

... it's happening here.



Larry Hicks

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APPEX 2014

Newfoundland and Labrador

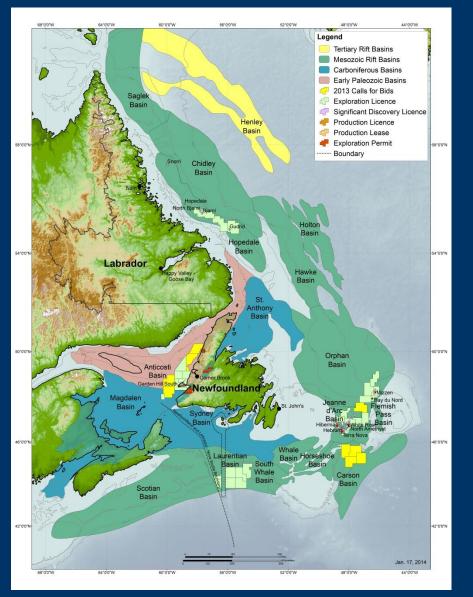


- Most easterly Province in Canada
- More than 4000 km of coastline and water depth up to 4000 meters
- ✓ Population ~ 500,000

- ✓ Financially and Politically Stable
- ✓ Adjacent to Northeast US energy market
- ✓ Access to EU markets



Energy Warehouse



- Home to some of the largest unexplored basins in the world
- Area of petroleum potential greater than 1 million km²
- Four offshore projects producing ~ 25% of Canada's conventional light crude oil
- ✓ Light crude production of ~100 million barrels annually
- ✓ Total cumulative oil production in excess of 1.4 billion barrels

< 6% held under licence



Regulatory Framework

OFFSHORE



- Administered by joint Federal / Provincial Board
- ✓ Canada Newfoundland & Labrador Offshore Petroleum Board (C-NLOPB)
- ✓ Office St. John's, NL
- Maintains Data Repository, Core Storage Facilities, etc.
- ✓ <u>Web</u>: www.cnlopb.nl.ca









- ✓ Administered by Province
- Department of Natural Resources
 (DNR) Energy Branch
- ✓ Office St. John's, NL
- Maintains Data Repository, Core Storage Facilities, etc.
- ✓ Web: www.nr.gov.nl.ca/nr





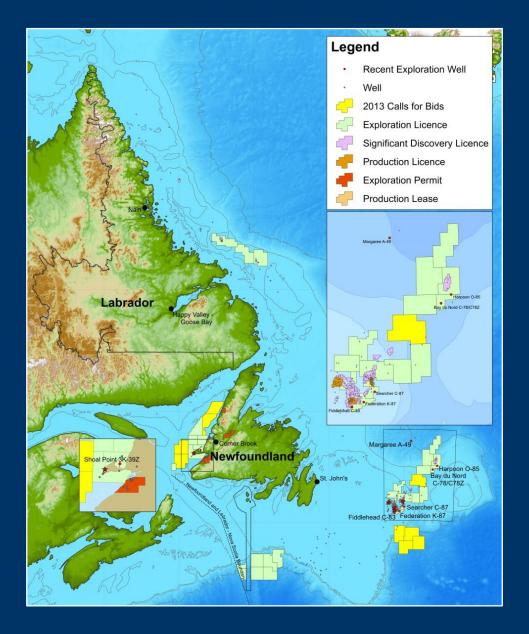
Activity Summary





(to December 31, 2013)

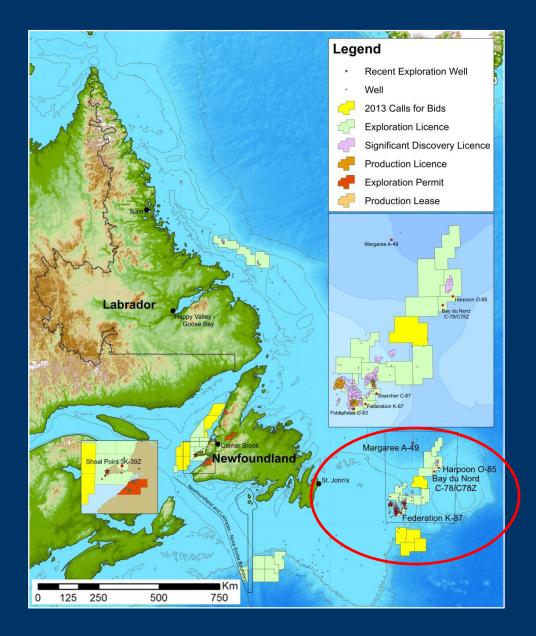
Recent Exploration Activity



- Large scale seismic programs have been completed
- Significant exploration drilling activity
- Avg. of \$272 mm/year spent for exploration over past 5 years, ending 2012
- ✓ \$1.2 billion in outstanding work commitments
- Recent discoveries in the Flemish Pass Basin



2013 Drilling Activity

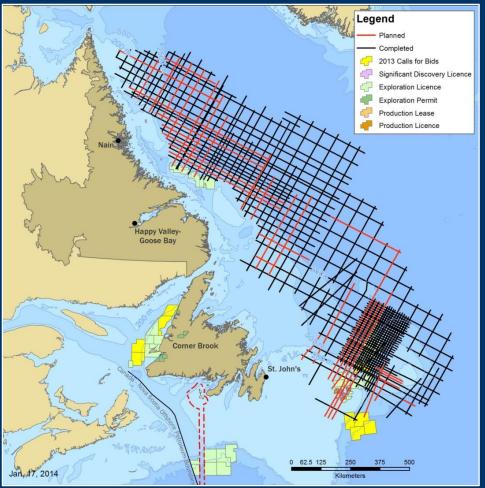


Wells drilled:

- ✓ Margaree A-49 (Chevron)
- ✓ Harpoon 0-85 (Statoil)
- ✓ Federation K-87 (Statoil)
- ✓ Bay du Nord C-78 & C-78Z (Statoil)



Offshore Geoscience Data Program \$20 Million Government Funded Program







Basin Discoveries



Seismic survey results:

- Discovery of three new basins: Henley, Chidley and Holton
- Also significantly increased the size of the Hawke Basin



Offshore Rights Issuance



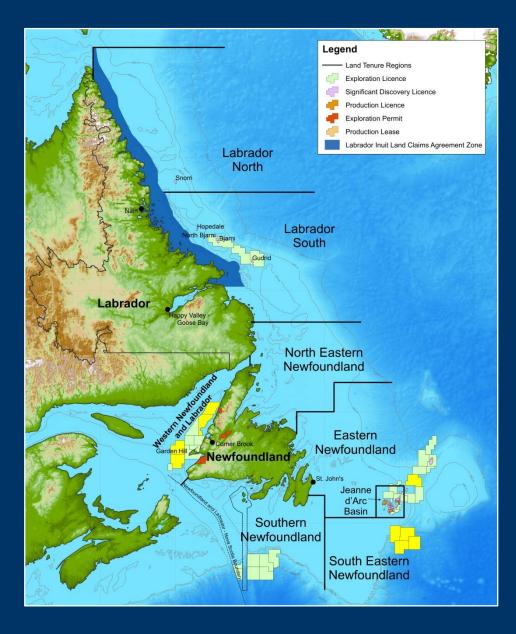
Managed by the Canada
 – Newfoundland and
 Labrador Offshore
 Petroleum Board (C NLOPB)

 Federal and Provincial Entity

 Open and transparent bidding process



New Scheduled Land Tenure



Divided into 8 Regions

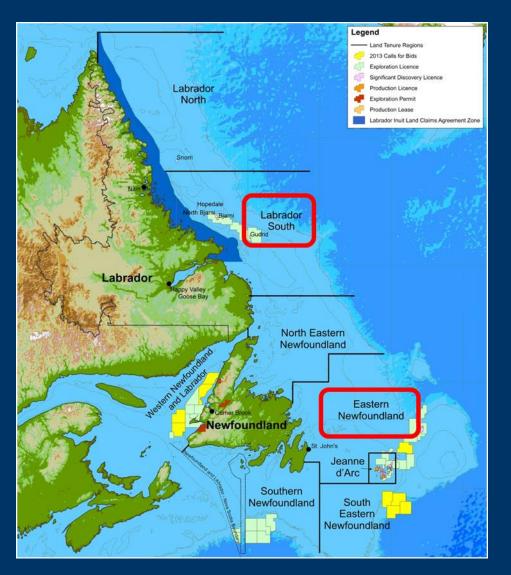
- ✓ Labrador North
- ✓ Labrador South
- ✓ North Eastern Newfoundland
- ✓ Eastern Newfoundland
- ✓ Jeanne d'Arc
- ✓ South Eastern Newfoundland
- ✓ Southern Newfoundland
- ✓ Western Newfoundland

Low Activity (4) High Activity (2)

Mature (1)



Calls for Nominations



Two regions have <u>Areas of</u> <u>Interest</u> open for nominations:

1/ Labrador South- 4 year cycle (2017)

2/ Eastern Newfoundland - 2 year cycle (2015)

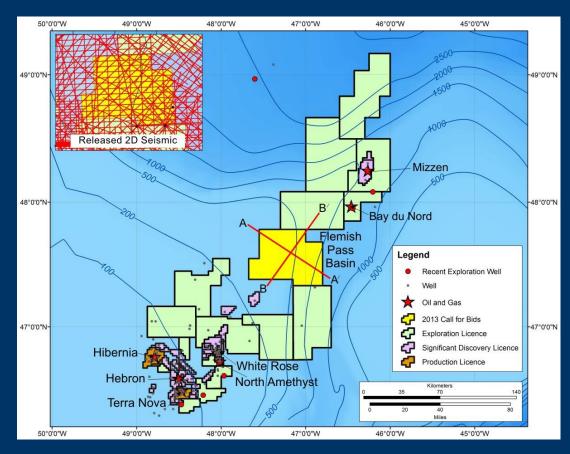


Current Offshore Land Sale (Parcel Descriptions)





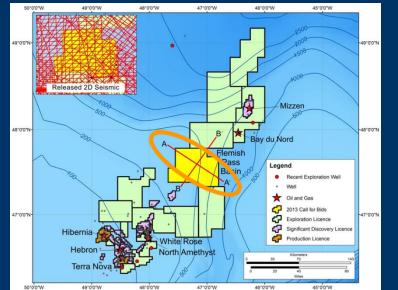
NL 13-01 Flemish Pass



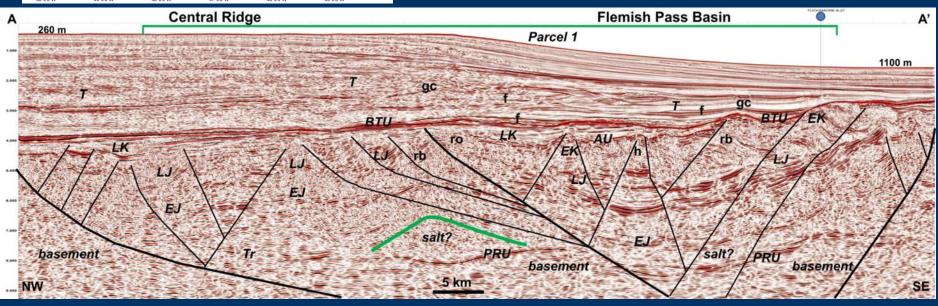
- ✓ One large parcel totaling ~266,000 hectares
- ✓ Water depth ranging from 240 to 1150 meters

 Proven Late Jurassic source; situated between producing Jeanne d'Arc basin and recent oil discoveries in the Flemish Pass basin

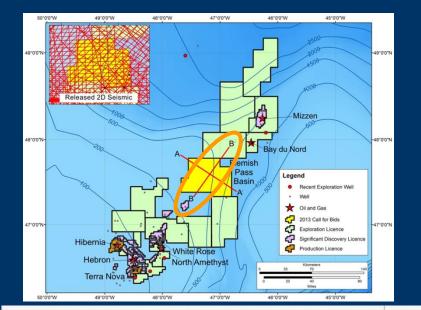




NL 13-01 Flemish Pass

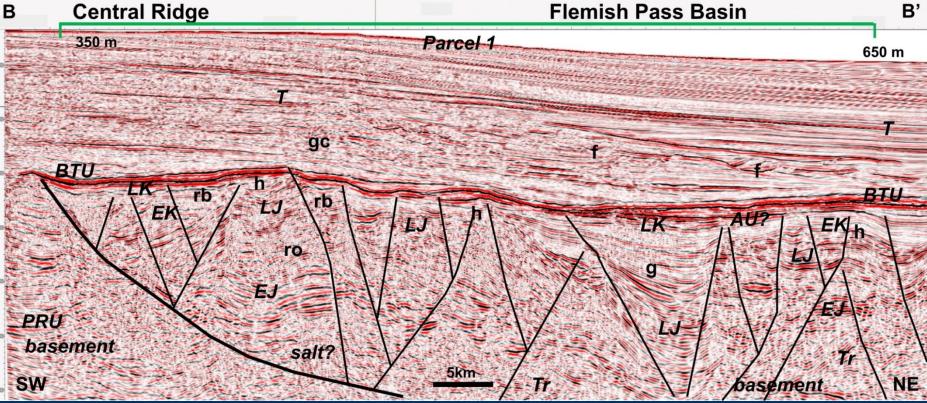






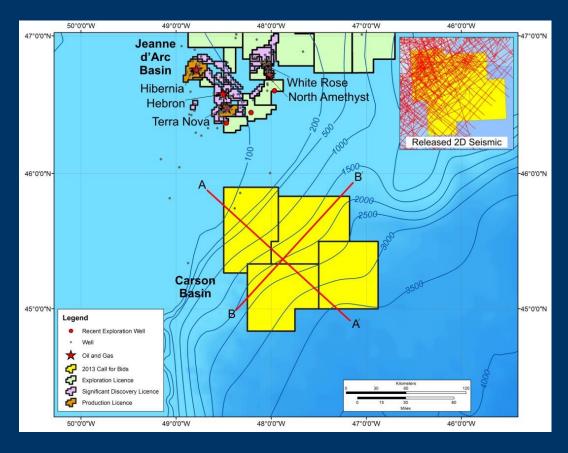
NL 13-01 **Flemish Pass**

Central Ridge



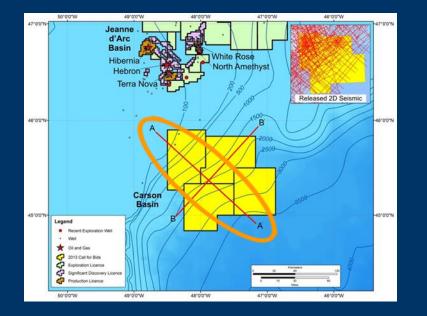


NL 13-02 Carson Basin

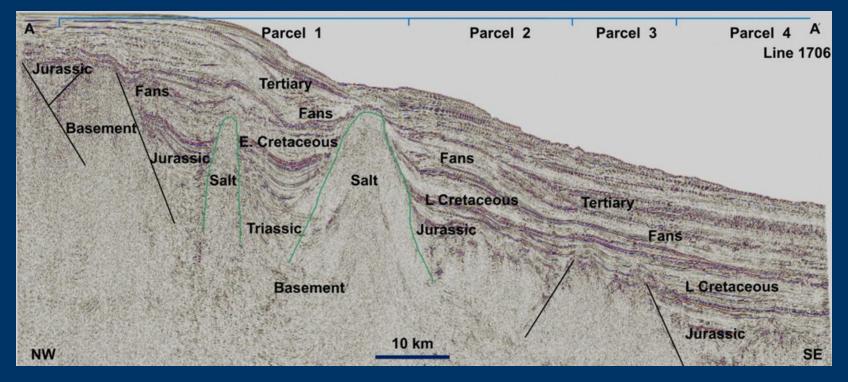


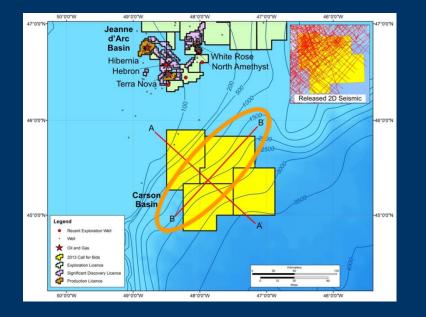
- ✓ Four large parcels totaling ~1.1 million hectares
- ✓ Water depth ranging from 90 to 3600 meters
- No deepwater wells (only 4 shelf wells); based on seismic data, Jurassic section interpreted across all parcels



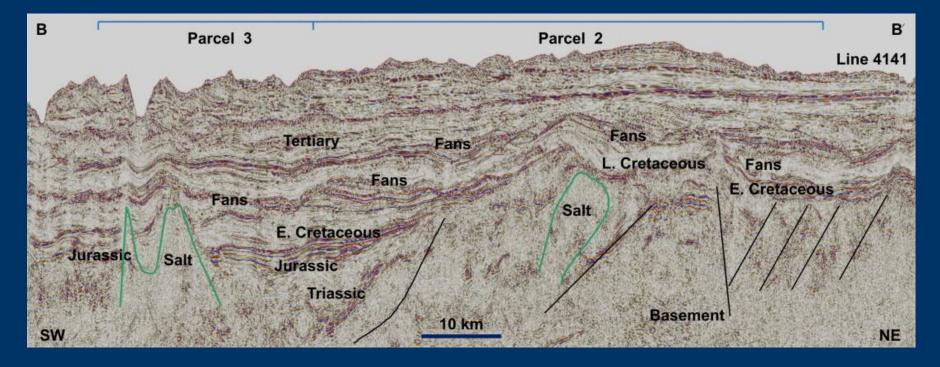


NL 13-02 Carson Basin



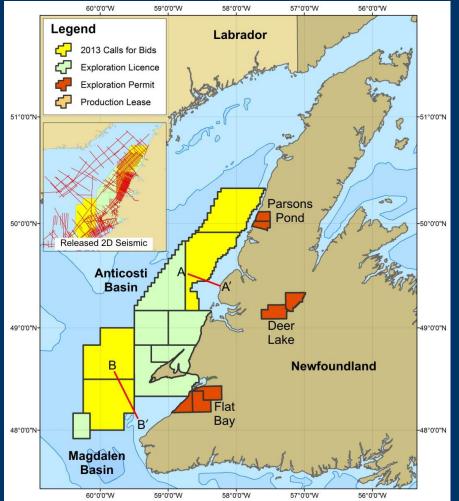


NL 13-02 Carson Basin





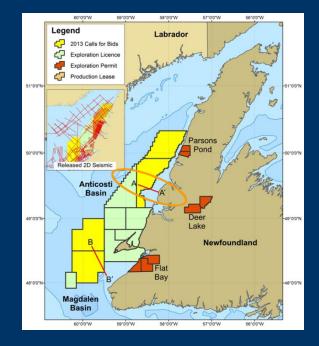
NL 13-03 Western NL



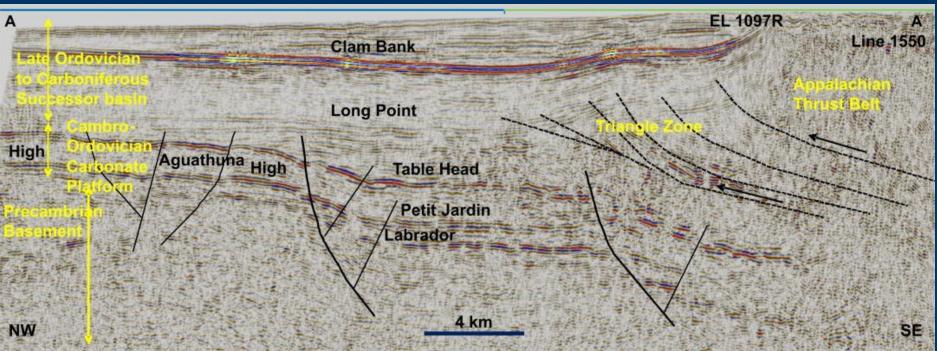
 ✓ Four large parcels totaling ~1.0 million hectares

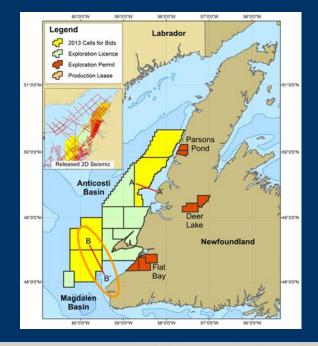
- ✓ Water depth ranging from 90 to 330 meters
- Northern parcel spans boundary between Anticosti foreland basin & west NL triangle zone
- Southern parcel spans boundary between Anticosti basin and Magdalen basin.



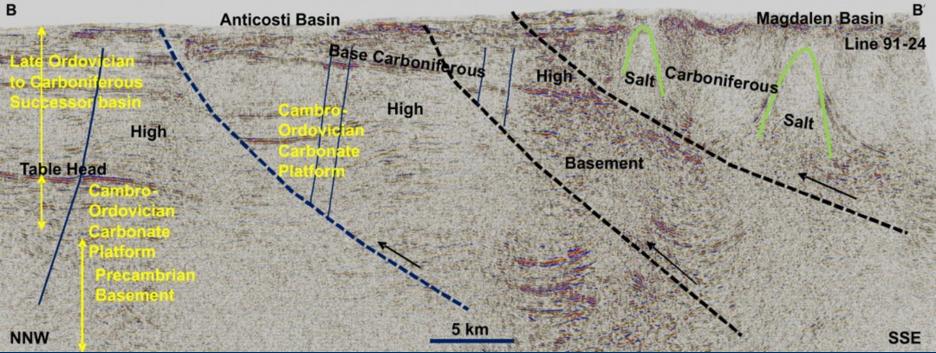


NL 13-03 Western Newfoundland





NL 13-03 Western Newfoundland







What we have to offer:

- ✓ New modern seismic data availability
- ✓ New discoveries proving excellent prospectivity
- ✓ New opportunities with offshore Calls for Bids
- ✓ New flexible scheduled land tenure system



THANK YOU

atoundland

Newfoundland and Labrador



West Coast Act

On The Horizon for 2014

- ✓ NOIA Oil & Gas Conference (St. John's) June
- Atlantic Realm Conjugate Margins Conference (St. John's) – August

Web Address: www.nr.gov.nl.ca/nr/



	CANADA	
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Newfoundland Labrador

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Archive Photo:





Newfoundland Labrador

Petroleum Development





