

Newfoundland and Labrador

Booth #31

Canada

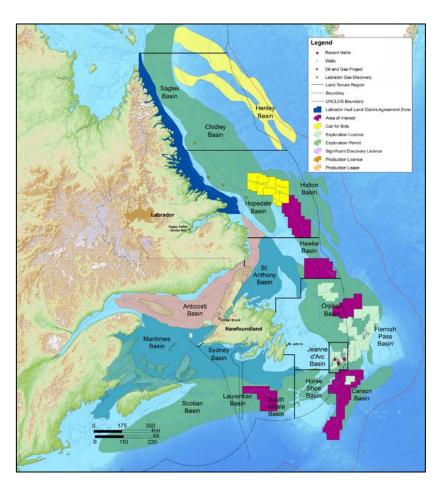
Strategic Location and Excellent Prospectivity



- Newfoundland and Labrador is one of Canada's premier energy producing areas with annual light crude production of 84 million barrels (or 230,151 bpd) in 2018
- 5 offshore fields produce ~25% of Canada's conventional light crude oil
- Total expenditures from 1966-2017 in NL's offshore area is \$59.4 billion
- Discovered resources: 4.3 Bbbls of oil, 12.6 Tcf of natural gas.
- Total cumulative oil production is 1.83 billion barrels over 20 years



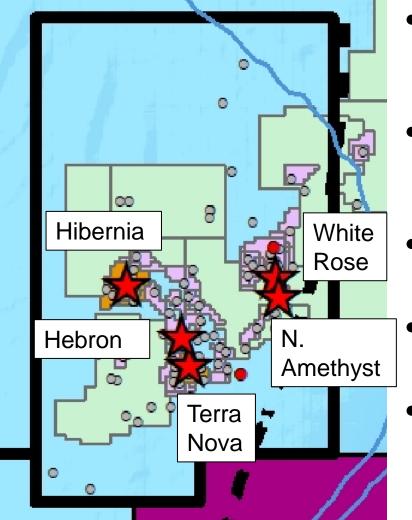
Regional Overview



- Offshore area of 1.8 million km² or 445 million acres
- 3% held under license
- Production on the shelf for now and deep-water exploration drilling



Producing Fields





 ExxonMobil (28%), Chevron, Suncor, CHHC, Murphy, Equinor

Terra Nova:

 Suncor (38%), ExxonMobil, Equinor, Husky, Murphy, Mosbacher, Chevron

St John's, NL

White Rose:

• Husky (72.5%), Suncor

North Amethyst:

Husky (69%), Suncor, Nalcor (5%)

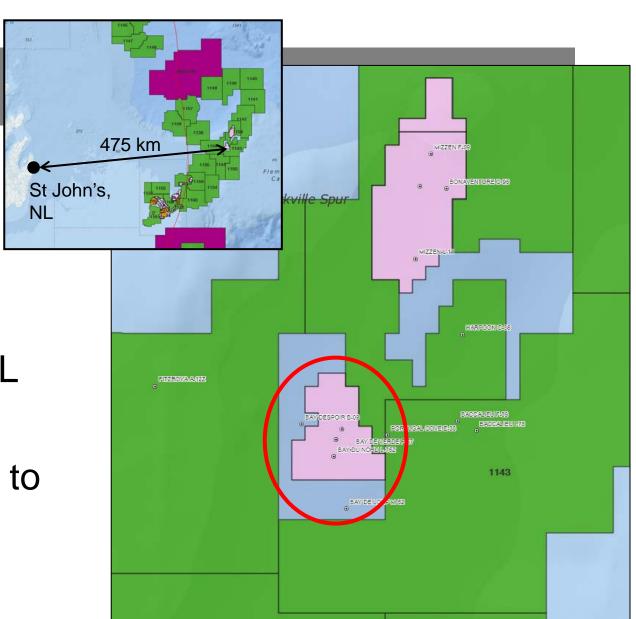
Hebron:

ExxonMobil (35%), Chevron, Suncor, Equinor, Nalcor (4.9%)

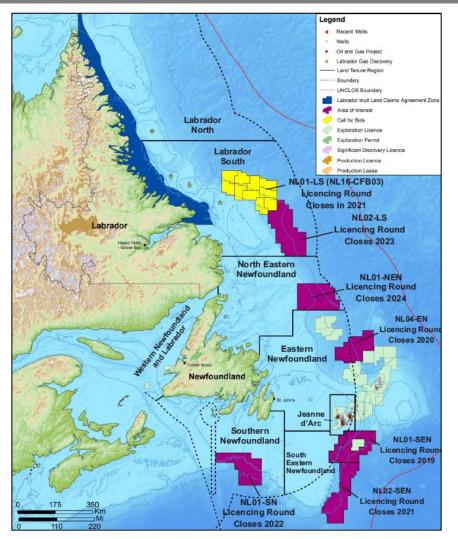


Bay du Nord

- Framework agreement announced in 2018
- FID in 2020
- 1,100 m water depth
- 475 km from St. John's, NL
- 407 million barrels
- Development plan with up to 30 wells
- Tieback potential



Scheduled Land Tenure Regions



High Activity (2-year cycle)

1. Eastern NL

Low Activity (4-year cycle)

- Labrador North
- 3. Labrador South
- North Eastern NL
- South Eastern NL
- Southern NL
- 7. Western NL

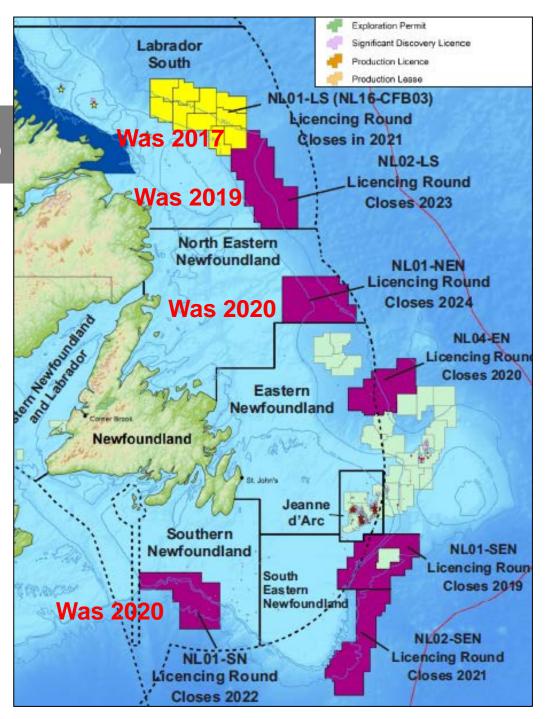
Mature (1-year cycle)

8. Jeanne d'Arc



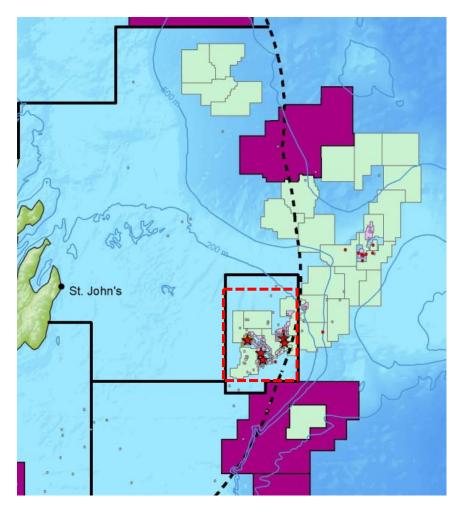
Land Tenure Changes

- Revised timing of the Call for Nominations schedule to accommodate completion of the environmental assessment process
- Rescheduled Call for Bids:
 - 2017 LS > 2021
 - 2019 LS > 2022
 - 2020 S NL > 2022
 - 2020 NE NL > 2024
- JD, EN, & SE NL Call for Bids scheduled for 2019-2021 the same



Updates to Land Tenure System

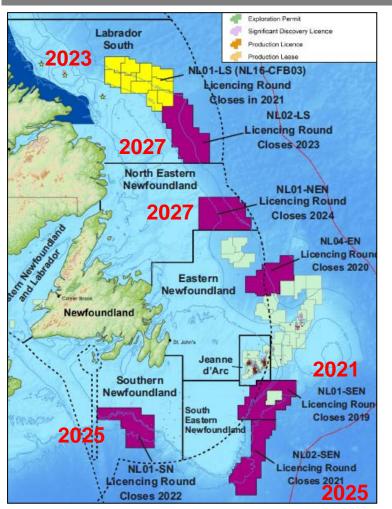
- Boundary for Jeanne d'Arc extended to align with basin geology
- Clarification regarding crossboundary nominations
- Deadline extension: Call for Nominations for parcels (NL18-CFN03) extended to Jan 23, 2019 (original date Nov 14, 2018)
- Cumulative parcels scheduled for low activity areas





	REGION	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
	Labrador South					СР				СР		
	North Eastern Newfoundland									CP		
	South Eastern Newfoundland			СР				СР				
	Southern Newfoundland							СР				

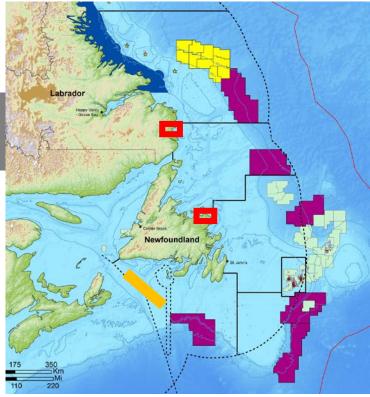
Cumulative Parcels

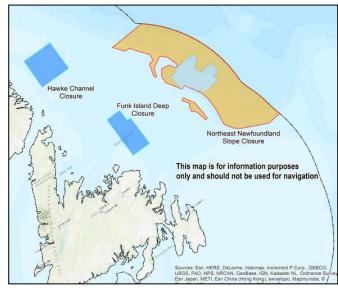


- Previously, unawarded parcels were offered on next Call for Bids round in land tenure region (every 1, 2, or 4 years, depending on activity level)
 - Meant low-activity areas would only have those reposted parcels every 4 years
- Now, unawarded parcels will be offered in low activity areas every 2 years, alternating between northern and southern areas
 - Jeanne d'Arc and Eastern Newfoundland no change, occur with scheduled Call for Bids Newfoundland

Marine Protected Areas

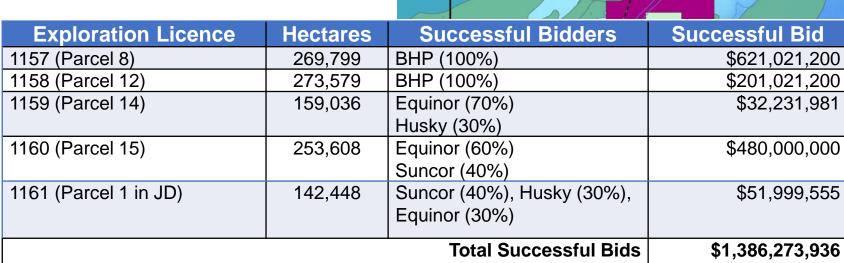
- Department of Fisheries and Oceans
- Protect marine biodiversity, ecosystems, and special natural features
- Province has input in Federal MPAs
 - Gilbert Bay
 - Eastport
 - Laurentian Channel Area of Interest
- Other marine refuge/conservation areas that prohibit bottom-contact fishing activities, include:
 - Northeast NL Slope Closure
 - Funk Island Deep Closure
 - Hawke Channel Closure

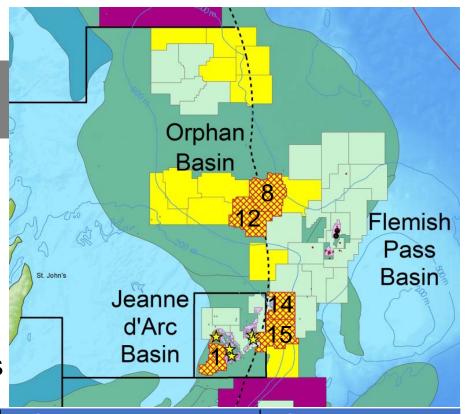




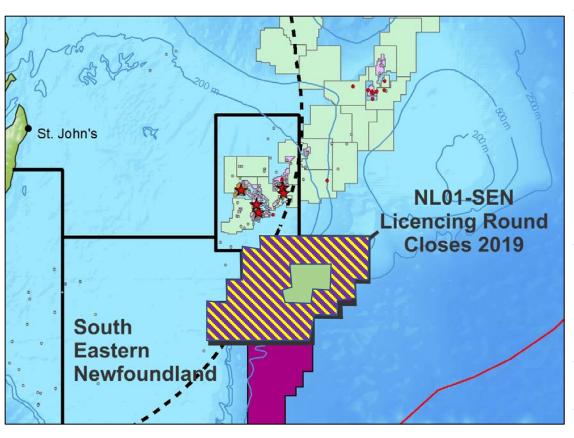
2018 Call for Bids

- EN CFN announced in 2016 by the C-NLOPB
- Largely underexplored area with only 11 wells in the vicinity of the parcels, excellent seismic coverage
- 9 new parcels, 7 reposted
- Call for Bids closed Nov. 2018; 5 successful bids
- Record setting





2019 Call for Bids

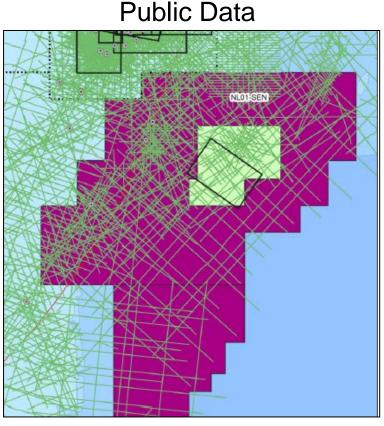


- Jeanne d'Arc and SE NL regions
- In 2015, the CNLOPB announced a sector in the Carson Basin area in SE NL region.
- Call for Bids to be announced in March 2019; Close November 2019
- 2,155,327 ha (21,553 km²)
- Water depth: 100 3,500 m



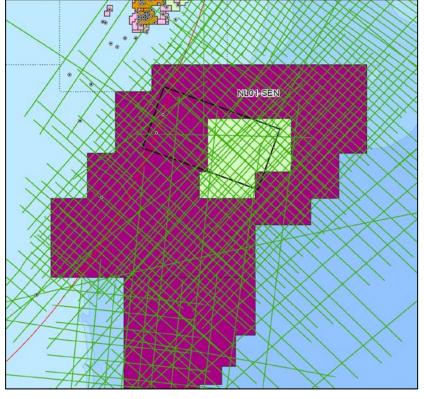
SE NL Sector Seismic Coverage

Area of Interest Exploration Licence Significant Discovery Licence Production Licence 200 Nautical Mile Limit Land Tenure Region Petroleum Well



Data courtesy of C-NLOPB. 20,179 km of 2D

Privileged Data



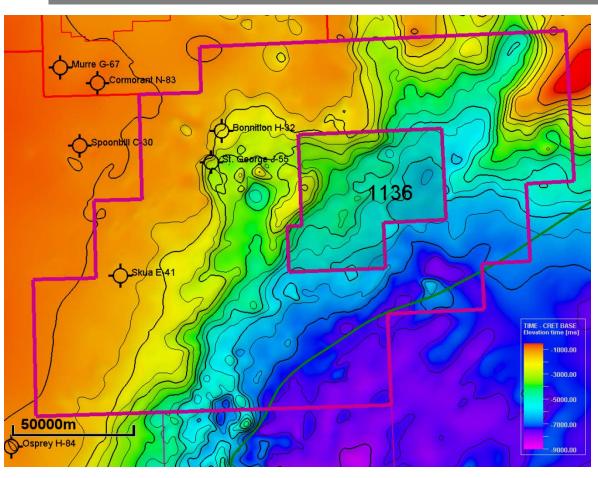
Data courtesy of TGS/PGS. 31,205 km of 2D, 7,850 km² of 3D

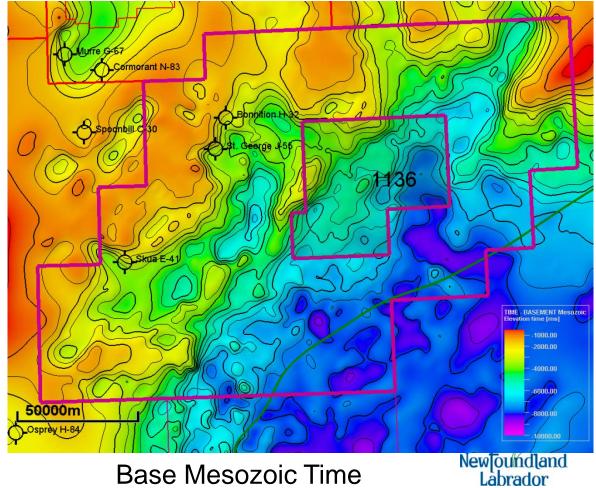


www.gov.nl.ca/nr/publications/energy

Seismic Maps

500 ms c.i.

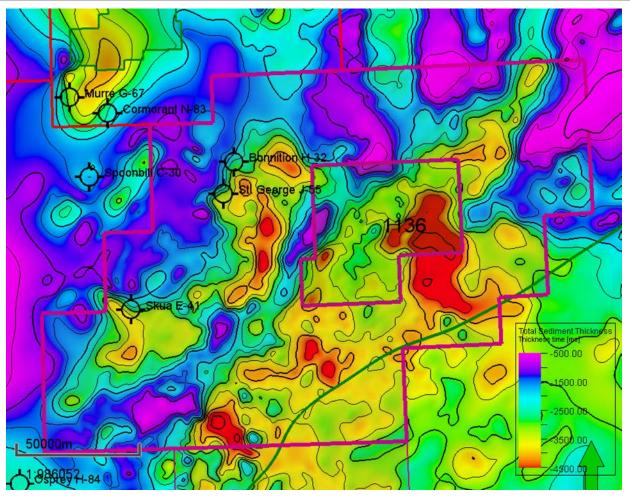




Base Cretaceous Time

Base Mesozoic Time

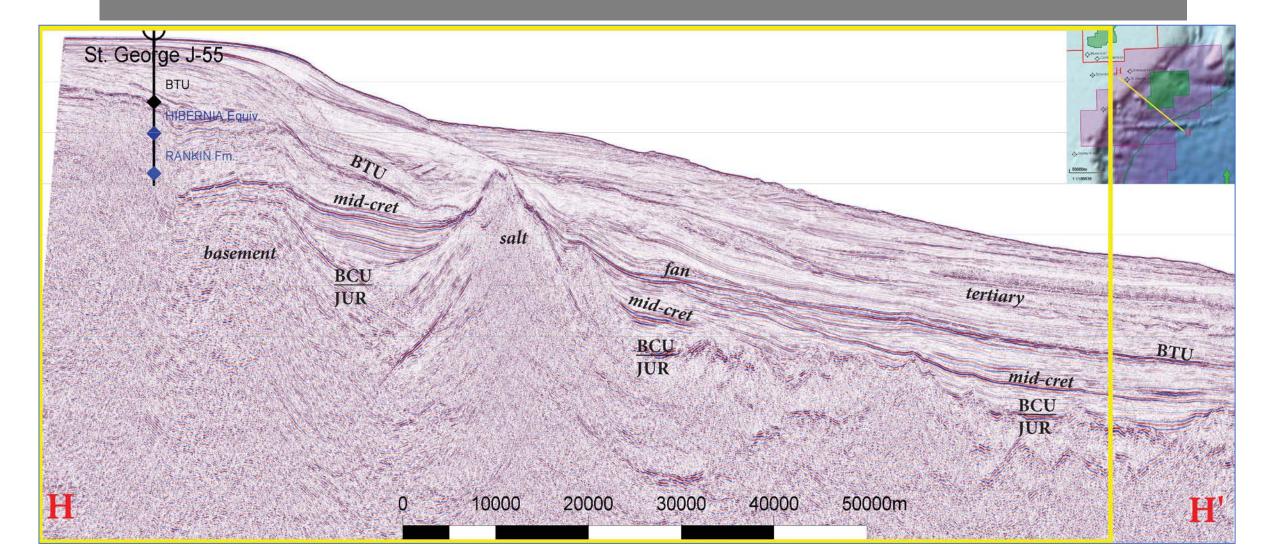
Seismic Maps



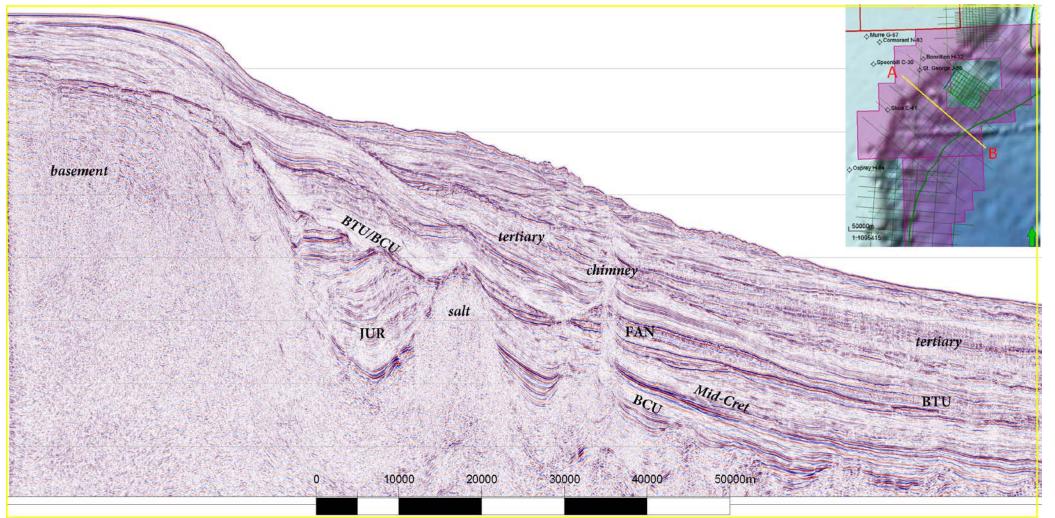


Total Sediment Thickness (time)

Seismic Data



Seismic Data

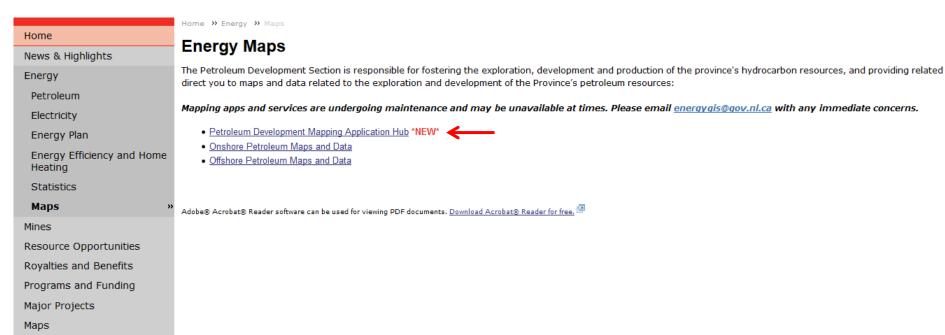




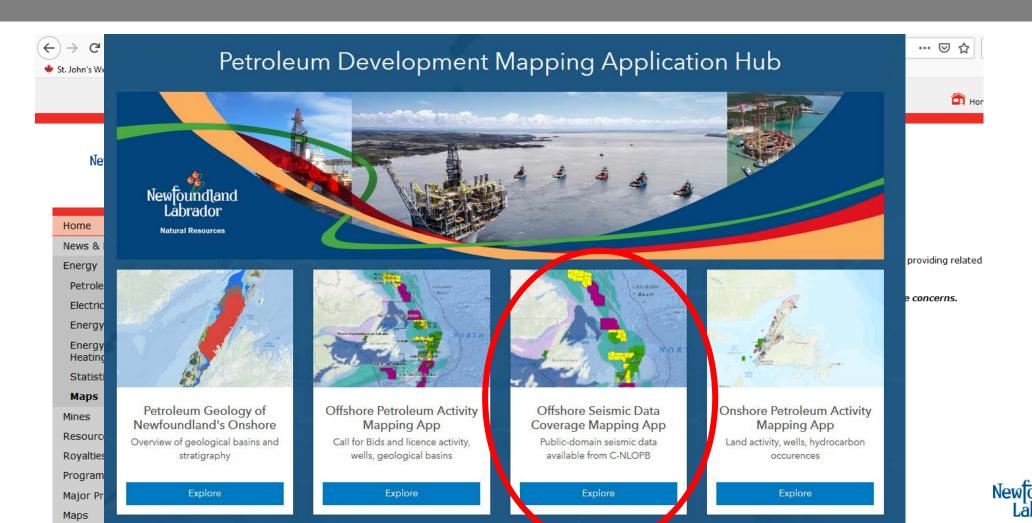


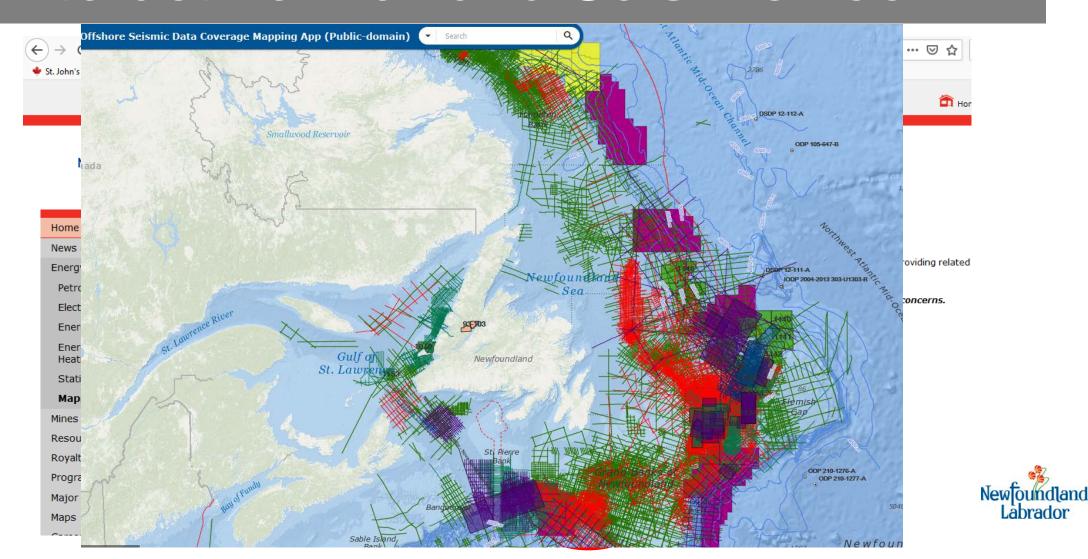


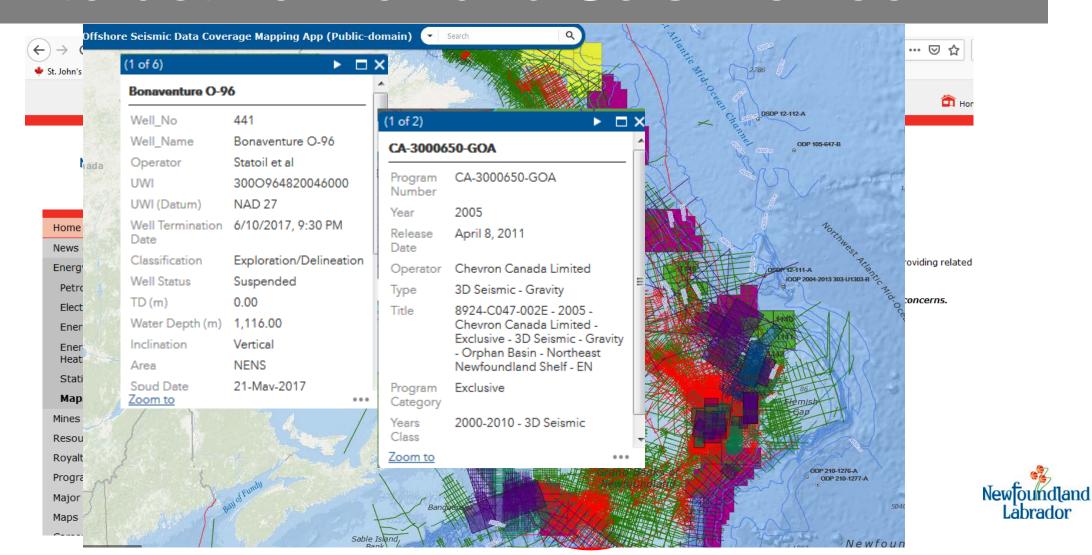
Natural Resources









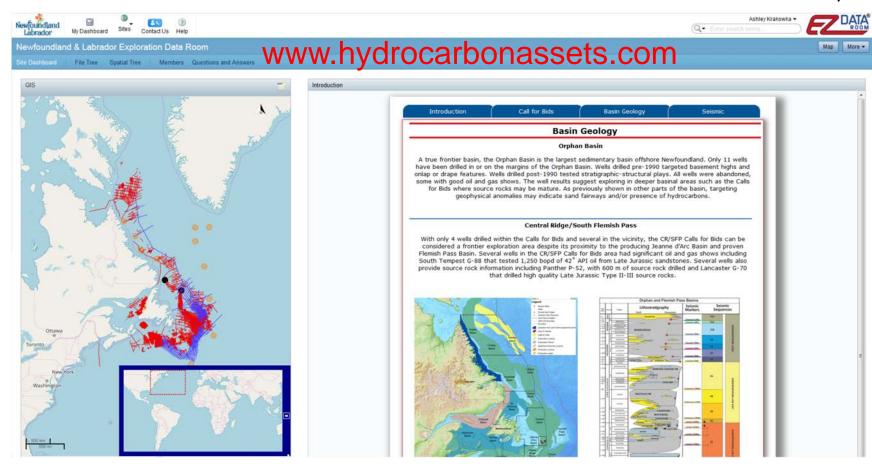




Exploration Data Room

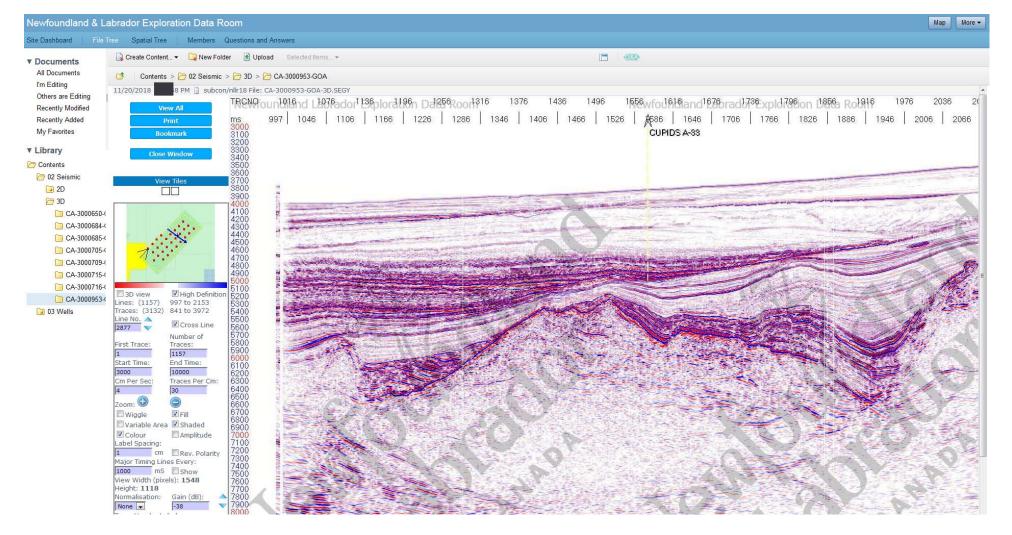
Advance 2030 Initiative

Announced October 26, 2018



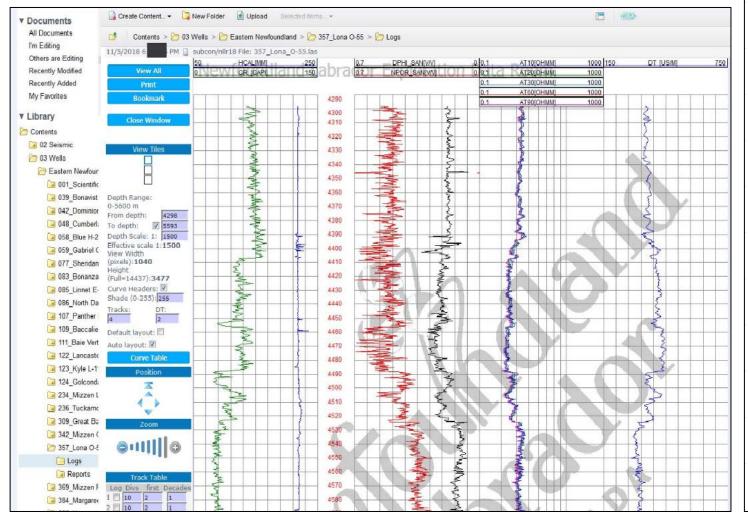


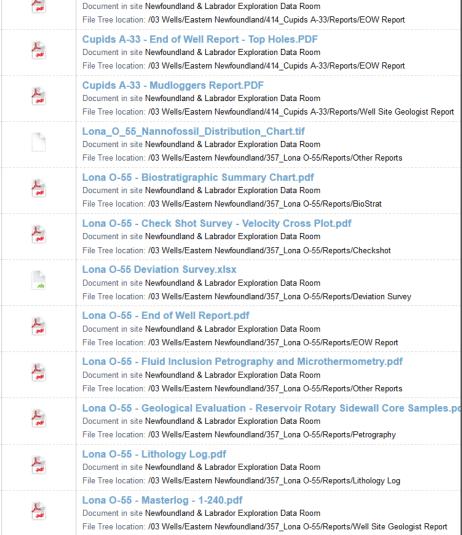
Data Room Seismic





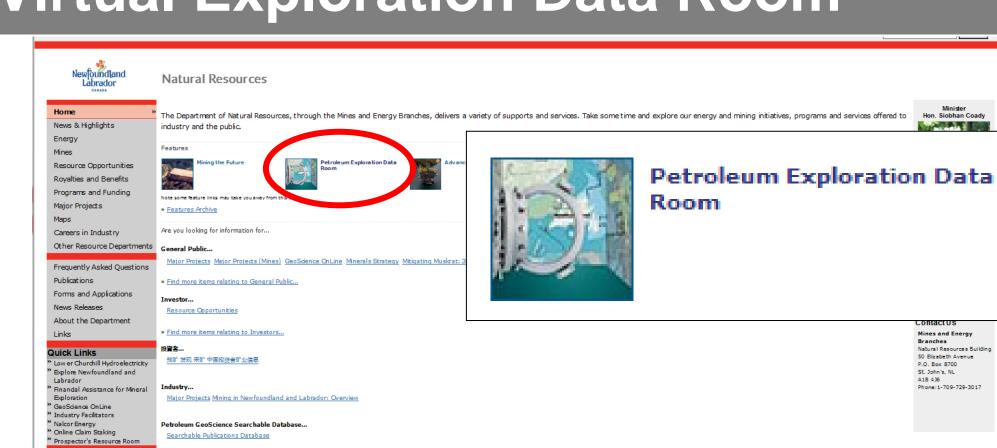
Data Room Wells





Cupids A-33 - End of Well Report.pdf

Virtual Exploration Data Room



Mines and Energy Branches

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Minister

Hon. Siobhan Coady

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