



An Annotated Bibliography of OCS Documents in Maine

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Maine Coastal Program
Maine State Planning Office



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AN ANNOTATED BIBLIOGRAPHY OF OCS DOCUMENTS IN MAINE

OCTOBER 1977

Maine State Planning Office
Natural Resources Council
of Maine
Center for Natural Areas

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Coastal Oceanographic Group

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Planning Office

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Cover photo courtesy, Offshore Magazine

1. INTRODUCTION

INTRODUCTION

The researcher interested in the various aspects of development of oil and gas reserves on the Outer Continental Shelf (OCS) will find that the documentation on the subject is fairly voluminous. Unfortunately, most of the documentation is in the form of government reports, consultants research, and a variety of other forms which are not available through normal research facilities. A great deal of effort is usually required to get even the most basic of the documentation.

Since 1975 the Maine State Planning Office has been engaged in planning efforts for the possible development of OCS petroleum reserves on Georges Bank. As a result of this planning, the State Planning Office has accumulated many of the most important documents on OCS. In order to assure that all the possible sources were made known, Edward H. Shenton of the New England Coastal Oceanographic Group was engaged to search through the files of other state agencies and several other potential locations of documents. This work comprised the basic bibliography, which has been brought up to date by Charles S. Colgan of the State Planning Office.

The bibliography is divided into nine sections, and each section contains a full bibliographic entry on the document, a brief annotation on the contents of the document, and a number indicating where the document may be located. It should be noted that these are only documents located at the various institutions noted below, and thus this bibliography does not claim to be a complete bibliography on these issues.

Location Key

- | | |
|---|--|
| 1. Maine State Planning Office
184 State Street
Augusta, Maine 04333 | 4. Bureau of Geology
Maine Department of Conservation
Hospital Street
Augusta, Maine 04333 |
| 2. Natural Resources Council of Maine
51 Chapel Street
Augusta, Maine 04330 | 5. Bureau of Planning
Maine Department of Transportation
Transportation Building
Capitol Street
Augusta, Maine 04333 |
| 3. The Center for Natural Areas
South Gardiner, Maine 04359 | |

Location Key - Cont'd...

6. Department of Marine Resources
Stevens School
Winthrop Street
Hallowell, Maine 04333
7. Department of Environmental Protection
Hospital Street
Augusta, Maine 04333
8. TRIGOM, The Research Institute
of the Gulf of Maine
Southern Maine Vocational-Technical
Institute
South Portland, Maine 04106

The entries in this bibliography are classified according to the major subject of the document. Most of the documents contain material pertaining to other topics, so the headings should be considered as a general guide only.

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2. OCS - General

American Petroleum Institute. 1976. Questions and Answers on Petroleum and Offshore Development. Washington, A.P.I.

Oil industry view of the OCS issue with a lot of information on oil industry development. 1

Bendiner, Robert. 1975. "Taking Oil Off The Shelf", The New York Times Magazine

A general review article by a reporter who witnessed Gulf of Mexico activities and presents the scene for pre mid-Atlantic. 1

Bradford, Peter Amory. 1975. Fragile Structures. New York, Harper and Row.

The definitive history to 1975 of oil-related development on the coast of Maine. 1, 2

Council on Environmental Quality. 1974. OCS Oil and Gas: An Environmental Assessment. 5 volumes Washington, U.S. Government Printing Office.

A Five Volume study of oil and gas leasing in all areas of U. S. coastal waters. Looks at offshore and onshore effects, but not in great detail. Contains recommendations for changes in federal management, but only minor changes. 1

Devanney, J. W., III. 1975. The OCS Petroleum Pie; Cambridge, MIT - Sea Grant, 75-10

A redefinition of OCS issues, taking the position that OCS oil is not an environmental issue, 2) OCS oil is not a shoreside job and development issue, but is a question of the amount of natural income from OCS vs. the imported crude and the distribution of the cost difference to the developer and the public and between the coastal state vs. the rest of the nation. An economic rent study. 1, 2

Executive Office of Consumer Affairs. 1975. Natural Gas; Boston, Mass., Office of Consumer Affairs, Energy Policy Office

No data related to OCS but has general background on the needs for gas - planned pipelines, etc. Good background on Nat. Gas. 1

Gilman, Geo. & Allen, Chas. 1975. The Impact of Offshore Oil: New Hampshire and the North Sea Experience. Concord, N. H. Department of Resources & Economic Development.

A pro-oil document that promotes Gov. Thompson's policy of obtaining N. H.'s own supply of oil & gas! Mostly a primer on the technology. A comparison is made with the Scottish OCS events.

Kash, Don, et.al. 1973. Energy under the Oceans: A Technology Assessment of Outer Continental Shelf Oil and Gas Operations. Norman, Ok., University of Oklahoma.

One of the best overall discussions of both the technology and the regulation of offshore development. Critical of the process in many ways, and recommends changes. 1

Klock, Thomas E. 1974. Identifying New England's Needs in Energy/ Natural Resources Planning. Boston, New England River Basins Commission. 4

Laroe, E. T., Stang, Paul R. 1975. Coastal Management Aspects of OCS Oil and Gas Developments. Washington, OCZM, NOAA.

A document prepared by OCZM Staff on OCS and the impact on the CZ with emphasis how state coastal planners can begin to prepare and plan for impacts of OCS activities. 1

Mass. Institute of Technology. 1974. Principal Physical Impacts Of Offshore Petroleum Development. Cambridge, MIT Sea Grant 74-20 1

Massachusetts Office of State Planning. 1976. Offshore Oil Development: Implications for Massachusetts Communities. Boston, Massachusetts Office of State Planning.

A general overview of the OCS development process, with descriptions of onshore facilities, possible impacts, and suggestions for community planning. Useful introduction to OCS. 1

McLoughlin, Peter. 1972. Offshore Oil: Its Possible Impacts. A Summary of Remarks. Orono, University of Maine.

A brief summary of remarks on the New Brunswick and Nova Scotia experiences. 2

Menzies, Ian. 1976. "The Battle For Offshore Oil". Country Journal March 1976.

A review of the Georges Bank Oil Development by an editor of the Boston Globe. From viewpoint of a Massachusetts citizen. Reviews events leading to present. Good review. 2

New England Regional Commission. 1975. Gas Industry Development In New England: Analysis of Alternatives. Boston, NERCOM

Report deals with impact of Georges Bank OCS gas find on New England supply. Addresses current status of industry for facilities, usage patterns, and costs. FPC policies and regulation for shortages, etc. Alternatives for regional actions. 1

NOIA. 1975. Annual Directory, National Ocean Industries Association.

A listing of NOIA Members in offshore oil industry. Gives company officers, facilities, description of services, subject index of products. 1

Office of Coastal Zone Management, and Bureau of Land Management. 1977. State information Needs Related to Onshore and Nearshore Effects of OCS Petroleum Development. OCZM., National Oceanic and Atmospheric Administration and Bureau of Land Management, Department of Interior. Washington.

A report of a survey taken in 1976 of the information states indicated was needed to do effective planning for OCS. Reported on a state by state basis. 1

Oil and Gas Journal. 1977. U.S.A. Oil Industry Directory. Tulsa, Oklahoma.

Directory of all corporations involved in producing, transporting, or marketing petroleum products. Includes offices and officers of corporations and their subsidiaries. 1

Oil and Gas Journal. 1976. Worldwide Directory of Offshore Contractors and Equipment

Directory of all corporations which supply equipment and services to the offshore oil industry. Includes offices, officers, and subsidiaries. Also illustrates drilling rigs, and summarizes offshore industry activity in 1976. 1

Pleasants, John. 1974. Virginia and the OCS; Problems, Possibilities And Posture. Richmond, Virginia, OCS Advisory Committee

Examines offshore interface and onshore effects for Virginia using pre-U.S. Vs. Maine decisions. Discuss the alternatives of Virginia achieving control of OCS or not. Methodology appears very simplistic. 1

Shoupp, Wm., Devanney, J.W. & Harleman, D.R.F. 1973. World Energy And The Oceans: Second Annual Sea Grant Lecture. SG 74-7 Cambridge, Massachusetts Institute of Technology

Devanney article is a summary of the MIT Georges Bank Study. Key issues on offshore oil. Shoupp (V.P. for research at Westinghouse) argues for faster exploration for oil and faster reactor installations. Useful reviews of biased positions. 2

U. S. Senate, Committee on Commerce, National Ocean Study Policy. 1974.
Coastal Zone Management - The Coastal Imperative - A National
Perspective For Decision Making 195 pages. Washington, U.S. Govern-
ment Printing Office.

Proceedings of a conference held in Charleston, S.C. 1974 by NOAA.
Several presentations on oil and coastal zone problems. 2

3. OCS - Federal Regulation

Bureau of Land Management, New York OCS Office. 1976. Draft Environmental Statement for Lease Sale 42 (Georges Bank). New York, Bureau of Land Management, U.S. Department of the Interior.

Draft Environmental Impact Statement for the first Georges Bank lease sale. Many technical sections are accurate descriptions of the environment, but estimates for environmental and economic impacts rest on questionable assumptions. 1

Bureau of Land Management. 1975. Final Environmental Statement on Proposed Increase in Oil and Gas Leasing on the Outer Continental Shelf. Washington, United States Department of the Interior.

Environmental impacts of Government's plan to speed up leasing in frontier OCS areas around the country. Covers areas in Atlantic, Pacific, Gulf of Mexico, and off Alaska. Very general and vague. 1

Bureau of Land Management. 1977. Final Environmental Statement, Lease Sale 42. New York. Bureau of Land Management OCS Office.

Final EIS for the first Georges Bank Lease Sale. An improvement over the Draft. Contains an Appendix with the comments from States and others on the Draft EIS. 1,2,4,5.

Bureau of Land Management, New York OCS Office. 1976. Final Environmental Statement: Proposed Outer Continental Shelf Oil and Gas Lease Sale Offshore the Mid-Atlantic States. New York, United States Department of the Interior.

Environmental impact statement on the Baltimore Canyon Sale. Very similar to statement on Georges Bank statement. 1

Bureau of Land Management. 1975. Meeting Minutes of OCS Research Management Advisory Board. Washington, U.S. Department of Interior.

Regular quarterly meeting of RMAB. 1) schedule of OCS; 2) Alaska bench mark; 3) So. Cal. Study; 4) MAFLA Monitoring; 5) So. Texas; 6) Mid-Atlantic 1

Bureau of Land Management. 1976. The OCS Oil and Gas Development Process: A Background Paper for State Planners; Washington, U.S. Department of Interior.

A paper for use by other agencies and groups with BLM's most current estimates of future OCS activities of other groups in the OCS process. A step by step explanation of the process. Useful document with a good bibliography. 1

Coastal Resources Center. Review of the Draft Environmental Impact Statement for Lease Sale 42. Kingston, University of Rhode Island.

Section by section review of the DEIS by a team of scientists at U.R.I. Very useful, and a must for understanding the DEIS. 1

Cory, Kenneth and Nejedley, John A. 1975. What's The Rush? A report of the Joint Committee on Public Domain on Offshore Drilling. Sacramento, California Legislature.

An examination of the leasing and public policy of California State-owned lands involved in OCS oil lease issue. Mostly pertains to California. 1

New England Oil Coalition. 1975. Draft NEOC Policy Statement;
New England Oil Coalition

A draft of the policy put forth by NEOC. 2

New England River Basins Commission. 1974. Interim Report on
Georges Bank Development. A New England strategy. Boston,
NERBC.

A Position Paper for NERBC, prior to U.S. suit against Maine
on ownership of OCS. 2

OCS Program Coordination, U.S. Department of Interior. September 1975.
Programmatic program decision option document on the OCS accelerated
lease program. Washington, U.S. Department of Interior

A summary document presenting the administrations arguments for
the leasing of six frontier areas per year. Based on the final EIS
July 1975. 2

U.S. Congress, Office of Technology Assessment. 1975. Analysis of the Feasi-
bility of Separating Exploration from Production of Oil and Gas on OCS.
Washington, Government Printing Office 1

U.S. Geological Survey. 1976. Final Environmental Impact Statement
Regulations Pursuant to Geological - Geophysical Exploration of
OCS. Reston, Virginia, U.S. Geological Survey.

FES for the exploratory phases of OCS development prior to leasing.
A very general examination of DES-74-90. Covers the whole OCS. 1

U.S. Geological Survey. 1975. North Atlantic OCS orders #1, #2, #3, #4,
#5, #7, #12. Reston, Virginia, U.S. Geological Survey.

Draft of OCS Orders for well marking, drill procedures, plug & abandon,
well productivity, subsurface safety devices, pollution-waste disposal,
public inspection of records. 1

U.S. Geological Survey. December 1975. Restructuring OCS Advisory Board.
Washington, U.S. Department of Interior.

A memo describing the new OCS Environmental Studies Advisory Committee
and how it is chartered. Replaces OCS Research Management Advisory Board. 4

U.S. House of Representatives. 1975. OCS Lands Act Amendment 1975, hearings,
parts 1,2, 3 on HR 6218. Washington, Government Printing Office.

A report of the public hearings on OCS issues. Ad Hoc Committee established
to consider new legislation for OCS as amended to OCS Lands Act of 1953
including testimony of Maine officials.

U.S. House of Representatives. 1976. OCS Lands Act Amendment 1976, report
on ad hoc committee, additional views; HR 94-1084. Washington, U. S.
Government Printing Office.

A review of present HR 6218 with background - a summary of key provisions
including an OCS chronology from 1969 to 1976. Good review. 1

- U.S. Maritime Administration. 1976. Final Environmental Impact Statement on Maritime Administration Vessels Engaged in Offshore Oil and Gas Drilling Operations. Washington, U.S. Department of Commerce.

A technical description of various drilling vessels and the usual federal EIS Statements - fairly good oil effects data - discussions on drill needs, formulation, waters, etc. and toxicity to animals. 1

- U.S. Senate, Committee on Commerce, National Ocean Policy Study. 1974. Oil and gas development and coastal zone management. Washington, Government Printing Office.

Hearings beginning the Senate probe into the entire OCS issue with the receipt of the CEQ Report. Investigations, testimonies, etc. This is the first of the (National Ocean Policy Study) Subcommittee Meetings. 2

- U.S. Senate, Committee on Commerce, National Ocean Policy Study. 1974. OCS Oil and Gas, Federal Procedures Related to the Development Process. Washington, Government Printing Office.

Hearings conducted in Boston, August 5 and October 7, 1974, on the whole process of OCS development. Contains good reviews of CEQ Report. Useful document. 2

- U.S. Senate Committee on Commerce, National Ocean Policy Study. 1974. The State Role in OCS development: the California experience. Washington, Government Printing Office.

The hearings held in Santa Monica, CA. September 27-28, 1974 - Consider the role (or non-roles) of the State of California in the decision process of OCS development. Includes discussion and testimony of OCS Lands Act Amendments and giving state(s) a greater role in the control of OCS activities that effect the onshore areas. 2

- U.S. Senate, Interior and Insular Committee. 1974. OCS Oil and Gas Development Hearings. Washington, Government Printing Office.

Hearings on 7 proposed bills to amend the OCS Lands Act of 1953. Review of all proposed New England refineries (1974) is given by New England Oil Coalition. 1

- Shenton, E.H. 1976. "Oil and the fisheries, is it inevitable?" Maine Commercial Fisheries. June 1976.

A review of the OCS issue as it may affect the Maine fishing industry. General information on the OCS Leasing Process and what the issues are as seen now. 1, 2

- Wallenstein, Arnold. 1976. Comparison of HR 6218 with S 521. Boston, New England Regional Commission memorandum. May 28, 1976.

A point by point contrasting of two bills plus discussion. This supplements memo of March 23, 1976 and August 4, 1975 by Wallenstein. 1

Wallenstein, Arnold. 1976. Coastal Zone Management Act Amendments of 1975. Boston, New England Regional Commission.

This discusses the House bill that would provide \$1.54 Billion through 1981 to coastal adversely affected by OCS development. 1, 3

Wallenstein, Arnold. 1975. Coastal Zone Management Act of 1975. Boston, New England Regional Commission.

A review by NERCOM Staff of the meaning of Senate Bill 586 to the coastal states. Discusses how S. 586 is contrasted with Jackson's S. 521. 1, 3

4. Economic Aspects

Ahern, William R., Jr. 1973. Oil and the Outer Coastal Shelf, the Georges Bank Case. Cambridge, Ballinger Publishing Company.

A reasonably good summation of the subject using 1972 data. Leans heavily on MIT data and Pre-Arab embargo prices. Good treatment of basic economic problems -- fair to poor on environmental data; worth reading. 1, 2

American Society of Planning Officials. 1977. Onshore Impacts of OCS Oil and Gas Development: Planning Discussion Papers. Chicago.

Approaches to local planning and development policies are detailed in a series of papers prepared for a Conference on Onshore Impacts. A varied series of papers. 1

Callahan, Frances and Reinfeld, Ken. 1975. Economic Study of the Possible Impacts of a Potential Baltimore Canyon Sale, Technical Paper #1 New York, Bureau of Land Management, Outer Continental Shelf Office.

A model developed by Dr. Curtis Harris. Also used by Grigalunas of URI. Also related to strip mining in Montana, as well as other areas. Canadian model in Ottawa to be completed by 1976. Model measures production not social welfare. Economic Impacts of Lease Sale 40 (Baltimore Canyon) using a regional econometric model. Does not consider impacts on individual states. 1

Center for Energy Policy, Inc. 1975. Background consideration of petroleum development on Georges Bank. 1975. New England Energy Policy Council.

A draft for discussion. Copy contains review comments and critical notes. See later edition dated October 1975. Appendices of permit legislation and an interstate compact bill. 1

Center for Energy Policy, Inc. 1975. Georges Bank Petroleum Development, Background Considerations. New England Energy Policy Council.

A general paper for a regional overview with possible errors in the fish and oil section. Uses ADL/NERCOM & MIT/DEVANNEY Data.

College of Maine Studies, 1975. A Study of the Socio-Economic Factors Relating to the Outer Continental Shelf of the Mid-Atlantic Coast. 3 Volumes. Newark, University of Delaware.

Comprehensive analysis of possible effects of Baltimore Canyon Development on the area from New Jersey to North Carolina. 1

Department of Energy (U.K.). 1976. Offshore 1975 An Analysis of Orders Placed. Her Majesty's Stationery Office, London.

Brief summary of what the offshore industry bought in Britain in 1974. 1

Department of Trade and Industry (U.K.) 1972. Study of Potential Benefits to British Industry from Offshore Oil and Gas Development. Her Majesty's Stationery Office, London.

Projections of offshore oil and gas development and requirements from British industry. 1

David M. Dornbush and Company. 1977. Management of OCS Related Industrial Development: A Guide for Alaskan Coastal Communities. Juneau. Alaska Department of Community and Regional Affairs.

Various strategies and actions which communities can take to minimize adverse impacts and maximize potential benefits from OCS industry. While written with Alaskan communities in mind, it contains much that is generally applicable to communities in other states. 1

Grigalunas, T.A. 1975. Offshore Petroleum and New England. Narragansett Bay, R.I., Rhode Island Marine Advisory Service.

An economic view of Georges Bank development based on studies at URI. Worth a careful review. Shows projection of rigs, crews, boats, etc. 1

Lewin and Associates, Inc. 1976. Economic limits of OCS production. Washington, FEA Office of Regulatory Policy. 1

Mead, W. J. and Sorenson, Phil E. 1970. "The economic cost of the Santa Barbara oil spill." Santa Barbara Oil Symposium, Environmental Inquiry. pp. 186-226, Santa Barbara California, University of California at Santa Barbara.

Estimated \$16.4 Million in damage to human case or \$210/bbl. Based on settlements oil spills amounted to \$24.6 Million or \$310/bbl. Beached; \$10.6 Million for cleanup & lost oil; \$9 Million for state and local government. \$4.0 Million to private parties. 1

Mitchell, E.J. 1976. The Question of Offshore Oil. Washington, American Enterprise Institute, National Energy Project.

Symposium covering the value of offshore oil resources and also environmental effects. One of the only discussions of offshore oil development from a Cost/Benefit point of view. 1

Robert Nathan Associates. 1974. The Economic Value of Ocean Resources to the U.S. U.S. Senate, Committee on Commerce, U.S. Government Printing Office.

A description of economic values of resources of oil and gas; sulphur manganese, fresh water, construction materials, other minerals. Food fish, industrial fish, batankal resources, energy, recreation, transportation, waste, communications. With tables. 1

Office of Minerals Policy Development. 1974. Evaluation of OCS areas by the net financial benefits and environment's costs of development.

Executive summary of the estimated cost of Georges Bank oil at \$3.00/bbl. shows net value of development for each 5,000 acre tract. Shows G.B. at \$31,068. Section III describes Environmental Consequences. Shows estimated spills for Georges Bank; cost of beached oil, other economics of spills. 1

Poitras, et al. 1972. A Brief History of the Economic Development of the Coast of Maine. Augusta, Maine; State Planning Office.

A simple description of coastal economics used in part in the Governor's Task Force Report on Heavy Industry and Oil on the Maine Coast. 1.2

Reinfeld, Kenneth, and Callahan, Francis F. 1976. Economic Study of the Possible Impacts of a Georges Bank Sale (Technical Paper Number 2) New York Outer Continental Shelf Office, Bureau of Land Management, U.S. Department of the Interior.

Analysis using a regional econometric model of the probable economic effects on New England. Does not consider individual states. Also projects air and water pollution impacts based on economic activity forecasts. 1

Shipman, William and Carl Veazie. April 1974. Energy policy for the State of Maine, a report to Governor and NERCOM. Brunswick, Maine; Public Affairs Research Center, Bowdoin College.

Considers the relation of Georges Bank OCS Oil and Gas to Maine and discusses probability based on the MIT Task Force Study of 1973. Pre-Arab Embargo Data. 1, 2

United States Geological Survey. 1977. Socioeconomic Impacts of OCS Oil and Gas Development: A Bibliography. Reston, Virginia. Resource and Land Investigations (RALI), U.S.G.S.

Good bibliography on socioeconomic impacts. One of the only ones with a KWIC (Key Word in Context) Index. 1

U. S. Travel Data Center. 1975. Travel economic impact model, final economic analysis methodology. Two Volumes. U.S. Travel Data Center

A report to provide estimates of tourism generated economic activity at the county level. Used for Mid-Atlantic OCS Sale 40 DEIS 1

5. Environmental Studies

Ad Hoc Committee Design of Baseline Studies. 1975. Guides in the Design and Conduct of OCS Oil and Gas Development; Environmental Baseline Studies. Washington, U. S. Department of Interior

A revised set of guidelines based on the NOAA Guidelines (1974) prepared by the Ad Hoc Committee of the Research Management Advisory Board to BLM. These guidelines are "tailored" to BLM's OCS Oil and Gas Environmental Studies needs as well as being of "Use to other Federal and State Agencies". Report is scientific and technical and outlines concepts and intent of Marine baseline and assessment studies. 2

American Petroleum Industry. 1975. Environmental Research. American Petroleum Industry Publication 4243.

A listing of projects and publications as of 1975 funded by API. 1

Anonymous, Physical Factors Relating to Fisheries and OCS development. Publisher unknown.

A fairly useful set of facts about Georges Bank fisheries and the concerns over competition for space onshore and offshore. Recommends future studies. 1

Anonymous, "Supertankers in the shorebound currents"; Page 3; Publick Occurrences. March 1974.

A review of the drifter current studies by Loder and Shevenell to illustrate the probable on-shore currents that could carry spilled oil from the proposed olympic refineries terminal on Isle of Shoals. 2

Bureau of Land Management. 1974. BLM OCS Environmental Studies Program. Washington, U. S. Department of Interior 2

Bureau of Land Management, 1974. OCS Environmental Studies Program Plan. Washington, U. S. Department of Interior

A series of copies of "Slide Show on BLM's Program in 1974. Easy to follow and understand. 1

Bureau of Land Management, Los Angeles Office. Report on the Southern California OCS workshop meeting planning for benchwork data in southern California biologists; Los Angeles, U. S. Department of Interior.

Third documents on the Baseline Program for Southern California. 4

KL Coastal Resources Center. 1976. Fishing and Petroleum Internations on Georges Bank. Two Volumes. Kingston, University of Rhode Island.

Two volume study of possible conflicts between fishing and petroleum development on Georges Bank. Volume I is a series of maps depicting areas of interest to fishermen and to oil companies, and possible overlaps. Volume II (in two parts, A and B) is a detailed discussion of possible interactions, both onshore and offshore. This is by far the most comprehensive work to date on the subject. 1

Estuarine Research Federation. 1974. Marine Environmental Implications of Offshore Oil and Gas Development in the Baltimore Canyon Region of the Mid-Atlantic Coast. Wachapreague, Virginia, Virginia Institute of Marine Science.

Proceedings of a conference on environmental effects of offshore oil. Very thorough, but technical and detailed. 1

Loutfi, M. 1973. Canadian Maritime Exploration, Exploitation, and Transport: A Multi-Disciplinary Study. Office of Industrial Research, McGill University, Montreal.

Projections for possible oil development offshore Canada. Extremely useful analysis of oil spill risks, and the chemistry of oil spills. 1

Gusey, William F. 1976. The Fish and Wildlife Resources of the Middle Atlantic Bight. Houston, Shell Oil Company.

A data inventory and literature review by Shell Oil for fish and wildlife. Uses U.S. Fish & Wildlife & National Marine Fisheries Service data mostly. Wetland Data; Waterfowl Data; Fish (Sport & Commercial). Illustrated. 1,2

Hathaway, John C. 1972. Stratigraphy and Structure of the OCS of Northeast United States, A Proposal for Study by Shallow Core Drilling. U.S.G.S., Woods Hole, Massachusetts, United States Geological Survey.

The original proposal for shallow holes in Georges Bank 150 meters or so. 4

MIT Offshore Oil Task Group. 1973. The Georges Bank Petroleum Study. Cambridge, MIT Sea Grant.

A study of the potential regional income and environmental quality implications of Georges Bank oil. MIT used a series of hypotheses together with 16 years of drift data to build a computer "Model" of spill trajectories for predicting landing sites and travel time to shore. They also looked at pre-1974 economic data for estimating economic returns to New England. Study weak on fishery biology and implications. 1, 2

Massachusetts Coastal Zone Management. August 1975. Position Paper on BLM's Baseline Studies Conference on Georges Bank. Boston, Executive Office of Environmental Affairs.

A review of the Georges Bank Conference (May 1975) with specific comments on each of the four workshops - Geol., Chem., Physical, Biological. A set of recommendations of the Massachusetts CZM Office. 1, 2

Mayo, R. and Schultz, R. 1975. Plots of USA Fishing Vessel Activity, Georges Bank and Southeast New England. Gloucester, Mass. National Marine Fisheries Service, New England Fish Center.

A ten year statistical report of "Hauled Weight" Fish (excluding inshore fisheries of Mass. & R.I.; offshore lobster and swordfish as inaccurate). Species listed by ten minutes latitude/longitude location (100 sq. miles). Represents U.S. Fishery by vessels, not total resource. This is raw data, unanalyzed. 1

National Oceanic and Atmospheric Administration. 1976. Expanded Program of Environmental Studies on the Alaskan OCS. Boulder, Colorado, U.S. Department of Commerce.

A four part 18 month study consisting of 1) Marine birds; 2) OCS development impact on ecosystems of Beaufort Sea; 3) Accumulation of organic and heavy metals in marine detritivores; 4) Program integration. 1, 3

National Atmospheric and Oceanic Administration. Report of NOAA Scientific and Technical Committee on Marine Environmental Assessment. U. S. Department of Commerce.

A first draft prepared by an 8 man committee with advice from 24 NOAA Scientists. Covers guidelines for OCS oil & gas offshore nuclear plants, deepwater ports, & occasional dumping. Defines baseline, monitoring, & special studies as well as long term ecosystem research. Lists biological impacts from all four activities. Considered by many scientists a good clear planning document. 1, 2

New England Natural Resources Council. 1975. Georges Bank Conference. Boston, New England Natural Resources Council.

Proceedings of conference to discuss marine environmental assessment needs on Georges for oil and gas development. Includes good set of recommendations workshop records and plenary session transcripts. 1, 2

OCS Environmental Studies Advisory Committee. 1977. Annual Report for Calendar Year 1976. Washington. Department of the Interior.

Presents the activities of the Committee which advises the Department of Interior on the various environmental studies conducted on the OCS. 1

OCS Research Management Advisory Board. 1975. Annual Report to the Secretary. Washington, U.S. Department of Interior.

A description of Interior's OCS Program. Emphasis on baseline and monitor programs. Board meetings, etc. 1

U. S. Department of Interior. 1974. Annual Report to the Secretary. OCS Research Management Advisory Board, BLM/Department of Interior. 1

Reed, William, Et, Al. 1973. Coastal Overviews: Conservation Priorities Plan of the Coast of Maine. South Gardiner, Maine, Center for Natural Areas.

A report on the study funded by NERCOM, TNC, BERBC, to examine areas of the coast needing special high priority protection. Lists 36 areas. Contains valuable coastal data on ecosystems, marine species, socio-economics. 2, 3

Rogers, W. B., Fakundiny, R. H., and Kreidler, W. L. 1973. Petroleum Exploration Offshore from New York. Albany, N. Y., State University of New York, Department of Education Circular #46.

An out of date, general geological treatment of the State's geological potential for oil. 1

Schlee, J. and R. E. Mattich. 1975. Sediments, Structural Framework, Petroleum Potential . . . of North Atlantic OCS. Reston, Virginia, U.S.G.S. Open File 75-353.

A good recent review of Georges Bank geology and drilling technology. Good bibliography. 1

Steele, John H. 1974. The Structure of Marine Ecosystems. Cambridge, Harvard University Press.

Application of computer models to studying ocean ecosystems. Models North Sea in spring and summer with real test data a flow of energy through food webs. 1

Swartz, Richard, McWass, and Boesch. 1972. Taxonomic Code for the Biotic of the Chesapeake Bay. Wachapreague, Va., Virginia Institute of Marine Studies, SSR No. 62

A Taxonomic Code that was being used by Alaska and is suggested for extended use for NODC as part of the BLM Environmental Studies. 4

TRIGOM. 1974. A Socio-Economic and Environmental Inventory of the North Atlantic. The Research Institute of the Gulf of Maine.

An extensive compilation of environmental and socio-economic data from Bay of Fundy to Sandy Hook, N.J. A literature review, synthesis of data, raw data, & ongoing research for the continental shelf and inland for coastal counties. 1, 2, 3

University of Rhode Island. 1973. Coastal and Offshore Environmental Inventory, Cape Hatteras to Nantucket, Volumes I and II. Narragansett Bay, R.I., University of Rhode Island.

Contract with API which preceeded the TRIGOM/BLM literature review. Considered environmental, socio-economic data. Excellent treatment of Marine Science. 8

6. Oil Spills - Effects & Studies

Arthur D. Little, Inc. 1976. A Systems Study of Oil Pollution Abatement and Control for Portland Inner-Outer Harbor, Casco Bay. Cambridge, Arthur D. Little.

A 2 volume study of the marine resources of Casco Bay and the recommended response plan for spills in and around Portland Pipeline Terminal. 1.7

Blumer, Max. 1971. "Scientific Aspects Of The Oil Spill Problem". Environmental Affairs Vol. I No. I, April 1971.

The definitive first paper for laymen reading by Blumer on oil spills. Discusses W. Falmouth eight months after the spill. Concludes with 18 summary statements on the significance of oil on marine life. 1, 2

Blumer, Max., Saunders, H. L., Grassle, J. F., Hampson, G. R. 1971. "A small Oil Spill", Environment Use 13 (2)

One of several articles on the West Falmouth #2 fuel oil spill by the WHOI Group who originally studied the effects of the spill. A good readable, popular article for the layman. 2

Boesch, Donald F., Hershner, Carl, Milgram, H. 1974. Oil Spills And The Marine Environment. Cambridge, Ballinger.

A thorough, well documented scientific treatment of the ecological effects of oil pollution in marine environment (Boesch & Hershner). Treats properties of oil; effects of oil on marine ecosystems; effects of cleanup techniques; long term effects, evaluation, Part II: Cleanup and spill control. Part I is useful as a reference. Includes research needs in oil pollution. 1

Butler, MJA, Berkest, F, Powles, H. 1974. Biological Aspects Of Oil Pollution In The Marine Environment: A Review. Montreal, McGill University, Marine Science Centre.

A review of case studies of oil spills including Torrey Canyon, Arrow, Santa Barbara. One of the better review documents. Contains a good summary and conclusion plus chapter end bibliographies. 6

Coastal States Organization. 1975. Oil Spill Primer. Coastal States Organization/Texas Coastal & Marine Council.

A handbook on state and federal legislation including the 1975 "National Oil Pollution Liability & Compensation Act". Includes Texas legislation. 2

Cole, John N., 1971. "Oil and Water: Maine"; Harpers

A review of oil events by Editor of Maine Times. 2

Davisson, Muriel & Roberts, Frank. 1970. Effects of Oil on Marine Life - A Bibliography. Unpublished.

A survey of biological abstracts, chemical abstracts, Oceanographic Citation Journal under Oil, Pollution, Petroleum Products & Hydrocarbon. Annotated for many activities. Covers each group - i.e., shell fish, invertebrates, birds, fish, etc. Not large or very thorough but useful. 2

Degler, Stanley E. (ed). 1969. Oil Pollution: Problems And Policies. Bureau of Natural Affairs.

A collection of 7 papers reprinted or written especially dealing with oil spills in the 60's and the existing laws. Might be useful as a review of older laws but otherwise probably out of date. 2

DeVanney, Jack. 1972. Trip Report Casco Bay Spill. Unpublished Notes by Moore, Delaney & Stewart.

On site observations by 3 MIT Professors on the Tamano Spill - three days after occurrence with a summary of events and then own speculations on the incident and clean-up. 2

Dow, Robert L. 1970. Maine Coastal Pollution. Augusta, Maine Department Of Marine Resources.

A review of oil spill & pollution on the coast. Contains a bibliography. 6

122 Dow, R. L. 1972. Searsport Oil Spill Survey. Augusta, Maine Department of Marine Resources.

Dow and others show the effects of a "half-barrel" spill (as originally stated by the Coast Guard) which devastated a valuable tidal flat that had been a productive clam area. Spill was JP-5 and No. 2 fuel and amounting to 5000 to 10,000 gallons over several months gave the flat a loss of \$4 Million per year total added value of soft clams. 6

Frye, John. 1973. "Oil And Shell Fish". National Fisherman 1973 Annual

A summary of oil spill effects to 1971-72 in popular terms. Cites Blumer & Sass work in W. Falmouth plus other research into carcinogenic effects of shellfish. Clearly written article. 2

Graham, Frank, Jr. 1970. Oil And The Maine Coast. Is It Worth It? Augusta, Natural Resources Council.

Graham reviews the answers to 20 questions asked by NRC in 1969 following the Machiasport Refinery Application Hearing. This reflects the views of some coastal Maine people toward oil development about 1969. 1, 2, 3

Hurst, John, Jr. 1953. A Preliminary Report On The Possibility Of The Use Of Hydro Carbon Digestors: An Index Of Pollution. Unpub. Augusta, Department of Marine Resources.

Early paper in advance of Harpswell Navy Fuel Depot. 6

Institute On Man and Service. 1974. Assessing The Social Impact Of Oil Spills. The Institute On Man and Science.

A three-day seminar at Rensselaerville, N. Y. with 23 papers. Covers oil spill perspective, EPA's response to oil spills, legal response, corporate response, systems approach, public interest groups, direction appendices. 3

Junghans, R. E. 1974. Marine Pollution Monitoring (Petroleum). Washington, U. S. Department of Commerce, National Bureau of Standards.

A symposium on monitoring oil pollution including papers on techniques and results, regulations, and effects on marine life. Contains workshop results and recommendations. 60 papers. 2

Knebel, H. J. 1974. Movement And Effects Of Spilled Oil Over OCS-Inadequacy Of Existent Data For Baltimore Canyon Area. Reston, Virginia, U.S. Geological Survey-Circular 702 - 17 pp

Author shows how in an area such as Baltimore Canyon, where many studies have been done, that data are lacking to predict spill trajectories. Thus we can expect similar inability to predict for areas such as Georges Bank. 2

Mackin, J. G. 1973. A Review Of Significant Papers On Effects Of Oil Spills & Oil Field Brine Discharge On Marine Biotic Communities. Texas A & M Research Foundation Project 737

A highly biased rebuttal of the earlier oil spill studies such as Sanders Et Al, at West Falmouth. A pro-oil scientist disputes reports of damage to biotic communities. Contains a good bibliography of over 830 citations - all annotated. 6

Mayo, D. W., Donovan, D. J., Jiang, L., Dow, R. 1974. "Long Term Weathering Characteristics of Crude Oil: Wreck Of The "Northern Gulf" p. 201-208; In: Marine Pollution Monitoring-Junghans (NBS 409).

A description of the DMR-Bowdoin Project to examine the hydrocarbons in Long Island Friendship, Maine after 10 years, with discussion of clams and effects by oil, and transplant work. 2

McCaul, Julian. 1969. "The Black Tide". Environment II (9).

A review article on offshore drilling & tanker accidents prompted by Santa Barbara & Torrey Canyon. 2

Ministry Of Transport Canada. 1970. Report Of The Task Force Operation Oil: Arrow Oil Spill In Chedabucto Bay, N.S. Ottawa, Ministry of Transport.

A 4-volume report from the 1970 Arrow Oil Spill of Bunker C Fuel (108,000 bbls). Extensive data on behavior of oil in icy conditions and contamination of rocky shores, inclusion of Bunker C, ecological effects, clean-up techniques. Consider one of best of oil spill reports. 2

Moore, Chirin, Puccia, Schrader. 1974. Potential Biological Effects Of Hypothetical Oil Discharges In Atlantic Coast and Alaska. Cambridge, Massachusetts Institute of Technology Sea Grant.

A study commissioned by CEQ to "Model" biological effects of oil spills at OCS drill sites. TRIGOM, VIMS & Univ. Alaska all contributed key species data, MIT did literature review of effects and attempted recovery models for various habitats-general but worthwhile study with lots of spill data. Predictions poor because basic data poor. 1, 2

Morrow, James E. 1974. Effects Of Crude Oil On Young Coho And Sockeye Salmon. Environmental Protection Agency - Arctic Research Lab.

A report of experiments with various concentrations and types of crude (Prudhoe Bay) and effects on Salmon. Discusses toxicity of oil components on fish. 1

National Academy of Sciences. 1975. Petroleum In The Marine Environment Workshop On Inputs, Fates & Effects. Washington, National Academy of Sciences.

A workshop held May 1973 of 60 scientists, updates the earlier editions (Vol. I & II). Covers a large topical area. Divided into four chapters Input, Fates, Analytical Methods, Effects. 6

National Oceanic and Atmospheric Administration. 1977. The Argo Merchant Oil Spill: A Preliminary Report. Washington.

First report of the extensive studies conducted by the federal government of the oil spill resulting from the grounding and sinking of a tanker on Nantucket Shoals. An excellent report on the oil spill, the tests and analyses performed. Gives good idea of the problems involved in oil spill research. 1

Natural Resources Council. 1969. Oil On The Maine Coast. Augusta, Natural Resources Council.

A brief recounting of the early events of oil spills starting with 1952 based on Sea and Shore Fisheries (DMB) records. These events are expanded in Shenton (1973). 2

Schrader, Moore, Ackemray, Long, Tower. 1974. Potential Biological Effects Of Hypothetical Oil Spills Nearshore Long Island, N. Y; Cambridge, MIT-Civil Engineering. Unpub.

A follow-on study to MIT/CEQ study of OCS areas. Specific data for Long Island South Shore. Contains similar biological effect data as previous report. Report presents recovery models for various types of beach or flat oiling and just-order approximation of group that might or might not recover. Excellent treatment. 2

Shenton, E. H. 1973. An Historical Review of Oil Spills Along The Maine Coast. So. Portland, Maine, TRIGOM-Publ. #3.

A compilation of all available oil spill data from 1953 to 1973. Approx. 450 spills. Contains a list of this and summary of biological effects, spill trajectories; Portland Harbor data, oil volumes, etc. 1, 2

Smith, M. M. (Editor). 1969. Proceedings From Southern Maine Coastal Conference - Oil & Casco Bay. Augusta, Natural Resources Council.

A conference that immediately preceded the Machias Oil Leasing in 1969. 1, 2

Smithsonian Institute. 1975. Oil Pollution Event Cards; March 1968 - February 1975. Washington, Smithsonian Center For Short-Lived Phenomena.

A summary of all the oil event cards issued from CSLP since 1968. Indexed through June 1974 with an update to 1975. Center ceased function as part of Smithsonian about September 1975. 2

Steinhart, Carol E. & Steinhart, John S. 1972. Blowout: A Case Study Of The Santa Barbara Oil Spill. Duxbury Press, Wadsworth Company.

A popular, easy to read account of the history of events leading to the Santa Barbara blow out of Platform A, with political and government background. Useful for an idea of the impact of this one spill on the nation and the subsequent laws and attitudes of people for and against oil development. 2

Transport Canada. A Code Of Recommended Standards For The Prevention Of Pollution At Marine Terminals. Transport Canada Marine (Draft Only)

A set of regulations issued by Canada for oil terminals pollution prevention. 2

7. Onshore Effects

Alaska Department of Community and Regional Affairs. 1976. Marine Service Bases for Offshore Oil Development.

The best single volume study of all aspects of service bases. 1

American Petroleum Institute. 1969. Manual On Disposal Of Refinery Wastes. Washington, American Petroleum Institute.

The complete how its done on waste disposal. 2

A. D. Little, Inc. 1973. Potential Onshore Effects Of Deepwater Oil Terminal-Related Industrial Development. Cambridge, Arthur D. Little, Inc.

Part Three concerns Maine. Deals with the Machias Proposal Pages 3-1 to 3-56. Other sections deal with Gulf Coast and Delaware case studies. 1,2

Coffey, James. 1971. A Potential Economic Opportunity - Maine's Deep Water Harbors. Augusta, Maine Department of Economic Development.

A brief look at Maine's ports for oil and other dry cargoes. Based on information from other major world ports. A set of 8 conclusions with nothing specific included on oil cargoes except general statements on deep draft vessels. Recommends industrial parks for Maine. 2

Congressional Research Service. 1976. Effects Of Offshore Oil & Gas Development On The Coastal Zone. U. S. House of Representatives, Ad Hoc Select Committee On OCS, Washington, U. S. Government Printing Office

Chapters: OCS Oil & Gas; OCS Lease Management; Jurisdiction over Offshore Petroleum; Offshore Environmental Impact; Environmental Impact on Coastal Zone; Socio-economic Impact of OCS on Coastal Zone; Effects of OCS on Fishing Industry; Compensation to Coastal States; Appendices 22 in all; Tables. All very good orientation and data. Flow chart for leasing (HR6218) especially good. 2

Connecticut Executive Office. 1975. Governor's Fact Finding Task Force On Oil Refineries. Hartford, State of Connecticut, Executive Department.

A study done on the Economic Effects of a Refinery in Connecticut by Faucett Associates of Maryland, plus review of New England states laws and activities in refineries. 1

Continental Oil Company. 1976. Symposium On Offshore Oil Development On The Georges Bank. Stamford, Connecticut, CONOCO

Complete Text of five presentations on the subject of an oil field on Georges Bank, including discussions of OCS Technology, and company's cost calculations on bidding and development. 1

Seep Draft Terminal Authority. 1974. Superport Environmental Protection Plan.
Deep Draft Terminal Authority.

A description of a plan to be used for the development of a Louisiana Superport. A copy of legislation to establish the Authority is in Appendix A. 1

Goodman, Joel. 1975. Decisions For Delaware. Newark, Delaware; University of Delaware, Sea Grant.

Discussion of possible impacts on Delaware of OCS Development in Baltimore Canyon.

Halper, Martin. 1974. Petroleum Refining; Point Source Category.
Washington, Environmental Protection Agency.

An effluent limitations guideline and new source performance standards for refineries. Considers degree of reduction of pollutants using present and least available technology by 1977 and 1983.

Institute For Water Resources. 1972. U. S. Deep Water Port Study - Physical Coast and Port Characteristics, Alternatives. Volumes 1,2,3,4,5.
Army Corps of Engineers, IWR Dept. 72-8.

Report only gives minor consideration to Maine ports. Concentrates on New York and South. 2

Mass. Energy Policy Office. 1975. An Analysis Of Potential Petroleum Development in Mass. Mass. Energy Policy Office (Unpublished)

A rough draft of cost/benefit for Massachusetts to develop an infrastructure to accommodate OCS petroleum development from Georges Bank. Emphasis is on onshore support industries for OCS. 1, 2

McAlister, John Jr., Linvill, Wm., Saunders, Harvy. 1975. A Technology Assessment, The Impact On California's Coastal Zone From OCS Oil & Gas.
Palo Alto, California, Stanford University Center for Tech. Assessment & Research Policy.

Contains a number of estimates of the needs of the OCS Development on the Onshore Facilities - 6000 wells expected in 35 years with 70% chance of spill. A good planning and economics source, with policy options. 1, 2

McDonald, John; 1971. "Oil & The Environment; The View From Maine".
Fortune April, 1971.

An article on Seaport with a review of the Machias case and fairly good perspective on all oil ventures to 1971 - describes "The Oil Game" and the players. 1, 2

McGlennon, John. 1974; EPA Region I Policy Statement On Refineries And Deepwater Ports On New England. Boston; EPA - Unpublished

A brief policy statement by Region I Administration after the first crunch of the energy crisis. 2

Milroy, D. B. 1972. Service Bases: Operation and Requirements. British Petroleum Development, Ltd. Great Yarmouth, U.K.

Brief description of the requirements for a service base site, and the material and service needs of the operation which other business will supply. 1, 2

Nelson, Stewart B. 1974. "The Perplexities Of The U. S. Marine Transportation System." Marine Affairs Journal #2, Univ. of Rhode Island.

A review of U. S. shipbuilding program in regard to oil transport. 1

New England Center For Continuing Education. 1974. Perspectives On Oil Refineries-Terminals 4th NE Coastal Zone Management Conference. Durham, New Hampshire. NE Center for Continuing Education.

A group of fairly good papers on the economics and environmental issues of locating refineries in New England. 16 papers. Bibliography. Bibliography contains 16 topics and is excellent through 1974. 1,2

NERBC - RALI. 1975. Proposed Work Plan-Development and Application Of Methodogy For Siting Onshore Facilities of OCS

NERBC - RALI Project. 1976. A Methodology For The Siting Of Onshore Facilities Associated With OCS Development - Interim #1. 113 pages; Boston, New England River Basins Commission

Exhaustive compilation of data and descriptions of all the onshore facilities associated with OCS development. Describes the facilities in detail, and notes the various factors involved in decisions on the siting of each kind of facility. 1

NERBC - RALI. 1976. Estimates for New England. Boston, New England River Basins Commission.

Presents three alternate scenarios for finds of oil and/or gas on Georges Bank, High, Medium, and No find. Estimates required onshore facilities and associated economic and environmental impacts. Useful to get an idea of how development might proceed, but underlying logic in estimates is not clearly indicated. 1

Office of Community Planning and Development. 1976. Rapid Growth from Energy Projects: Ideas for State and Local Action. Washington, Department of Housing and Urban Development.

Pamphlet describing the generic impacts of rapid growth. Discusses several cases, mostly in the West. Points out planning needs, and possible strategies. 1

Office of Technology Assessment. 1976. Coastal Effects Of Offshore Energy Development: Oil & Gas Systems- Washington, U. S. Congress, Office of Technology Assessment, U.S.G.P.O.

Critical review of Dept. of Interior OCS Program with a summary of technology needed for OCS development. Discusses the nature of impacts on states. 1

Office of Technology Assessment. 1976. Coastal Effects Of Offshore Energy Development: Oil & Gas Systems. Washington, U. S. Congress, Office of Technology Assessment.

Interim Report for New Jersey & Delaware to analyze: 1) Baltimore Canyon; 2) Deepwater Ports; 3) Floating Nuclear Power Plants. Report presents findings, state concerns, technology deployment, impacts, issues and options. 1, 2

Oxtoby-Smith, Inc. How Influential Citizens View Offshore Drilling - Trends in Sentiment Since 1972. Oxtoby-Smith, Inc. For American Petroleum Institute.

A third round of questionnaires by the NYC firms (1972, 1973 & 1974) to 500 persons in Portland, Maine; Boston; Long Island; Atlantic City, Dover, Delaware; Norfolk, Virginia; St. Petersburg, Florida; Mobile, Alabama; Minneapolis, Minnesota on:

- 1 Attitudes toward Oil Industry
- 2 Attitudes towards Offshore drilling
- 3 Factors shaping attitudes toward drilling
- 4 What would increase favorable attitude 1

Petroff, Frank, Hanscon, Marget and Cummings, Carolyn. 1975. Location & Impact Of An Offshore Oil Rig Servicing Enterprise in Maine Unpub. Paper For University of Maine Economics Department, Prof. James Wilson. Orono, University of Maine

A student project that examined the economic impact of an offshore oil rig service enterprise located at Searsport, Rockland, or Portland. Study supports the hypothesis that, "Undoubtedly the best site of the three" is Portland and the impact would be positive". 1

Porricelli, J.D. & Vergil, Keith. 1973. Tankers and the U. S. Energy Situation. An Economic & Environmental Analysis. Intersociety Commission on Transportation - Conference 9/1973.

A simple and concise statement of the problems of new large super tankers in view of the energy crisis pre-Arab embargo. 2

Praeger, Kavanaugh, Waterbury. 1973. Marine Terminal Feasibility Study Penobscot Bay, Maine.

An economic study that examines the potential for developing Upper Penobscot Bay for a deepwater port or increased freight terminal. Lists recommended improvements to be made to ports. Shows 1972 trade data for various Penobscot Bay ports. 1

Radian Corp. A Program To Investigate Various Factors in Refinery Siting.
Austin, Texas, Radian Corp.

Discussion of general criteria, environmental and economic, involved in refinery siting. Also estimates impacts from hypothetical refineries in areas around the country. Very useful reference work on refineries. 1

Resource Planning Associates, Inc. 1976. Identification & Analysis of Mid-Atlantic Onshore OCS Impacts. For Cambridge, Resource Planning Associates.

Summaries six OCS Studies, and applies them to Middle Atlantic States, critiques all six studies, and estimates impacts based on them. One of the best and most valuable for methodology and useful to Georges Bank. 1

Schrivver, Edward. 1971. "Playing Hazardous Games With The Coast of Maine." Ecology Today, November 1971.

A critique on McDonald's Fortune article and others in their lack of understanding the ecological implications of oil spills. 2

Searsport Port Committee. 1976. Port of Searsport, With Downeast Ports and Harbors 1976. Searsport, Maine, Searsport Port Committee.

A brochure describing the port facilities and services of Searsport and the neighboring ports of Bath all the way to Calais. Includes directory services for each port as much as exists; telephone numbers, addresses, specs, etc. 1

Soros Association, Inc. 1972. Offshore Terminal System Concepts, in 3 Parts and Summary. New York, Soros Assn.

An early report on the 29 harbors considered for wet and dry cargo. Gives Pre-1973 data. Includes Portland, Maine and a description of Gulf of Maine. 1

U. S. Department of Transportation. 1975. Environmental Statement on Deepwater Port Regulations Final EIS. Washington, DOT Deepwater Port Program Office, Marine Environmental System. 1, 5

U. S. Senate, Committee on Air Pollution. 1970. Machiasport Hearings, Senate Air Water Pollution Committee, U. S. Government Printing Office.

Complete records of 1970 hearings at Machiasport, Maine on the occidental refinery. Contains a number of valuable reports and papers; Blumer Statement; Paper by Baker on salt marshes; Crapp on oil pollution; other British authors 2

U. S. Senate Committee On Interior Insular Affairs, 1972. Deep Water Port Issues, U. S. Government Printing Office.

Contains a review of deepwater port policy issues as related to crude oil imports. Defines terms and history of deepwater port and the need for these for ULCC use. Somewhat dated but good to orient on port tanker history. 2

University of New Hampshire. 1974. The Impacts Of An Oil Refinery,
Location In Southeastern New Hampshire, Durham, University of
New Hampshire

The University prepared this report at the request of the Governor to examine economic, environmental and governmental institutional impacts of a refinery as the result of the controversial Onassis-Durham-Isle of Shoals proposed refinery. A fairly thorough study by several dozen professors. Considers the environmental impact of an oil spill, chronic or major on the coast, the estuaries and the Isle of Shoals. 1, 2

Woodward - Clyde Consultants. 1975 Mid-Atlantic Regional Study.
An Assessment Of Onshore Effects Of Offshore Oil

A Regional Study of Socio-Economic effects (Minor Account on Environmental) of New York to North Carolina. Commissioned by American Petroleum Institute. Two study areas are treated but no date specific attempts are made. A number of economic assumptions are worth using or referring to in general OCS terms. Does not appear to be an in-depth study. 1

8. The North Sea Experience

Baldwin, Pamela L. & Malcom. 1975. Onshore Planning For Offshore Oil: Lessons From Scotland. Washington, The Conservation Foundation.

A review of the Scottish Development problems in an attempt to understand what to expect in the Onshore Development in the U. S. Goes through the factors affecting Onshore Development, Harbor supply bases, headquarters, etc. Also construction of production platforms, a virtually ignored topic according to Baldwin is discussed. 1

Bank of Scotland Oil Division. 1974. Facts About Oil. Edinburgh, Bank of Scotland.

A very short picture and words booklet about the North Sea Oil and Gas Industry with a bit of economics. Map of fields. 1

Bank of Scotland Oil Division. 1974. The Oil and Gas Industry - A Glossary of Terms. Edinburgh, Bank of Scotland.

A good beginning glossary divided into six sections from crude oil through refining processes companion to "Facts About Oil". 1

Havelyn-Dairies, et al. 1974. Zetland County Structure Plan Vol. I - Statement of Plans and Proposals. Hewelyn-Dairies, Weeks, Forester Walker & BAR.

Part of 6 Volume survey on management of OCS impacts in Shetland Islands, a major location of onshore facilities in Britain. 1

Hutton, John. 1975. Impacts of Offshore Oil on North East Scotland. Lecture to MIT Sea Grant, April 1975

Paper outlines the role of Northeast Scotland Development Authority (NESDA) on offshore oil. Examines benefits and problems from new industry and effects on Aberdeen, County Aberdeen, Bauff, Kincardine, Moray and Nairn. A good summary of the service needs in the North Sea Development in concise form for laymen. 1, 2

North Sea Oil Division. 1975. North Sea Oil Information Sheet. Edinburgh, Scottish Economic Planning Department.

A quarterly mimeo sheet of 30 pp with topics of exploration, development, gas fields, production, planning, industry, consequences, government pubs., infra-structure, training and safety activity, funds, etc. Very useful update on activities. 1

North East Scotland Dev. Authority. 1975. North East Scotland & Offshore Oil Industry - A Summary of Events.

A review of the growth of the industry in Scotland. List of oil discoveries thru 1974. 1

Sphere Environmental Consultants. 1973. Impact Analysis Oil Platform Construction at Loch Carron - Edinburgh, Scottish Development Department.

A three-month study of the effect expected by the installation of a well-head on the physical environment and surrounding communities: To indicate planning that would minimize adverse impacts; to indicate matters for further study; suggest environmental characteristics for monitoring if permits given. Useful for comparison of effects. 1,3

Scottish Information Office. 1974. Scottish Office Brief on North Sea Oil. Edinburgh, Scottish Information Office.

Describes Scottish Office role in economic and physical planning and infrastructure services. 1

Scottish Information Office Reference Unit. 1975. S.I.O. Factsheet. Edinburgh, Scottish Information Office.

A series of fact sheets: Scotland in profile; Sec. of State for Scotland's responsibilities for industry; development and land use planning; production platform for North Sea Oil; housing and North Sea Oil. 1

U. K. Department of Energy. 1975. Development of the Oil and Gas Resource of the United Kingdom. London, Her Majesty's Stationery Office.

A review of activities in the North Sea for Continental Shelf for 1974. Describes areas production, legislation, environmental protection; etc. 1

U. K. Department of Energy, Scottish Office. 1975. Serving the Offshore Industry. Edinburgh, U. K. Department of Energy.

A brief handbook for the offshore market showing what the U. K. has to offer. 1

U. K. Department of Agriculture & Fisheries, Scotland. 1975. Report from Fisheries and Offshore Oil Consultative Group.

Most recent report from this group after one year of existence. Report considers: effects, pipelines, oil-related debris, navigation hazards, buoys, etc. 1

U. S. Senate, Committee on Commerce. 1974. North Sea Oil & Gas: Impact of Development on The Coastal Zone. National Ocean Policy Study. 1

White, Irvin and Kash, Don E. 1973. North Sea Oil and Gas: Implications For Future U. S. Development. Norman, University of Oklahoma Press.

A follow-on description patterned after Kash Et. Al. Energy Under The Ocean of the history and experiences in the North Sea. CEQ sponsored study which looks at the general development; institutional arrangements; North Sea Oil Technologies; Social Impacts; and implications of U. S. Development. Lists 8 exploratory drill rig accidents from 1966-70. Data cut-off August 1973. 1,2

Zetland County. 1974. A Plan For Sullom Voe (DRAFT) County of Zetland, United Kingdom.

A thorough report comparable to our EIS of the plans for growth in their county where Shetland Oil Development was occurring. Probably useful comparisons for socio-economic effects, with a small Maine coastal town.

9. Legal Aspects

Christol, Carl Q. 1970. Oil Pollution of the Marine Environment. A Legal Bibliography. U. S. Senate, Committee on Public Works, U. S. Government Printing Office.

An apparently thorough bibliography but only through 1970. 1

Emory, Benj. R. 1975. Can They Cope? Are the New England States Prepared For Offshore Oil & Gas Development? Boston, New England Natural Resources Council

Author defines and establishes a "Standard of Preparedness" and interviews each state. Report sets out eight (8) elements in the Standard, like most investigations, report calls for baseline studies before leasing. 1,2

Henry, Harriet. 1973. Coastal Zone Management in Maine; A Legal Perspective. Augusta, State Planning Office.

Report summarizes the legal status of Maine's activities in the Coastal Zone; explains possible effects of 1972 New Federal CZM Act and additional state actions needed. Presents laws applicable to coastal management with a catalogue of laws. 1,2

Lipeles, Maxine. 1975. Oil: Study of Pollution Insurance Liability Laws. Washington, D. C. Environmental Policy Institute. 1,2

Document presents a summary of laws and liability aspects of tankers and fixed spills by International, Federal and State. Plus a comparison of pending legislation. A careful chapter by chapter treatment presents detailed information. 1,2

Mavis, Albert B. 1974. U. S. V. Maine Et Al Report of Special Master. The Legal Intelligencies.

Complete document on U.S. Vs. Maine suit in Supreme Court. Later basis for court decision favoring U. S. 1

New England Regional Commission. 1976. Annotated Index of Energy Facility Related Statutes; A compendium & Analysis. Boston, NERCOM

A Federal and State listing and description of statutes and collates all related laws. Includes power plants, oil refineries, deepwater ports, gas plants, transmission and transportation facilities. Reference document, updated regularly. 1,2

New England Regional Commission. 1975. Decision Making for Energy Facilities in New England: Institutional and Legal Process. Boston, New England Regional Commission.

Description of the laws and institutional frameworks for energy facility siting decisions in New England states. Includes discussion of Federal laws and also a general discussion of energy facility management. Excellent both as a reference work and general work on the subject. 1

Nossman, Waters, Scott, Kruger, Riordan. 1968. Public Land Loss Review Commission OCS Lands Study. unpub.

An early review of the laws and processes involved in the management of OCS lands and ISY BLM in California by a competent law firm in L.A. Document contains a four-page memo with specific reference to Maine's case - prior to U.S. Vs. Maine suit. 4

Sedra. 1969. Report On Suggested Water Pollution and Oil Legislation. Siversky Environmental Dynamic Research Association.

Report to Peter Bradford recommending legislation for control of refineries in Maine. Report prepared for Water and Air Environmental Improvement Commission. 1

Shapley, Deborah. 1975. Offshore Oil: Supreme Court Feeling Intensifies Debate. SCIENCE - 11 April 1975, P. 135.

Contains the General Accounting Office adverse comments of the interior accelerated lease program. Reviews events leading to Supreme Court decision and attempts at new legislation (1975). 4

10. Petroleum Drilling Technology

Anonymous. 1974. "Drilling Offshore". Marine Engineering/Log, April, 1974.

A review of drill rig construction, service boats, and pipelayer barges. General. 1

Clarkson, H. 1975. The Offshore Drilling Register. A Directory of Self-Contained Mobile Sea-going Rigs. H. Clarkson & Co., Ltd.

A concise presentation of types of drill rigs; evolution of rigs; rigs on order in 1975; rigs listed in order of maximum water depth; list of contractors and their drive units; particulars of existing offshore drill units; particulars of drill units by country. 1

ETA Offshore Seminars. 1976. The Technology of Offshore Drilling, Completion and Production. Tulsa. Petroleum Publishing Co.

A complete discussion of the technology and procedures used in offshore oil and gas drilling. 1

Langenkamp, R.D. 1974. Handbook of Oil Industry Terms and Phrases. Tulsa, Oklahoma; Petroleum Publications. 1

National Petroleum Council. 1974-1976. Availability of Materials, Manpower and Equipment For The Exploration, Drilling & Pollution. National Petroleum Council. 1

Ocean Industry. January 1976. "A Contractor's Viewpoint; Trends In Offshore Drilling". Ocean Industry. January 1976.

President of Marlin Drilling discusses doubts that U. S. can achieve energy self-sufficiency by 2000. Industry's view against pending bills in 95th Congress. 2

Offshore. June 1975. Annual Worldwide Drill-Production Issue; Offshore, Tulsa, Oklahoma

A review of years' activity in drilling (1974) 5 year projection: crude production: gas mod., reserves, mod. platform, offshore acreage: 100 largest fields. 1

Plamondon, W. N. Jr. "How The Scene In International Offshore Oil is Changing." Ocean Industry. January 1976.

Discusses the latest status of drill rigs and offshore activity - a surplus of rigs "stacked" even full scale OCS leasing won't use all available. Includes a 1976 list of all rigs available. 2

Sheriff, R. E. 1969. Glossary Of Terms Used In Geophysical Exploration With 1969 Addendum. Reprint from Geophysics 33 (1), 1968.

A Glossary with short definition of most geophysical terms on explorations on land and sea. 2

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