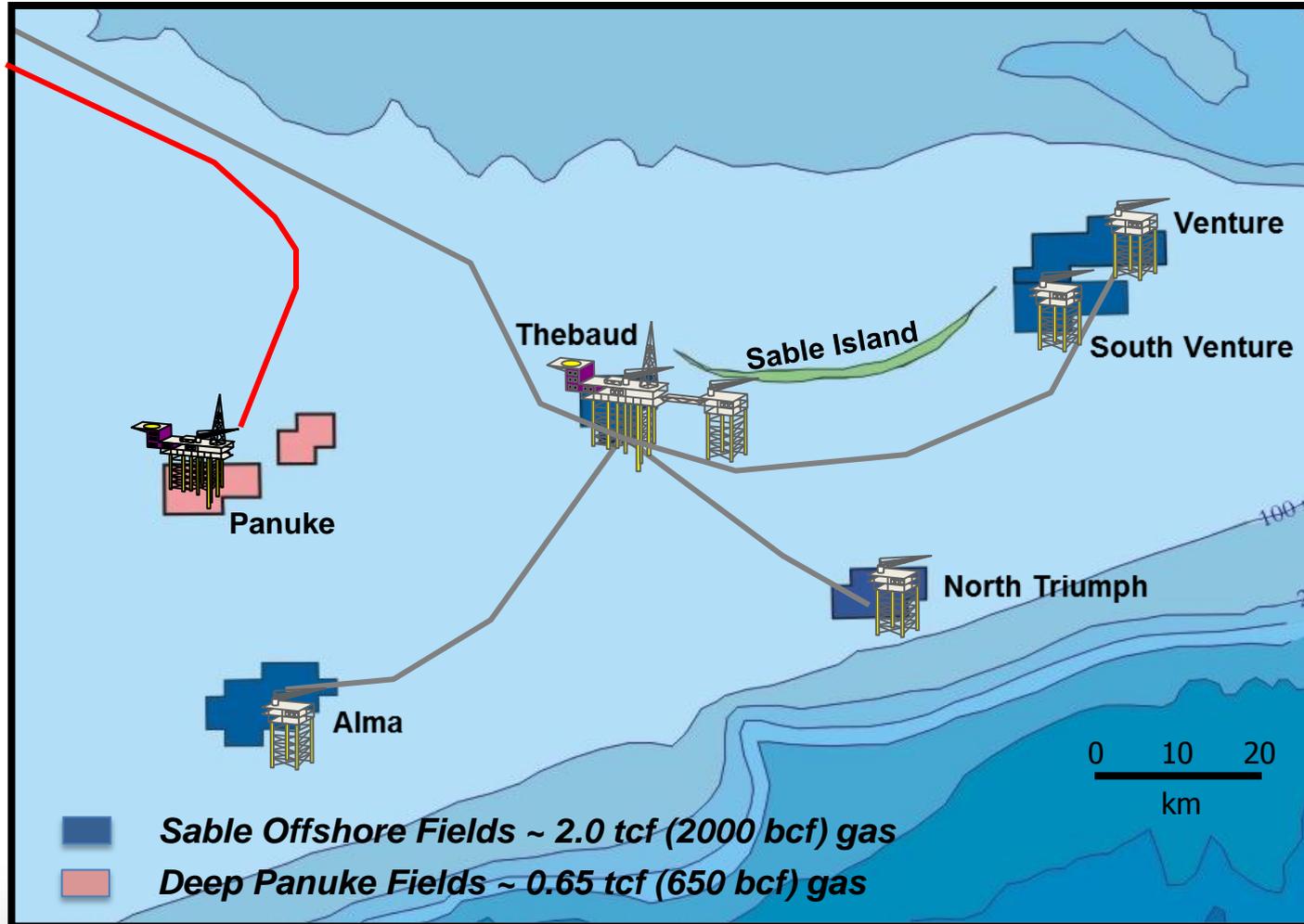
NS11-1 Results : Shell (\$970 Million)



Current Offshore Projects

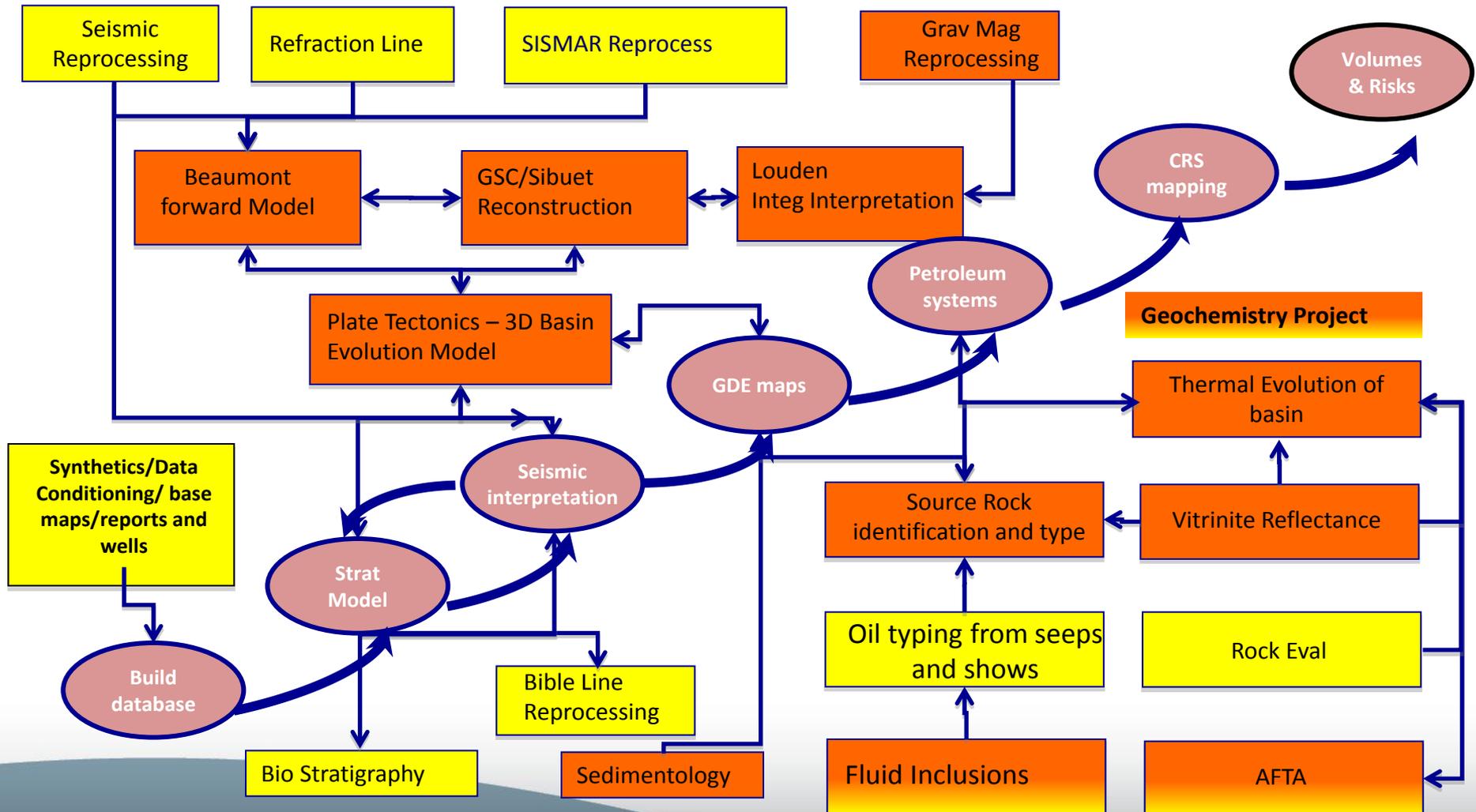
**Sable Offshore
Energy Project**
2.0 tcf rec
(1999 – 2015+)

**Deep Panuke
Project**
0.65 tcf rec
(2012 – 2020+)



Play Fairway Analysis - Workflow

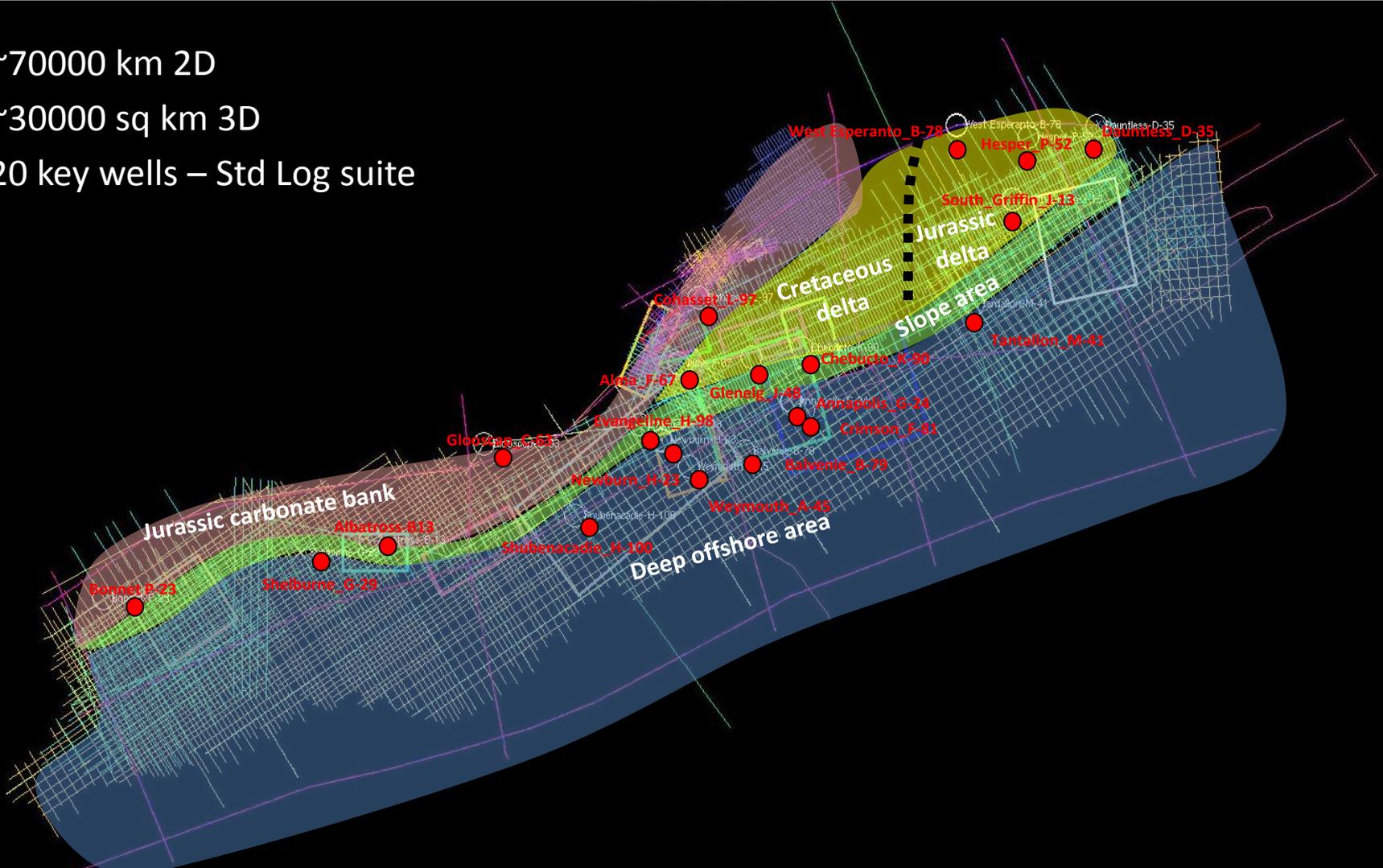
Plate Tectonics Project



Digital Database

Project: NOVA_SCOTIA

- ~70000 km 2D
- ~30000 sq km 3D
- 20 key wells – Std Log suite



22/02/2012

Hydrocarbon Occurrences

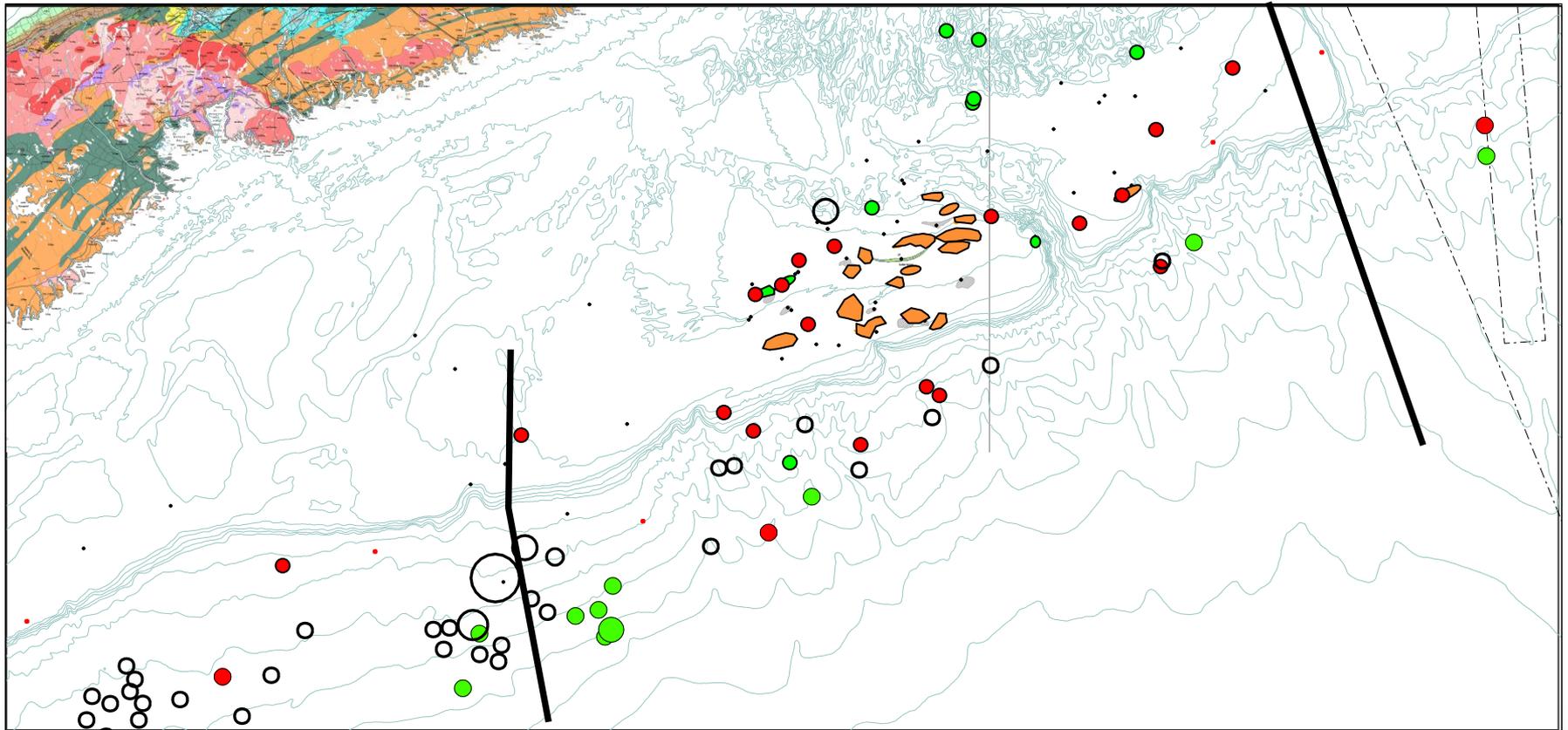
FIELDS



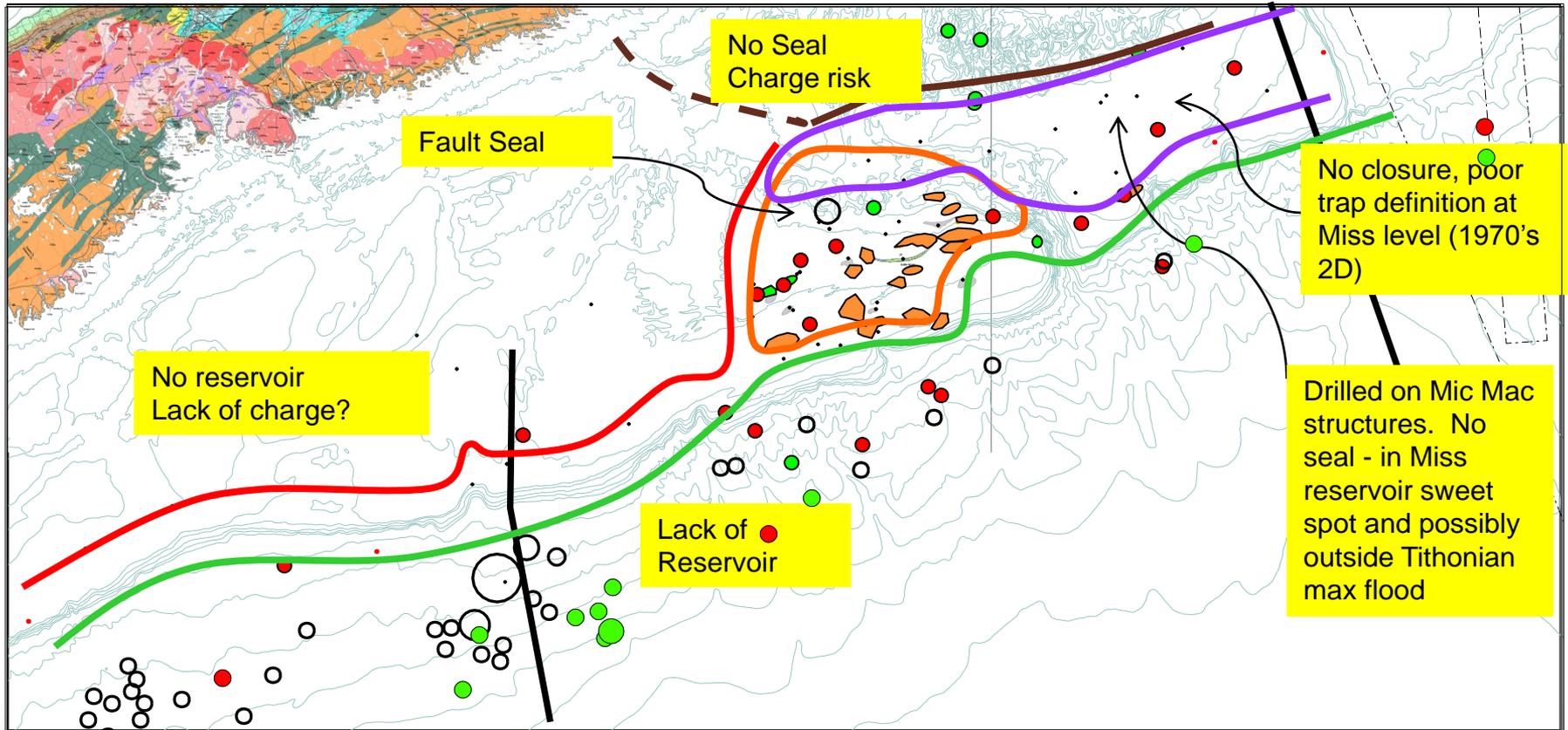
SHOWS and PISTON CORES



DHI's



Well Failure Analysis

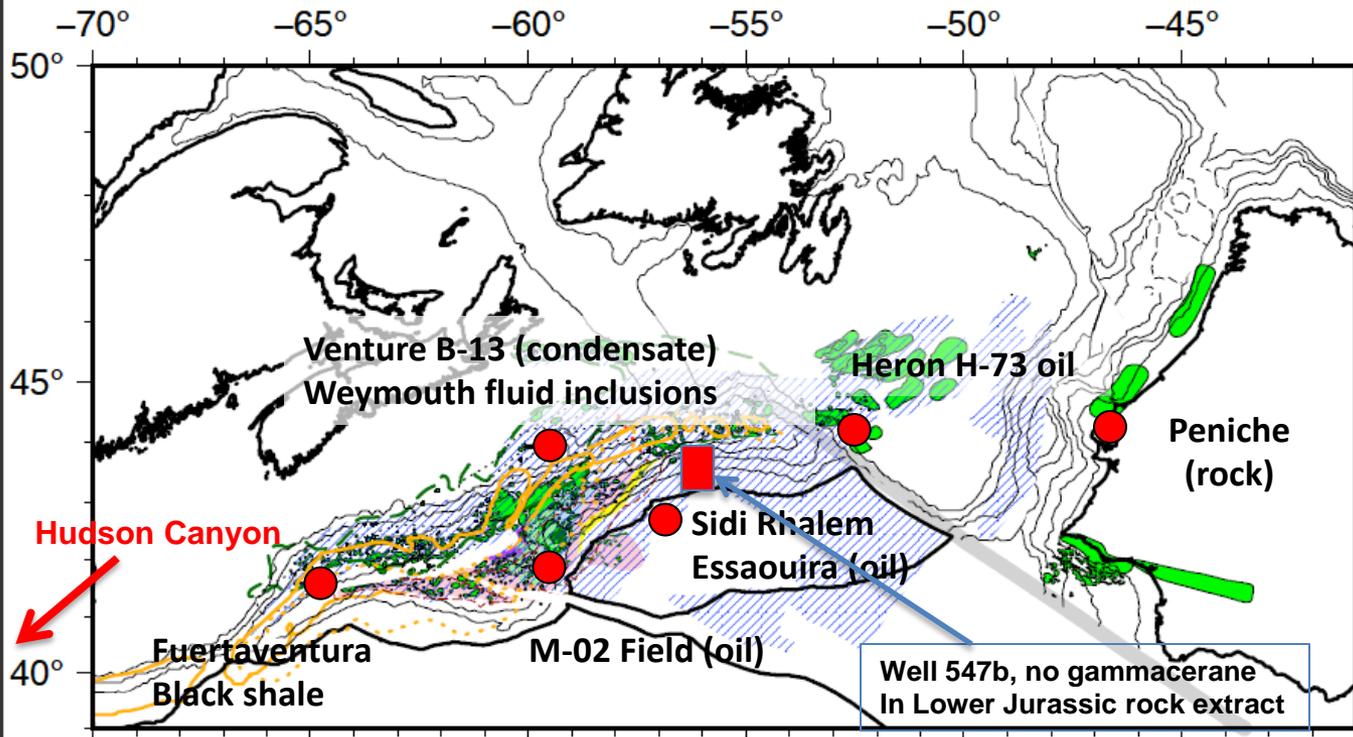


Lower Jurassic Source Rock Indications

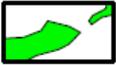
Salt distribution

ECMA reconstruction (end of rifting)
(Sinemurian/Pliensbachian limit, 190 Ma)

● Gammacerane



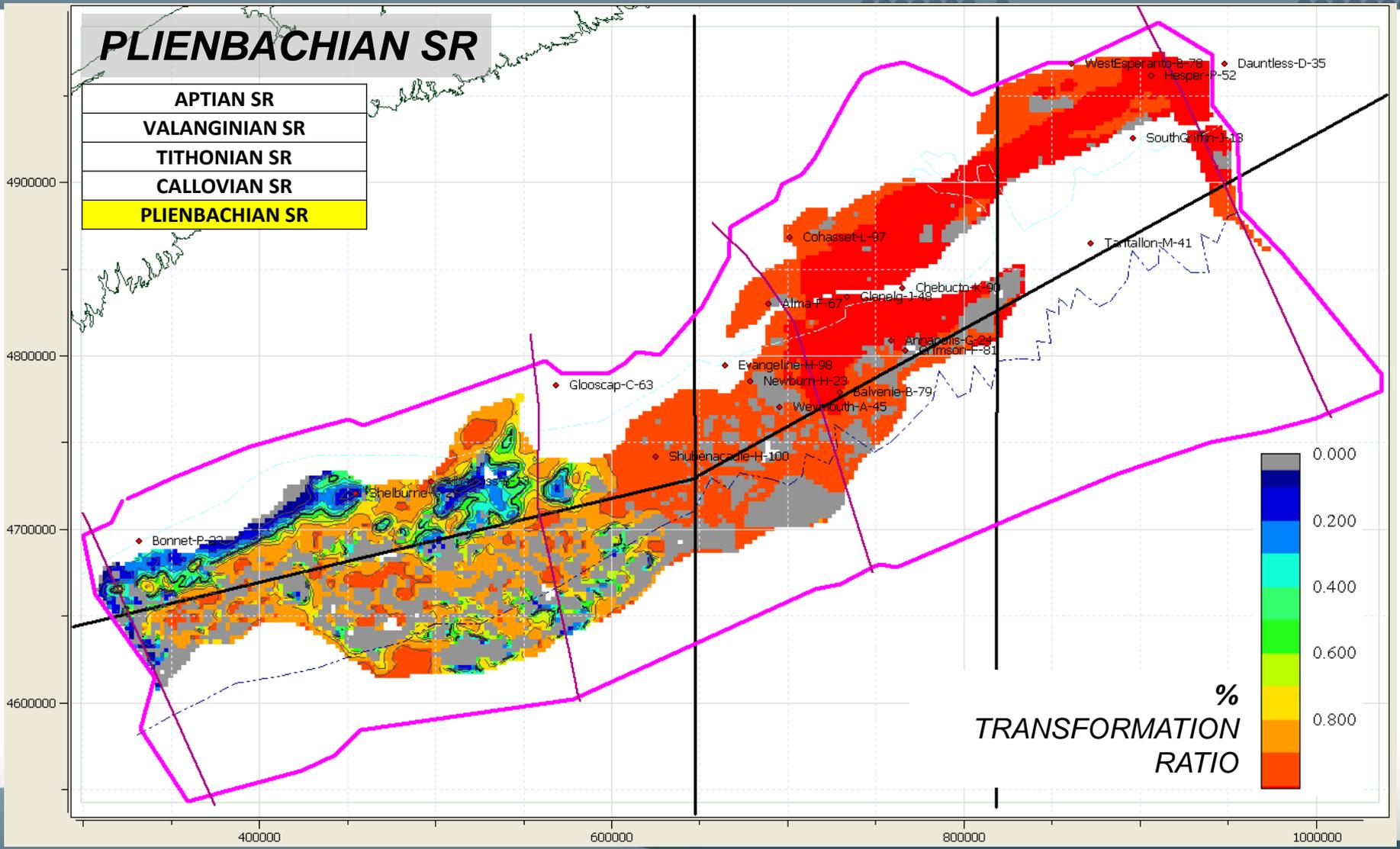
North America

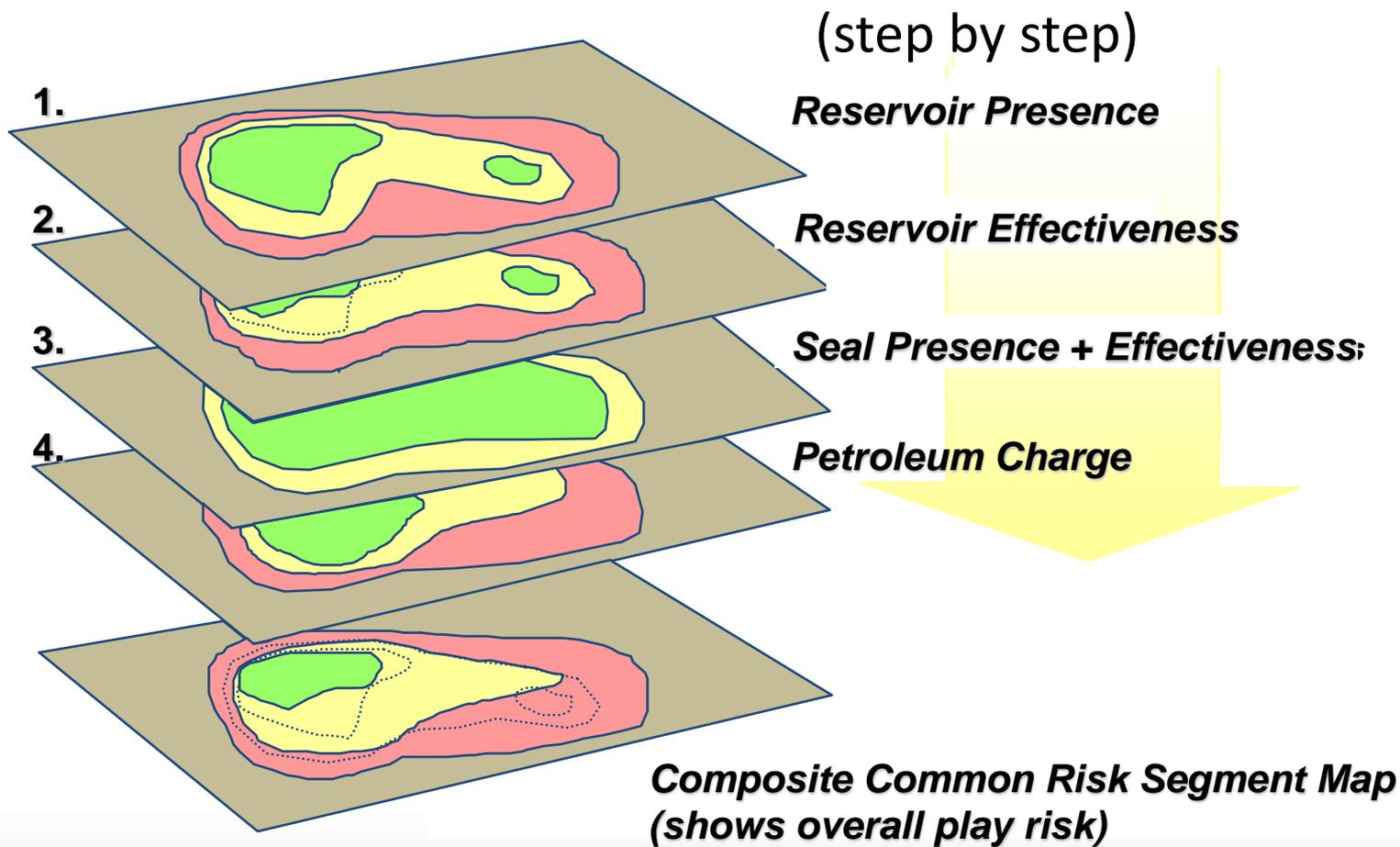
-  Outlines of salt structures (Beicip, Davison, Edwards, Wade et McLean)
-  Extent of halite (Labails)
-  Autochthonous salt (Albertz)
-  Salt and fault (Beicip, preliminary)

Africa, Meseta and Iberia

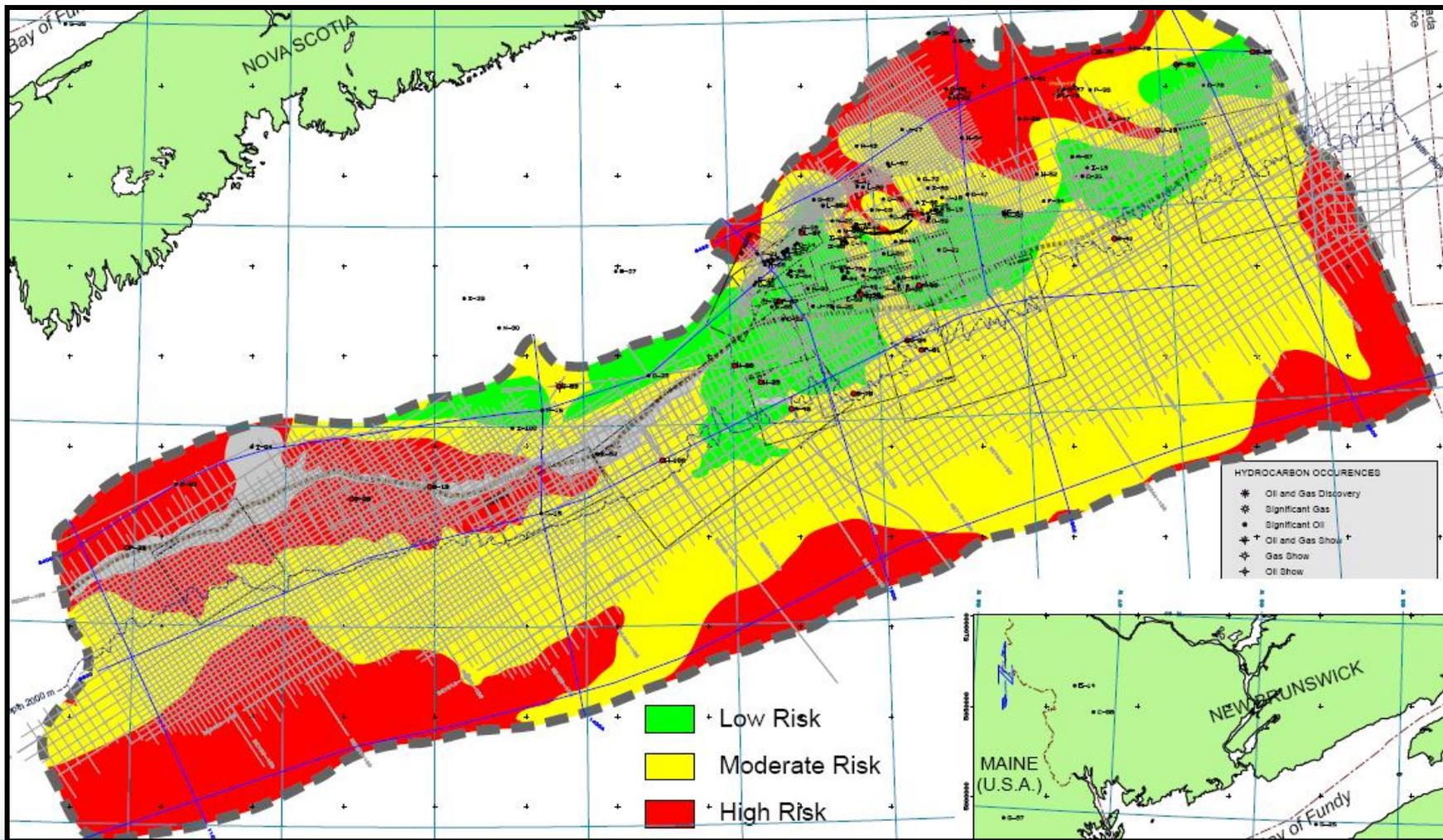
-  Outlines of salt structures (Tari & Molnar, Maillard, Davison, Matias)
-  Rafts and isolated diapirs (T&M)
-  Diapiric salt and turtle structures (T&M)
-  Canopy salt (T&M)
-  Toe-thrust zone (T&M)
-  Allochthonous salt (Hafid)
-  Salt pillow (Hafid)
-  Extent of halite (Labails)
-  Extent of halite (Nemcok)

Source Rocks Modeling – Transformation Ratio





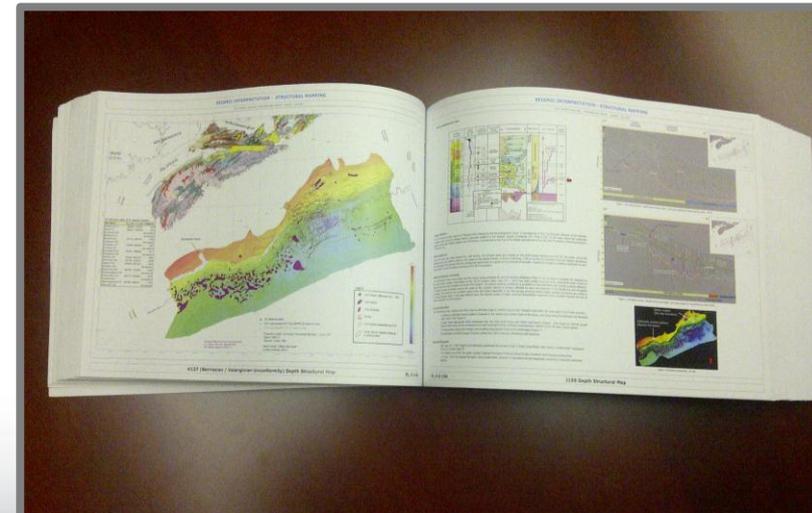
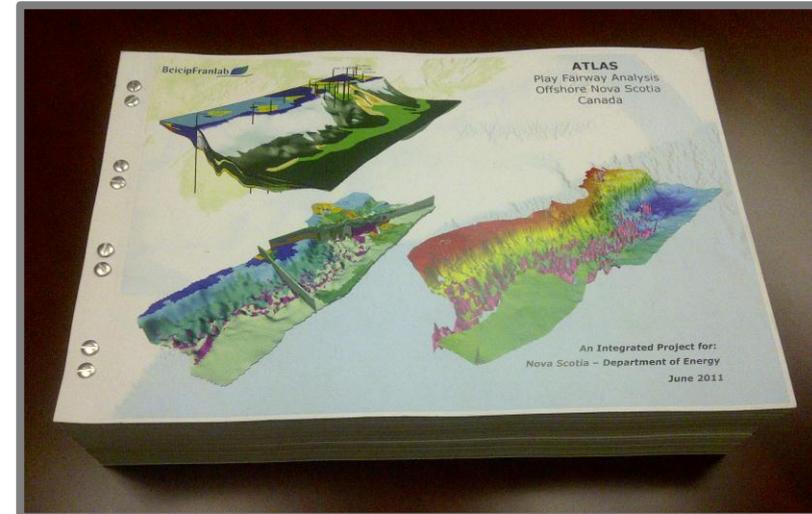
CRS Map – Early Cretaceous



Play Fairway Analysis

\$15 million Investment by the Nova Scotia Government

- Digital Atlas Available - www.offshorenovascotia.com
- New Rights Issuance Rules Created
- Marketing Strategy, Being Implemented Now
- Call for Bids in 2012
(nominations until March 16, 2012)





Nova Scotia OFFSHORE

Booth #947
Thank you



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