

"LITERATURE REVIEW OF PREVIOUS  
OIL POLLUTION EXPERIENCE"

REGIONAL PROGRAM REPORT 78-24

by

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Prepared for:

West Coast Oil Ports Inquiry

A. R. Thompson, Commissioner

Vancouver, B.C.

April 1978

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## ABSTRACT

The following literature review of previous marine oil pollution experiences identifies bibliographic references according to the region described and the reference location.

For literature on the impact of oil upon the marine environment, the Inquiry library catalogue should be consulted. This is located at the Westwater Research Centre, West Mall Annex, Room 200, University of British Columbia, Vancouver, B.C. - (604) 228-4956.

The article by E. Wang and B. Mawhinney "Recent Developments in International Environmental Law: The Impact on Canadian Policy and Legislation as published by the West Coast Oil Ports Inquiry", should be referred to for additional information on oil pollution incidents off Canada coasts from August 1973 to May 1977.

This report was first prepared September 20, 1977, and updated March 10, 1978.

## RÉSUMÉ

Cet examen bibliographique des incidents de pollution marine survenus jusqu'à maintenant classe les entrées selon la région décrite et le lieu des références.

Pour trouver la documentation concernant les incidences pétrolières sur l'environnement marin, le lecteur devrait consulter le catalogue de la bibliothèque des enquêtes située au Westwater Research Centre, West Mall Annex, Local 200, Université de la Colombie-Britannique, Vancouver, C.-B. (604) 228-4956.

Pour obtenir des renseignements supplémentaires sur les incidents de pollution pétrolière au large des côtes canadiennes, entre août 1973 et mai 1977, le lecteur devrait consulter l'article d'E. Wang et B. Mawhinney "Recent Developments in International Environmental Law: The Impact on Canadian Policy and Legislation as published by the West Coast Oil Ports Inquiry".

## WEST COAST OIL PORTS INQUIRY

In March 1977, Dr. Andrew R. Thompson was commissioned by the Government of Canada to inquire into the environmental, social and navigational safety aspects of a proposed oil port at Kitimat, B.C. and the broader Canadian concerns and issues related to west coast oil tanker traffic.

The Inquiry hearings were adjourned in November 1977 because there was then no active application in Canada for a west coast oil port. The Commissioner summed up his findings to that point and presented his Statement of Proceedings to the Minister of Fisheries and the Environment and the Minister of Transport on February 23rd, 1978.

The Ministers subsequently announced that "the Federal Government sees no need for a west coast oil port now or in the foreseeable future and doubts that the benefits of establishing such a port would be sufficient to offset the danger of risking a major oil spill". Consequently, the Inquiry did not continue.

This report was prepared under contract as background information for the Inquiry and does not necessarily represent the views and policies of the Department.

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LOCATION OF REFERENCES:

B.C. Govt.*	British Columbia Government List of Documents
Coalition*	Kitimat Oil Coalition List of Documents (SPEC, Vanc.)
KPL*	Kitimat Pipeline Co. List of Documents
Fed-F & MS-Birtwell*	Federal Min. of Fisheries and Environment, Fisheries and Marine Service, Vanc. Dr. Ian Birtwell
Lib. Ref.	Inquiry Library
Lib. PAM	Inquiry Library pamphlet file
U.B.C. - AE	Animal Ecology Lib., U.B.C. campus
- Main	Main U.B.C. Campus Library
- Wood	Woodward Library, U.B.C. campus
Vanc. Lib.	Vancouver Public Library, Burrard Street

\* List of documents in Inquiry Library.

If no location given, means found as a bibliographic reference.

NOTE: For list of previous oil spills see Easton, 1972., Black Tide: The Santa Barbara Oil Spill and Its Consequences (UBC-AE); Vermeer, and Vermeer, 1975. Oil Threat to Birds on the Canadian West Coast (Lib. PAM 001) and Straughan, 1972. Factors Causing Environmental Changes After an Oil Spill. (Lib. PAM 339).

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I-1 J.C. Pappas and Almizar Collision off North Coast of Africa, October 16, 1965.

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II. BAHAMAS

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IV-1 Arrietta S. Livanos and Anneliese Collision in English Channel, October 22, 1966.

Cockcroft, Captain A.N., 1971. An Account of a loaded Liberian tanker which sank north of Ushant. In: Safety at Sea International, Jan. 1971, p.7-10. , (Lib. PAM 195).

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IV-3 Ekofisk Blow-Out April 23, 1977 in North Sea

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- IV-6 Milford Haven. Tanker Chyrssi P. Goulandis broke up in harbour January 17, 1967 spilling 1,700-3,500 barrels of crude oil.

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- IV-8 Pacific Glory and Allegro. Collision off Isle of Wight England, October 23, 1970; unknown amount of crude spilled.

Cockcroft, A.N., 1971. The Pacific Glory and Allegro Inquiry. In: Safety at Sea International, April 1, 1971, pp.9-12. (Lib. PAM 193).

- IV-9 Torrey Canyon. March 18, 1967 grounded tanker on Seven Stones Reef, England broke in two; 700,000 barrels Kuwait crude.

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Slaught, L.E., March 23, 1973. Alert Bay oil spill, interim report. Unpublished. (Lib. PAM 404).

V-2 Arrow. February 4, 1970 off Nova Scotia coast spilt 12,000 cu.m. of Bunker C Oil.

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V-4 Vanlene

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VIII-1 Mizushima. December 18, 1974 oil tank in Mizushima Refinery of Inland Sea of Japan (Seto Naikai) ruptured; 46,560 kilolitres lost (10,243,200 Imperial gallons).

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IX-1 Tampico Maru. Ran aground 1957 off Mexican coast of Baja, Cal. Blocked entrance to small cove and emptied 60,000 barrels of diesel oil into it.

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X. PANAMA

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XI. PORTUGAL

XI-1 "Jakob Maersk": grounded and exploded off northern coast January 1975; 75,000 tons Iranian crude.

Duerden, F.C., 1975. Spill in Portugal: a report of the Jakob Maersk incident. Environmental Protection Service, Environment Canada, Atlantic Region, Rept. #PS-8-EC-76-1, Sept. 1975. (Lib. Ref. 0192).

XI-2 Andulo and Statute of Liberty collision off Portugal coast near Cape St. Vincent, June 1965.

Cockcroft, A.N., 1972. Collision off Cape St. Vincent. In: Safety at Sea International, Oct. 1972, pp.13-15. (Lib. PAM 189).

The Collision that should not have occurred In: Safety at Sea International, April 1971, p.13. (Lib. PAM 194).

XII. PUERTO RICO

XII-1 Ocean Eagle. March 3, 1968 grounded tanker broke in two off San Juan, 83,400 barrels Leona crude.

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XIII. SAUDI ARABIA

Spooner, M.F., 1970. Oil spill in Tarut Bay, Saudi Arabia. Mar. Pollut. Bull. 1 (N.S.), pp.166-167.

XIV. SPAIN

XIV-1 Urquiola. May 12, 1976 ran aground at entrance to La Coruna Harbour, NW Atlantic coast of Spain and sank; 107,000 metric tons of Persian Gulf crude.

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- b) "Oswega-Peace" tanker leaked 2,000 gallons of oil in Thames River, Connecticut, December 25, 1976.
- c) "Grand Zenith" carried 8.2 million gallons heavy industrial oil disappeared off Cape Cod in gale, presumed sunk, December 1976.

- d) "Universe Leader" ran aground at entrance to Chesapeake and Delaware Canal January 6, 1977; 21 million gallons.
- e) "Esso Castellon" broke from mooring, ran aground off Corpus Christi, Texas January 1977; 500,000 barrels.
- f) "Chester A. Poling" broke in heavy seas and sunk January 10, 1977.

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