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# Reports

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* [**Petroleum Resource Potential of Queen Charlotte Sound within the Scott Islands Marine Wildlife Study Area**.](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/UVic_ScottMarineWildlifeArea_petroleum_potential.pdf) Prepared by Torge Schuemann and Michael Whiticar, June 2007. (http://edit.empr.gov.bc.ca/images/icon_pdf.gif 15 MB).
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http://edit.empr.gov.bc.ca/images/icon_pdf.gifand natural resources of North America that are unavailable for leasing or development. (

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# Presentations

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# Educational Material

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* **Where No One Has Gone Before.** This article provides a generalization of past and present offshore oil and gas exploration with reference to new and evolving technologies. Produced by

OTC .06/Expro International Group, May 2006 (LINK). All publications from Offshore Technology Conferences are now available through [OnePetro.](http://www.onepetro.org/)

* [**Stalled Offshore**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/stalled_offshore_story.pdf)**.** This article summarizes the history of BC offshore oil and gas, including the three-part Federal Review of the BC Moratorium completed in 2004. Published in Oilweek, October 2005 ([254 KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/stalled_offshore_story.pdf)).
* [**Energy BC**](http://www.energybc.ca/)**.** This site contains information about the geology and geophysics, and the myriad of environmental, social, and jurisdictional issues surrounding West Coast offshore oil and gas.
* [**Seismic Survey Operations: Impacts on Fish, Fisheries, Fishers and Aquaculture**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/SeismicAndFisheriesBriefingDoc.pdf)**.** This briefing paper seeks to answer some of the basic questions about seismic survey operations in the offshore environment and their impacts on fish, fisheries, fishers and other industry employees (such as divers) and aquaculture ([212KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/SeismicAndFisheriesBriefingDoc.pdf)).
* [**Glass Sponges and Sponge Reefs in British Columbia Waters**.](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/SpongeReef.pdf) This laypersons guide to the glass sponge reefs off the BC coast report discusses where and why glass sponges are found off the BC coast and where else in the north Pacific Ocean they might exist. It contains links to other useful web sites on glass sponges ([332KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/SpongeReef.pdf)).
* [**Canada's Evolving Offshore Oil and Gas Industry: Energy Today, and Tomorrow.**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/OffshoreFAMar2004_low.pdf)Recently updated by the Canadian Centre of Energy Information, this guide provides an excellent

overview of the offshore oil and gas industry in Canada ([6.1MB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/OffshoreFAMar2004_low.pdf)).

* [**Reference List of the Following Topics**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/References.pdf): Aggregate economic impacts, BC-related issues, Energy supply and demand (reports, stats), Fiscal systems, Trade-related issues, Atlantic Canada,

Benefits planning, Legal precedence (NAFTA lawsuits), Aboriginal issues, Legislation ([231KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/References.pdf)).

# [Other Maps.](https://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/british-columbia-geological-survey/mapplace/mapplace1/offshore)

* [**Hopes Soaring - An Industry Struggles to be Born Offshore of British Columbia**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/legalshoals.pdf)**.** Two general reports can be found at this link. The first by James Haggert of the Geological Survey of Canada reviews the geology and resource potential. The second by Tony Fogarassy of Clark, Wilson, Barristers and Solicitors summarizes issues around environmental law, jurisdiction and

ownership of oil and gas, and the role of First Nations ([936KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/legalshoals.pdf)).

* [**Ocean Energy**](http://www.boem.gov)**.** This is an excellent site. It provides an overview of the various types of ocean energy including oil and gas, natural oil and gas seeps in the sea, methane hydrates, solar energy, wind energy, wave and tidal energy.
* [**Seismic versus Sonar: What are the Differences**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/Seismic_vs_Sonar.pdf)? Produced by the Ministry of Energy and Mines (http://edit.empr.gov.bc.ca/images/icon_pdf.gif 309kB).
* [**B.C.'s Offshore Oil and Gas: A Guide to the Geology and Resources**.](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/Petroleum-Brochure.pdf) 9-page paper, April 2003. Produced by the BC Ministry of Energy and Mines ([250KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/Petroleum-Brochure.pdf)).
* [**Britain's Offshore Oil & Gas 3rd edn.**](https://oilandgasuk.co.uk/product/britains-offshore-oil-and-gas-book/)This is a superb layperson's guide to Offshore Oil and Gas. It is richly illustrated and explains why oil and gas is found around the margins of the world's continents and the techniques used to explore and develop it. It covers all phases of the industry from geology, exploration, development, production to sustainability, safety and environment. It can be viewed online or purchased from the [**UK Offshore Operators Association**.](http://www.oilandgasuk.co.uk/)
* [**Glossary of Oil and Gas (Univ. of Texas Austin)**](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/glossary.pdf)**.** Did you see a word you don't understand? Look it up in this handy glossary of Oil and Gas terms produced the the University of Texas at Austin ([54KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/glossary.pdf)).
* **Atlantic Oil and Gas Works Online**. This 3 page article describes in simple terms how oil companies explore for offshore oil and gas, the changes in exploration technology over the past 40 years, and how exploration can effect the environment. Atlantic Canada examples and regulations to minimize impacts are described.

# [Society of Petroleum Engineers.](http://www.spe.org/)

* [**Learn About Energy**.](http://www.learnaboutenergy.org/) This site provides links to 19 world wide organizations that provide excellent educational materials around oil and gas. The materials are rated as suited for primary students, secondary students and adults. You must have a OnePetro login (separate from the SPE login) to purchase this paper or others through OnePetro. Please see [www.onepetro.org.](http://www.onepetro.org/)

# [Introduction to Oil and Gas](https://www.spe.org/en/europe/pages/about/oil_and_gas/)

*This site contains 8 articles on the following topics: Why Do We Need Oil and Gas?

*What is an Oil and Gas Reservoir?

**How Does the Industry Find Oil and Natural Gas? How are Oil and Gas Produced?

**Where are Oil and Gas Produced? How Much Oil and Gas is Left?

**What is the Role of Technology in Oil and Gas Production? How is the Industry Working to Protect the Environment?

# Protocols & Memoranda of Understanding

* [Memorandum of Understanding on Consultation in Respect of Offshore Oil and Gas Development](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/UBCM.pdf) ([PDF 231KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/UBCM.pdf)).
* [Nisga'a Nation - Offshore Oil & Gas Agreement](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/Nisgaa_Protocol.pdf) (PDF [523KB](http://cmscontent.nrs.gov.bc.ca/geoscience/MapPlace1/Offshore/Nisgaa_Protocol.pdf)).