

OCS Study
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BOWHEAD WHALE, BALAENA MYSTICETUS, BIBLIOGRAPHY

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by

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Introduction

The following bibliography has been compiled to accompany a visual matrix chart of references addressing the effects of oil exploration on the endangered bowhead whale, 'Balaena mysticetus'. The bibliography is exhaustive thorough and includes primary literature: books, chapters, and journal articles; "gray" literature: technical, progress, and final reports, and unpublished contractual reports; and pertinent articles in popular magazines. This bibliography is the first of three bibliographies prepared to accompany visual matrix charts. The gray whale, 'Eschrichtius robustus', was the subject of the second bibliography; the right whale, 'Balaena glacialis', the subject of the third bibliography*

The holdings of the following libraries were examined in preparation of this bibliography:

NMFS National Marine Mammal Laboratory
NMFS Auke Bay Laboratory
University of Alaska
University of California at Berkeley
University of California at Santa Cruz

Files from the MMS Alaska OCS Office and the NOAA OCSEAP Office' at Anchorage were inspected for relevant material. Publications examined in their entirety include:

Reports of the International Whaling Commission
Scientific Reports of the Whales Research Institute
(Japan)
Norwegian Whaling Gazette.

Abstracts, papers and notes from the Biennial Marine Mammal Conferences (I-V) and the Bowhead Whale Conferences (I-III) were also examined. Earlier bibliographies searched include:

Darling 1973 - gray whale bibliography only
Bird 1983 - gray whale bibliography only
Hills and Valentine 1982
Severinghaus 1979
Squire 1964
Gold 1977; 1985
Leatherwood et al. 1983
Richardson et al. 1983a

The following computerized data bases were searched using DIALOG in December, 1984:

Aquatic and Fisheries Science
Biosis
Department of Energy
Dissertation Abstracts

- Environline
- Government Printing Office
- Life Sciences
- National Technical Information Service
- Oceanic Abstracts
- Pollution Abstracts
- Zoological Abstracts

Key words used in these searches include: whales, cetaceans, bowhead, gray, right, Balaena mysticetus, Eschrichtius robustus, and Balaena glacialis.

References are cited according to the following format:

Author(s). Date. Title, pp. x-xx. In: Editor's name, ed., Title, Conference title, Date of conference. Place of conference. Report #. Agency that contracted the work, Location of agency, Contract no. Place of publication or location of institute that did the work: Publisher or agency that did the work.

Only information appropriate for the particular reference is included, (e.g. only conference proceedings include title, place, and date of the conference). Journal articles are cited as follows:

Author. Date. Title. Journal title, vol. no. (issue no. if issues not paginated consecutively): page numbers.

An asterisk (*) indicates citations included in the visual matrix. Each reference in the bibliography is followed by a listing of pertinent geographical area(s), topics covered in article, and key words describing content of the reference.

Geographical areas, topics and key words originally were specified by MMS, Alaska Regional Office. Additional key words and geographical areas were added by the compilers when needed. Geographical areas include:

NPAC- North Pacific; north of 50 degrees. In the gray whale bibliography NPAC refers to the Pacific north of the equator.
GOAK- Gulf of Alaska.
BERS- Bering Sea
CHUK- Chukchi Sea
BEAU- Beaufort Sea- includes Canadian Beaufort
ARCT- Arctic

N/S --- Not an area specific.- includes' references,
which either do not pertain to a specific
geographical area or which pertain to all
geographical areas.

Additional geographical areas added to the original listing include:
California Canada, China, Japan, Korea, Mexico, Middle Atlantic, North
Atlantic, Okhotsk Sea, Oregon and Washington*

Key words used in the bibliography are listed under each topic
area and are defined in Table I.

Multiple author references included in the visual matrices are
cited as Richardson et al., date, sequential letter. The phrase "et
al." may refer to different sets of secondary authors, ie., Richardson
et al. 1985b refers to Richardson, W. J., R. A. Davis, C. R. Evans, and
P. Norton, whereas Richardson et al. 1985c refers to Richardson, W. J.,
R. S. Wells and B. Wursig. Multiple author references from the same
year were assigned sequential letters in alphabetical order, if possible.

References for all three bibliographies' are contained in one
computerized data base. Thus any one bibliography does not necessarily
contain all references by the same author"(s) which were assigned
sequential letters; ie., only Braham, H. W. 1981e appears in the bowhead'
bibliography.

Table 1. Topics and Key Words Used in Whale Bibliographies and Visual Matrices

ECOLOGY

Behavior- way in which the whale acts, especially in response to a stimulus.

Energetics- studies involving physiological rates, food requirements, energy budgets, and/or energy flow of stocks and/or individual whales.

Evolution- evolutionary history of a species; phylogenetic or ontogenetic relationships.

Feeding- includes descriptions of feeding activities and behavior, and species utilized as prey.

Habitat- that part of a biome in which whales attempt to make a living.

Life History- stages which the whale pass through in development from the fertilized egg until its death.

Sounds- vocalizations made by whales. Includes basic physical characteristics of sounds and behaviors associated with sound production.

Strandings- records of whales washed onto beaches or trapped in shallow waters from which they can't escape.

Techniques- equipment or procedures used in conjunction with ecological studies.

BIOLOGY

Growth- increases in size and weight of an individual.

Histology- microscopic structure and arrangement of the tissues of the whale. .

Individual ID- procedures used to identify and/or track specific whales.

Morphology- form and structure of organisms or parts of organisms.

Pathology- disease causing - includes discussions of diseases, parasite infestation, and effects of pathogens and/or parasites on whales.

Physiology- life processes and functions of organs/organ systems of whales.

Reproduction- studies of mating behavior. fecundity, timing of mating, calving, nursing of calves, growth of calves, etc.

Taxonomy- classification based on evolutionary relationships.

Techniques- equipment or procedures used to undertake biological studies.

ABUNDANCE & DISTRIBUTION

Abundance- census -studies, reports of direct counts, and estimates of population size.

Distribution- areas where found, changes in range.

Historical Review- studies of estimated population size and distribution of whales from a historical perspective.

Migration- seasonal movements.

Techniques- equipment or procedures used in conjunction with abundance and distribution studies.

POPULATIONS DYNAMICS

Historical Review- studies of population dynamics of whales from a historical perspective-

Life History- changes which whales pass through in their development throughout entire life span - includes papers and reports which consider life history aspects of populations instead of individual whales.

Management- judicious use of whale resources for man's benefit - includes discussions of harvest limitations, habitat and species protection study of population yields, recommended actions or policies to protect populations-

Mortality- studies of death due to natural causes, i.e. disease, predation, old age.

Population Structure- studies of age, sex, and size distribution of whale populations.

... **Recruitment**- number of .-whales in a single year-1 group entering a stock during given period and number of calves that are successfully weened.

Stock Assessment- evaluation of numbers, age or size distribution, etc. of discrete populations of whales.

Techniques- equipment or procedures used in conjunction with population dynamics studies.

NOISE -sounds which elicit or potentially elicit a disturbance response from whales; sounds caused by man's activities in or near waters occupied by whales - includes vehicular noise from AIRCRAFT, HELICOPTERS, and SURFACE VESSELS.

Ambient- background levels of sounds experienced by whales.

Disturbance- any disruption in the whale's utilization of migratory routes, feeding grounds, or other habitats due to noise levels caused by man's activities. .

Dredging- noise associated with dredging activities.

Drilling- sounds associated with exploration and/or development of offshore oil and gas resources.

Explosions- sounds related to oil and/or gas exploration test sites and production activities.

Seismic- sounds associated with oil and/or gas exploration using seismic techniques and equipment.

SUBSISTENCE WHALING

Conservation- efforts directed at prevention of further decline of whale stocks, and practices aimed at restoring depleted stocks.

Historic Subsistence Whaling- whaling morality. resulting from subsistence hunting; effects of whaling on population dynamics of whales; accounts of native subsistence whaling prior to 1950.

Management- judicious use of whale resources to insure continuing availability for subsistence use by native peoples; Includes harvest regulations, habitat and species protection, and recommended actions or policies.

Recent Whaling- current whaling activities, harvest levels, whaling practices, etc. of native peoples who utilize harvested whales for personal consumption; includes discussion of legal ramifications of such activities.

COMMERCIAL WHALING

Historic Commercial Whaling- accounts of commercial whaling activities.

CONTAMINANT S- related to oil and/or gas exploration and/or production activities- literature specifically pertaining to bowhead, gray and right whales - or to effects of contaminants related to oil/gas activities on other cetaceans.

PROBABILITY OF OIL SPILL ENCOUNTER (POSE)

Models (POSE)- simulation studies of the probability of encountering oil spills under varying environmental conditions and oil spill scenarios.

PETROLEUM EFFECTS ON CETACEANS (PEC)

Avoidance- movement of whales from waters contaminated by petroleum hydrocarbons.

Detection- ability of whales to sense hydrocarbon pollution and to respond in an evasive manner.

Disturbance- changes in swimming and migratory patterns, feeding habits and feeding grounds, and mating/reproductive behavior due to hydrocarbon.

External Contact- effects of external contact with hydrocarbon pollution.

Ingestion- uptake of petroleum hydrocarbons accidentally or as a result of feeding activities.

Inhalation- internal absorption of petroleum hydrocarbons in conjunction with respiratory activities.

Models (PEC)- simulation studies of petroleum effects on cetaceans under varying environmental conditions and spill scenarios

PETROLEUM EFFECTS ON. PREY- sublethal and/or lethal effects of exposure to or ingestion of petroleum hydrocarbons by prey species of whales. Includes studies of bioaccumulation through food webs.

LONG TERM EFFECTS

Changes in Migration- alternation of traditional, migratory patterns.

Disturbance- seasonal or longer changes in swimming and migratory patterns, feeding habits and feeding grounds, and mating/reproductive behavior.

Habitat Abandonment- avoidance of waters traditionally used in feeding, migration, etc.

Productivity Reduction- reduction in carrying capacity of a habitat.

Prey Reduction- decrease in biomass of available food organisms.

Abdelbaki, Y. Z., W. G. Henk, J. T. Haldiman, R. W. Henry,
F. K. Al-Bagdadi, & D. W. Duffield. 1980. Morphology of the
kidney of the bowhead whale ('Balaena mysticetus') of Alaska,
USA. Am. Zool. 20(4):963. (Abst.)

Geographical area(s): N/S

Biology:

histology, morphology

Abdelbaki, Y. Z., W. G. Henk, J. T. Haldiman, R. W. Henry,
D. W. Duffield, F. K. Al-Bagdadi, & T. F. Albert. 1981.
Observations on the kidney of the bowhead whale.
Presentation, American Veterinary Medical Association, July,

Geographical area(s): N/S

Biology:

physiology, histology

Abdelbaki, Y. Z., W. G. Henk, J. T. Haldiman, & T. F. Albert.
1983. The sporta permedullaris in the renicula of the
bowhead whale, p.1. In: Abstracts, Fifth Biennial Conference
on the Biology of Marine Mammals, 27 November - 1 December
1983, Boston, MA.

Geographical area(s): N/S

Biology:

physiology

Abdelbaki, Y. Z., W. G. Henk, J. T. Haldiman, T. F. Albert,
R. W. Henry, & D. W. Duffield. 1984. Macro anatomy of the
renicula of the bowhead whale, 'Balaena mysticetus'. Anat.
Rec. 208(4): 481-490.

Geographical area(s): N/S, BEAU, BERS, CHUK

Biology:

physiology, anatomy

Acoustical Society of America (USA). 1981. San Diego workshop
on the interaction between man-made noise and vibration and
Arctic marine wildlife, 25-29 February 1981, San Diego, CA.
Unpubl. rept. for AK Eskimo Whaling Commission, Barrow, AK.
Washington, D.C.: Acoustical Society of America.

Geographical area(s): N/S, BEAU

Noise:

aircraft, ambient, dredging,
drilling, helicopter, seismic, surface vessels

Adams, M., & R. Dronenberg. 1980. Why not the gray whale?:
 - Substitution would affect nutrition food chain. Arct.
 Cstl. Man. Newsl. 30:9-11.

Geographical area(s):

Adams, M. 1982a . History and function of the Alaska Eskimo
 Whaling Commission. Proceedings, First Conference on
 the Biology of the Bowhead Whale, 'Balaena mysticetus':
 Population Assessment, 25-29 January 1982, Anchorage, AK.
 The Alaska Eskimo Whaling Commission.

Geographical area(s): ARCT, BEAU, BERS, CHUK
 Subsistence Whaling:
 management

Adams, M. 1982b . Role of the bowhead whale in the Eskimo
 culture. Proceedings, First Conference on the Biology of
 the Bowhead Whale, 'Balaena mysticetus': Population
 Assessment, 25-29 January 1982, Anchorage, AK. The Alaska
 Eskimo Whaling Commission.

Geographical area(s): ARCT, BEAU, BERS, CHUK
 Subsistence Whaling:
 whaling (recent)

Agarkov, G. B., B. G. Khomenko, A. P. Manger,
 V. G. Khadzhinskij, & A. A. Vronskij. 1979. Funktsional'naya
 morpologiya kitoobraznykh [Functional morphology of
 cetaceans]. Kiev: Naukova Dumka.

Geographical area(s): N/S
 Biology:
 physiology

Aigner, J. S. 1985. Early arctic settlements in North
 America. Sci. Am. NW 253(5): 160-169.

Geographical area(s): ARCT, BEAU
 Subsistence Whaling:
 subsistence whaling - historic
 Long Term Effects:
 abandonment of habitat

Ainley, D. G., G. W. Page, L. T. Jones, L. E. Stenzel,
& R. L. LeValley. 1980. Beached marine birds and mammals of
the North American west coast: A manual for their census
and identification. FWS/OBS-80/03. Washington D.C.: USFWS,
Biological Services Program.

Geographical area(s): N/S

Biology:

morphology taxonomy

Ecology:

strandings

Alaska Geographic. 1979. Alaska whales and whaling.
AK Geogr. 5(4).

Geographical area(s): ARCT, NPAC, GOAK, BERS, BEAU, CHUK

Ecology:

life history

Abundance & Distribution:

abundance, distribution

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Commercial Whaling:

historic commercial whaling

Albert, T. F. 1979. Tissues (structure/function): Normal
structure of critical tissues and organs, pp.297-329. In:
Investigations of the occurrence and behavior patterns of
whales in the vicinity of the Beaufort Sea Lease Area. Final
rept. for the period 1 October 1978 through 30 November 1979
prepared for BLM, AK OCS Office, Anchorage, AK..

Geographical area(s): N/S, BEAU, CHUK

Biology:

histology, pathology, physiology

Albert, T. F. 1980a. Tissue structural studies and other
investigations on the biology of endangered whales, pp.97-101.
In: J. L. Imm, cd., Interagency meeting to review, coordinate,
and plan bowhead whale research, other cetacean research, and
related research bearing upon the conservation and protection
of endangered marine species in Alaska and elsewhere.
Presentation, OCS Endangered Species Research Program Review,
12-14 November 1980. Seattle, WA: AK OCS Office.

Geographical area(s): N/S

Biology:

histology, physiology

Albert, T. F. 1980b. Tissue structure studies of the bowhead whale. Arct. Cstl. Man. News1. 28:15-19.

Geographical area(s): N/S

Biology:

histology, physiology

Albert, T. F. 1981a. Determination of levels of toxic substances in selected tissues of the bowhead whale, 'Balaena mysticetus', and gray whale, 'Eschrichtius robustus', pp.47-49. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for period 1 April 1980 through 30 June 1981 for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:

pathology

Albert, T. F. 1981b. Determination of the incidence of whale strandings in the vicinity of the lease area, pp.43-45. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, ARCT

Ecology:

strandings

Population Dynamics:

mortality

Albert, T. F. 1981c. Listing of collected bowhead whale specimens with observations made during initial examination, pp.845-916. In: T. F. Albert, ed. Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period of April 1, 1980 through June 30, 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, pathology, physiology

Albert, T. F. 1981d. Observations on the radiographic anatomy of the pectoral limb of the bowhead whale, pp.917-935. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

anatomy, morphology, physiology

Albert, T. F. 1981e. Project management, coordination of research effort and collection of tissue specimens from the bowhead whale, 'Balaena mysticetus', and the gray whale, 'Eschrichtius robustus', pp.19-42. In: T. F. Albert, ed., Tissue structural studies & other investigations on the biology of endangered whales in the Beaufort Sea, vol.1. Final rept. for period 1 April 1980 - 30 June 1981 for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. of MD.

Geographical area(s): N/S

Biology:

physiology, histology

Albert, T. F. 1981f. Some thoughts regarding the possible effects of oil contamination on bowhead whales, 'Balaena mysticetus', pp.945-953. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): CHUK, BEAU, N/S

Effects of Petroleum on Cetaceans:

external contact, ingestion, inhalation

- * Albert, T. F., ed. 1981g. Tissue structural studies and other investigations on the 'biology of endangered whales in the Beaufort Sea. 2 vols. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S, BEAU, CHUK

Biology:

physiology, pathology, histology,
anatomy

Subsistence Whaling:

whaling (recent) .

Ecology:

sounds

Effects of Petroleum on Cetaceans

Albert, T. F., & R. B. Dronenburg. 1982. General scientific goals of the North Slope Borough and the Alaska Eskimo Whaling Commission. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus' : Population Assessment, 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): ARCT, BEAU, BERS, CHUK

-Subsistence Whaling:

management

Population Dynamics:

management

Biology

Albert, T. F., & L. M. Philo. 1979. Tissues (structure/function), pp.187-212. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, BEAU

Biology:

histology, physiology, morphology,
pathology

Albert, T. F., ed. 1983. Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): BEAU, BERS, CHUK, NPAC, ARCT, N/S

Biology:

histology, physiology

Abundance & Distribution:

abundance, distribution

Noise:

seismic, aircraft, surface vessels

Commercial Whaling:

historic commercial whaling

Ecology:

behavior

Albert, T. F., ed. 1985. Third Conference on the Biology of the Bowhead Whale 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical. area(s): N/S, BEAU, BERS, CHUK

Biology:

physiology

Abundance & Distribution:

abundance, distribution

Noise:

aircraft, seismic

Ecology:

behavior, sounds, techniques

Population Dynamics:

techniques

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Albert, T. F., G. Migaki, H. W. Casey, & L. M. Philo. 1980.
Healed penetrating injury of a bowhead whale. Mar. Fish.
Rev. 42(9-10): 92-96.

Geographical area(s): N/S, BEAU

Biology:

histology, physiology

Subsistence Whaling:

whaling (recent)

Albert, T. F., J. J. Kelley, & R. Dronenburg, eds. 1982.
Proceedings, First Conference on the Biology of Bowhead
Whale 'Balaena mysticetus': Population Assessment, 25-29
January 1982, Anchorage, AK. The Alaska Eskimo Whaling
Commission.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration

Biology:

physiology

Subsistence Whaling:

whaling (recent)

Ecology:

behavior

Aldrich, H. L. 1889. Arctic Alaska and Siberia, or eight
months with the Arctic whaleman. Chicago: Rand McNalley.

Geographical area(s): N/S, BEAU, CHUK, ARCT

Ecology:

sounds

Allen, A. J. 1978. A whaler and trader in the Arctic, 1895-
1944. Anchorage: Alaska Northwest Publishing Co.

Geographical area(s): BEAU, CHUK

Ecology:

behavior

Abundance & Distribution:
 distribution
 Subsistence Whaling:
 subsistence whaling - historic
 Commercial Whaling:
 historic commercial whaling

Allen, K. R. 1980. Conservation and management of whales.
 WA Sea Grant. Seattle, WA: Univ. WA Press.

Geographical area(s): N/S
 Population Dynamics:
 models, management, recruitment,
 stock assessment
 Ecology:
 life history, feeding
 Subsistence Whaling:
 conservation, management
 Abundance & Distribution:
 abundance, distribution, migration
 Commercial Whaling:
 historic commercial whaling

Andreeva, T. V., & A. V. Yablokov. 1965. Novoe v razrabotke
 metodiki opredeleniya bozrasta usatykh kitov [A new
 contribution to the development of methods for determining the
 age of baleen whales]. Zoologicheskii Zhurnal 40(1):145-146.
 (Transl. by Fish. Res. Board Canada 1965, Transl. Ser. 560.)

Geographical area(s):

Anonymous. 1977a. Taking of bowhead whales by Indians, Aleuts
 or Eskimos for subsistence purposes. Int. Whaling Comm.
 Annual Meeting 1977 (SC/SPC/15).

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 whaling (recent)

Anonymous. 1977b. The United States' conservation program for
 the bowhead whale, 'Balaena mysticetus', in the Bering,
 Chukchi, and Beaufort Seas (Incorporating NMFS plan for an
 expanded bowhead whale research program, 1 October 1977
 through 30 September 1980). Int. Whaling Comm. Annual
 Meeting, June 1977 (SC/SCP/14).

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 management, conservation

Anonymous. 1977c. Whale of a time for Eskimos. New
Sci. 76:687.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
management

Anonymous. 1978. IWC raises bowhead take, reduces other
quotas. Sea Technol. 19(8): 71.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
management
Abundance & Distribution:
abundance
Population Dynamics:
management

Anonymous. 1979. Worldwide whale catches to be reduced.
Aust. Fish. 38(9): 25-28.

Geographical area(s): ARCT
Subsistence Whaling:
whaling (recent), management

Anonymous. 1980a. Outlook for Alaska shows much optimism.
Offshore 40(7): 118-120.

Geographical area(s): ARCT, BEAU
Effects of Petroleum on Cetaceans:
external contact, ingestion

Anonymous. 1980b. Wale Sind Vom Aussterben Bedroht. Leben
Umwelt 17(5): 100-101.

Geographical area(s):
Subsistence Whaling:
conservation

Anonymous. 1984. Annual NSB bowhead census, Underwater
Acoustic Research Pioneering. Arct. Pol. Rev. 2(6): 14-15.

Geographical area(s): ARCT, BEAU, CHUK
Abundance & Distribution:
abundance , techniques

- * Applied Science -Associates,- Inc. & Hubbs Marine Research
Institute. 198,5 * Bowhead and gray whale migration models.
Interim rept. for MMS, Anchorage, AK, Contract no. 14-12-0001-
30076.

Geographical area(s): BEAU, BERS, CHUK, GOAK
Probability of Oil Spill 'Encounter:
models
Abundance & Distribution:
migration, distribution

- Arai, Y., & S. Sakai. 1952. Whale meat in nutrition. Sci.
Rep. Whales Res. Inst. 7:51-67.

Geographical area(s): N/S
B i o l o g y

- Arnason, U. 1982. Southern blot hybridization in cetaceans,
using killer whale restriction fragment as a probe.
Hereditas 97:47-50.

Geographical area(s): N/S
Biology:
genetics

- Arnason, U., I. F. Purdom, & K. W. Jones. 1982. Cetacean
molecular hybridization using balaenopterid satellite DNA
complementary RNA as probes. Hereditas 97:33-36.

Geographical area(s): N/S
Biology:
taxonomy
Ecology:
evolution

- Arnason, U., M. Hoglund, & B. Widegren. 1984. Conservation of
highly repetitive DNA in cetaceans. Chromosome (Berl)
89:238-242.

Geographical area(s): N/S
Ecology:
evolution

Arvy, L. 1980. Les Cetaces du Canada: la baleine a tete d'art 'Balaena mysticetus' et le marsouin blanc 'Delphinapterus leucas' au temps de Charlevoix et de Maurepas [Cetaceans of Canada: the great polar whale 'Balaena mysticetus' and the white porpoise 'Delphinapterus leucas', at the time of Charlevoix and Maurepas]. Ann. Sot. Sci. Nat. Charente-Marit. 6(7): 633-645.

Geographical area(s): NATL, ARCT, CANA

Abundance & Distribution:

review

Biology:

pathology

Audubon. 1975. January 1985, Vol.77, No. 1.

Geographical area(s): N/S

Biology:

taxonomy

Subsistence Whaling:

conservation, whaling (recent), subsistence whaling - historic

Ecology:

behavior, life history

Commercial Whaling:

historic commercial whaling

Bailey, A. M., & R. W. Hendee. 1926. Notes on the mammals of northwestern Alaska. J. Mammal. 7:9-28.

Geographical area(s): BERS, CHUK, BEAU

Biology:

morphology

Subsistence Whaling:

subsistence whaling - historic

Abundance & Distribution:

distribution

Ecology:

behavior

Bartholomew, G. A. 1974. The relation of the natural history of whales to their management, pp.294-302. In: W. E. Schevill, cd., The whale problem: A status report. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): N/S

Population Dynamics

Ecology:

life history, habitat

Baum, G. R., & W. H. Wheeler. 1977. Cetaceans from the St. Marys and Yorktown formations, Surry County, Virginia. J. Paleontol. 51(3): 492-504.

Geographical area(s): N/S, VA
 Ecology:
 evolution

Bee, J. W., & E. R. Hall. 1956. Mammals of northern Alaska and the Arctic slope. Univ. KS (Lawrence) Mus. Nat. Hist. Misc. Publ. no. 8.

Geographical area(s): BEAU, CHUK, BERS
 Biology

Benjaminsen, T., J. Berlund, D. Christensen, I. Christensen, I. Huse, & O. Sandnes. 1976. Merking observasjoner og adferdsstudier av hval i Barentshavet og ved Svalbard i 1974 og 1975 [Marking, sightings and behavior studies of whales in the Barents Sea and at Svalbard in 1974 and 1975]. Fisker Havet. 76(2): 9-23.

Geographical area(s): ARCT, BARS
 Abundance & Distribution:
 distribution

Bennett, J., & D. Ljungblad. 1983. Field use of a portable computer system on aerial surveys of endangered whales in Alaskan waters, p.8. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1. December 1983, Boston, MA.

Geographical area(s): N/S
 Biology:
 techniques
 Abundance & Distribution:
 abundance

Berzin, A. A. 1978. Distribution and number of whales in the Pacific whose capture is prohibited. Biologiya Morya [Sov. J. Mar. Biol.] 4:738-743.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK, OKHO
 Abundance & Distribution:
 distribution, abundance

Berzin, A. A., & N. V. Doroshenko. 1981. Right whales of the Okhotsk Sea. Rept. Int. Whaling Comm. 31:451-455 (SC/32/PS2).

Geographical area(s): NPAC, OKHO
 Abundance & Distribution:
 abundance, distribution

Biology:
 taxonomy, morphology
 Noise:
 aircraft, helicopter
 Ecology:
 behavior

Berzin, A. A., & N. V. Doroshenko. 1982. Distribution and abundance of right whales in the North Pacific. Rept. Int. Whaling Comm. 32:381-383.

Geographical area(s): ARCT, NPAC, BERS, CHUK, OKHO
 Population Dynamics:
 review
 Abundance & Distribution:
 abundance, distribution

Berzin, A. A., & A. A. Kuz'min. 1975. Serye i gladkie Kity okhotskogo moria [Gray and right whales of the Okhotsk Sea], pp.30-32. In: G. B. Argarkov & I. V. Smelova, eds., Morksi mlekopitayushie [Marine mammals], pt.1, Materials Sixth All-Union Conference on Studies on Marine Mammals, 1-3 October 1975, Kiev. (In Russian, transl. avail. NMF.S.)

Geographical area(s): CHUK, BEAU, BERS
 Biology:
 morphology taxonomy

Berzin, A. A., & V. L. Vladimirov. 1981. Changes in the abundance of whalebone whales in the Pacific and the Antarctic since the cessation of their exploitation. Rept. Int. Whaling Comm. 31:495-499 (SC/32/PS 17).

Geographical area(s): NPAC, CHUK, OKHO
 Abundance & Distribution:
 abundance, distribution

Berzin, A. A., & A. V. Yablokov. 1978. Chislennost' i populyatsionnaya struktura osnovnykh ehkspluatiruemykh vidov kitoobraznykh Mirovogo okeana [The numbers and population structure of major exploited cetacean species of the World Ocean]. Zool. Zh. 57(12): 1771-1785.

Geographical area(s): N/S
 Abundance & Distribution:
 abundance
 Subsistence Whaling:
 conservation, management
 Population Dynamics:
 population structure

Bird, J. E. 1977. Whales, whaling, dolphins and porpoises.
Publ. no. ACS5D-1. San Diego, CA: American Cetacean Soc.

Geographical area(s): N/S
Biology
Population Dynamics

Subsistence Whaling

Bird, J. E. 1983. The California gray whale, 'Eschrichtius robustus': A review of the literature on migratory and behavioral characteristics, pp.A1-A106. In: Investigations of the potential effects on underwater noise from petroleum industry activity on migrating gray whale behavior. Final rept. for the period 7 June 1982 - 31 July 1983 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S
Ecology:
 behavior, sounds
Abundance & Distribution:
 migration, abundance, distribution
Noise:
 helicopter, aircraft, dredging,
 drilling, seismic, surface vessels, explosions
Long Term Effects:
 abandonment of habitat
Biology:
 individual identification
Population Dynamics:
 population structure

Bird, J. E. 1985. The effect of seismic operations on marine mammals; a literature review update. Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. BBN rept. no. 5851 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, NPAC, BEAU
Noise:
 seismic, surface vessels, drilling,
 dredging
Ecology:
 techniques, behavior

Birnie, P. 1979. International Whaling Commission under pressure. *Ambio; A Journal of the Human Environment, Research and Management* 8:233-235.

Geographical area(s): ARCT, BEAU, BERS, CHUK
Subsistence Whaling:
 whaling (recent), management

Birnie, P., & R. Sandbrook. 1979. Mar. Policy IWC: Increasing complexities. Rept. Int. Whaling Comm. 31:69-72.

Geographical area(s): NPAC, BEAU, BERS, CHUK
 Subsistence Whaling:
 management

Bockstoe, J. 1976. Man's exploitation of the western Arctic bowhead, pp.163-170. In: Mammals in the seas, vol.3. FAO Fish. Ser. no. 5.

Geographical area(s): BERS, BEAU, CHUK
 Subsistence Whaling:
 subsistence whaling - historic
 Commercial Whaling:
 historic commercial whaling

Bockstoe, J. 1977a. Eskimo whaling in Alaska. AK Mag. 43(9).

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 management, subsistence whaling - historic, whaling (recent)

Bockstoe, J. R. 1977a. An issue of survival: Bowhead vs. tradition. Audubon 79(5): 142-145.

Geographical area(s):

Bockstoe, J. R. 1977b. Steam whaling in the western Arctic. New Bedford, MA: New Bedford Whaling Museum, Old Dartmouth History Society.

Geographical area(s): BEAU
 Commercial Whaling:
 historic commercial whaling

Bockstoe, J. 1978a. A preliminary estimate of the reduction of the western Arctic bowhead whale, ('Balaena mysticetus'), population by the pelagic whaling industry: 1848-1915. Final rept., MMC-77/08 Ott 78. Washington, D.C.: Marine Mammal Commission.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK
 Population Dynamics:
 review, mortality recruitment

Commercial Whaling:
 historic commercial whaling
 Ecology:
 life history
 Abundance & Distribution:
 abundance, distribution

Bockstoce, J. 1978b. History of commercial whaling in arctic Alaska. AK Geogr., Alaska Whales and Whaling, 5(4): 17-43.

Geographical area(s): NPAC, BERS, ARCT, CHUK
 Commercial Whaling:
 historic commercial whaling

Bockstoce, J. 1980a. Battle of the bowheads. Nat. Hist. 89(5): 52-61.

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 management, whaling (recent)

Bockstoce, J. R. 1980b. A preliminary estimate of the reduction of the western Arctic bowhead whale population by the pelagic whaling industry: 1848-1915/ Mar. Fish. Rev. 42(9-10): 20-27'.

Geographical area(s): BEAU, BERS, CHUK
 Population Dynamics:
 review
 Commercial Whaling:
 historic commercial whaling

Bockstoce, J. R. 1986. Whales, ice, and men: History of whales in the western Arctic. Seattle, Wash. Univ. of WA Press.

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 subsistence whaling - historic
 Commercial Whaling:
 histology

Bockstoce, J. R., & D. B. Botkin. 1980a. The historical status and reduction of the western Arctic bowhead whale, 'Balaena mysticetus', population by the pelagic whaling industry, 1848-1914. Final rept. to NMFS, Contract no. 03-78-M02-02 12. Old Dartmouth Historical Society (New Bedford Whaling Museum).

Geographical area(s): BEAU, BERS, CHUK
 Commercial Whaling:

historic commercial whaling
Population Dynamics:
review

Bockstoce, J. R., & D. B. Botkin. 1980b. Historical status and reduction of the western Arctic bowhead whale, '*Balaena mysticetus*', population by the pelagic whaling industry, 1848-1914. Addendum to final rept. to NMFS, Contract no. 03-78-M02-0212. Old Dartmouth Historical Society (New Bedford Whaling Museum).

Geographical area(s): BEAU, BERS, CHUK
Commercial Whaling:
historic commercial whaling
Population Dynamics:
review

Bockstoce, J. R., & D. B. Botkin. 1982. The harvest of Pacific walruses, '*Odobenus rosmarus*', by the pelagic whaling industry, 1848 to 1914. Arct. Alp. Res. 14(3): 183-188.

Geographical area(s): ARCT
Commercial Whaling:
historic commercial whaling

- * Bockstoce, J. R., & D. B. Botkin. 1983. The historical status and reduction of western Arctic bowhead whale, '*Balaena mysticetus*', population by the pelagic whaling industry, 1848-1914. Rept. Int. Whaling Comm., Special Issue no. 5: 107-141 (SC/32/PS16).

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK, N/S
Population Dynamics:
recruitment, mortality, review
Commercial Whaling:
historic commercial whaling
Ecology:
life history
Abundance & Distribution:
abundance, distribution

Bodfish, H. H. 1936. Chasing the bowhead whale. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): BEAU
Commercial Whaling:
historic commercial whaling

- * Boeri, D. 1983. People of the ice whale: Eskimos, white men, and the whale. New York: E.P. Dutton.

Geographical area(s): ARCT, BERS, BEAU, CHUK

Ecology:

behavior

Subsistence Whaling:

whaling (recent), management

Bogoslovskaya, L. S., L. M. Votrogov, & I. I. Krupnik. 1982.
The bowhead whale off Chukotka: Migrations and aboriginal.
Rept. Int. Whaling Comm. 32:391-399.

Geographical area(s): ARCT, BERS, CHUK

Abundance & Distribution:

distribution

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Born, E. W., & M. P. Heide-Jorgensen. 1983. Observations of
the bowhead whale, 'Balaena mysticetus', in central west
Greenland in March-May 1982.

Geographical area(s): NATL, GRLD

Abundance & Distribution:

distribution

Borstad, G. A. 1984. Water colour and. temperature in the
southern Beaufort Sea: Remote sensing in support of ecological
studies of the bowhead whale. Unpub 1. rept. for Dept.
Fish. & Oceans, Sidney, B.C. Arctic Labs Ltd.

Geographical area(s): BEAU

Ecology:

habitat

Abundance & Distribution:

distribution

Botkin, D. 1980. History of the bowhead whales: A computer
analysis of whaler's logbooks, 1848-1915. Marine Studies
Seminar, 21 May 1980, Univ. of CA at Santa-Cruz.
Santa Cruz, CA.

Geographical area(s):

Braham, H. W. 1978. Seasonal distribution and abundance of
bowhead and beluga whales in the Bering Sea and Arctic Ocean,
pp.63-65. In: Environmental assessment of the Alaskan
continental shelf, quarterly reports of principal
investigators for April-June 1978.

Geographical area(s): CHUK, BEAU

Abundance & Distribution:

abundance, distribution

Braham, H. W. 1980. Bowhead whale , 'Balaena mysticetus' :
1. Migration, distribution and population enumeration.
Cetus 2(1): 4-5.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Abundance & Distribution:
distribution

Ecology:
behavior

Braham, H. W. 1981e. La substitution de la ballena gris
'Eschrichtius robustus' por la ballena bowhead 'Balaena
mysticetus ' por 10S esquimales de Alaska [Substitution of the
gray whale 'Eschrichtius robustus' for the bowhead whale,
'Balaena mysticetus' , by the Alaskan eskimos]. Sociedad
Mexicana Estudio Mamiferos Marinos, A.C., La Paz (Mexico).
6. Reun. Int. para el Estudio de 10S Mamiferos Marinos de la
Peninsula de Baja California La Paz (Mexico), 10 Feb 1981.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Subsistence Whaling:
management, subsistence whaling - historic, whaling (recent)
Commercial Whaling:
historic commercial whaling

Braham, H. W. 1982a. Operating plans and objectives for the
cetacean research program for FY 1983. Seattle, WA: NOAA,
NMFS, National Marine Mammal Lab. (7600 Sand Point Way,
Seattle, WA 98115).

Geographical area(s): BEAU, BERS, CHUK

Ecology:
life history
Abundance & Distribution:
abundance

- * Braham, H. W. 1982b. Comments on the world stocks of bowhead
whales and estimating total population abundance in the
western Arctic. Submitted to the First Conference on the
Biology of Bowhead Whales: Population Assessment, 25-29
January 1982, Anchorage, AK. The Alaska Eskimo Whaling
Commission.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK, N/S

Abundance & Distribution:
abundance, distribution

Subsistence Whaling:
whaling (recent)

Population Dynamics:

stock assessment, review
 Commercial Whaling:
 historic commercial whaling

Braham, H. W. 1982c. Report of the First Interorganization Bowhead Whale Research Planning and Technical Coordination Meeting, 11-12 March 1982. NOAA Tech. Mere. NMFS F/NWC-36. Seattle, WA: NOAA, NMFS (7600 Sand Point Way, NE, Bldg. 32, Seattle, WA 98115).

Geographical area(s): BERS, BEAU, CHUK, ARCT
 Population Dynamics:
 recruitment, management
 Ecology:
 feeding
 Abundance & Distribution:
 abundance, distribution

Braham, H. W. 1982d. A short review of bowhead whale historical distribution and commercial whaling. In: Proceedings, First Conference on the Biology of the bowhead whale, 'Balaena mysticetus': Population assessment, 25-29 January 1982, Anchorage, AK. The Alaska Whaling Commission.

Geographical area(s): ARCT, NATL, NPAC
 Commercial Whaling:
 historic commercial whaling
 Population Dynamics:
 review

Braham, H. W. 1983a. Bowhead whales and the NMFS: Research in fiscal years 1983 and 1984. Unpubl. ms. prepared for Third Interorganization Bowhead Whale Research Planning and Technical Coordination Meeting, 13-14 December, 1983.

Geographical area(s): BERS, BEAU, CHUK
 Biology:
 individual identification, physiology
 Population Dynamics:
 management, stock assessment, models
 Ecology:
 life history, sounds
 Subsistence Whaling:
 anthropology, whaling (recent), management

Braham, H. W. 1983b. Report of the Second Interorganization Bowhead Whale Research Planning and Technical Coordination Meeting, 15-16 December 1982. NOAA Tech. Mere. NMFS F/NWC 46.

Geographical area(s): ARCT, BEAU, BERS, CHUK
 Abundance & Distribution:

abundance distribution
 Ecology :
 behavior
 Noise

Braham, H. W. 1983c. Summary of interorganization bowhead research planning and coordination, 1982-1983. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): ARCT, BEAU, BERS, CHUK
 Population Dynamics:
 management
 Biology

Braham, H. W. 1984a. Coastal migrating whales, pp.341-343. In: D. E. Davis, cd., CRC handbook of census methods for terrestrial vertebrates. Boca Raton, FL: CRC Press.

Geographical area(s): N/S
 Abundance & Distribution:
 abundance, migration, techniques
 Population Dynamics:
 techniques

- * Braham, H. W. 1984b. The bowhead whale, 'Balaena mysticetus'. Mar. Fish. Rev. 46(4): 45-53.

geographical area(s): ARCT, BEAU, BERS, CHUK
 Biology:
 morphology
 Abundance & Distribution:
 migration, abundance
 Population Dynamics:
 stock assessment
 Ecology:
 life history

Braham, H. W. 1984c. The status of endangered whales: An overview. Mar. Fish. Rev. 46(4): 2-6.

Geographical area(s): 'N/S
 Abundance & Distribution:
 abundance
 Population Dynamics:
 review, stock assessment, management

Braham, H. W., & J. M. Breiwick. 1980. Projections of a decline in the western Arctic population of bowhead whales. Int. Whaling Comm., Annual Meeting (SC/32/PS8).

Geographical area(s): ARCT

Population Dynamics:

models

Abundance & Distribution:

abundance

Braham, H. W., & B. D. Krogman. 1977. Population biology of the bowhead, 'Balaena mysticetus', and beluga, 'Delphinapterus leucas', whale in the Bering, Chukchi and Beaufort Seas. Processed rept. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center (2725 Montlake Blvd E, Seattle, WA 98112). "

Geographical area(s): BERS, BEAU, CHUK

Abundance & Distribution:

distribution, migration, abundance

Braham, H. W., & B. D. Krogman. 1978. -Seasonal distribution and abundance of bowhead and beluga whales in the Bering Sea and Arctic Ocean, pp.29-38. In: Receptors - mammals, birds, vol.1 of Environmental assessment of the Alaskan continental shelf, annual reports of principal investigators for the year ending March 1978.

Geographical area(s): BEAU', CHUK, BERS

Abundance & Distribution:

abundance, distribution, migration

Population Dynamics:

stock assessment

Braham, H. W., & S. Leatherwood. 1978. Ingutuk: Preliminary remarks on the morphological variation of the bowhead whale 'Balaena mysticetus'. Seattle, WA: NOAA, NMFS, Northwest and AK Fisheries Center, Marine Mammal Division (7600 Sand Point Way NE, Seattle, WA 98115).

Geographical area(s): BEAU, CHUK, BERS

Biology:

morphology, taxonomy

Braham, H. W., & D. J. Rugh. 1983a. A photographic identification system 'of bowhead whales. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center, Marine Mammal Lab. (7'600 Sand Point Way NE, Bldg. 32, Seattle, WA 98115).

Geographical area(s): BEAU, CHUK

Biology:

individual identification

Braham, H. W., & D. J. Rugh. 1983b. Report of two workshops on the development and evaluation of the photo identification system for bowhead whales. NOAA Tech. Mere. Seattle, WA: NOAA, National Marine Mammal Lab.

Geographical area(s): BEAU

Biology:

techniques, individual identification

Braham, H. W., T. Bray, R. Everitt, B. Krogman, P. McGuire, R. Mercer, M. Nerini, C. Peterson, D. Rugh, N. Severinghaus, R. Sonntag, & D. Withrow. 1977a. Marine Mammal Division, Outer Continental Shelf Environmental Assessment Program Studies in Alaska, p.5. In: Second Conference on the Biology of Marine Mammals, 12 December 1977, San Diego, CA-

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

distribution, migration

Braham, H. W., R. D. Everitt, B. D. Krogman, D. J. Rugh, & D. E. Whithrow. 1977b. Marine mammals of the Bering Sea: A preliminary report on distribution and abundance, 1975-76. Processed rept. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center (2725 Montlake Blvd E, Seattle, WA 98112).

Geographical area(s): BERS

Abundance & Distribution:

distribution abundance

Braham, H. W., C. H. Fiscus, & D. Rugh. 1977c. Marine mammals of the Bering and southern Chukchi Seas, pp.1-99. In: Environmental assessment of the Alaskan continental shelf, annual repts, vol. 1. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

abundance, distribution

Braham, H. W., B. Krogman & C. Fiscus. 1977d. Bowhead, 'Balaena mysticetus', and beluga, 'Delphinapterus leucas', whales in the Bering, Chukchi and Beaufort Seas, pp.134-160. In: Receptors - mammals, vol. 1 of Environmental assessment of the Alaska continental shelf: Annual rept. of principal investigators for the year ending March, 1977. NOAA/ERL-AR-77-1. Boulder, CO: NOAA, Environmental Research Lab.

Geographical area(s): BEAU, CHUK, BERS
 Abundance & Distribution:
 abundance, distribution migration

Braham, H. W., M. E. Dahlheim, & J. J. Brueggeman. 1979a.
 Bowhead whale research plans for the USCG Polar Sea Cruise,
 .21 February - 17 April 1979. Seattle, WA: NOAA, NMFS,
 Northwest and AK Fisheries Center, National Marine Mammal
 Lab. (7600 Sand Point Way NE, Seattle, WA 98115).

Geographical area(s): BERS
 Population Dynamics:
 distribution
 Biology

Braham, H., B. Krogman, J. Johnson, W. Marquette, D. Rugh,
 R. Sonntag, R. Bray, J. Brueggeman, M. Dahlheim, M. Nerini, &
 S. Savage. 1979b. Population studies of the bowhead whale,
 'Balaena mysticetus'. Preliminary results of the 1979 spring
 research season. Seattle, WA: Northwest & AK Fisheries
 Center, National Marine Mammal Lab. (7600 Sand Point Way, NE,
 Seattle, WA 98115).

Geographical area(s): BEAU, BERS, CHUK
 Biology:
 techniques, morphology, physiology
 Population Dynamics:
 techniques
 Subsistence Whaling:
 whaling (recent)
 Abundance & Distribution:
 abundance, distribution, migration
 Ecology:
 feeding

Braham, H. W., B. Krogman, & G. Carroll. 1979c. Population
 biology of the bowhead whale ('Balaena mysticetus') II:
 Migrations, distribution and abundance in the Bering, Chukchi,
 and Beaufort Seas with notes on the distribution and life
 history of white whales ('Delphinapterus leucas'). NOAA 'S
 Bering Sea/Gulf of Alaska Newsletter (9):5-7.

Geographical area(s):

Braham, H., B. Krogman, S. Leatherwood, W. Marquette, D. Rugh,
 M. Tillman, J. Johnson, & G. Carroll. 1979d. Preliminary
 report of the 1978 spring bowhead whale research program
 results. Rept. Int. Whaling Comm. 29:291-306.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK

Biology

Population Dynamics:

review, recruitment

Subsistence Whaling:

whaling (recent)

Abundance & Distribution:

abundance, distribution, migration

Braham, H. W., B. Krogman, W. Marquette, & Y). Rugh. 1979e.

Bowhead, 'Balaena mysticetus', preliminary research results, June through December 1978. Processed rept. 79-8. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center.

Geographical area(s):

Braham, H., B. Krogman, W. Marquette, D. Rugh, J. Johnson, M. Nerini, S. Leatherwood, M. Dahlheim, R. Sonntag, G. Carroll, T. Bray, S. Savage, & J. Cabbage. 1979f. Bowhead whale ('Balaena mysticetus') preliminary research results, June - December 1978. NWAFC Processed rept. 79-8. Seattle, WA: NOAA, NMFS, AK Fisheries Center, National Marine Mammal Lab. (7600 Sand Point Way NE, Bldg. 32, Seattle, WA 98115).

Geographical area(s): BEAU, BERS, CHUK

Biology:

histology, physiology

Abundance & Distribution:

abundance, distribution, review

Subsistence Whaling:

whaling (recent)

Commercial Whaling:

historic commercial whaling

- * Braham, H., B. Krogman, J. Johnson, W. Marquette, D. Rugh, M. Nerini, R. Sonntag, T. Bray, J. Brueggeman, et al. 1980a. Population studies of the bowhead whale ('Balaena mysticetus'): Results of the 1979 spring research season. Rept. Int. Whaling Comm. 30:391-404.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Ecology:

behavior, feeding, habitat, sounds

Biology:

morphology, physiology

Abundance & Distribution:

abundance, distribution, migration

Subsistence Whaling:

whaling (recent)

Population Dynamics:

recruitment

Braham, H. W., B. Krogman, M. Nerini, D. Rugh, W. Marquette, & J. Johnson. 1980b. Research on bowhead whales, June-December 1978. Rept. Int. Whaling Comm. 30:405-413.

Geographical area(s): ARCT, BERS, BEAU, CHUK, NPAC

Biology:

histology

Abundance & Distribution:

abundance, distribution, migration

Subsistence Whaling:

whaling (recent)

- * Braham, H. W., F. E. Durham, G. H. Jarrell, & S. Leatherwood. 1980c. Ingutuk: A morphological variant of the bowhead whale, 'Balaena mysticetus'. Mar. Fish. Rev. 42(9-10): 70-73.

Geographical area(s): BEAU, BERS, CHUK

Biology:

morphology, physiology, taxonomy

- * Braham, H. W., M. A. Fraker, & B. D. Krogman. 1980d. Spring migration of the western Arctic population of bowhead whales. Mar. Fish. Rev. 42(9-10): 36-46.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

habitat

Abundance & Distribution:

migration

Braham, H. W., W. M. Marquette, T. W. Bray, & J. S. Leatherwood, eds. 1980e. The bowhead whale: Whaling and research. Mar. Fish. Rev. (A special issue) 42 (9-10).

Geographical area(s): ARCT, BEAU, BERS, CHUK, NPAC, OKHO

Biology:

physiology, taxonomy, growth,

morphology

Ecology:

sounds, habitat, feeding,

behavior

Abundance & Distribution:

abundance, distribution, migration

Subsistence Whaling:

management, whaling (recent)

Population Dynamics:

review, stock assessment, management

Commercial Whaling:

historic commercial whaling

- * Braham, H. W., B. D. Krogman, & G. Carroll. 1981. Bowhead whale, '*Balaena mysticetus*', migration, distribution and abundance in the Bering, Chukchi, and Beaufort Seas, 1975-1978, with notes on the distribution and life history of white whales '*Delphinapterus leucas*'. Submitted as part of the final rept. to NOAA, AK OCS Environmental Assessment Program, Anchorage AK, Contract no. R7120807/8.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration

Ecology:

behavior, life history, feeding

Commercial Whaling:

commercial whaling (historic)

Population Dynamics:

review, stock assessment

Biology:

morphology

- Braham, H. W., G. W. Oliver, C. Fowler, K. Frost, F. Fay, C. Cowles, D. Costa, K. Schneider* & D. Calkins. 1982. Marine mammals, pp.55-81. In: M. J. Hameedi, cd., Proceedings of a synthesis meeting: St. George Basin environment and possible consequences of planned offshore oil and gas development, 28-30 April 1981, Anchorage AK. Juneau, AK: NOAA, BLM, OCS Environmental Assessment Program.

Geographical area(s): BERS

Abundance & Distribution:

abundance distribution, migration

Ecology:

feeding

Effects of Petroleum on Cetaceans:

external contact, distribution

Noise:

aircraft, surface vessels, seismic

- Braham, H. W., B. D. Krogman, & G. M. Carroll. 1983. Population biology of the bowhead whale: Migration, distribution and abundance, with notes on the distribution and life history of white whales. NOAA Tech. Rept. NMFS SSRF.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration

- * Braham, H. W., B. D. Krogman, & G. M. Carroll. 1984. Bowhead and white whale migration, distribution, and abundance in the Bering, Chukchi, and Beaufort Seas, 1975-78. NOAA Tech. Rept. NOAA-TR-NMFS-SSRF-778.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration

Biology:

reproduction

Ecology:

behavior, life history, feeding

Braithwaite, L. F. 1979a. Baleen plate fouling, pp.471-492.

In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1973 through 30 November 1979 prepared for the BLM, AK OCS Office.

Geographical-area(s): BEAU, N/S

Effects of Petroleum on Cetaceans:

ingestion

Braithwaite, L. F. 1979b. Tropics: Major prey species of bowhead and gray whales, pp.467-469. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, CHUK

Ecology:

feeding

Braithwaite, L. F. 1979c. Trophies, pp.493-516. In:

Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

feeding

- * Braithwaite, L. F. 1983. The effects of oil on the feeding mechanism of the bowhead whale. Final rept. prepared for U.S. Dept. Interior, Contract no. AA851-CT0-55.

Geographical area(s): N/S, BEAU, CHUK

Effects of Petroleum on Cetaceans:

external contact, ingestion

- 0 * Braund, S., H. Armstrong, & S. W. Stoker. 1984. Subsistence study of Alaska Eskimo whaling villages. Unpubl. rept. for BLM, Alaska Consultants, Inc. with Stephen Braund & Assoc.

Geographical area(s): BERS, CHUK, BEAU
Subsistence Whaling:
whaling (recent)

- Breiwick, J. M., & D. G. Chapman. 1977. Population analysis of the Alaska bowhead stock (preliminary report). Int. Whaling Comm., Annual Meeting (SC/SPC 13).

Geographical area(s):
Abundance & Distribution:
abundance

- * Breiwick, J. M., & E. D. Mitchell. 1983. Estimated initial population size of the Bering Sea stock of bowhead whales ('Balaena mysticetus') from logbook and other catch data. Rept. Int. Whaling Comm. Special Issue no. 5:147-151.

Geographical area(s): ARCT, NPAC, BERS, CHUK, BEAU, N/S
Commercial Whaling:
historic commercial whaling
Population Dynamics:
review, mortality
Abundance & Distribution:
review

- * Breiwick, J. M., E. D. Mitchell, & D. G. Chapman. 1981. Estimated initial population size of the Bering Sea stock of bowhead whale, 'Balaena mysticetus': An integrative method. Fish. Bull. 78(4): 843-853.

Geographical area(s): BEAU, BERS, CHUK
Abundance & Distribution:
abundant e
Population Dynamics:
mortality, recruitments review,
techniques
Commercial Whaling:
commercial whaling (historic)

- * Breiwick, J. M., L. L. Eberhardt, & H. W. Braham. 1984. Population dynamics of western Arctic bowhead whales 'Balaena mysticetus'. Can. J. Fish. Aquat. Sci. 41(3): 484-496.

Geographical area(s): BEAU, BERS, CHUK
Ecology:
life history

Population Dynamics:
 mortality , review
 Abundance & Distribution:
 abundance

Broadhead, G. C. 1985. Evaluation of the estimation of gross annual recruitment rate of the bowhead whale, 'Balaena mysticetus', from aerial survey data. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK
 Population Dynamics:
 recruitment

Brodie, P. F. 1981. A preliminary investigation of the energetic of the bowhead whale ('Balaena mysticetus' , L.). Rept. Int. Whaling Comm. 31:501-502.

"Geographical area(s): N/S
 Ecology:
 feeding
 Biology:
 morphology, physiology

Brodie, P. F. 1982. Marine mammals: Insights through studies of morphology and energetic. Int. Coun. Expl. Sea C.M. 1982/N: 19 Marine Mammal Committee.

Geographical area(s): N/S
 Ecology:
 habitat, energetic, feeding
 Biology:
 physiology

Brooks, J. 1957. Marine mammals in relation to commercial fisheries in Alaska, pp.23-24. In: Abstracts, Science in Alaska, Proceedings, Eighth Alaska Science Conference, 10-13 September 1957, Anchorage, AK.

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Brooks, J. W. 1979. Status of marine mammal stocks in Alaska. Science in Alaska, Proceedings, 2.9th Alaska Science Conference, 15-17 August 1978, Fairbanks, AK.

Geographical area(s): BEAU, CHUK, BERS
 Abundance & Distribution:

distribution, abundance, migration
 Subsistence Whaling:
 whaling (recent), management
 Population Dynamics:
 management

Brower, C. D. 1942. Fifty years below zero: A lifetime of
 adventure in the far North. New York: Dodd, Mead, & Co.

Geographical area(s): BEAU, CHUK
 Ecology:
 behavior
 Subsistence Whaling:
 subsistence whaling - historic
 Commercial Whaling:
 historic commercial whaling

Brewer, E. 1982. Overview of the theme and objectives of the
 First Conference on the Biology of the Bowhead Whale, 'Balaena
 mysticetus': Population assessment. Proceedings, First
 Conference on the Biology of the Bowhead Whale, 'Balaena
 mysticetus': Population Assessment, 25-29 January 1982,
 Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): N/S, ARCT
 Population Dynamics:
 management
 Biology

Brewer, R. 1979. Cultural uses of Alaskan marine mammals.
 Science in Alaska, Proceedings, 29th Alaska Science
 Conference, 15-17 August 1978, Fairbanks, AK.

Geographical area(s): BEAU, CHUK
 Subsistence Whaling:
 whaling (recent), subsistence whaling - historic, management

Brown, R. 1868. On the history and geographical relations of
 the cetacea frequenting Davis Strait and Baffin's Bay.
 Proc. Zool. Soc., London: 533-556.

Geographical area(s):

* Brueggeman, J. J. 1982. Early spring distribution of bowhead
 whales, 'Balaena mysticetus', in the Bering Sea. J. Wildl.
 Man. 46(4): 1036-1044.

Geographical area(s): BERS
 Abundance & Distribution:

distribution

Brueggeman, J. J., & R. A. Grotefendt. 1983. Bowhead whale abundance, distribution and habitat use in the marginal ice front of the Bering Sea during late winter to early spring, p.15. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November-1 December 1983, Boston, MA.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, distribution
 Ecology:
 habitat

Brueggeman, J. J., & R. A. Grotefendt. 1985. Observed winter distribution of bowhead whales, 'Balaena mysticetus', in the marginal ice front of the Bering Sea. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BERS
 Abundance & Distribution:
 distribution
 Biology:
 habitat

Brueggeman, J., M. Dahlheim, H. Braham, L. Consiglieri, & D. Rugh. 1979. Distribution of the bowhead whale in the northwestern Bering Sea during early spring, p. 5. Proceedings, Third Biennial Conference Biology of Marine Mammals, 7-11 October 1979, Seattle, WA. "

Geographical area(s):

- * Brueggeman, J. J., R. A. Grotefendt, & A. W. Erickson. 1984. Endangered whale survey of the Navarin Basin, Alaska. Unpubl. rept. for NOAA, OCS Environmental Assessment Program, Juneau, AK. Bellevue, WA: Envirosphere Co.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, migration, distribution

Buchanan, T. 1828. Physiological illustrations of the organ of hearing. London: Longman.

Geographical area(s): N/S
 Biology:
 physiology

Bureau of Land Management & National Marine Fisheries Service.
1980. Draft proceedings of the interagency meeting to review,
coordinate and plan bowhead whale research, other cetacean
research and related research bearing upon the conservation
and protection of endangered marine species in Alaska and
elsewhere. Seattle, WA: BLM & NMFS, National Marine Mammal
Commission.

Geographical area(s): BEAU, CHUK, BERS, N/S
Biology
Population Dynamics

Noise
Effects of Petroleum on Cetaceans

Bureau of Land Management & National Marine Fisheries
Service. n.d. Coordinated bowhead whale research plan.

Geographical area(s): BEAU, BERS, CHUK, N/S
Population Dynamics:
management
Biology

Bureau of Land Management. 1980. Biological studies of
endangered species occurring within areas of proposed agency
action. Mem. from Associate Solicitor, Div. of Energy and
Resources, BLM, Washington, D.C.

Geographical area(s): N/S
Subsistence Whaling:
management

Burgess, S. 1972. Marine mammal phenology in western
St. Lawrence Island waters, p.49. In: Science in Alaska,
Proceedings, 23rd Alaskan Science Conference, 1972.

Geographical area(s): BERS
Abundance & Distribution:
distribution, migration

Burnham, K. P., D. R. Anderson, & J. L. Laake. 1980.
Estimation of density from line transect sampling of
biological populations. J. Wildl. Man. 44(2) (suppl.: Wildlife
Monographs no. 72).

Geographical area(s): N/S
Abundance & Distribution:

abundance, techniques

Burns, J. J. 1977. Marine mammal management in northern Alaska: Contemporary conflicts p.24. In: Second Conference on the Biology of Marine Mammals, 12 December 1977, San Diego, CA.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
whaling. (recent)

Burns, J. J., & M. Bennett. 1984* Subsistence. Beaufort Sea Synthesis Meeting, Chena Hot Springs, AK.

Geographical area(s): BEAU, CHUK
Subsistence Whaling:
whaling (recent), subsistence whaling - historic

Burns, J. J., F. H. Fay, & L. Shapiro. 1976. Marine mammal distribution in relation to ice conditions in the Bering, Chukchi and Beaufort Seas, p.97. In: Science in Alaska, Proceedings, 27th Alaskan Science Conference, 1976.

Geographical area(s): BEAU, BERS, CHUK
Ecology:
habitat

Burns, J. J., F. H. Fay, K. J. Frost, & R. V. Miller. 1985. Soviet-American marine mammal research cruise on the ZRS Zakharovo, Bering Sea, 15 March - 26 April 1985.

Geographical area(s): BERS
Abundance & Distribution:
distribution

Burns, J. J. 1984. Living resources, PP.75-104. In: W. E. Westermeyer & K. M. Schusterich, eds., The United States Arctic interests: The 1980's and 1990's, vol. 1. New York: Springer-Verlag.

Geographical area(s): ARCT, BERS, BEAU, CHUK
Abundance & Distribution:
abundance
Subsistence Whaling:
subsistence whaling - historic, whaling (recent), management

Campbell, D. A., R. W. Henry, J. T. Haldiman, & T. F. Albert.
1983. Studies on the gross anatomy of the trachea and
principle bronchi of the bowhead whale, p.17. In: Abstracts,
Fifth Biennial Conference on the Biology of Marine Mammals,
27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S

Biology:

physiology, anatomy

- * Carroll, J. M., & J. R. Smithhisler. 1980. Observations of
bowhead whales during spring migration. Mar. Fish. Rev.
42(9-10): 80-85.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior

Abundance & Distribution:

distribution, migration

Noise:

surface vessels

Population Dynamics:

population structure

CCCP. 1980. Marine mammals. In Russian. Moscow: Soviet
Government Press.

Geographical area(s): N/S

Commercial Whaling:

historic commercial whaling

Ecology:

life history

Abundance & Distribution:

migration, distribution

Chapman, D. G. 1977. The Alaska bowhead whale controversy.
OR State Univ., Sea Grant College Program, Marine Mammal
Information.

Geographical area(s):

Chouteau, J., & J. H. Corriol. 1971. Physiological aspects of
deep sea diving. Endeavour (England) 30(110): 70-76.

Geographical area(s): N/S

Biology:

physiology

Christianson, B. 1963. The Greenland right whale, and whales which sleep. Nor. Hvalfangst Tid. 51:55-56.

Geographical area(s): ARCT, GRLD
Ecology:
behavior

Christianson, B. O. 1981. A unique observation of a herd of polar bears, 'Ursus maritimus'.

Geographical area(s): N/S
Abundance & Distribution:
migration

Clark, C. W. 1981. Bowhead whale, 'Balaena mysticetus', sounds during the spring migrations of 1979 and 1980, p.17. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BEAU, CHUK
Ecology:
sounds

Clark, C. W. 1983. The use of bowhead vocalizations to determine the distribution of whales within the lead (1979-1980). In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): CHUK, BEAU
Abundance & Distribution:
distribution, abundance
Ecology:
sounds

Clark, C. W., W. T. Ellison, & K. Beeman. 1985a. Acoustic locations and distribution of migrating bowhead whales, 'Balaena mysticetus', off Point Barrow, Alaska in the spring of 1984 during good and very good visual censusing conditions. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK
Ecology:
sounds, techniques
Abundance & Distribution:
abundance

Clark, C. W., W. T. Ellison, & K. Beeman. 1985b. Acoustic locations and distribution of migrating bowhead whales, 'Balaena mysticetus', off Point Barrow, Alaska in the spring of 1984 during poor and unacceptable visual censusing conditions. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK

Ecology:

sounds, techniques, behavior

Abundance & Distribution:

abundance

Clark, C. W., W. T. Ellison, & K. Beeman- 1985c. Variations in the rates and types of bowhead whale, 'Balaena mysticetus', vocalizations during the spring (1984) migration off Point Barrow, Alaska. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK

Ecology:

sounds, techniques

Abundance & Distribution:

abundance

Population Dynamics:

techniques

- * Clark, C. W., & J. H. Johnson. 1983. The sounds of the bowhead whale, 'Balaena mysticetus', during the spring migrations of 1979 and 1980. Can. J. Zool. 62:1436-1441.

Geographical area(s): BEAU

Ecology:

sounds

Clarke, R. 1957. Migrations of marine mammals. Nor. Hvalfangst Tid. 46(11): 609-629.

Geographical area(s): NPAC, N/S

Biology:

reproduction

Abundance & Distribution:

migration

Ecology:

habitat

Clarke, R. 1982. An index of sighting conditions for surveys of whales and dolphins. Rept. Int. Whaling Comm. 32:559-561.

Geographical area(s): N/S
 Abundance & Distribution:
 abundance, techniques
 Biology

Clemons, E. L. 1980. Are Ingutuks bowheads? *Cetus* 2(1): 5.

Geographical area(s): BEAU, BERS, CHUK
 Biology:
 taxonomy

Cook, J. A. 1926. Pursuing the whale: A quarter-century of whaling in the Arctic. New York: Houghton-Mifflin.

Geographical area(s):

Cowles, C. J. 1981a. Biological assessment for endangered whales of the arctic region with respect to proposed offshore oil and gas development. Prepared in accordance with section 7(c), Endangered Species Act of 1973, as amended. BLM, AK OCS Office..

Geographical area(s): ARCT, BEAU, CHUK, BERS
 Abundance & Distribution:
 migration
 Ecology":
 feeding, behavior
 Biology:
 physiology
 Effects of Petroleum on Cetaceans:
 external contact, distribution
 Noise:
 seismic, surface vessels

Cowles, C. J. 1981b. Marine mammals, endangered species, and rare plants potentially affected by proposed federal lease sales in the northern Bering Sea and Norton Sound vicinity. Tech. Paper no. 5. BLM, AK OCS Office.

Geographical area(s): BERS
 Ecology:
 feeding
 Abundance & Distribution:
 distribution, abundance, review,
 migration

Cowles, C. J., D. J. Hansen, & J. D. Hubbard. 1981. Types of potential effects of offshore oil and gas development on marine mammals and endangered species of the northern Bering, "Chukchi, and Beaufort Seas. Tech. Paper no. 9. BLM, AK OCS office, BLM-YK-ES-82-011-1792.

Geographical area(s): BEAU, BERS, CHUK

Effects of Petroleum on Cetaceans:

external contact, ingestion, avoidance,
detection, inhalation

Long Term Effects:

disturbance, prey reduction

Noise:

dredging, aircraft, helicopter,
surface vessels, seismic, drilling

Ecology:

behavior

Effects of Petroleum on Prey

Cubbage, J., & D. Rugh. 1981. Bowhead whale calf counts in the eastern Beaufort Sea, 1980, p.21. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): ARCT, BEAU, CANA

Population Dynamics:

recruitment, techniques

Cubbage, J. C., & D. J. Rugh. 1982. Bowhead whale length estimates and calf counts in the eastern Beaufort Sea, 1980. Rept. Int. Whaling Comm. 32:371-373.

Geographical area(s): ARCT, BEAU

Biology

Population Dynamics:

population structure, review

Cubbage, J. C., & D. J. Rugh. 1983. Stereo imagery in size measurements of bowhead whales, p.20. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): BEAU, CANA, N/S

Population Dynamics:

stock assessment, techniques

Biology:

individual identification, techniques

* Cubbage, J. C., J. Calambokidis, & D. J. Rugh. 1984. Bowhead whale length measured through stereophotogrammetry. Final rept. to NMFS, Nat. Mar. Mammal Lab (7600 Sand Point Way, NW, Seattle, WA, 98115), Contract no. 83-ABC-00129. Olympia, WA: Cascadia Research Collective (218 1/2 W Fourth Ave., Olympia, WA 98501).

Geographical area(s): BEAU, N/S

Biology:

techniques, individual identification, growth

Population Dynamics:

recruitment

Ecology:

life history

Abundance & Distribution:

distribution

Cullimore, D. B. 1977. Whale story. Env. Action 9(12): 3-5.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

management

Cummings, W. C. 1981. Acoustical criteria of harmful underwater noise, p.22. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S

Noise:

disturbance

Cummings, W. C. (Chairman of Discussion Group). 1982. A consideration of the role of passive acoustical systems in the censusing of bowhead whales 'Balaena mysticetus'. Proceedings, First Conference on the Biology of the Bowhead Whale 'Balaena mysticetus': Population Assessment. 25-29 January 1982, Anchorage, Alaska. The Alaska Eskimo Whaling Commission.

Geographical area(s): 'N/S

Ecology:

sounds, techniques

Population Dynamics:

techniques

Cummings, W. C. 1983a. Source levels of bowhead whale sounds determined by acoustical array localization. Abstracts, 106th Meeting, Acoustical Society of America, Fall, 1983. J. Acoust. Soc. Am. (suppl. 1) 47:S55.

Geographical area(s): BEAU, CHUK

Ecology:

sounds, techniques

Cummings, W. C. 1983b. Underwater sounds of bowhead whales.

In: T. F. Albert, Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Ecology:

sounds

Cummings, W. C., D. V. Holliday, & B. J. Graham. n.d.

Measurements and localization of underwater sounds from Prudhoe Region, Alaska, March 1981. Tracer Dec. no. T-82-SD-001. A report to OCS Environmental Assessment Program, Arctic Project Office & the AK Eskimo Whaling Commission. Tracer, Inc.

Geographical area(s): BEAU

Noise:

ambient, seismic

Curran, M. P., & W. M. Asher. 1974. Investigation of blubber thickness in a gray whale using ultrasonography. Mar. Fish. Rev. 36(4): 15-20.

Geographical area(s): N/S

Biology:

physiology, techniques

Dahlheim, M., T. Bray, & H. Braham. 1980. Vessel survey for bowhead whales in the Bering and Chukchi Seas, June-July 1978. Mar. Fish. Rev. 42(9-10): 51-57.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

d i s t r i b u t i o n

Dames & Moore. 1983. Beaufort Sea Monitoring Program workshop synthesis and sampling design recommendations. Draft rept. to NOAA, National Ocean Service, Juneau, AK.

Geographical area(s): BEAU

Population Dynamics:

techniques

Long Term Effects:
 changes in migration
 Abundance & Distribution:
 migration

Davis, R. A. 1981. Report of a workshop on Arctic marine mammals. Can. Tech. Rep. Fish. Aquat. Sci. no. 1005. Winnipeg, Manitoba: Western Region, Dept. Fish. & Oceans.

Geographical area(s): ARCT, BEAU, CANA
 Effects of Petroleum on Cetaceans:
 external contact, detection, avoidance
 Contaminants

Noise:
 dredging, seismic, surface vessels
 Population Dynamics:
 management

Davis, R. A., & W. R. Koski. 1980. Recent observations of the bowhead whales in the eastern Canadian High Arctic. Rept. Int. Whaling Comm. 30:439-444.

Geographical area(s): ARCT, BEAU
 Abundance & Distribution:
 abundance, distribution, migration
 Population Dynamics:
 recruitment

Davis, R. A., & W. J. Richardson. 1983. Bowhead whale population estimates and distribution from aerial survey efforts in the Canadian Beaufort Sea. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): BEAU
 Abundance & Distribution:
 abundance, distribution

Davis, R. A., & W. J. Richardson. 1985. Observations on the variable distribution of bowhead whales, 'Balaena mysticetus', in the vicinity of the "Industrial Area" of the Canadian Beaufort Sea, 1976-1984. In: T. F. Albert, Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU
 Abundance & Distribution:
 distribution, abundance
 Noise:
 dredging, drilling

Long Term Effects

Davis, R. A., & D. H. Thomson. 1984. Marine mammals, pp.47-79. In; J. C. Truett, cd., Proceedings of a synthesis meeting: The Barrow Arch environment and possible consequences of planned offshore oil and gas development. Anchorage, AK: NOAA, OAD, OCS Environmental Assessment Program.

Geographical area(s): CHUK

Ecology:

feeding

Abundance & Distribution:

abundance, distribution, migration

Noise:

seismic, surface vessels

Effects of Petroleum on Cetaceans:

external contact, ingestion

Davis, R. A., W. R. Koski, W. J. Richardson, C. R. Evans, & W. G. Alliston. 1982. Distribution, numbers and productivity of the western Arctic stock of bowhead whales in the eastern Beaufort Sea and Amundsen Gulf, summer 1981. Unpubl. rept. for Dome Petroleum Ltd., Calgary, Alberta, and Sohio Alaska Petroleum Company, Anchorage, AK. Toronto? Ont.: LGL Ltd. (Summarized as Int. Whaling Comm. Document SC/34/PS20).

Geographical area(s): BEAU

Abundance & Distribution:

distribution, recruitment

- * Davis, R. A., W. R. Koski, & G. W. Miller. 1983. Preliminary assessment of the length-frequency distribution and gross annual reproductive rate of the western Arctic bowhead whale as determined with low-level aerial photography, with comments on life history. Unpubl. rept. for NOAA, NMFS, National Marine Mammal Lab., Seattle, WA. LGL Ltd.

Geographical area(s): BEAU, ARCT

Population Dynamics:

recruitment, population structure

Ecology:

behavior, life history

Biology:

growth

- * de Jong, C. 1983. The hunt of the Greenland whale: A short history and statistical sources. Rept. Int. Whaling Comm. Special Issue no. 5:84-106.

Geographical area(s): ARCT

Commercial Whaling:

commercial whaling (historic)
 Population Dynamics:
 review, stock assessment
 Ecology:
 life history

0

Dekker, P. 1978. The blubber yield of the harpooned whales
 in the Arctic whaling area during the period 1719-1760.
 Medelingen van de Nederlandse Vereniging voor Zeegeschiedenis
 37. Rotterdam.

Geographical area(s):
 Commercial Whaling:
 commercial whaling (historic)

Dohl, T. P., & M. L. McKenna. 1980. Alaskan north slope
 bowhead whale study. Unpubl. rept. for ARCO Oil and Gas Co.,
 Alaska Region (P. O. Box 360, Anchorage, AK).

Geographical area(s):

Dome Petroleum Ltd., Esso Resources Canada Ltd., & Gulf
 Canada-Resources Inc. 1982. Research and monitoring.
 Environmental impact statement for hydrocarbon development
 in the Beaufort Sea - Mackenzie Delta Region, vol. 7.
 Prepared on behalf of all land-holders in the Beaufort Sea -
 Mackenzie Delta Region.

- 0

Geographical area(s): BEAU, CANA
 Biology
 Effects of Petroleum on Cetaceans

Population Dynamics

- * Donovan, G. P. 1982. The International Whaling Commission
 and aboriginal/subsistence whaling: April 1979 to July 1981.
 Aboriginal/subsistence whaling (with special reference to the
 Alaska and Greenland Fisheries). Rept. Int. Whaling Comm.
 Special Issue 4:79-86.

Geographical area(s): ARCT, BEAU, BERS, CHUK, NPAC, N/S
 Subsistence Whaling:
 managements whaling (recent)
 Population Dynamics:
 management

Dronenburg, R., G. Carroll, & D. Rugh. 1983a. Review of 1982 ice camp procedures in support of the bowhead whale visual census program. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): BEAU, CHUK

Abundance & Distribution:

abundance

Dronenburg, R. B., G. M. Carroll, D. J. Rugh, & W. M. Marquette. 1983b. Report of the 1982 spring bowhead census and harvest monitoring including 1982 fall harvest results. Rept. Int. Whal. Comm. 33:525-537.

Geographical area(s): BEAU, CHUK, BERS

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Abundance & Distribution:

abundance

Dronenburg, R. B., G. M. Carroll, D. G. Rugh, & W. M. Marquette. 1984. Report of the 1982 spring bowhead whale census and harvest monitoring including 1981 fall harvest results. Rept. Int. Whal. Comm. 33:525-537 (SC/34/PS 9).

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration

Subsistence Whaling:

whaling (recent)

Population Dynamics:

recruitment

Dronenburg, R., J. C. George, & B. D. Krogman. 1985. Summary of the spring (1984) ice-based visual census of the bowhead whale, 'Balaena mysticetus', off Point Barrow, Alaska. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): 'BEAU, CHUK

Abundance & Distribution:

abundance

Dubielzig, R. R., & G. D. Aguirre. 1979a. Tissues (structure/function): Morphological studies of the visual apparatus of the bowhead whale 'Balaena mysticetus', pp.283-296. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, Alaska OCS Office, Anchorage, AK.

Geographical area(s): N/S

Biology:

histology, physiology

Dubielzig, R. R., & G. D. Aguirre. 1979b. Tissues (structure/function): Visual apparatus of bowhead and gray whales, pp.395-399. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Biology:

histology, physiology

Dubielzig, R., & G. Aguirre. 1981. Morphological studies of the visual apparatus of the bowhead whale, 'Balaena mysticetus', pp.157-171. In: T. F. Albert, ed., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol.1. Final rept. prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

physiology

Duffield, D. W. 1985. Observations on the morphology of the brain of the bowhead whale, 'Balaena mysticetus'. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Biology:

anatomy, physiology, histology

Duffield, D. W., Y. Abdelbaki, F. Al-Bagdadi, J. T. Haldiman, W. Henk, & T. F. Albert. 1981. Gross anatomy of the brain of bowhead whales. Presentation, Annual meeting of the American Veterinary Medical Association, July 1981.

Geographical area(s): N/S

Biology:

anatomy, physiology

Duffield, D. W., J. T. Haldiman, & T. F. Albert. 1983.

Surface features of the brain of the bowhead whale, p.26. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): BEAU, N/S

Biology:

physiology, anatomy

Durham, F. E. 1969. A new approach to correlating the age of the bowhead whale with the structure of the baleen plates, p.26. Abstracts of symposium and contributed papers, Fiftieth Annual Meeting of Western Society of Naturalists, 27-30 December 1969, Los Angeles, CA. (Available from CA State Polytechnic College, San Luis Obispo.)

Geographical area(s): N/S

Biology:

growth, techniques, morphology

Durham, F. E. 1972a. Eskimo effort in bowhead whaling at Pt. Barrow, Alaska. Unpubl. (Available from NOAA, NMFS, Northwest & AK Fisheries Center, Marine Mammal Div., 7600 Sand Point Way NE, Seattle, Washington 98115).

Geographical area(s): BEAU, CHUK

Subsistence Whaling:

whaling (recent)

Durham, F. E. 1972b. Greenland or bowhead whale, p.10-14. In: A. Seed, comp., Baleen whales in eastern North Pacific and Arctic waters. Seattle, WA: Pacific Search Books.

Geographical area(s): NPAC, ARCT

Commercial Whaling:

commercial whaling (historic)

Ecology:

habitat

Durham, F. E. 1972c. History of bowhead whaling and Greenland or bowhead whale. Rept. no. AINA-ONR-367:2/3. Washington, D. C.: Arctic Institute of North America. In: A. Seed, comp., Baleen whales in eastern North Pacific waters. Seattle, WA: Pacific Search Books.

Geographical area(s): N/S

Subsistence Whaling:

subsistence whaling - historic

Biology

Abundance & Distribution:

distribution

Commercial Whaling:

historic commercial whaling

Durham, F. E. 1973a. An historical perspective on Eskimo whaling and the bowhead controversy. Extracts from Ancient and current methods of taking the bowhead whale. Anchorage, AK: Univ. AK, Sea Grant Program.

Geographical area(s): N/S

Subsistence Whaling:

subsistence whaling - historic, management

Durham, F. E. 1973b. Ancient and current methods of taking the bowhead whale. NOAA-74040102. (Also publ. as Sea Grant Pub-73-9. Anchorage, AK: Univ. AK.)

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Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Ecology:

behavior

Durham, F. E. 1973c. Eskimo fact and fiction about the bowhead whale. Rept. no. AINA-ONR-367:1. Washington, D. C.: Arctic Inst. North America.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling

Biology

Durham, F. E. 1979a. The catch of bowhead whales, ('Balaena mysticetus'), by Eskimos, with emphasis on the western Arctic. CA Natural History Museum, Los Angeles County, Contributions in Science no. 314: 1-14.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

habitat

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Durham, F. E. 1979b. Early development and reproduction in the bowhead whale, 'Balaena mysticetus'. Unpubl. rept. to NMFS and the Arctic Inst. North America.

Geographical area(s): N/S

Biology:

growth, physiology

Durham, F. E. 1979c. An historical perspective on Eskimo whaling and the bowhead controversy. Orca 1(1): 5-6.

Geographical area(s): ARCT, BEAU, CHUK, N/S

Subsistence Whaling:

subsistence whaling - historic, whaling (recent), management

Durham, F. E. 1979d. Recent trends in bowhead whaling by Eskimos in the western Arctic with emphasis on utilization. Washington, D. C.: Center for Environmental Education, Inc., Whale Protection Fund.

Geographical area(s):

Durham, F. E. 1980. External morphology of bowhead fetuses and calves. Mar. Fish. Rev. 42(9-10): 74-80.

Geographical area(s): N/S, ARCT, BEAU, CHUK

Biology:

morphology, physiology

Ecology:

life history

- * Eberhardt, L. L., & J. M. Breiwick. 1980. Minimal historical size of the western Arctic population of bowhead whales. Mar. Fish. Rev. 42(9-10): 27-29.

Geographical area(s): 'BEAU, BERS, CHUK

Abundance & Distribution:

abundance, review

Eberhardt, L. L., D. G. Chapman, & J. R. Gilbert. 1979. A review of marine mammal census methods. Wildl. Monogr. 63:1-43.

Geographical area(s): N/S

Abundance & Distribution:
abundance, techniques

Ellison, W. T., C. W. Clark, & K. Beeman. 1985a . Acoustic location techniques and calibrations methods used during the spring 1984 and 1985 bowhead whale, 'Balaena mysticetus', migrations. Int. Whaling Comm. SC/37/PS10.

Geographical area(s): BEAU, BERS, CHUK
Ecology
Abundance & Distribution

Ellison, W. T., C. W. Clark, & K. Beeman. 1985b . Objectives and methods for the acoustic studies conducted during the spring (1984) migration of bowhead whales, 'Balaena mysticetus', off Point Barrow, Alaska.. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK
Ecology:
sounds , techniques

Endangered Species Productions. 1974. The whalebook: A conservation manual, teaching tool, source book. Boston, MA: Endangered Species Productions.

Geographical area(s): N/S
Biology
Subsistence Whaling:
conservation, whaling (recent)

* Environmental Law Institute. 1977. The evolution of national wildlife law. Prepared for the Council of Environmental Quality. Washington, D.C.: GPO

Geographical area(s): N/S
Subsistence Whaling:
conservation management

Eschricht, D. F., & J. Reinhardt. 1866. On the Greenland right whale, pp.1-143. In: W. H. Flower, cd., Recent memoirs on the cetacea by Professors Eschricht, Reinhardt and Lilljeborg. London: Ray Society. [transl. of the Danish original, Om Nordhvalen, Copenhagen, 1861.]

Geographical area(s): NATL, GRLD, BERS
Biology:

taxonomy, morphology
 Abundance & Distribution:
 review, migration

Evans, C. D., & S. V. Cuccarese. 1980. The bowhead whale - Biological basis for decision. Rept. to the AK Eskimo Whaling Commission. Anchorage, AK: Arctic Environmental Information & Data Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

feeding

Abundance & Distribution:

abundance, distribution, migration

Subsistence Whaling:

management

Population Dynamics:

mortality, stock assessment

Evans, C. D., & L. S. Underwood. 1978. How many bowheads? Oceanus 21(2): 17-23.

Geographical area(s): ARCT, BEAU, BERS, CHUK, NPAC

Abundance & Distribution:

abundance

Subsistence Whaling:

subsistence whaling - historic, whaling (recent), management'

Evans, C. D., W. J. Wilson, & S. V. Cuccarese. 1979. Background, pp. 15-63. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final Rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BERS, BEAU, CHUK

Biology:

morphology

Ecology:

behavior, feeding, life history,

habitat

Population Dynamics:

recruitment

Abundance & Distribution:

distribution, migration

Everitt, J. 1983. Observations on the structure of the lymphoid system of the bowhead whale. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Biology:
 physiology, histology, pathology

Everitt, R. D., R. J. Beach, A. C. Geiger, S. J. Jeffries, & S. Treaty. 1980. Marine mammals - fisheries interactions on the Columbia River and adjacent waters, 1980. Annual rept., 1 March 1980 to 31 October 1980 submitted to NMFS, National Marine Mammal Lab., Seattle, WA and Pacific Northwest River Basin Commission, Columbia River Estuary Data Development Program. WA State Dept. Game.

Geographical area(s): NPAC, WA, OR

Ecology:
 feeding, strandings
 Subsistence Whaling:
 management

Everitt, R. D., & B. D. Krogman. 1979. Sexual behavior of bowhead whales observed off the north coast of Alaska, USA. Arctic 32(3): 277-280.

Geographical area(s): BEAU, CHUK, ARCT

Ecology:
 behavior ,
 Biology:
 reproduction.

Fallis, B. W., W. E. Klenner, & J. B. Kemper. 1983. Narwhal surveys and associated marine mammal observations in Admiralty Inlet, Navy Board Inlet, and Eclipse Sound, Baffin Island, N.W.T., during 1974-1976. Can. Tech. Rep. Fish. Aquat. Sci. no. 1211.

Geographical area(s): ARCT
 Abundance & Distribution:
 distribution

Fay, F. H. 1974. The role of ice in the ecology of marine mammals of the Bering Sea, chapt.19, pp.383-399. In: D. W. Hood & E. J. Kelley, eds., Oceanography of the Bering Sea with emphasis on renewable resources. Inst. Mar. Sci. Occas. Publ. no. 2. Fairbanks, AK: Univ. AK.

Geographical area(s): BERS
 Ecology:
 habitat

Fay, F. H., L. M. Shults, & R. A. Dieterich. 1979. A field manual for procedures of postmortem examination of Alaskan marine mammals. Fairbanks* AK: Univ. AK, Inst. Mar. Sci. & Inst. Arctic Biology.

Geographical area(s): N/S

Ecology:

strandings

Biology:

pathology, techniques

Fedoseev, G. A. 1966. Aeriovizual' nye nablyudeniya za morskimi mlekopitayushchimi v Beringovom i Chukotskom moryakh [Aerial observations on marine mammals in the Bering and Chukchi Seas]. Izv. Tikhookean. Nauchno-issled. Inst. Rybn. Khoz. Okeanogr. (TINRO) 58:173-177. (Transl. by Bureau Commercial Fish., Seattle, WA, 1966, PP.98-102 in K. I. Panin, cd., Soviet research on marine mammals of the Far East).

Geographical area(s): BERS, CHUK

Abundance S Distribution:

distribution

Ecology:

feeding

Fetter, A. W., & J. I. Everitt. 1979. Tissues (structure/function): Gross and microscopic structure, pp.331-358. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Biology:

histology, physiology

Fetter, A. W., & J. I. Everitt. 1981. Determination of the gross and microscopic structures of selected tissues and organs of the bowhead whale, 'Balaena mysticetus', with emphasis on bone, blubber, and the lymphoimmune and . . . , pp. 51-88. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. prepared for AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

histology, physiology, morphology

Fiscus, C. H. 1975. Report on bowhead whale, '*Balaena mysticetus*', studies in Alaska, 1974. Int. Whaling Comm., Annual Meeting, June 1975, London (SC/27/Dot 9).

Geographical area(s):

Fiscus, C. H., & W. M. Marquette. 1975. National Marine Fisheries field studies relating to the bowhead whale harvest in Alaska, 1974. Processed rept. Seattle, WA: NOAA, NMFS, Northwest & Alaska Fisheries Center.

Geographical area(s):

- * Fishman, P. A., R. S. Caldwell, & A. H. Vogel. 1985. Lethal and sublethal effects of oil on food organisms (Euphausiid: '*Thysanoessa raschii*') of the bowhead whale. MMS/NOAA OCS Environmental Assessment Program, Research Unit 662. Portland, OR: Fishman Environment' Service.

Geographical area(s): N/S
Effects of Petroleum on Prey

Follmann, E. H., & A. E. Manning. 1985. The use of radio instrumented whale floats as an aide in the recovery of struck but lost bowhead whales. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S, BEAU
Subsistence Whaling:
whaling (recent), techniques

Follmann, E. H., & G. O. Miller. 1981. Design and testing of a new radio-tag for instrumenting large whales. Final rept. prepared for BLM, AK OCS Office, Anchorage, AK. Fairbanks, AK: Univ. AK, Inst. Arctic Biology.

Geographical area(s): N/S
'Ecology:
behavior
Biology:
Techniques

Food & Agriculture Organization of the United Nations. 1978. Mammals in the seas. Report of the FAO Advisory Committee on Marine Resources Research, vol. 1. FAO Fish. Ser. no. 5. FAO Working Party on Marine Mammals.

Geographical area(s): N/S, ARCT, BERS, NPAC, NATL

Subsistence Whaling:

management, whaling (recent)

Abundance & Distribution:

abundance, distribution

Ecology:

habitat

Commercial Whaling:

historic commercial whaling

Foote, D. C. 1960. The Eskimo hunter at Point Hope, Alaska: Sept, 1959-May, 1960. U.S. Atomic Energy Commission, Contract no. AT (04-3)-315.

Geographical area(s): ARCT, CHUK

Foote, D. C. 1964. Observations on the bowhead whale at Point Hope, Alaska. Rept. for the Atomic Energy Commission. Montreal, Canada: McGill Univ.

Geographical area(s): CHUK

Biology:

morphology

Foote, D. C. 1965. Exploration and resource utilization in northwestern arctic Alaska before 1855. Ph.D. Thesis, McGill Univ., Montreal, Quebec, Canada.

Geographical area(s): CHUK, BERS, BEAU

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Fowler, C. W. 1984. Density dependence in cetacean populations. Rept. Int. Whaling Comm. Special Issue no. 6: 373-379.

Geographical area(s): N/S

Abundance & Distribution:

abundance

Biology:

reproduction

Population Dynamics:

recruitment

Fraker, M. A. 1979. Summer distribution of bowhead whales, 'Balaena mysticetus', in the eastern Beaufort Sea, p.22. In: Abstracts, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): BEAU, CANA
 Abundance & Distribution:
 review, distribution, migration
 Ecology:
 habitat

Fraker, M. A. 1980. Spring migration of bowhead, 'Balaena mysticetus', and white whales, 'Delphinapterus leucas', in the Beaufort Sea, Alaska, USA. Can. Tech. Rep. Fish. Mar. Serv. no. 859.

Geographical area(s): BEAU
 Abundance & Distribution:
 migration, distribution
 Ecology:
 feeding

Fraker, M. A. 1983. Bowhead whale stock identity in the western Arctic. In: T. F. Albert, ed., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): ARCT
 Population Dynamics:
 stock assessment, review

- * Fraker, M. A. 1984. 'Balaena mysticetus': Whales, oil and whaling in the Arctic, P. E. Starratt, ed. Anchorage, AK: SOHIO AK Petroleum Co. & BP AK Explorations Inc.

Geographical area(s): BEAU, BERS, CHUK
 Abundance & Distribution:
 abundance, distribution
 Noise :
 aircraft, surface vessels, dredging,
 seismic
 Ecology:
 behavior, sounds, feeding
 Population Dynamics:
 review, recruitment
 Biology:
 reproduction
 Effects of Petroleum on Cetaceans:
 external contact, ingestion
 Subsistence Whaling:
 whaling (recent)
 Commercial Whaling:
 historic commercial whaling

- * Fraker, M. A., & J. R. Bockstoe. 1980. Summer distribution of bowhead whales in the eastern Beaufort Sea. Mar. Fish. Rev. 42(9-10): 57-64.

Geographical area(s): BEAU
 Abundance & Distribution:
 review
 Commercial Whaling:
 commercial whaling (historic)

- Fraker, M. A., & B. Wursig. 1981. Feeding behavior of bowhead whales in the southeastern Beaufort Sea, p.38. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): ARCT, BEAU, CANA
 Ecology:
 feeding, behavior ,

- Fraker, M. A., D. E. Sergeant, & W. Hock. 1978. Bowhead and white whales in the southern Beaufort Sea. Beaufort Sea Project Tech. Rept. No. 4. Dept. Fish. & the Environment (9860 West Saanich Rd. P. O. Box 6000, Sidney, B.C., V8L 4B2, Canada).

Geographical area(s): BEAU
 Biology:
 growth
 Effects of Petroleum on Cetaceans:
 ingestion, external contact
 Abundance & Distribution:
 migration
 Noise:
 surface vessels, aircraft
 Commercial Whaling:
 commercial whaling (historic)
 Effects of Petroleum on Prey
 Ecology:
 feeding

- * Fraker, M. A., C. R. Greene, & B. Wursig. 1981. Disturbance responses of bowheads and characteristics of waterborne noise, pp.91-195. In: W. J. Richardson, cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1980. Chapter by New York Zool. Soc. Unpubl. rept. for BLM, Washington, C. C. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU
 Noise:
 aircraft, dredging, seismic,

surface vessels

- * Fraker, M. A., W. J. Richardson, & B. Wursig. 1982.
Disturbance responses of bowheads, pp.145-248. In: W. J. Richardson, cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1980-81. In unpubl. rept. for BLM, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU

Noise:

aircraft, dredging, drilling,
seismic, surface vessels

- * Frost, K. J., & L. F. Lowry. 1981a. Feeding and trophic relationships of bowhead whales and other vertebrate consumers in the Beaufort Sea. Final rept. submitted to NMFS, National Marine Mammal Lab. (7600 Sand Point Way, NE, Seattle WA), Contract no. 80-ABC-00160.

Geographical area(s): BEAU

Ecology:

feeding, habitat

- Frost, K. J., & L. F. Lowry. 1981b. Feeding and trophic relationships of bowhead whales and other vertebrate consumers in the Beaufort Sea, p.39. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BEAU

Ecology:

feeding

Biology

- Frost, K. J., & L. F. Lowry. 1981c. Foods and trophic relationships of cetaceans in the Bering Sea, pp.825-836. In: D. W. Hood & J. A. Calder, eds., The eastern Bering Sea Shelf: Oceanography and resources, vol. 2. NOAA, Office of Marine Pollution Assessment. (Distributed by Univ. WA Press, Seattle.)

Geographical area(s): BERS

Ecology:

feeding

- * Frost, K. J., & L. F. Lowry. 1985. Trophic relationships of vertebrate consumers in the Alaskan Beaufort Sea. In: P. W. Barnes, D. M. Schell, & E. Rinnitz, eds., The Alaskan Beaufort Sea: Ecosystem and environment. New York: Academic Press.

Geographical area(s): BEAU

Ecology:

feeding

- Gales, "R. S. 1982. Research report, p.79. In: Effects of noise of offshore oil and gas operations on marine mammals: An introductory assessment, vol. 1. BLM Tech. Rept. no. 844.

Geographical area(s): N/S, NPAC, BEAU, GOAK

Noise:

drilling, surface vessels, helicopter,
seismic, disturbance

Ecology:

sounds

- Gambell, R. 1976. World whale stocks. Mammal Rev. 6(1):41-53.

Geographical area(s): N/S

Subsistence Whaling:

management

Population Dynamics:

stock assessments techniques, life history

Biology:

life history

Commercial Whaling:

historic commercial whaling

- Gambell, R. 1982. The bowhead whale problem and the International Whaling Commission. Aboriginal/subsistence whaling (with special reference to the Alaskan and Greenland fisheries). Rept. Int. Whaling Comm. Special Issue no. 4: 1-6.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

whaling (recent), management

- Gaskin, D. E. 1976. The evolution, zoogeography and ecology of cetacea. Oceanogr. Mar. Biol. Annu. Rev. 14:247-346.

Geographical area(s): N/S

Ecology:

evolution, feeding, habitat,
behavior

Abundance & Distribution:

distribution, migration, abundance
 Biology:
 reproduction, taxonomy, morphology
 Population Dynamics:
 management

Gaskin, D. E. 1982. The ecology of whales and dolphins.
 London: Heinemann Educational Books Ltd.

Geographical area(s): N/S
 Population Dynamics:
 techniques management
 Ecology:
 energetics, evolution, habitat,
 behavior, feeding. . . .
 Abundance & Distribution:
 distribution, migration, abundance
 Biology:
 morphology
 Subsistence Whaling:
 management
 Contaminants:
 mercury, trace metals

General Accounting Office. 1981. Congressional guidance and
 better federal coordination would improve marine mammal
 management. GAO Rept. CED-81-52 (11 May 81). Washington,
 D.C.: GAO.

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 management

George, J. C. 1981. Current procedure for allocating the
 bowhead whale, 'Balaena mysticetus', by the Eskimo whalers
 of Barrow, Alaska, pp.789-803. In: T. F. Albert, cd.,
 Tissue structural studies and other investigations on the
 biology of endangered whales in the Beaufort Sea, vol. 2.
 Final rept. for the period 1 April 1980 through 30 June
 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College
 Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK
 Subsistence Whaling:
 whaling (recent)

George, J. C. 1985. An overview of the logistical considerations in implementing the ice-based visual census and acoustic localization study of spring (1984) migrating bowhead whales, '*Balaena mysticetus*', off Barrow, Alaska. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK
Abundance & Distribution:
abundance, techniques

Geraci, J. R. 1980. Studies of the effects of oil on marine mammals, p.72. In: J. L. Imm, cd., Interagency meeting to review, coordinate, and plan bowhead whale research, other cetacean research, and related research bearing upon the conservation and protection of endangered marine species in Alaska and elsewhere. Presentation, OCS Endangered Species Research Program Review, 12-14 November 1980, Seattle, WA. BLM, AK OCS Office, Endangered Whale Research Program.

Geographical area(s):

Geraci, J. R., & D. J. St. Aubin. 1980. Offshore petroleum resource development and marine mammals: A review and research recommendations. Mar. Fish. Rev. 42(11): 1-12.

Geographical area(s): N/S
Noise
Effects of Petroleum on Cetaceans:
avoidance, detection, external contact,
ingestion

Geraci, J. R., & D. J. St. Aubin. 1982a. Petroleum residues in marine mammal tissue, pp.211-223. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
ingestion
Ecology:
strandings

Geraci, J. R., & D. J. St. Aubin. 1982b. Can bottlenose dolphins, '*Tursiops truncatus*', detect oil?, pp.16-36. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S
Ecology:

behavior

Effects of Petroleum on Cetaceans:
detection

0

Geraci, J. R., & D. J. St. Aubin. 1982c. Oil avoidance by captive bottlenose dolphins, pp.38-46. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D. C.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
avoidance, detection

Geraci, J. R., & D. J. St. Aubin. 1982d. A retrospective analysis of three 'Tursiops' exposed to oil on the surface of the water, pp.62-77. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C. (From a report prepared by M. C. Caldwell & D. K. Caldwell.)

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
external contact
Biology':
pathology

Geraci, J. R., & D. J. St. Aubin. 1982e. The effects of oil on cetacean skin, pp.78-181. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington D.C.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
external contact
Biology:
techniques, histology

Geraci, J. R., & D. J. St. Aubin. 1982f. Effects of inhalation of petroleum vapors, pp.182-196. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington D.C.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
inhalation

Geraci, J. R., & D. J. St. Aubin. 1982g. Oil ingestion and bioaccumulation, pp.197-210. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D. C.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
ingestion

- * Geraci, J. R., & D. J. St. Aubin. 1982h. Study of the effects of oil on cetaceans. Final rept. for BLM, Washington, D.C.

Geographical area(s): N/S

Ecology:

behavior

Biology:

pathology, physiology

Effects of Petroleum on Cetaceans:

avoidance, detection, external contact,

ingestion

- Geraci, J. R., & D. J. St. Aubin. 1982i. A study of the effects of oil ingestion on a bottlenose dolphin, 'Tursiops truncatus', pp.224-236. In: Study of effects of oil on cetaceans. Final rept. for BLM, Washington, D.C. (From a report prepared by M. C. Caldwell & D. K. Caldwell.)

Geographical area(s): N/S

Effects of Petroleum on Cetaceans:

ingestion

- Geraci, J. R., & D. J. St. Aubin. 1985. Expanded studies of the effects of oil on cetaceans, part I. Final rept. MMS, Washington, D.C.

Geographical area(s): N/S

Effects of Petroleum on Cetaceans

- Geraci, J. R., & D. J. St. Aubin. 1986. An assessment of the effects of oil on bowhead whales, 'Balaena mysticetus'. Submitted to AMOCO Production Company (425 G St. Suite 300, Anchorage, AK).

Geographical area(s): N/S

Effects of Petroleum on Cetaceans

- Geraci, J. R., D. J. St. Aubin, & L. J. Bruce. 1981. Effects of oil on skin of whales and whale lovers, p.43. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): N/S

Effects of Petroleum on Cetaceans:

external contact

Geraci, J. R., D. J. St. Aubin, & B. D. Hicks. 1983. What does cetacean skin do for a living?, p.35. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

" Geographical area(s): N/S
Biology:
 physiology, morphology

Gold, J. P. 1977. Useful references on whales, dolphins, porpoises and whaling. Washington, D. C.: Smithsonian Inst.

Geographical area(s): N/S
Biology
Subsistence Whaling

Population Dynamics
Commercial Whaling:
 historic commercial whaling

Gold, J. P. 1985. Sources of information on whales, dolphins, porpoises, and whaling. Washington, D.C.: Smithsonian Inst., Nat. Museum of Natural History.

Geographical area(s): N/S
Subsistence Whaling
Population Dynamics

Biology
Commercial Whaling:
 historic commercial whaling

Goodwin, H. A., & C. W. Holloway. 1972. Mammalia. Vol. 1 of Red Data Book. Merges, Switzerland: International Union for Conservation of Nature and Natural Resources.

Geographical area(s):

Gordon-Clark, J. 1977. Whaling quotas. New Sci.
76(1082): 682. , , , , ,

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
 management

Gray, D. 1894. Notes on the habits of the Greenland whale. Pt. 3 of Scottish Fishery Board Seventh Annual Report.

Geographical area(s):

Ecology:
 life history
 Abundance & Distribution:
 migration
 Population Dynamics:
 review

Gray, R. W. 1929. Breeding habits of the Greenland whale.
 Nature 123:564-565.

Geographical area(s):

Greene, C. R. 1982. Characteristics of waterborne industrial noise, pp.249-346. In: W. J. Richardson, cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1980-81. Unpubl. rept. for ELM, Washington, D.C. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU

Noise:
 aircraft, ambient, dredging,
 drilling, seismic, surface vessels

- * Greene, C. R. 1984. Characteristics of waterborne industrial noise, 1983, pp.217-308. In: W. J. Richardson, cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1983. Unpubl. rept. for MMS, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU

Noise:
 aircraft, ambient, dredging,
 drilling, helicopter, seismic, surface vessels

- * Greene, C. R. 1985. Characteristics of waterborne industrial noise, 1980-84, pp.197-253. In: W.J. Richardson, cd., Behavior disturbance responses and distribution of bowhead whales, 'Balaena mysticetus', in the eastern Beaufort Sea, 1980-84. Unpubl. rept. for MMS, Reston, VA, Contract no. 14-12-0001-29051. Chapter by Greenridge Sciences, Inc. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU, CANA

Noise:
 aircraft, dredging, drilling,
 seismic, surface vessels, helicopter, ambient

Greenpeace. n.d. Information sheet.

Geographical area(s): N/S
 Subsistence Whaling:
 conservation

Griffiths, W. B. 1981. Characteristics of bowhead feeding areas, pp.196-264. In: W. J. Richardson, ed., Behavior, responses and feeding of bowhead whales in the Beaufort Sea, 1980. Chapter by New York Zool. Soc. Unpubl. rept. for BLM, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU
 Ecology:
 feeding, habitat

- * Griffiths, W. B., & R. A. Buchanan. 1982. Characteristics of bowhead feeding areas, pp.347-455. In: W. J. Richardson ed., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1980-81. Unpubl. rept. for BLM, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU
 Ecology:
 feeding, habitat

Gusey, W. F. 1979a . Marine mammals of the Norton Sound region, pp.3-1 - 3-25. In: W. F. Gusey, ed., The fish and wildlife resources of the Norton Sound region. Houston, TX: Shell Oil Co., Environment Affairs.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, distribution, migration
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Gusey, W. F. 1979b . Marine mammals of the southern Bering Sea region, pp.3-1 - 3-72. In: W. F. Gusey, ed., The fish and wildlife resources of the southern Bering Sea regions. Houston, TX: Shell Oil Co. Environmental Affairs.

Geographical area(s): BERS
 Abundance & Distribution:
 abundance, distribution, migration
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)

Gusey, W. F. 1983. Bowhead, '*Balaena mysticetus*'. Houston, TX: Shell Oil Co., Environmental Affairs.

Geographical area(s): BEAU, BERS, CHUK

Biology:

growth, reproduction, pathology

Noise:

aircraft, seismic, surface vessels,
disturbance

Ecology:

behavior, feeding, sounds

Population Dynamics:

management

Subsistence Whaling:

management, whaling (recent)

Effects of Petroleum on Cetaceans

Abundance & Distribution:

abundance, distribution, migration

Haenel, N., & C. Flaherty. 1983. A conversation with Victor Scheffer. *Cetus* 5(1): 1-3.

Geographical area(s): N/S

Subsistence Whaling:

conservation

Haldiman, J. T., & D. A. Campbell. 1985. Observations on the structure of the skin and respiratory system of the bowhead whale, '*Balaena mysticetus*' - an update. In: T. F. Albert, ed. Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Biology:

physiology, histology

Haldiman, J. T., R. W. Henry, W. G. Henk, Y. Z. Abdelbaki, F. K. Al-Bagdadi, & D. W. Duffield. 1980. Respiratory anatomy of the bowhead whale, ('*Balaena mysticetus*'), of Alaska, USA. *Am. Zool.* 20(4): 759 (Abst).

Geographical area(s): N/S

Biology:

histology, anatomy

Haldiman, J. T., Y. Z. Abdelbaki, F. K. Al-Bagdadi, D. W. Duffield, W. G. Henk, & R. W. Henry. 1981a. Determination of the gross and microscopic structure of the lung, kidney, brain and skin of the bowhead whale, '*Balaena mysticetus*', - pp. 305-662. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales - in the Beaufort Sea, vol. 1. Final rept. submitted to AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

histology, pathology, physiology

Effects of Petroleum on Cetaceans:

external contact

Haldiman, J. T., W. G. Henk, F. K. Al-Bagdadi, & T. F. Albert. 1981b. Observations on the regional anatomy of bowhead whale skin. Am. Zool. 21(4): 1023. (Abst.)

Geographical area(s): N/S

Biology:

physiology, histology

Haldiman, J. T., R. W. Henry, W. G. Henk, Y. Z. Abdelbaki, F. K. Al-Bagdadi, D. W. Duffield, & T. F. Albert. 1981c. Microanatomy of the respiratory system of the bowhead whale. Presentation, Annual meeting of the American Veterinary Medical Association, July 1981. Abstract, Zbl. Vet. Med. C. Anat. Histo. Embryol. [in press].

Geographical area(s): N/S

Biology:

anatomy, physiology

Haldiman, J. T., W. G. Henk, R. W. Henry, & T. F. Albert. 1983. Thick epidermis and keratinization in bowhead whale skin.

Geographical area(s): N/S

Biology:

physiology, morphology

Haldiman, J. T., W. G. Henk, R. W. Henry, T. F. Albert, Y. Z. Abdelbaki, & D. W. Duffield. 1984. Microanatomy of the major airway mucosa of the bowhead whale, '*Balaena mysticetus*'. Anat. Rec. 209:219-230.

Geographical area(s): N/S

Biology:

anatomy, physiology, histology

Haldiman, J. T., W. G. Henk, R. W. Henry, T. F. Albert,
Y. A. Abdelbaki, & D. W. Duffield. 1985. Epidermal and
papillary dermal characteristics of the bowhead whale,
'*Balaena mysticetus*'. Anat. Rec. 211:391-402.

Geographical area(s): N/S

Biology:

physiology

Hanna, G. D. 1920. Mammals of the St. Matthew Islands,
Bering Sea. J. Mammal. 1:118-122.

Geographical area(s): BERS

Abundance & Distribution:

distribution

Ecology:

strandings

Hanneberg, P. 1977. Spitsbergen - A travel goal for
biologists. Fauna Flora (Stockh) 72(1): 1-14.

Geographical area(s): ARCT, NATL

Abundance & Distribution:

distribution

Hanson, A. M. 1979. Ice interactions, pp.79-127. In:
Investigation of the occurrence and behavior patterns of
whales in the vicinity of the Beaufort Sea Lease Area. Final
rept. for the period 1 October 1978 through 30 November
1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

habitat

Abundance & Distribution:

migration, review

Hanson, A. M. 1981. Predicting the first arrivals at Barrow,
Alaska, USA during the annual spring migration of bowheads,
'*Balaena mysticetus*'. Science in Alaska, Proceedings, 32nd
Alaska Science Conference, 25-27 August 1981, Fairbanks, AK.

Geographical area(s): N/S

Ecology:

habitat, techniques

Abundance & Distribution:

migration

Harrison, R. J., & J. E. King. 1965. Marine mammals. London: Hutchinson & Co., Hutchinson Univ. Library.

Geographical area(s): N/S

Biology:

physiology, taxonomy, morphology

Abundance & Distribution:

distribution

Ecology:

evolution, life history

- * Harwood, L. A., & J. K. B. Ford. 1982. Systematic aerial surveys of bowhead whales and other marine mammals in the southeastern Beaufort Sea, August-September 1982. Prepared for Dome Petroleum Ltd. and Gulf Canada Resources Inc.

Geographical area(s): BEAU, CANA

Population Dynamics:

recruitment, techniques

Noise:

aircraft

Abundance & Distribution:

abundance, distribution

Ecology:

feeding, habitat

- Haug, T. 1980. A bowhead whale, 'Balaena mysticetus', observed on Tanasnet, Norway. In Norwegian. Fauna (Oslo) 33(4): 158-159.

Geographical area(s): ARCT, GRLD

Abundance & Distribution:

distribution

- Hazard, K. W., & J. C. Cabbage. 1982. Bowhead whale distribution in the southeastern Beaufort Sea and Amundsen Gulf, summer 1979. Arctic 35:519-523.

Geographical area(s): ARCT, BEAU

Abundance & Distribution:

distribution, migration

- * Hazard, K. W., & L. F. Lowry. 1984. Benthic prey in a bowhead whale, 'Balaena mysticetus', from the northern Bering Sea, Alaska, USA. Arctic 37:166-168.

Geographical area(s): BERS

Ecology:

feeding

Heckman, R. A. 1981. Parasitological study of the bowhead whale, '*Balaena mysticetus*', pp.275-304. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol.1. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

pathology

Heckman, R., & W. Hess. 1979. Elemental analysis of bowhead tissue, pp.539-577. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, AK.

Geographical area(s): N/S, BEAU

Biology:

histology

Contaminants

Heckman, R., R. Warnock, & L. Jensen. 1979. Parasites of bowheads, pp.517-538. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, BEAU, CHUK

Biology:

pathology

Heizer, R. F. 1968. A bibliography of aboriginal whaling. J. Sot. Bibliogr. Nat. Hist. 4(7): 344-362.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

subsistence whaling - historic

Henk, W. G., & Y. Z. Abdelbaki. 1985. Observations on the morphology of the kidney of the bowhead whale, '*Balaena mysticetus*'. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Biology:
physiology, histology, morphology

Henk, W. G., J. 'E. Haldiman, & T. F. Albert. 1983. Aspects of lung ultrastructure in the bowhead whale, p.44. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S
Biology:
physiology, histology

Henry, R. W., J. T. Haldiman, Y. Z. Abdelbaki, F. K. Al-Bagdadi, D. W. Duffield, W. G. Henk, & T. F. Albert. 1981. Gross anatomy of the respiratory system of the bowhead whale. Presentation, Annual meeting, American Veterinary Medical Association July 1981. Abstract, Zbl. Vet. Med. C. Anat. Histol. Embryol. [in press].

Geographical area(s): N/S
Biology:
anatomy, physiology

Henry, R. W., J. T. Haldiman, T. F. Albert, W. G. Henk, Y. Z. Abdelbaki, & D. W. Duffield. 1983. Gross anatomy of the respiratory system of the bowhead whale, 'Balaena mysticetus'. Anat. Rec. 207:435-450.

Geographical area(s): N/S
Biology:
physiology

Hershkovitz, P. 1966. Catalog of living whales. Bull. U.S. Nat. Mus. no. 246.

Geographical area(s): N/S
Biology:
taxonomy

Herwig, R. P., J. T. Staley, M. Nerini, & H. W. Braham. 1983. Suggestion of forestomach microbial fermentation in baleen whales, N13. In: Abstracts, 83rd Annual Meeting, American Society for Microbiology, 6-11 March 1983, New Orleans, LA.

Geographical area(s): N/S
Ecology:

feeding

Biology:

physiology

Herwig, R. P., J. T. Staley, M. K. Nerini, & H. W. Braham.
1984. Baleen whales: Preliminary evidence for forestomach
microbial fermentation. Appl. Environ. Microbiol. 47(2):
421-423.

Geographical area(s): N/S, ARCT, NPAC

Ecology:

feeding

Biology:

physiology

Hill, D. O. 1975. Vanishing giants. Audubon 77(1): 56-90.

Geographical area(s): N/S

Biology:

taxonomy

Subsistence Whaling:

conservation, whaling {recent}

Ecology:

life history, behavior

Commercial Whaling:

historic commercial whaling

Hill, S. H. 1978. A guide to the effects of underwater shock
waves on Arctic marine mammals and fish. Pac. Mar. Sci. Rept.
78-26.

Geographical area(s): N/S, ARCT

Noise:

explosions, seismic, disturbance

Hills, S., & K. Valentine, 1982. Feeding habits, food
requirements and status of Bering Sea marine mammals. Vol. 2.
Annotated bibliography: 402-676. North Pacific Fisheries
Management Council, Unpubl. Rept., Anchorage, AK.

Geographical area(s): BERS

Ecology:

behavior, feeding, habitat

Biology:

growth, physiology

Abundance & Distribution:

abundance, distribution

Hjort, J., & J. J. Ruud. 1929. Whaling and fishing in the
North Atlantic. Cons. Int. Expl. Mer., Rapport Proc. Verb.
56: 5-123.

Geographical area(s):

- * Hobbs, L. J., & M. E. Goebel. 1982. Bowhead whale radio tagging feasibility study and review of large cetacean tagging. NOAA-TM-NMFS-F/NWC- 21. Seattle, WA: NOAA, NMFS.

Geographical area(s): N/S, BEAU

Ecology:

behavior, Techniques

Biology:

individual identification

Holliday, D. V., W. C. Cummings, & W. T. Ellison. 1980. Underwater sound measurements from Barrow and Prudhoe Regions, Alaska, May-June, 1980. Tracer Doc. no. T-80-SD-022-U. Rept. submitted to AK Eskimo Whaling Commission. Tracer Applied Sciences.

Geographical area(s): BEAU, CHUK

Noise:

ambient, helicopter, surface vessels

Ecology:

sounds

- * Hoorwood, J. W., & J. K. Hunton. 1983. Forward stochastic projections of the Bering Sea bowhead whale stock. Rept. Int. Whaling Comm. 33:491-495.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance

Population Dynamics:

management, mortality, recruitment,
population structure

Subsistence Whaling.:

management

Homer, R. A., & D. Wencker. 1979. Plankton, pp.135-186. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period I, October 1978 through 30 November 1979 prepared- for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, BERS

Ecology:

feeding

Hosokawa, H., & T. Kamiya. 1971. Some observations on the" cetacean stomachs, with special considerations of the feeding habits of whales. Sci. Rep. Whales Res. Inst. 23:91-101.

Geographical area(s): N/S
 Biology:
 physiology, anatomy
 Ecology:
 feeding

- * Houghton, J. P. 1984. Beaufort Sea Monitoring Program: Proceedings of Workshop (September 1983) and Sampling Design Recommendations. Juneau, AK: NOAA, OCS Environmental Assessment Program.

Geographical area(s): BEAU
 Long Term Effects:
 changes in migration
 Population Dynamics:
 techniques
 Abundance & Distribution:
 migration

- Hoyt, E. 1984. The whale watcher's handbook. Garden City, NY: Madison Press Book for Doubleday & Co.

Geographical area(s): N/S
 Biology:
 morphology, reproduction
 Abundance & Distribution: "
 distribution
 Ecology:
 behavior, feeding, habitat

- Hufford, G. L. 1982. Ice conditions along the migratory path of the bowhead whale. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population assessment, 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission. 252p.

Geographical area(s): ARCT, BEAU, BERS, CHUK, NPAC
 Ecology:
 habitat
 Abundance & Distribution:
 migration

- Hurley, D. E., & J. L. Mohr. 1957. On whale lice (Amphipoda: Cymidae) from the California gray whale, 'Eschrichtius glaucus'. J. Parasitol. 43:352-357.

Geographical area(s): CHUK, BEAU
 Biology:
 pathology

Imm, J. L., ed. 1980. Interagency meeting to review, coordinate, and plan bowhead whale research, other cetacean research, and related research bearing upon the conservation and protection of endangered marine species in Alaska and elsewhere. Presentation, OCS Endangered Species Research Program Review, 12-14 November 1980. Seattle, WA. BLM, AK OCS Office, Endangered Whale Research Program.

Geographical area(s):

International Whaling Commission. 1979b. Bowhead whaling: Population status and alternative biological resources. Rept. of the Wildlife Panel, IWC Meeting of Experts on Aboriginal Subsistence Whaling, 5-9 February 1979, Seattle, WA.

Geographical area(s):

- * International Whaling Commission. 1982a. Aboriginal subsistence whaling (with special reference to the Alaska and Greenland fisheries). Rept. Int. Whaling Comm. Special Issue no. 4:1-49.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK, N/S

Abundance & Distribution:

abundance

Subsistence Whaling:

subsistence whaling - historic, whaling (recent), management, conservation

Population Dynamics:

review, management, mortality

International Whaling Commission. 1982b. Report of the panel meeting of experts on aboriginal/subsistence whaling. Aboriginal/subsistence whaling (with special reference to the Alaska and Greenland fisheries). Rept. Int. Whaling Comm. 4: 7-9.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

whaling (recent), management

International Whaling Commission. 1982c. Report of the wildlife panel, bowhead whaling: Population status and alternative. Aboriginal/subsistence whaling (with special reference to the Alaska and Greenland fisheries). Rept. Int. Whaling Comm. 4:11-21.

Geographical area(s): BERS, CHUK, BEAU

Subsistence Whaling:

whaling (recent)

International Whaling Commission. 1982d. Report of the cultural anthropology panel. Aboriginal/subsistence whaling (with special reference to the Alaska and Greenland fisheries). Rept. Int. Whaling Comm. Special Issue no. 4:3-5.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Isakson, J., J. Storie, J. Vagners, G. Erickson, J. Kruger, & R. Corlett. 1975. Comparison of ecological impacts of postulated oil spills on selected Alaskan locations. Bellevue, WA: Mathematical Sciences Northwest, Inc.

Geographical area(s): NPAC, GOAK, BERS, CHUK, BEAU

Effects of Petroleum on Prey

Jackson, T. C. 1978. Marine mammal protection workshop. Oceans 11(4): 63.

Geographical area(s):

Subsistence Whaling:

conservation, management

Jarrell, G. H. 1979a. Karyotype of the bowhead whale ('Balaena mysticetus'). J. Mammal. 60:607-610.

Geographical area(s): N/S

Biology:

physiology, anatomy, histology

Ecology:

evolution

Jarrell, G. H. 1979b. Tissues (structure/function): Morphotype of the bowhead whale called Ingutuk, pp.267-278. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S, BEAU, CHUK

Biology:

morphology

Population Dynamics:

population structure

Jarrell, G. H. 1979c. Tissues (structure/function):

Cytogenetic investigation of the bowhead to determine relatedness to morphotype of the bowhead whale called Ingutuk, pp.435-436. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BERS, CHUK

Biology:

morphology, histology

Population Dynamics:

population structure

Jarrell, G. H. 1981a. A cytogenetic investigation of phenotypic variability in bowhead whales, 'Balaena mysticetus'. Science in Alaska, Proceedings, 32nd Alaska Science Conference, 25-27 August 1981, Fairbanks, AK.

Geographical area(s): N/S

Population Dynamics:

population structure

Jarrell, G. H. 1981b. Cytogenetic and morphological investigation of variability in the bowhead whale, 'Balaena mysticetus', pp.213-231. In: T. F. Albert, ed., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. to BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. Md.

Geographical area(s): BEAU, CHUK, N/S

Biology:

morphology, taxonomy

Jarrell, G. H. 1982. Prospective methods for estimating the reproductive rate of the bowhead whale. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment, 25-29 January 1982, Anchorage Alaska. The Alaska Eskimo Whaling Commission.

Geographical area(s): N/S

Population Dynamics:

recruitment

Ecology:

life history

Jehl, J. R., M. H. White, & S. I. Bond. 1980. Effects of sound and shock waves on marine vertebrates: An annotated bibliography. USFWS, National Coastal Ecosystems Team & Office of Migratory Bird Management.

Geographical area(s): N/S

Noise:

explosions, seismic

Ecology:

sounds

Johnson, J. H., H. W. Braham, B. D. Krogman, W. M. Marquette, R. M. Sonntag, & D. J. Rugh. 1981. Bowhead whale research: June 1979 to June 1980. Rept. Int. Whal. Comm. 31:461-475.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK

Ecology:

behavior, habitat, feeding

Abundance & Distributions

abundance, distribution, migration

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Biology:

physiology

Population Dynamics:

population structure

Johnson, M. F., & W. F. Gusey. 1982. The bowhead whale: Life history and issues. Equilibrium (Fall 82) 7(4):9.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

management, conservation

Noise

Effects of Petroleum on Cetaceans

Johnson, M. L., C. H. Fiscus, B. T. Ostenson, & M. L. Barbour. 1966. Marine mammals, pp.877-924. In: N. J. Wilimovsky & J. N. Wolfe, eds., Environment of the Cape Thompson region, Alaska. Oak Ridge, TN: U.S. Atomic Energy Commission. (Available from NTIS, Springfield, VA as PNE-481.)

Geographical area(s): CHUK

Biology

Subsistence Whaling

Johnson, S. R. 1983. Birds and marine mammals, pp.115-175.
 In: Environmental characterization and biological use of
 lagoons in the eastern Beaufort Sea. Final rept. for NOAA,
 OCS Environmental Assessment Program, Office of Marine
 Pollution Assessment, Juneau, AK.

Geographical area(s): BEAU

Ecology:

habitat, feeding, behavior

Abundance & Distribution:

distribution

Johnston, D. G., & A. C. Shum. 1979. Tissues (structure/
 function): Bacteriological study of the bowhead whale, pp.
 459-465. In: Investigation of the occurrence and behavior
 patterns of whales in the vicinity of the Beaufort Sea Lease
 Area. Final rept. for the period 1 October 1978 through
 30 November 1979 prepared for BLM, AK OCS Office, Anchorage,
 AK.

Geographical area(s): N/S

Biology:

pathology

Johnston, D. G., & A. C. Shum. 1981. Bacteriological study
 of the bowhead whale, 'Balaena mysticetus', pp.255-274. In:
 T. F. Albert, ed., Tissue structural studies and other
 investigations on the biology of endangered whales in the
 Beaufort Sea, vol. 1. Final rept. to BLM, AK OCS Office,
 Anchorage AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

pathology

Jones, C. L., & R. J. Tarpley. 1981. Observations on the
 heart of the bowhead whale, pp.805-828. In: T. F. Albert,
 cd., Tissue structural studies and other investigations on
 the biology of endangered whales in the Beaufort Sea, vol.2.
 Final rept. for the period 1 April 1980 through 30 June
 1981 submitted to BLM, AK OCS Office, Anchorage, AK. College
 Park: Univ. MD.

Geographical area(s): N/S

Biology:

histology, pathology

Jonsgaard, A. 1964. A right whale ('*Balaena*' sp.) in all probability a Greenland right whale ('*Balaena mysticetus*') observed in the Barents Sea. *Nor. Hvalfangst Tid.* 53: 311-313.

Geographical area(s): ARCT, BARS
Abundance & Distribution:
distribution

Jonsgaard, A. 1969. Age determination of marine mammals, pp.1-30. In: H. T. Anderson, cd., *Biology of marine mammals*. New York: Academic Press.

Geographical area(s): N/S
Ecology:
life history
Biology:
physiology, techniques

Jonsgaard, A. 1981. Bowhead whales, '*Balaena mysticetus*', observed in Arctic waters of the eastern North Atlantic after the Second World War. *Rept. Int. Whaling Comm.* 31:511. Annual meeting, 1980 (SC/32/PS 23).

Geographical area(s): ARCT, NATL, GRDL
Abundance & Distribution:
abundance, distribution

Jonsgaard, A. 1982. Bowhead ('*Balaena mysticetus*') surveys in Arctic northeast Atlantic waters in 1980. *Rept. Int. Whaling Comm.* 32:355-356 (SC/33/PS3).

Geographical area(s): ARCT, NATL
Abundance & Distribution:
abundance, distribution

Jonsgaard, A. n.d. A review of Norwegian biological research on whales in the northern North Atlantic Ocean after the Second World War. *Nor. Hvalfangst Tid.* 6:164-167.

Geographical area(s): NATL, ARCT
Abundance & Distribution:
distribution

Kanwisher, J. W., & S. H. Ridgway. 1983. The physiological ecology of whales and porpoises. *Sci. Am.* 248(6): 111-122.

Geographical area(s): N/S

Biology:
 physiology
 Ecology:
 evolution, feeding

Kasuya, T. 1970. A Greenland right whale caught at Osaka Bay.
 Sci. Rep. Whales Res. Inst. 22:45-62.

Geographical area(s): NPAC
 Biology:
 morphology

Kawamura, A. 1975. Consideration of an available source of energy and its cost of locomotion in fin whales with special reference to the season migrations. Sci. Rep. Whales Res. Inst. 27:61-79.

Geographical area(s): N/S
 Ecology:
 feeding
 Abundance & Distribution:
 migration
 Biology:
 physiology, reproduction

Kelley, J. J. 1979. Beaufort Sea regional geography and climatology (Appendix 3), pp.579-585. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU
 Ecology:
 habitat

Kelley, J. J., W. T. Ellison, & R. Dronenburg. 1979. Bioacoustics, pp.65-77. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area... Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU
 Ecology:
 sounds
 Abundance & Distribution:
 distribution

Kelley, J. J., S. Cuccarese, W. Cummings, W. Ellison, F. Fay, E. Follman, G. Laurusen, L. Lowry, S. Maclean, D. Norton, P. Starratt, T. Albert, & R. Dronenburg. 1982. Recommendations of the Alaska Eskimo Whaling Commission Science Advisory Committee. In: Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment. 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

techniques, sounds

Abundance & Distribution:

abundance, migration, Techniques

Kellogg, R. 1928. The history of whales - their adaptation to life in the water. Quart. Rev. Biol. 3:29-76, 174-208.

Geographical area(s): N/S

Biology:

physiology

Ecology:

evolution

Kellogg, R. 1929. What is known of the migrations of some of the whalebone whales. Smithson. Inst. Annu. Rept. 1928:467-494.

Geographical area(s): NPAC, BERS, CHUK, ARCT

Biology:

physiology

Abundance & Distribution:

migration

Kellogg, R. 1931. Whaling statistics for the Pacific coast of North America. J. Mammal. 12:73-77.

Geographical area(s): BEAU, BERS, CHUK, NPAC

Commercial Whaling:

historic commercial whaling

Abundance & Distribution:

migration

Commercial Whaling:

historic commercial whaling

Kenney, R. M. 1979. Tissues (structure/function): Reproductive, lympho-immune and endocrine systems of the bowhead whale, pp. 359-393. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, physiology

Kenney, R. M., & J. I. Everitt. 1979. Tissues (structure/function): Histology structure of the skin, respiration, digestive, lymphatic, urinary and reproductive systems of the bowhead whale, pp.226-263. In: investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for ELM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, N/S

Biology:

histology, physiology

Kenney, R. M., & M. C. Garcia. 1981. The biology of the reproductive and endocrine systems of the bowhead whale, 'Balaena mysticetus', as determined by evaluation of tissues and fluids . . . , pp.89-155. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, physiology

Kenyon, K. 1972. Aerial surveys of marine mammals in the Bering Sea, April 6-16, 1972. Seattle, WA: USFWS, U.S. Bureau of Fisheries & Wildlife, Marine Mammal Substation, Naval Support Activity, Bldg. 192.

Geographical area(s): BERS

Abundance & Distribution:

distribution, abundance

Kimura, M. n.d. A bibliography of age determination of mammals (with special emphasis on the cetacea). La Jolla, CA: NOAA, NMFS, Southwest Fisheries Center

Geographical area(s): N/S

Biology:

physiology, morphology

Ko, D., J. Zeh, B. D. Krogman, & R. Sonntag. 1985.
Utilization of acoustical localization data in estimating the proportion of spring migrating bowhead whales, 'Balaena mysticetus', not visually detected by ice-based visual census off Point Barrow, Alaska. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK

Abundance & Distribution:

abundance, Techniques

Ecology:

techniques, sounds

Kooyman, G. L., & H. T. Andersen. 1969. Deep diving, pp.65-94. In: H. T. Anderson, ed., The biology of marine mammals. New York: Academic Press.

Geographical area(s): N/S

Biology:

physiology, histology

Kooyman, G. L., M. A. Castellini, & R. W. Davis. 1981.
Physiology of diving marine mammals. Ann. Rev. Physiol. 43:343-356.

Geographical area(s): N/S

Biology:

physiology

Krogman, B. D. 1980. Sampling strategy for enumerating the western Arctic population of the bowhead whale. Mar. Fish. Rev. 42(9-10): 30-36.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, techniques

Krogman, B. D. 1982a. Methodology for ice-based censusing of bowhead whales. In: Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment, 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): BEAU, CHUK

Abundance & Distribution:

abundance

Krogman, B. (Chairman of Discussion Group). 1982b. A consideration of surface (visual) censusing procedures as they relate to spring migrating bowhead whales, '*Balaena mysticetus*'. In: Proceedings, First Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*': Population Assessments 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): ARCT, BEAU, BERS, CHUK
Abundance & Distribution:
abundance

Krogman, B. D., & R. D. Everitt. 1977. Six bowhead whales in the Arctic. *Alaska* 63(9): 52-53.

Geographical area(s): BEAU, CHUK
Ecology:
behavior
Biology:
reproduction

Krogman, B. J., & W. Everitt. 1978. Bowhead whale, '*Balaena mysticetus*', copulatory behavior observed off north coast of Alaska. Unpubl. ms. submitted to *J. Mammalogy*.

Geographical area(s): BEAU, CHUK
Ecology:
behavior

Krogman, B. D., & D. J. Rugh. 1983. Instructions for conducting a census of bowhead whales from ice-based observation sites near Point Barrow, Alaska. NOAA TM-NMFS-F/NWC-45-83.

Geographical area(s): BEAU, CHUK
Abundance & Distribution:
abundance, techniques

Krogman, B. D., H. Braham, G. Carroll, R. Everitt, E. Iten & J. Smithhisler. 1977. 'Preliminary report on the bowhead whale, '*Balaena mysticetus*', in Alaska: Distribution and abundance, p.9. In: Second Conference on the Biology of Marine Mammals, 12 December 1977, San Diego, CA.

Geographical area(s): BEAU, BERS, CHUK
Abundance & Distribution:
abundance, migration
Biology:
reproduction

Ecology:
behavior

Krogman, B. D., R. M. Sonntag, & H. W. Braham. 1979a. Arctic whale task aerial survey format. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center.

Geographical area(s): N/S
Population Dynamics:
Techniques
Abundance & Distribution:
abundance

Krogman, B. D., R. M. Sonntag, H. W. Braham, S. Savage; & G. W. Priebe. 1979b. Arctic whale task ice camp survey format, 1979 version. Seattle, WA: NOAA, NMFS, Northwest and AK Fisheries Center, National Marine Mammal Lab.

Geographical area(s): BEAL?, CHUK
Population Dynamics:
techniques
Abundance & Distribution:
abundance

Krogman, B. D., R. M. Sonntag, D. J. Rugh, R. A. Grotefendt, & G. W. Priebe. 1981a. Population estimates of the western Arctic stock of the bowhead whale. Int. Whaling Comm., Annual Meeting, SC/33/PS 4.

Geographical area(s): BEAU, CHUK
Population Dynamics:
techniques
Abundance & Distribution:
abundance

Krogman, B. D., R. M. Sonntag, D. A. Rugh, R. A. Grotefendt, & G. W. Priebe. 1981b. Population estimation of the western stock of the bowhead whale, p.72. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BEAU, CHUK
Abundance & Distribution:
abundance

Krogman, B. D., R. M. Sonntag, D. J. Rugh, J. Zeh, & R. A. Grotefendt. 1982. Ice-based census results from 1978-81 on the western Arctic stock of the bowhead whale. Rept. Int. Whaling Comm. 34:1-54 (Dec. SC/34/PS 62: 19-23).

Geographical area(s): BEAU, CHUK

Abundance & Distribution:
 abundance
 Ecology:
 behavior

Krogman, B. D., D. Ko, J. Zeh, R. A. Grotefendt, & R. M. Sonntag. 1983a. Experimental design considerations for the use of acoustic data to correct for whales missed by the ice based census. Unpubl. rept. submitted to North Slope Borough, Barrow, AK.

Geographical area(s): BEAU, CHUK
 Ecology:
 behavior, sounds
 Abundance & Distribution:
 abundance

Krogman, B. D., R. M. Sonntag, D. J. Rugh, J. Zeh, & R. A. Grotefendt. 1983b. Minimum population estimates of the western stock of the bowhead whale from ice based census results 1978-82. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): BEAU, CHUK .
 Abundance & Distribution:
 abundance

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Krogman, B. D., D. Ko, J. Zeh, R. A. Grotefendt, & R. M. Sonntag. 1984. Experimental design considerations for the use of acoustic data to correct for whales missed by the ice-based census. Rept. Int. Whaling Comm. 34: 445-456 (SC/35/PS14).

Geographical area(s): BEAU, CHUK
 Population Dynamics:
 techniques
 Abundance & Distribution:
 abundance

Krogman, B. D., R. M. Sonntag, J. Zeh, & D. Ko. 1985. Environmental factors affecting the results of the 1978-84 ice-based visual census of bowhead whales, 'Balaena mysticetus', near Point Barrow, Alaska. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, CHUK
 Abundance & Distribution:
 abundance

Krupnik, I. I. 1980. Morskoj zverobojnyj promysel aziatskikh ehskimosov [Marine mammal hunting by Asiatic Eskimos in the 1920s - 1930s], pp.66-79. In: V. A. Zemskij, cd., Morskie mlekoopitayushchie. Sbornik nauchnykh trudov [Marine mammals - Collection of scientific papers]. Moskva: VNIRO.

Geographical area(s): CHUK, BERS
 Subsistence Whaling:
 subsistence whaling - historic

Krupnik, I. I. 1984. Gray whales and the aborigines of the Pacific Northwest: The history of aboriginal whaling, pp.103-120. In: M. L. Jones, S. L. Swartz, & S. Leatherwood, eds., The gray whale, 'Eschrichtius robustus'. Orlando, FL: Academic Press.

Geographical area(s): BERS, CHUK, USSR, OKHO
 Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)
 Population Dynamics:
 review

Kuz'min, A. A., & A. A. Berzin. 1975. Raspredelenie i sovremennoe sostoyanie chislennosti gladkikh i serykh kotov v dal'nevostocnykh moriakh [Distribution and current numbers of right and gray whales in the Far-east seas], pp.121-122. In: Biologicheskie resursy morei dal'nego vostoka [Biological resources of the Far-east seas]. Papers of the All-Union Conference, October, 1975, Vladivostok. (Transl. avail. NMFS, Off. Internatl. Fish., Land. Ser. Branch, Washington, D. C.).

Geographical area(s): BERS, CHUK
 Ecology:
 behavior
 Abundance & Distribution:
 distribution

Lambertsen, R.H. 1983. The internal mechanism of rorqual feeding. J. Mammal. 64:75-88.

Geographical area(s): N/S
 Biology:
 physiology

Larsen, L. 1953. The Greenland whale and its fate. In Danish. Gronland 7:265-270.

Geographical area(s): NATL, GRDL
 Subsistence Whaling

Laughlin, W. S., & A. B. Harper. 1982. Demographic diversity, length of life and Aleut- Eskimo whaling. Rept. Int. Whaling Comm. Special Issue no. 4:75-77.

Geographical area(s): BEAU, ARCT, CHUK, BERS
Subsistence Whaling:
subsistence whaling - historic

Laws, R. M. 1956. Growth and sexual maturity in aquatic mammals. Nature 178(4526): 193-194.

Geographical area(s): N/S

Leatherwood, S. (Chairman of Discussion group). 1982. A consideration of aerial censusing of bowhead whales, 'Balaena mysticetus'. In: Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment, 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): ARCT, BEAU, BERS, CHUK
Abundance & Distribution:
abundance, distribution, emigration

Leatherwood, S., W. E. Evans, & D. W. Rice. 1972. The whales, dolphins and porpoises of the eastern North Pacific: A guide to their identification in the water. Rept. no. NUC-TP-282. San Diego, CA: Naval Undersea Research & Development Center.

Geographical area(s):

Leatherwood, S., D. K. Caldwell, & H. E. Winn. 1976. Whales, dolphins and porpoises of the western North Atlantic: A guide to their identification. NOAA Tech. Rept. NMFS CIRC-396.

Geographical "area(s):

Leatherwood, S., K. Goodrich, A. L. Kinter, & R. M. Truppo. 1982. Respiration patterns and 'sightability' of whales. Rept. Int. Whaling Comm. 32:601-13 (SC/33/0 11).

Geographical area(s): N/S
Ecology:
behavior, techniques
Abundance & Distribution:
abundance, techniques

Leatherwood, S., A. E. Bowles, & R. R. Reeves. 1983. "Endangered whales of the eastern Bering Sea and Shelikof Strait, Alaska: Results of aerial surveys, April 1982 through April 1983 with notes on other marine mammals seen. Final report to NOAA, Office of Marine Pollution Assessment, OCS Environmental Assessment Program, Juneau, AK. San Diego, CA: Hubbs-Sea World Research Inst.

Geographical area(s): BERS, GOAK

Biology

Abundance & Distribution:

abundance, distribution, review,
migration

Commercial Whaling:

historic commercial whaling

Leung, Y. M. 1967. An illustrated guide to the species of whale lice (Amphipoda, Cyamidae), ectoparasites of Cetacea, with a guide to the literature. Crustaceana 12:278-91.

Geographical area(s): N/S

Biology:

pathology

LGL Ecological Research Associates, Inc. 1983. Environmental characterization and biological use of lagoons in the eastern Beaufort Sea. Final rept. for NOAA, OCS Environmental Assessment Program, Office of Marine Pollution Assessment, Juneau, AK.

Geographical area(s): BEAU

Abundance & Distribution:

distribution

Ecology:

habitat, feeding

- * LGL Ecological Research Associates, Inc., & Arctic Sciences Ltd. 1985. Importance of the eastern Alaskan Beaufort Sea to feeding bowheads: literature review and analysts. MMS, Reston, VA, Contract No. 14-12-0001-30233.

Geographical area(s): "BEAU

Ecology:

feeding

LGL Limited, Environmental Research Associates. 1983.

Preliminary assessment of the length-frequency distribution and gross annual reproductive rate of the western Arctic bowhead whale as determined with low-level aerial photography, with comments on life history. (Avail. NMFS, National Marine Mammals Lab., Seattle", WA 98115.)

Geographical area(s): BEAU, ARCT

Population Dynamics:

population structure, recruitment

Ecology:

life history

Abundance & Distribution:

distribution

Biology:

individual identification

Ljungblad, D. K. 1981. Aerial surveys of endangered whales in the Beaufort Sea, Chukchi Sea, and northern Bering Sea, Final report: March - November 1980. NOSC/TD-449. San Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, sounds

Abundance & Distribution:

abundance, distribution, migration

Biology:

individual identification

Ljungblad, D. K. 1983a. Bowhead whale, 'Balaena mysticetus', migration patterns in the Alaska Beaufort 'Sea, 1979-1982, p.62. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): BEAU

Abundance & Distribution:

migration, distribution

Ecology:

habitat, feeding

Ljungblad, D. K. 1983b. Bowhead whale migratory patterns in the Alaskan Beaufort Sea. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): BEAU

Abundance & Distribution:

migration

Ljungblad, D. K. 1983c. Interaction between offshore geophysical exploration activities and bowhead whales in the Alaska Beaufort Sea, Fall, 1982. Abstract, 106th Meeting, Acoustical Society of America. J. Acoust. Soc. Am. (suppl. 1) 74:S55.

Geographical area(s): BEAU

Ecology:

sounds, behavior

Noise:

seismic, surface vessels

Ljungblad, D. K., S. Leatherwood, & M. E. Dahlheim. 1979a. Sounds recorded in the presence of an adult and calf bowhead whale, 'Balaena mysticetus': Final report. NOSC/TR-420. San Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, CHUK

Ecology:

sounds

Ljungblad, D. K., S. Leatherwood, & M. E. Dahlheim. 1979b. Sounds recorded in the presence of adult and calf bowhead whales, 'Balaena mysticetus': Revision 1 of final report. NOSC/TR-420-REV-1. San Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, CHUK

Ecology:

sounds

Ljungblad, D. K., M. F. Platter-Reiger, & F. S. Shipp, Jr. 1979c. Aerial surveys of bowhead whales, North Slope, Alaska (Appendix 4), pp.587-622. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU

Abundance & Distribution:

abundance, distribution

Ljungblad, D. K., S. Leatherwood, & M. E. Dahlheim. 1980a. Sounds recorded in the presence of an adult and calf bowhead whale. Marine Fish. Rev. 42(9-10): 86-87.

Geographical area(s): BEAU, CHUK

Ecology:

sounds

Ljungblad, D. K., M. F. Platter-Rieger, & F. S. Shipp, Jr.
 1980b. Aerial surveys of bowhead whales, North Slope, Alaska.
 Final rept., August-October 1979 for BLM, Project no. 00L80AA
 851-IAO-1-Element OGB. NOSC/TD-314. San Diego, CA: Naval -
 Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, sounds

Abundance & Distribution:

abundance, distribution, migration

Ljungblad, D. K., S. E. Moore, & P. O. Thompson. 1981.
 Overview of endangered whale aerial surveys, 1979-1981,
 highlighting bowhead whale sound production, p.75. In:
 Abstracts, Fourth Biennial Conference on the Biology of Marine
 Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

sounds

Ljungblad, D. K., S. E. Moore, D. R. Van Schoik,
 & C. S. Winchell. 1982a. Aerial surveys of endangered whales
 in the Beaufort, Chukchi, and northern Bering Seas. NOSC/TD
 no. 386. Final rept. for April - October 1981, prepared for
 BLM. San Diego, CA: Naval Ocean, Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, migration

Ecology:

feeding, sounds, behavior,
 habitat

Subsistence Whaling:

whaling (recent)

Noise:

seismic

Population Dynamics:

mortality

- * Ljungblad, D. K., P. O. Thompson, & S. E. Moore. 1982b.
 Underwater sounds recorded from migrating bowhead whales,
 'Balaena mysticetus', in 1979. J. Acoust. Soc. Am. 71(2):
 477-482.

Geographical area(s): BEAU

Ecology:

sounds

Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1983.
Aerial surveys of endangered whales in the Beaufort, eastern
Chukchi, and northern Bering Seas, 1982. NOSC/TD-605. San
Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, feeding, sounds

Abundance & Distribution:

abundance, distribution, migration

Noise:

aircraft, surface vessels

Population Dynamics:

population structure

- * Ljungblad, D. K., B. Wursig, R. R. Reeves, J. T. Clarke, &
C. R. Greene. 1984a. Fall 1983 Beaufort Sea seismic monitoring
and bowhead whale behavior studies. Rept. prepared for
MMS, AK OCS Region, Interagency Agreement no. 14-12-0001-
29064.

Geographical area(s): BEAU

Ecology:

behavior, feeding

Noise':

seismic

- * Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1984b.
Aerial surveys of endangered whales in the northern Bering,
eastern Chukchi, and Alaskan Beaufort Seas, 1983: with a five
year review, 1979-1983. NOSC/TR no. 955. San Diego, CA: Naval
Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, feeding, life history,
sounds

Abundance & Distribution:

abundance, distribution, migration

Noise:

aircraft

Population Dynamics

- * Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1984c.
Summary statistics for bowhead whale sighting rates.
Unpubl. rept. for MMS, AK OCS Region.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, habitat

Abundance & Distribution:
 abundance, distribution, migration
 Population Dynamics:
 recruitment

- * Ljungblad, D. K., B. Wursig, S. L. Swartz, & J. M. Keene.
 1985a. Observations on the behavior of bowhead whales, 'Balaena mysticetus', in the presence of operating seismic exploration vessels in the Alaskan Beaufort Sea. Unpubl. rept. for MMS, Alaska OCS Region. Interagency Agreement no. 14-12-0001-30031.

Geographical area(s): BEAU
 Ecology:
 behavior
 Noise:
 seismic

- Ljungblad, D. K., S. L. Swartz, & B. Wursig. 1985b.
 Observations on the behavior of bowhead whales, 'Balaena mysticetus', in the presence of an operating seismic exploration vessel in the Alaskan Beaufort Sea. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU
 Ecology:
 behavior
 Noise:
 seismic, surface vessels

- Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1985c.
 Observed densities of bowhead whales, 'Balaena mysticetus', in the Beaufort, Chukchi and Bering Seas from 1979 to 1984 as noted by aerial survey. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical "area(s): BEAU, BERS, CHUK
 Abundance & Distribution:
 abundance, distribution
 Ecology:
 behavior
 Population Dynamics:
 recruitment

- * Ljungblad, D. K., S. E. Moore, J. T. Clark, D. R. Van Schoik & J. C. Bennett. 1985d. Aerial surveys of endangered whales in the northeastern Bering, eastern Chukchi and Alaskan Beaufort Seas, 1984: With a six year review, 1979-1984. NOSC/Tech. Rept. no. 1046. Prepared for MMS, AK OCS Region. San Diego, CA: Naval Ocean Systems Center.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

behavior, feeding, strandings
sounds, habitat

Abundance & Distribution:

abundance, distribution, migration

Noise:

aircraft, disturbance

Population Dynamics:

recruitment

- Ljungblad, D. K., S. E. Moore, & D. R. Van Schoik. 1985e. Seasonal patterns of distribution, abundance, migration and behavior of the western Arctic stock of bowhead whales, 'Balaena mysticetus'. Rept. Int. Whaling Comm., 35th Annual Meeting (SC/36/PS1).

Geographical area(s): BEAU, BERS, CHUK, ARCT

Ecology:

behavior, feeding, habitat,
sounds

Population Dynamics:

recruitment

Abundance & Distribution:

distribution, abundance, migration

- Ljungblad, D. K., S. E. Moore, & J. T. Clarke. 1986. Assessment of bowhead whale, 'Balaena mysticetus', feeding patterns in the Alaska Beaufort and northeastern Chukchi Seas, via aerial surveys, fall 1979-1984. Submitted for Int. Whaling Comm. Meeting 36 (SC/37/PS1).

Geographical area(s): BEAU

Abundance & Distribution:

migration

Ecology:

feeding, habitat, behavior

- Loken, M. 1977. 1977 - Last year for bowhead-whale hunting? Alaska 43(9): 11.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling: .

recruitment, management

Lowry, L. F. 1982. Documentation and assessment of marine mammal-fishery interactions in the Bering Sea, pp.300-311. In: Trans., 47th North American Wildlife and Natural Resources Conference. Washington, D. C.: Wildlife Management Inst.

Geographical area(s): BERS

Ecology:

feeding

Subsistence Whaling:

management

Lowry, L. F., & J. Burns. 1979. Tissues (structure/function): The food habits of bowhead whales, pp. 437-443. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979, prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

feeding

- * Lowry, L. F., & J. J. Burns. 1980. Foods utilized by bowhead whales near Barter Island, Alaska, autumn 1979. Mar. Fish. Rev. (9-10): 88-91.

Geographical area(s): BEAU

Ecology:

feeding

Lowry, L. F., & K. J. Frost. 1981. Marine mammals, pp.43-47. In: D. W. Norton & W. M. Sackinger, eds., Proceedings of a synthesis meeting: Beaufort Sea- Sale 71- Synthesis Report, 21-23 April, Chena Hot Springs, AK. NOAA, Office of Marine Pollution Assessment, & BLM, OCS Environmental Assessment Program.

Geographical area(s): BEAU

Abundance & Distribution:

migration, distribution

Lowry, L. F., & K. J. Frost. 1983a. Foods and feeding of bowhead whales. Whalewatcher 1.7(3): 6-8.

Geographical area(s): BEAU, BERS, CHUK

Ecology:

feeding

Lowry, L. F., & K. J. Frost. 1983b. Foods and feeding of bowhead whales, '*Balaena mysticetus*', in western and northern Alaska. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 7-9 March 1983, Anchorage, AK.

Geographical area(s): ARCT, BEAU, CHUK, BERS

Ecology:
feeding

- * Lowry, L. F., & K. J. Frost. 1984. Foods and feeding of bowhead whales, '*Balaena mysticetus*', in western and northern Alaska USA. Sci. Rep. Whales Res. Inst. 35:1-16.

Geographical area(s): BEAU, BERS, CHUK

Ecology:
feeding

Lowry, L. F., & K. J. Frost. n.d. Biological interactions among marine mammals and commercial fisheries in the Bering Sea. Unpubl. rept. prepared for AK Dept. Fish & Game, Fairbanks.

Geographical area(s): BERS

Ecology:
feeding

- * Lowry, L. F., K. J. Frost, & J. J. Burns. 1978. Food of ringed seals and bowhead whales near Point Barrow, Alaska. Can. Field-Nat. 92(1): 67-70.

Geographical area(s): BEAU, CHUK

Ecology:
feeding

Lowry, L. F., K. J. Frost, & J. J. Burns. 1979. Final report of Beaufort Sea activities -- Trophic relationships among ice inhabiting phocid seals, pp.305-364. In: Receptors - mammals, vol.1 of Environmental assessment of the Alaskan continental shelf, Annual reports of principal investigators for the year ending March 1977. Boulder, CO: NOAA, Environmental Research Labs.

Geographical area(s): BEAU

Ecology:
feeding

Lowry, L. F., K. J. Frost, & J. J. Burns. 1981. Trophic relationships among ice-inhabiting phocid seals and functionally related marine mammals in the Bering Sea, pp.97-173. In: Biological studies, vol.11 of Environmental assessment of the Alaskan continental shelf: Final reports of principal investigators. Boulder, CO: NOAA, Environmental Research Labs.

Geographical area(s): BERS

Abundance & Distribution:
distribution

Ecology:
feeding

Lowry, L. F., K. J. Frost, D. G. Calkins, G. L. Swartzman, & S. Hills. 1982. Feeding habits, food requirements, and status of Bering Sea marine mammals. Unpubl. rept. submitted to North Pacific Fishery Management Council, Anchorage, AK.

Geographical area(s): BERS

Ecology:
feeding

Abundance & Distribution:
abundant e

Mackintosh, N. A. 1965. The stocks of whales. London: Fishing News (Books) Ltd.

Geographical area(s):

Maher, W. J., & N. J. Willimovsky. 1963. Annual catch of bowhead whales by Eskimos at Pt. Barrow, Alaska 1928-1960. J. Mammal. 44:16-20.

Geographical area(s): BEAU, CHUK

Ecology:
migration

Subsistence Whaling:
subsistence whaling - historic

Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack & J. E. Bird. 1983. Investigations "of the potential effect of underwater noise from petroleum industry activities on migrating gray whale behavior. Rept. no. 5366. Final rept. for period of 7 June 1982 - 31 July 1983 for MMS, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Ecology:
behavior, sounds

Noise:

aircraft, ambient, dredging,
drilling, helicopter, seismic, surface vessels, explosions
Abundance & Distribution:
migration, abundance, distribution
Population Dynamics:
population structure
Long Term Effects:
abandonment of habitat
Biology:
individual identification

Malme, C. I., P. R. Miles, P. Tyack, C. W. Clark, & J. E. Bird. 1985. Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. Rept. no. 5851. Anchorage, AK: MMS, AK OCS Office.

Geographical area(s): NPAC, AK
Ecology:
behavior, feeding
Noise:
ambient, drilling, helicopter
seismic, surface vessels
Biology:
individual identification

Mansfield, A. W. 1972. Occurrence of the bowhead or Greenland right whale, '*Balaena mysticetus*', in Canadian Arctic waters. J. Fish. Res. Board Can. 28:1873-1875.

Geographical area(s): BEAU, NATL
"Abundance & Distribution:
abundance, distribution
Subsistence Whaling:
subsistence whaling - historic
Commercial Whaling:
historic commercial whaling

Marine Mammal Commission. 1979. Annual report of the Marine Mammal Commission, calendar year 1978. Washington, D.C.

Geographical area(s): N/S
Abundance & Distribution:
abundance
Subsistence Whaling:
management

Marquette, W. M. 1976. Bowhead whale field studies in Alaska, 1975. Mar. Fish. Rev. 38(8): 9-17.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:
 subsistence whaling - historic, whaling (recent)
 Abundance & Distribution:
 migration

Marquette, W. M. 1977. The 1976 catch of bowhead whales ('*Balaena mysticetus*') by Alaskan Eskimos, with a review of the fishery, 1973-1976, and a biological summary of 'the species. Processed rept. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center, National Marine Mammal Lab. (7600 Sand Point Way NE, . Seattle 98115).

Geographical area(s): BEAU, BERS, CHUK
 Biology:
 growth
 Abundance & Distribution:
 abundance
 Subsistence Whaling:
 whaling (recent)
 Ecology:
 feeding
 Population Dynamics:
 recruitment, review
 Commercial Whaling:
 historic commercial whaling

Marquette, W. M. 1978a. Bowhead whale, pp.70-81. In: D. Haley, ed., Marine mammals of eastern North Pacific and Arctic waters. Seattle, WA: Pacific Search Press.

Geographical area(s): BEAU, BERS, CHUK
 Ecology:
 behavior, life history, feeding
 Abundance & Distribution:
 abundance, distribution, migration
 Subsistence Whaling:
 whaling (recent)
 Commercial Whaling:
 historic commercial whaling
 Biology:
 morphology

Marquette, W. M. 1978b. "The 1976 catch of bowhead whales, '*Balaena mysticetus*', by Alaskan Eskimos. Mar. Fish. Rev. 40(11): 18-27.

Geographical area(s): ARCT, BEAU, CHUK
 Subsistence Whaling:
 whaling (recent), management

Marquette* W. M. 1979. The 1977 catch of bowhead whales ('*Balaena mysticetus*') by Alaskan Eskimos. Rept. Int. Whaling Comm. 29:281-289.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK

Ecology:

feeding

Subsistence Whaling:

whaling (recent)

- * Marquette, W. M., & J. R. Bockstoe. 1980. Historical shore-based catch of bowhead whales in the Bering, Chukchi, and Beaufort Seas. Mar. Fish. Rev. 42(9-10): 5-19.

Geographical area(s): BEAU, BERS, CHUK

Commercial Whaling:

commercial whaling (historic)

- * Marquette, W. M., & H. W. Braham. 1982. Gray whale distribution and catch by Alaskan Eskimos: A replacement for bowhead whale? Arctic 35(3): 386-394.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

whaling (recent), management

Ecology:

behavior

Population Dynamics:

management

Abundance & Distribution:

distribution

Marquette, W. M., & G. Y. Harry. 1975. Abundance and seasonal distribution of bowhead and beluga whales--Beaufort Sea, northeastern Chukchi Sea, pp.29-34. In: Environmental assessment of the Alaskan continental shelf, vol. 1. Quarterly rept., July-September for NOAA, Naval Ocean Services, Office of Oceanographic and Mar. Serv., Ocean Assessment Div., Juneau, AK.

Geographical area(s): BEAU, CHUK

Abundance & Distribution:

abundance, distribution

Marquette, W. M., H. W. Braham, M. K. Nerini, & R. V. Miller. 1982. Bowhead whale studies, autumn 1980-spring 1981: Harvest, biology and distribution. Rept. Int. Whaling Comm. 32:357-370.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Ecology:

feeding
 Abundance & Distribution:
 distribution
 Subsistence Whaling:
 whaling (recent)
 "Biology:
 physiology
 Population Dynamics:
 recruitment

Martin, K. R. 1976. The whaling museum as a data source for whale population studies: Problems and responsibilities, pp. 369-373. In: Mammals in the seas, vol. 3 {1981}. FAO Fish. Ser. no. 5.

Geographical area(s): NPAC, ARCT
 Commercial Whaling:
 historic commercial whaling
 Population Dynamics:
 review

Martin, L. S., & P. Crowl. 1985. Modification of the explosive device used in the subsistence harvesting of the bowhead whales, 'Balaena mysticetus'. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S, BEAU, BERS, CHUK
 Subsistence Whaling:
 whaling (recent), techniques

Mason, M. 1980. The bowhead whale controversy: Background and aftermath of Adams V. Vance. Harvard Environmental Law R. 2: 363-388.

Geographical area(s): BERS, BEAU, CHUK
 Subsistence Whaling:
 conservation, management, whaling (recent)

Mate, B. R., & J. T. Harvey. 1982.. Feasibility of tracking whales using the ARGOS satellite system. Prepared for AK Environmental Studies Program, Contract no. AA551-CT9-34 through modification #7.

Geographical area(s): NPAC, MEXI, BEAU
 Ecology:
 behavior, techniques
 Abundance & Distribution:
 migration, techniques

Matsuura, Y. 1936. Studies on the right whale, '*Balaena glacialis*' Bonnaterrre, in the adjacent waters of Japan. In Japanese. Botany Zool., Tokyo 4(4): 696-702.

Geographical area(s):

Matthews, L. H., ed. 1975. The whale. NY: Crescent Books.

Geographical area(s): N/S

Biology:

physiology, growth

Subsistence Whaling:

subsistence whaling - historic, whaling (recent)

Ecology:

behavior, sounds

Abundance & Distribution:

distribution, migration

Commercial Whaling:

historic commercial whaling

Mazak, V., & M. Honcu. 1983. A note on a lower jaw of '*Balaena mysticetus*' at the collections of the Ceska Lips Museum, Czechoslovakia: Mammalia, Cetacea. Vestn. Cesk. Spol. Zool. 47(2): 99-104.

Geographical area(s): N/S

Biology:

morphology

Mazzone, D. J. 1983. Conservation Law Foundation vs. James G. Watt. Civil Action re Georges Bank region of the Outer Continental Shelf. United States District Court, District of MA.

Geographical area(s): N/S, GEOB

McAlister, W. B. 1981. Estimates of fish consumption by marine mammals in the eastern Bering Sea and Aleutian Island area. Seattle, WA: NOAA, NMFS, Northwest & AK Fisheries Center, National Marine Mammal Lab. (7600 Sand Point Way, NW).

Geographical area(s): BERS

Ecology:

feeding, ecology

McCartney, A. P. 1980a. Study of archaeological whale bones for the reconstruction of Canadian Arctic bowhead whale stocks and whale use by prehistoric Inuit. Ottawa: "Northern Environmental Protection Branch, DINA.

Geographical area(s): ARCT
Subsistence Whaling:
subsistence whaling - historic

McCartney, A. P. 1980b. The nature of Thule Eskimo whale use. Arctic 33(3): 517-541.

Geographical area(s): ARCT
Subsistence Whaling:
subsistence whaling - historic

McCloskey, M. 1978. The zigzag course of whale quotas. Environ. Pol. Law 4(1): 26-28.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
whaling (recent), management

McNally, R. 1979. Regulators loom in offshore forecast. Petrol. Eng. 51(2): 21-24.

Geographical area(s): BEAU
Effects of Petroleum on Cetaceans

McVay, S. 1973. Stalking the Arctic whale. Am. Sci. 61:24-37.

Geographical area(s):

Medway, W. 1979a. Tissues (structure/function): Cytological and clinical 'evaluation of blood and urine of the bowhead whale, pp.-265-266. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979, prepared for ELM, AK OCS Office, Anchorage AK.

Geographical area(s): N/S
Biology:
histology, physiology

Medway, W. 1979b. Tissues (structure/function): Cytological and clinical-chemical evaluation of the blood and urine of the bowhead whale, pp.417-433. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for' BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): N/S

Biology:
physiology

Medway, W. 1980. Some observations on urine from a bowhead whale. Mar. Fish. Rev. 42(9-10): 91-92.

Geographical area(s): N/S, BEAU

Biology:
physiology

Medway, W. 1981. The cytological and clinical evaluation of blood and urine of the bowhead whale, 'Balaena mysticetus', pp.201-212. In: T. F. Albert, ed. Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:
histology, pathology, physiology

Meek, A. 1918. The reproductive organs of Cetacea. J. Anat. 52:186-210.

Geographical area(s):

Mercer, R. W., D. B. Krogman, & R. M. Sonntag. 1978. Marine mammal data documentation for the Platforms of Opportunity Project and Outer Continental Shelf Environmental Assessment Program. Processed rept. Seattle, WA: NOAA, NMFS, Northwest AK Fisheries Center.

Geographical area(s): N/S

Population Dynamics:
techniques

Biology:
techniques

Migaki, G. 1979a. Tissues (structure/function): Microscopic examination of bowhead and gray whales for changes due to toxic substances and infectious agents, pp.401-415. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, . pathology

Migaki, G. 1979b. Tissues (structure/function): Examination of bowhead whale tissue for changes due to toxic substances, pp.213-225. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979, prepared for the BLM, AK OCS Office, Anchorage AK.

Geographical area(s): N/S, BEAU

Biology:

histology, pathology, physiology

Effects. of Petroleum on Cetaceans:

external contact, ingestion

Migaki, G. 1981. The microscopic examination of the bowhead whale, 'Balaena mysticetus', and the gray whale, 'Eschrichtius robustus' for changes due to toxic substances and infectious agents, pp.173-199. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 1. Final rept. for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:

histology, pathology

Migaki, G., & T. F. Albert. In press. Lipoma in the liver of a bowhead whale. Vet. Path.

Geographical area(s): N/S

Biology:

physiology, histology

Migaki, G., R. A. Heckmann, & T. F. Albert. 1982. Gastric nodules caused by anisakis-type larvae in the bowhead whale, 'Balaena mysticetus'. J. Wildl. Dis. 18(3): 353-358.

Geographical area(s); N/S

Biology:
pathology

Miller, G. S., Jr. 1923. The telescoping of the cetacean skull. *Smithson. Misc. Collect.* 76(5): 1-70.

Geographical area(s): N/S

Biology:
morphology physiology

Ecology:
evolution

Miller, R. V. n. d. The US-USSR Marine Mammal Project, pp.1-4.
In: F. H. Fay & G. A. Fedoseev, eds, *Pinnipeds*, vol. 1 of Soviet - American cooperative research on marine mammals. NOAA Tech. rept. NMFS 12.

Geographical area(s): N/S

Abundance & Distribution:
distribution, abundance

Miller, R. V., J. H. Johnson, & D. J. Rugh. 1984. Notes on the distribution of bowhead whales, '*Balaena mysticetus*', in the western Chukchi Sea, 1979 'co 1982. *Rept. Int. Whaling Comm.* SC/35/PS9.

Geographical area(s): CHUK

Abundance & Distribution:
distribution

Miller, R. V., J. H. Johnson, & N. V. Doroshenko. 1985. Gray whales, '*Eschrichtius robustus*', in the western Chukchi and the east Siberian Seas. *Arctic* 38(1): 58-60.

Geographical area(s): BERS, CHUK, ARCT, USSR

Abundance & Distribution:
distribution

Ecology:
habitat, feeding

Mitchell, E. D. 1973. The status of the world's whales. *Nat. Canada* 2(4): 9-25.

Geographical area(s): N/S

Subsistence Whaling:
conservation, management

Abundance & Distribution:
abundance

Mitchell, E. D. 1974. Present status of northern Atlantic fin and other whale stocks, pp.108-169. In: W. E. Schevill, cd., The whale problem: A status report. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): NATL, US

Subsistence Whaling:

whaling (recent)

Abundance & Distribution:

abundance

Mitchell, E. D. 1977. Initial population size of bowhead whale 'Balaena mysticetus', stocks: Cumulative catch estimates. Int. Whaling Comm. Annual Meeting, June 1977 (SC/29/Dot 33).

Geographical area(s):

Population Dynamics:

review

Commercial whaling:

commercial whaling (historic)

Mitchell, E. D. 1983. Growth layers in hard tissue of balaenid 'Balaena mysticetus', p.68. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November- 1 December 1983, Boston, MA.

Geographical area(s): N/S

Biology:

physiology

Mitchell, E. D., & J. M. Breiwick. 1983. On the minimum population level of 'mysticetus' from which recovery is problematical, p.68. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s):

Population Dynamics:

recruitments review

Mitchell, E. D., & R. R. Reeves. 1980a. The Alaska bowhead problem: A commentary. Arctic 33:686-723.

Geographical "area(s): ARCT, BERS

Subsistence Whaling:

whaling (recent), management

Mitchell, E. D., & R. R. Reeves. 1980b. Overview of aboriginal subsistence whale fisheries and analysis of the Alaskan bowhead problem. Int. Whaling Comm., Annual Meeting, 1980. (SC/32/PS22).

Geographical area(s):
Subsistence Whaling:
subsistence whaling - historic, whaling (recent)

Mitchell, E. D., & R. R. Reeves. 1981. Catch history and cumulative catch estimates of initial population size of cetaceans in the eastern Canadian Arctic. Rept. Int. Whaling Comm. 31:645-682.

Geographical area(s): ARCT, BEAU
Commercial Whaling:
commercial whaling (historic)
Biology

* Mitchell, E. D., & R. R. Reeves. 1982. Factors affecting abundance of bowhead whales ('Balaena mysticetus') in the eastern Arctic of North America, 1915-1980. Biol. Conserv. 22(1): 59-78.

Geographical area(s): ARCT, NATL
Ecology:
habitat
Population Dynamics:
mortality
Subsistence Whaling:
whaling (recent)
Commercial Whaling:
historic commercial whaling

Mitchell, L. E., M. McLaughlin, & A. Fillion. 1979. Migration of bowhead whales, 'Balaena mysticetus', in eastern Canadian Arctic waters, p.40. In: Abstracts, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NATL, CANA
Abundance & Distribution:
migration, distribution
Population Dynamics:
population structure
Biology:
reproduction

Miyazaki, N. 1980. Catch records of cetaceans off the coast of the Kii Peninsula, Japan. Mere. Natl. Sci. Mus. (Tokyo) 13:69-82.

Geographical area(s): NPAC
Abundance & Distribution:
distribution

Monroe, H. 1854. Statistics of the northern whale fisheries, from 1772 to 1852. J. Roy. Statist. Soc. 17:34-42.

Geographical area(s):
Commercial Whaling:
commercial whaling (historic)

Moore, S. E., & D. K. Ljungblad. 1983. Ambient, industrial and biological sounds recorded in the northern Bering, eastern Chukchi and Beaufort Seas during the seasonal migrations of the bowhead whale, 'Balaena mysticetus', 1979-1982, p.70. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): BEAU, BERS, CHUK
Ecology:
sounds
Noise:
ambient

* Moore, S. E., D. K. Ljungblad, & D. R. Schmidt. 1984. Ambient, industrial, and biological sounds recorded in the northern Bering, eastern Chukchi, and Alaskan Beaufort Seas during the seasonal migrations of the bowhead whale ('Balaena mysticetus'), 1979-1982. Final rept. prepared for MMS, Alaska OCS Region. San Diego, CA: SEACO, Inc. (2847 Nimitz Blvd., San Diego, CA 92106).

Geographical area(s): BEAU, BERS, CHUK
Noise:
aircraft, ambient, drilling,
seismic, surface vessels
Ecology:
behavior, sounds

Moore, S. E., J. T. Clarke, & D. K. Ljungblad. 1985. A comparison of gray whale 'Eschrichtius robustus' and bowhead whale 'Balaena mysticetus' distribution, abundance, habitat preference and behavior in the northeastern Chukchi Sea, 1982-1984. In: Abstracts, Sixth Biennial Conference on the Biology of Marine Mammals, 22-26 November 1985, Vancouver, British Columbia. (Submitted for publication, 36th Annual Report, Int. Whaling Comm., SC/37/PS2.)

Geographical area(s): CHUK
 Abundance & Distribution:
 distribution, abundance
 Ecology:
 habitat, behavior

Morgan, L. 1977. A new look at subsistence whaling. Alaska 43(9): 8-10.

Geographical area(s): BEAU, CHUK
 Subsistence Whaling:
 subsistence whaling - historic, management

Morgan, L. 1978a. Early native whaling in Alaska. AK Geogr., Alaska Whales and Whaling 5(4): 45-49.

Geographical area(s): BERS, CHUK, BEAU, ARCT
 Subsistence Whaling:
 subsistence whaling - historic

Morgan, L. 1978b. Modern eskimo whaling. In: AK Geogr., Alaska Whales and Whaling 5(4): 135-143.

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 whaling (recent)

Morris, P. 1972. A review of mammalian age determination methods. Mammal Rev. 2(3): 69-104.

Geographical area(s): N/S
 Biology:
 physiology, techniques

Morris, B. 1982. Potential impacts of geophysical seismic operations on bowhead whales during their fall migration: An information background and discussion. Anchorage, AK: NMFS, AK Region Field Office.

Geographical area(s): BEAU

Noise:

seismic

Abundance & Distribution:

migration

Morris, B. F., & C. Johnson. 1985. Report on 1984 fall field investigation of bowhead whale feeding area in the eastern Beaufort Sea. Anchorage, AK: NMFS.

Geographical area(s): BEAU

Ecology:

feeding

Murdoch, J. 1885. "Natural History", Part IV, pp.89-200. In: Rept. of the International Polar Expedition to Point Barrow, Alaska. Washington, D. C.: GPO.

Geographical area(s): BEAU, CHUK

Abundance & Distribution:

distribution, migration

Commercial Whaling:

commercial whaling (historic)

Biology

Murphy, E. C., & G. H. Jarrell. 1980. Comments on Dots 32/PS8: Projections of a decline in the western Arctic populations of bowhead whales. Int. Whaling Comm., Annual Meeting, 1980 (SC/32/PS27).

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Geographical area(s): ARCT

Abundance & Distribution:

abundance.

- * Murphy, E. C., & G. H. Jarrell. 1983a. Simulation studies of population trends in western Arctic bowhead whales. Rept. Int. Whaling Comm. 33:509-523.

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK

Abundance & Distribution:

abundance

Ecology:

life history

Population Dynamics:

management, mortality, population structure, recruitment

Murphy, E. C., & G. H. Jarrell. 1983b. Simulation studies of population trends in western Arctic bowhead whales. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): N/S
 Abundance & Distribution:
 abundance
 Subsistence Whaling:
 management
 Population Dynamics:
 review, management, mortality,
 population structure, recruitment
 Ecology:
 life history

Nafziger, J.A.R. 1978. The management of marine mammals after the Fisheries Conservation and Management Act. Willamette Law J. (College of Law, Willamette Univ., Salem, OR) 14(2).

Geographical area(s): N/S

Nakashim, L. 1977. Fall whaling in Barrow. Alaska 43(9): 97.

Geographical area(s): BEAU, CHUK
 Subsistence Whaling:
 whaling (recent)

Nasu, K. 1960. Oceanographic investigation in the Chukchi Sea during the summer of 1958. Sci. Rep. Whales Res. Inst. 15:143-158.

Geographical area(s): BEAU, CHUK, BERS
 Ecology:
 habitat
 Subsistence Whaling

National Research Council. 1983. Drilling discharges in the marine environment: Panel on assessment of fates and effects of drilling fluids and cuttings in the marine environment. Nat. Research Council, Comm. on Engineering & Technical Systems, Mar. Board. Washington, D.C.: Nat. Academy Press.

Geographical area(s):
 Contaminants:
 drilling

National Academy of Sciences. 1982. Draft - Petroleum in the marine environment. Washington, D. C.: NAS.

o

Geographical area(s): N/S

Effects of Petroleum on Cetaceans:

avoidance, detection, external contact,
ingestion, inhalation

National Marine Fisheries Service. 1978. Whaling: Taking of bowhead whales by Indians, Aleuts, or Eskimos for subsistence purposes. Federal Register 43 (64), 23883-13887, Apr. 3, 1978.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

managements whaling (recent)

National Marine Fisheries Service. 1979. Taking of bowhead whales by Indians, Aleuts, or Eskimos for subsistence purposes. Federal Register 44 (202), 59911, Oct 17, 1979.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

whaling (recent), management

National Marine Fisheries Service. 1980. Draft proceedings of the interagency meeting to review, coordinate, and plan bowhead whale research, other cetacean research and related research bearing upon the conservation and protection of endangered marine species in Alaska and elsewhere, 12-14 November 1980, Seattle, WA. BLM, Marine Mammal Commission.

Geographical area(s): N/S, BEAU, BERS, CHUK

Biology

Population Dynamics

Noise

Effects of Petroleum on Cetaceans

National Oceanic & Atmospheric Administration. 1975a. Annual report 1974-75, Marine Mammals Protection Act of 1972. Washington, D.C.: NOAA, NMFS.

Geographical area(s): N/S

Subsistence Whaling:

management, whaling (recent)

Abundance & Distribution:

abundance

National Oceanic & Atmospheric Administration. 1975b.

Marine mammal summary, pp.21-36. In: Environmental assessment of the Alaskan continental shelf, Annual reports summary. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s): BEAU, CHUK, BERS, GOAK
Population Dynamics
Biology

National Oceanic & Atmospheric Administration. 1976. Marine mammals. In: Environmental assessment of the Alaskan continental shelf, vol. 1. Annual rept. of principal investigators. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Mar. Serv., Ocean Assess. Div.

Geographical area(s): BEAU, BERS, CHUK, GOAK
Biology
Population Dynamics

National Oceanic & Atmospheric Administration. 1977a.

Final environmental impact statement: International Whaling Commission's deletion of native exemption for the subsistence harvest of bowhead whales. C 55.328-W 55/v.1-2. NOAA, NMFS, Office of Fisheries.

Geographical area(s): ARCT, BEAU, BERS, CHUK
Subsistence Whaling:
whaling {recent}, management

National Oceanic & Atmospheric Administration. 1977b.

International Whaling Commission's deletion of native exemption for the subsistence harvest of bowhead whales. NOAA report, Ott 77, VI (247).

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
whaling (recent), management
Ecology:
habitat, ecology

National Oceanic & Atmospheric Administration. 1977c.

International Whaling Commission's deletion of native exemption for the subsistence harvest of bowhead whales: Appendices. Vol. 2 of NOAA Report. October 1977.

Geographical area(s): BEAU, BERS, CHUK
Subsistence Whaling:
whaling (recent)

Abundance & Distribution:
abundance

0

National Oceanic & Atmospheric Administration. 1977d. Marine mammals. In: Environmental assessment of the Alaskan continental shelf, vol. 1. Annual repts. of principal investigators. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Mar. Serv., Ocean Assessment Div.

Geographical area(s): BEAU, BERS, CHUK, GOAK
Biology
Population Dynamics

National Oceanic & Atmospheric Administration. 1978a. Bowhead whales: A special report to the International Whaling Commission. Washington, D.C.: NOAA.

Geographical area(s): ARCT, BEAU, BERS, CHUK
Population Dynamics:

management, mortality, distribution

Subsistence Whaling:

whaling (recent)

Abundance & Distribution:

abundance, distribution, migration

National Oceanic & Atmospheric Administration. 1978b. Marine mammals, birds. In: Environmental assessment of the Alaskan continental shelf, vol. 1. Annual repts. of principal investigators. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Mar. Serv., Ocean Assessment Div.

Geographical area(s): BEAU, BERS, CHUK, GOAK
Biology
Population Dynamics

National Oceanic & Atmospheric Administration. 1978c. The Marine Mammal Protection Act of 1972 annual report: 1 April 1977 to 31 March 1978. NOAA Report, Jun 78.

Geographical area(s): "N/S
Subsistence Whaling:
management

National Oceanic & Atmospheric Administration. 1978d. Whaling: Current schedule of the International Whaling Commission. Federal Register 43 (46): 9481-9487 (Mar 8, 1978).

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:
whaling (recent), management

National Oceanic & Atmospheric Administration. 1979a.
International Whaling Commission's deletion of the native
exemption for the subsistence harvest of bowhead whales.
3 leaves C 55.328-W 55/final/draft supp/X.

Geographical area(s):
Subsistence Whaling:
whaling (recent)

National Oceanic & Atmospheric Administration. 1979b.
International Whaling Commission's deletion of native
exemption for the subsistence harvest of bowhead whales.
Final supplement to the final environmental impact statement.
15 leaves; C 55.328-W55/final/supp/X.

Geographical area(s):
Subsistence Whaling:
whaling (recent), management

National Oceanic & Atmospheric Administration. 1984. OCS
comprehensive bibliography. Juneau, AK: NOAA, Nat. Ocean
Serv., Office Oceanography & Marine Serv., Ocean
Assessment Div.

Geographical area(s): BEAU, BERS, CHUK, NPAC, GOAK
Subsistence Whaling:
subsistence whaling - historic
Abundance & Distribution:
abundance, distribution, migration
Ecology:
life history, habitat, feeding,
behavior
Commercial Whaling:
historic commercial whaling

- * Naval Arctic Research Laboratory. 1979. Investigation of the
occurrence and behavior patterns of whales in the vicinity of
the Beaufort Sea Lease Area. Final rept. for the period
1 October 1978 through 30 November 1979 prepared for the
BLM, AK OCS Office, Anchorage, AK.

Geographical area(s): BEAU, CHUK, BERS, N/S
Biology:
histology, pathology, physiology
Abundance & Distribution:
abundance, distribution, migration

Ecology:
 feeding, sounds
 Subsistence Whaling:
 whaling (recent)
 Effects of Petroleum on Cetaceans:
 ingestion

Nelson. 1969. Hunters of the northern ice. Chicago: Univ. Chicago Press.

Geographical area(s): CHUK
 Subsistence Whaling:
 whaling (recent)

Nemoto, T. 1957. Foods of baleen whales in the northern Pacific. Sci. Rep. Whales Res. Inst. 12:33-89.

Geographical area(s): BERS, BEAU, CHUK, NPAC, GOAK, ANTA
 Ecology:
 feeding, habitat
 Biology:
 physiology

Nemoto, T. 1959. Food of baleen whales with reference to whale movements.. Sci. Rep. Whales Res. Inst. 14:149-282.

Geographical area(s): NPAC, CHUK, BERS, BEAU, ATLA, N/S
 Ecology:
 feeding, behavior
 Abundance & Distribution:
 migration
 Biology:
 morphology, physiology

Nemoto, T. 1970. Feeding patterns of baleen whales in the ocean, pp.241-252. In: J. H. Steele, cd., Marine food chains. Berkeley: Univ. CA Press.

Geographical area(s): N/S
 Ecology:
 feeding, behavior
 Biology:
 physiology

Nerini, M. K. 1985. Photogrammetric studies on length frequency of bowhead whales, 'Balaena mysticetus', in the Beaufort Sea. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU

Biology:
 individual identification, techniques
 Population Dynamics:
 population structure, recruitment

Nerini, M. K., H. W. Braham, W. M. Marquette & D. J. Rugh.
 1983a. Some aspects of reproduction in the bowhead whale
 ('Balaena mysticetus'). Rept. Int. Whaling Comm. Dec. SC/34/
 PS7.

Geographical area(s): BERS, BEAU, CHUK
 Ecology:
 life history
 Biology:
 reproduction

Nerini, M. K., H. W. Braham, W. M. Marquette, & D. S. Rugh.
 1983b. Some aspects of reproduction and age determination in
 the bowhead whale. In: T. F. Albert, ed., Second Conference
 on the Biology of the Bowhead Whale, 'Balaena mysticetus',
 7-9 March 1983, Anchorage, AK.

Geographical area(s): N/S, ARCT
 Biology:
 physiology
 Ecology':
 life history

* Nerini, M. K., H. W. Braham, W. M. Marquette, & D. S. Rugh.
 1984. Life history of the bowhead whale, 'Balaena mysticetus'
 (Mammalia: Cetacea). J. Zool., London, 204:443-468.

Geographical area(s): N/S, ARCT, BEAU, BERS, CHUK
 Biology:
 growth
 Population Dynamics:
 mortality
 Ecology:
 life history

Newbury, T. K. 1979. Possible accumulation of heavy metals
 around offshore oil production facilities in the Beaufort
 Sea. Arctic 32(1): 42-45.

Geographical area(s): BEAU, N/S
 Effects of Petroleum on Prey
 Contaminants:
 trace metals

Nikulin, P. G. 1946. O raspredelenii kitoobraznykh v moryakh, omyvayushchikh Chukotskiy poluostrov [Distribution of cetaceans in seas surrounding the Chukchi Peninsula]. Izv Tikhookean. Nauchno-issled. Inst. Rybn. Khos. Okeanogr. (TIRNO) 22:255-257. (Transl. by U.S. Naval Oceanographic Office, Washington, D.C., Transl. 428.)

Geographical area(s): CHUK
Biology
Abundance & Distribution:
distribution, abundance

Nishiwaki, M. 1982. The mandible of bowhead in Katmandu, Nepal. Sci. Rep. Whales Res. Inst. 34:49-58.

Geographical area(s):
Biology:
anatomy

Nishiwaki, M., & T. Kasuya. 1970. A Greenland right whale caught at Osaka Bay. Sci. Rep. Whales Res. Inst. 22:45-66.

Geographical area(s): NPAC
Biology:
morphology, anatomy, histology

Nishiwaki, M., & A. Sasao. 1977. Human activities disturbing natural migration routes of whales. Sci. Rep. Whales Res. Inst. 29:113-120.

Geographical area(s): NPAC, JAPA
Long Term Effects:
disturbance, changes in migration
Noise:
surface vessels

Norris, J. C., & S. Leatherwood. 1981. Hearing in the bowhead whale, 'Balaena mysticetus', as estimated by cochlear morphology, pp.745-787. In: T. F. Albert, ed., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ MD.

Geographical area(s): N/S
Biology:
histology, physiology

Norris, K. S., ed. 1977. Whales, dolphins, and porpoises.
Berkeley and Los Angeles, CA: Univ. CA Press.

Geographical area(s): N/S

Biology:

morphology, physiology, reproduction

Ecology:

sounds, behavior

Norris, K. s. 1979. Why we don't manage marine mammals very well and what we might do about it, pp.71-76. In: Marine Sciences and Ocean Policy Symposium, June 1979, Univ. CA Santa Barbara.

Geographical area(s): BERS, BEAU, CHUK

Subsistence Whaling:

management

North Slope Borough. 1980a. Bowhead in Norton Sound raise controversy: Extension of whale domain challenges oil prospects. Arct. Cstl. Zone Man. Newsl. 28:11-12.

Geographical area(s):

North Slope Borough. 1980b. Barrow celebrates successful bowhead season: Whalers counter NMFS offensive. Arct. Cstl. Zone Man. Newsl. 30:1-6.

Geographical area(s):

North Slope Borough. 1980c. OCSEAP studies cite new hazards. Arct. Cstl. Zone Man. Newsl. 27:10.

Geographical area(s):

Ohsumi, s. 1979. Interspecies relationships among some biological parameters in cetaceans and estimation of the natural morality coefficient of the southern hemisphere minke whale. Rept. Int. Whaling Comm. 29:397-406.

Geographical area(s):

Oktollik, J. 1985. The bowhead whale, 'Balaena mysticetus', management plan of the Alaska Eskimo Whaling Commission. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:

whaling (recent), management

Oliver, G. W. 1981. OCSEAP Marine Mammal Programs: A review and projections for the future, p.88. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

abundance, distribution

Ecology:

feeding

Oliver, G. W. 1982. NOAA/OCS Environmental Assessment Program bowhead whale research - 1982-1983. Unpubl. ms.

Geographical area(s): BEAU, BERS

Abundance & Distribution:

abundance, distribution

Omura, H. 1971. A comparison of the size of vertebrae among some species of the baleen whales with special reference to whale movements. Sci. Rep. Whales Res. Inst. 23:61-69.

Geographical area(s): N/S

Biology:

morphology, physiology

Abundance & Distribution:

m i g r a t i o n

Ecology:

behavior

Overton, E., C. Bryne, J. McFall, & S. Antoine. 1985. Tissue levels of trace organic and heavy metal pollutants in subsistence harvested bowhead whales, 'Balaena mysticetus'. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage., AK.

Geographical area(s): N/S, BEAU, BERS, CHUK

Biology:

histology

Contaminants:

trace metals

Payne, R. S. 1977. A note on harassment.

Geographical area(s): N/S

Noise :
 surface vessels
 Long Term Effects:
 disturbance, abandonment of habitat

Pike, G. 1956. Guide to the whales, porpoises and dolphins of the north-east Pacific and Arctic waters of Canada and Alaska. Fish. Res. Board Can. Circular no. 32.

Geographical area(s): NPAC, BERS, CHUK, BEAU
 Biology:
 morphology
 Ecology:
 strandings

Pivorunas, A. 1976. A mathematical consideration of the function of baleen plates and their fringes. Sci. Rep. Whales Res. Inst. 28:37-55.

Geographical area(s): N/S
 Biology:
 morphology physiology
 Ecology:
 feeding

Pivorunas, A. 1979. The feeding mechanisms of baleen whales. Am. Sci. 67:432-440.

Geographical area(s):

Plisnier-Ladame, F., & G. Quinet. 1969. Balaenia-Belgica Cetaceae of the Merxemian of Antwerp. Bull. Inst. R. Sci. Nat. Belg. 45(3): 1-6.

Geographical area(s): NATL
 Biology:
 morphology

Polunin, N. 1978. Bowhead and sperm whale quota see-saws. Envir. Conserv. 5(1): 68.

Geographical area(s): ARCT
 Subsistence Whaling:
 whaling (recent), management

Powell, B. A. 1976. Letter to R. W. Dickieson. U.S. Dept. of Navy, Naval Undersea Center, San Diego, CA.

Geographical area(s): N/S

Noise:

surface vessels, disturbance

Population Dynamics:

mortality

Rainey, F. G. 1940. Eskimo method of capturing bowhead whales. *Y. Mammal.* 21:362.

Geographical area(s): CHUK

Ecology:

behavior

Abundance & Distribution:

abundance

Subsistence Whaling:

whaling (recent), subsistence whaling - historic

Rainey, F. G. 1947. The whale hunters of Tigara. *Am. Mus. Nat. Hist. Anthropol. Papers* 41 (pt. 2):231-283.

Geographical area(s): CHUK

Biology

Subsistence Whaling:

subsistence whaling - historic

Randley, K. 1979. Barrow Inuit and the whale. *Orca* 1(1):7-10.

Geographical area(s): BEAU, CHUK

Subsistence Whaling:

subsistence whaling - historic, whaling (recent), management

Ray, D. J. 1975. The Eskimos of Bering Strait, 1650-1898. Seattle, WA.: Univ. WA Press.

Geographical area(s): BERS, CHUK

Subsistence Whaling:

subsistence whaling - historic

Ray, G. C. 1982a. Application of remote sensing towards assessment of bowhead whales, '*Balaena mysticetus*', and their habitat. Proceedings; First Conference on the Biology of the Bowhead Whale '*Balaena mysticetus*': Population Assessment, 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.'

Geographical area(s): N/S

Ecology:

techniques

Population Dynamics:

techniques

Ray, G. C. (Chairman of Discussion Group). 1982b. A consideration of remote sensing techniques as aides in studying the bowhead whale, 'Balaena mysticetus'. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment. 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): N/S

Biology:
techniques

Population Dynamics:
techniques

Ray, G. C. 1983. Strategies for conservation of marine mammal critical habitat, p.84. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S

Ecology:
habitat

Subsistence Whaling:
management

Ray, G. C. 1985. The use of remote sensing for the evaluation of marine mammal habitats in arctic waters--An update. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Ecology:
techniques, habitat

Ray, G. C., D. Wartzok, & G. Taylor. 1981. Productivity and behavior of cetaceans as determined from remote sensing. Symposium on Cetacean Reproduction: Estimating Parameters for Stock Assessment and Management, 2 Nov - 7 Dec 1981.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Biology

Abundance & Distribution:
distribution

Population Dynamics:
population structure, recruitment

Ray, G. C., D. Wartzok, & G. Taylor. 1984. Productivity and behavior of bowheads, 'Balaena mysticetus', and white whales, 'Delphinapterus leucas', as determined from remote sensing. Rept. Int. Whaling Comm. Special Issue no. 6.

Geographical area(s): ARCT, NPAC, BEAU, CHUK

Ecology:

behavior

Abundance & Distribution:

distribution

Population Dynamics:

population structure

Ray, G. C., & R. V. Miller. 1982. Critical habitats of marine mammals. Int. Count. for the Explor. Sea, Marine Mammals Committee. C. M. 1982/N:7.

Geographical area(s): N/S

Ecology:

habitat

Subsistence Whaling:

management

Ray, G. C., & D. Wartzok. 1974. Bering Sea marine mammal experiment. TM X-62. NASA, Ames Research Center, Moffett Field, CA.

Geographical area(s):

Ray, G. C., & D. Wartzok. 1975. Besmex: Bering Sea marine mammal experiment. NASA-TM-X-62399. NASA, Ames Research Center, Moffett Field, CA 94035. Sci. Tech. Aerosp. Rep. 13(4): 453.

Geographical area(s): BERS

Ecology:

habitat, techniques

Ray, G. C., & D. Wartzok. 1976. Analysis of marine mammal 1 remote sensing data, pp.3-56. In: Environmental assessment of the Alaskan continental shelf, annual reports. Juneau, AK: NOAA, Nat. Ocean Serv., Office of Oceanography & Marine Serv., Ocean Assessment Div.

Geographical area(s):

Population Dynamics:

techniques

Abundance & Distribution:

distribution

Ray, P. H. 1885. "Narrative" and "Ethnographic sketch of the natives of Pt. Barrow", pp.19-88. In: Report of the International Polar Expedition to Point Barrow, Alaska, in response to the resolution of the House of Representatives of December 1884. House rept., 48th Congress, 2nd sess., Executive Dec. 44. Washington, D.C.: GPO.

Geographical area(s): CHUK, BEAU
 Subsistence Whaling:
 subsistence whaling - historic
 Commercial Whaling:
 historic commercial whaling

- * Reed, M., A. E. Bowles, E. L. Anderson, S. Leatherwood, M. Spalding, K. Jayko, H. Winn, & J. Geraci. 1984. Feasibility of dynamic models of the interaction of potential oil spills with bowhead and gray whales in the Bering, Chukchi and Beaufort Seas. Unpubl. rept. for MMS, AK 'Regional Office, Anchorage, AK, Contract no. 14-12-0001-30076. Wakefield, RI: Applied Science Assoc., Inc. (529 Main Street, Wakefield, RI 02879) .

Geographical area(s): ARCT, BEAU, BERS, CHUK
 Ecology:
 behavior
 Effects of Petroleum on Cetaceans:
 models
 Probability of Oil Spill Encounter:
 models
 Population Dynamics:
 models, review
 Commercial Whaling:
 commercial whaling (historic)
 Abundance & Distribution:
 distribution, migration

Reed, M., K. Jayko, A. E. Bowles, S. Leatherwood, E. L. Anderson, & H. E. Winn. 1985. Computer simulation of bowhead whale, 'Balaena mysticetus', migration pathways. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU, BERS, CHUK
 Abundance & Distribution:
 migration
 Probability of Oil Spill Encounter

Reeves, R. R. 1980. Spitsbergen bowhead stock: A short review. Mar. Fish. Rev. 42(9-10): 65-69.

Geographical area(s): ARCT, NATL, GRDL

Population Dynamics:

review, stock assessment

Commercial Whaling:

commercial whaling (historic)

Reeves, R., & D. K. Ljungblad. 1983. Preliminary findings of bowhead whale/seismic vessel monitoring program for the fall of 1982. In: T. F. Albert, ed., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

behavior

Noise:

seismic

- * Reeves, R., D. Ljungblad, & J. T. Clarke. 1983a. Report on studies to monitor the interaction between offshore geophysical exploration activities and bowhead whales in the Alaskan Beaufort Sea, fall, 1982. Prepared for MMS, AK OCS Region, under Interagency Agreement no. 41-21-0001-29063.

Geographical area(s): BEAU

Noise:

seismic, surface vessels, aircraft

Ecology:

behavior

Abundance & Distribution:

distribution

Reeves, R., E. Mitchell, A. Mansfield, & M. McLaughlin. 1983b. Distribution and migration of the bowhead whale, 'Balaena mysticetus', in the eastern North American Arctic. Arctic 36(1): 5-64.

Geographical area(s): ARCT, BEAU

Subsistence Whaling:

management

Population Dynamics:

review, management

Commercial Whaling:

historic commercial whaling

Renaud, W. E., & R. A. Davis. 1981. Aerial surveys of bowhead whales and other marine mammals off the Tuktoyaktuk Peninsula, N.W.T., August-September 1980. Unpubl. rept. for Dome Petroleum Ltd., Calgary. Toronto: LGL Ltd.

Geographical area(s): BEAU

Abundance & Distribution:

abundance, distribution

Reyersbach de Haan, F. W. 1957. Hearing in whales. Acts
Oto-larungologica Supplementum 134. From Univ. Utrecht
Otolaryngological Dept.

Geographical area(s): N/S

Biology:

physiology anatomy

Rice, D. W. 1974. Whales and whale research in the eastern
North Pacific, pp.170-195. In: W.E. Schevill, cd., The whale
problem: A status report. Cambridge, MA: Harvard Univ. Press.

Geographical area(s): BEAU, BERS, CHUK, NPAC, NPAC

Abundance & Distribution:

abundance, distribution

Subsistence Whaling:

whaling (recent)

Rice, D. W. 1977. A list of marine mammals of the world.
NOAA Tech. Rept. NMFS SSRF - 711. NOAA, NMFS.

Geographical area(s): N/S

Biology:

taxonomy

Abundance & Distribution:

distribution

Richardson, W. J., ed. 1981. Behavior, disturbance responses
and feeding of bowhead whales in the Beaufort Sea, 1980.
Unpubl. rept. for BLM, Washington, D. C., Contract no. AA-851-
CT0-44. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Ecology:

behavior, feeding

Noise:

aircraft, dredging, drilling,

seismic, surface vessels

Richardson W. J., ed. 1982. Behavior, disturbance responses
and feeding of bowhead whales, 'Balaena mysticetus', in the
Beaufort Sea, 1980-81. Unpubl. rept. for BLM, WashingEon,
D. C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Ecology:

behavior, feeding

Noise:

aircraft, dredging, drilling,
seismic, surface vessels
Abundance & distribution:
distribution

Richardson, W. J., ed. 1984. Behavior, disturbance responses and distribution of bowhead whales, '*Balaena mysticetus*', in the eastern Beaufort Sea, 1983. Unpubl. rept. for BLM, Washington, D.C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU
Abundance & Distribution:
distribution
Ecology:
behavior, feeding, habitat,
sounds
Noise:
aircraft, dredging, drilling,
seismic, surface vessels

- * Richardson, W. J., ed. 1985a. Behavior, disturbance responses and distribution of bowhead whales, '*Balaena mysticetus*', in the eastern Beaufort Sea, 1980-84. For MMS, Reston, VA, Contract no. 14-12-0001-29051. Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical "area(s): BEAU, CANA
Ecology:
behavior, feeding, habitat,
sounds
Abundance & Distribution:
distribution
Noise:
aircraft, surface vessels, drilling,
dredging, helicopter, disturbance, seismic

Richardson, W. J. 1985b. Observations on the behavior of the bowhead whale, '*Balaena mysticetus*', in relation to offshore industrial activity in the Beaufort Sea. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU
Ecology:
behavior
Noise:
aircraft, helicopter, dredging,
drilling, seismic, surface vessels

Richardson, W. J. 1985c. Observations on the behavior of the bowhead whale, '*Balaena mysticetus*', on the summering grounds in the Canadian Beaufort Sea while in the presence of operating seismic exploration vessels. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

behavior

Noise:

seismic, surface vessels

Richardson, W. J., & M. A. Fraker. 1981. Project rationale and design, pp.1-20. In: W. J. Richardson cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1980. Chapter by New York Zool. Soc. Unpubl. rept. for BLM, Washington, D.C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Ecology:

behavior, feeding

Noise:

aircraft, dredging, drilling,

seismic, surface vessels

Richardson, W. J., & M. A. Fraker. 1982. Project rationale, design and summary. In: W. J. Richardson, ed., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1980-81. Unpubl. rept. for BLM, Washington, D.C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Ecology:

behavior, sounds, feeding

Noise:

aircraft, dredging, drilling,

surface vessels

- * Richardson, W. J., & B. Wursig. 1984. Project rationale: A design and summary, 1983, pp.1-22. In: W. J. Richardson, cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1983. Unpubl. rept. for MMS, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Ecology:

behavior, feeding

Noise:

aircraft, dredging, drilling,

seismic, surface vessels

Abundance & Distribution:

distribution

Long Term Effects

Biology:

individual identification

- * Richardson, W. J., C. R. Greene, J. P. Hickie, & R. A. Davis.
1983a. Effects of offshore petroleum operations on cold water marine mammals: A literature review. Prepared for American Petroleum Inst., Environmental Affairs Dept., Washington, D.C.

Geographical area(s): N/S

Effects of Petroleum on Cetaceans:

avoidance, detection, external contact,
ingestion, inhalation

Contaminants:

drilling muds

Noise:

aircraft, helicopter, dredging,
explosions, surface vessels, seismic

Ecology:

sounds, behavior

Long Term Effects:

disturbance, changes in migration

- Richardson* W. J., R. A. Davis, C. R. Evans, & P. Norton.
1983b. Distribution of bowheads and industrial activity 1980-82. In: W. J. Richardson, cd., Behavior, disturbance responses and distribution of bowhead whales, 'Balaena mysticetus', the eastern Beaufort sea, 1982. Draft rept. for MMS, Reston, VA. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Abundance & Distribution:

distribution

Noise:

aircraft, drilling, dredging,
seismic, surface vessels

- Richardson, W. J., M. A. Fraker, B. Wursig, & R. S. Wells.
1983c. Observations on the behavior of bowhead whales in the Canadian Beaufort Sea in the presence of marine industrial activities. In: T. F. Albert, cd., Second Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March 1983.

Geographical area(s): ARCT, BEAU

Ecology:

behavior

Noise:

aircraft, surface vessels, seismic,

dredging, drilling

- * Richardson, W. J., P. Norton, & C. R. Evans. 1984a.
Distribution of bowheads and industrial activity, 1983, pp. 309-361. In: W. J. Richardson, ed., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1983. Unpubl. rept. for MMS, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU
Ecology:
 habitat
Noise:
 aircraft, dredging, drilling,
 seismic, surface vessels
Long Term Effects
Abundance & Distribution:
 distribution
- * Richardson, W. J., R. S. Wells, & B. Wursig. 1984b.
Disturbance responses of bowheads, pp. 101-215. In: W. J. Richardson, ed., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort sea, 1983 Unpubl. rept. for MMS, Washington, D. C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU
Ecology:
 behavior
Noise:
 aircraft, helicopter, dredging,
 drilling, seismic, surface vessels
- * Richardson, W. J., C. R. Greene, & B. Wursig. 1985a. Project rationale and design, pp. 1-11. In: W. J. Richardson ed., Behavior, disturbance responses and distribution of bowhead whales, 'Balaena mysticetus', in the eastern Beaufort Sea, 1980-84. Prepared for MMS, Reston, VA, Contract no. 14-12-0001-29051.

Geographical area(s): BEAU, CANA
Ecology:
 behavior, techniques
Noise:
 aircraft, dredging, drilling,
 surface vessels
Abundance & Distribution:
 distribution

- * Richardson, W. J., R. A. Davis, C. R. Evans, & P. Norton. 1985b. Distribution of bowheads and industrial activity, 1980-84, pp.255-306. In: W. J. Richardson, cd., Behavior, disturbance responses and distribution of bowhead whales, 'Balaena mysticetus', in the eastern Beaufort Sea, 1980-84. Prepared for MMS, Reston, VA, Contract no. 14-12-0001-29051. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU, CANA, ARCT

Long Term Effects:

abandonment of habitat

Noise:

aircraft, dredging, drilling,
seismic, surface vessels, helicopter

Ecology:

habitat

Abundance & Distribution:

distribution

- * Richardson, W. J., R. S. Wells, & B. Wursig. 1985c. Disturbance responses of bowheads, 1980-84, pp.89-196. In: W. J. Richardson, cd., Behavior, disturbance responses and distribution of bowhead whales, 'Balaena mysticetus', in the eastern Beaufort Sea 1980-84. Prepared for MMS, Reston, VA., Contract no. 14-12-0001-29051. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU, CANA, AK

Ecology:

behavior, sounds, techniques

Noise:

disturbance, aircraft, dredging,
drilling, helicopter, seismic, surface vessels

Biology:

physiology

- * Richardson, W. J., M. A. Fraker, B. Wursig, & R. S. Wells. 1985d. Behavior of bowhead whales, 'Balaena mysticetus', summering in the Beaufort Sea: Reactions to industrial activities. Biol. Conserv. 32:195-230.

Geographical area(s): BEAU, ARCT

Ecology:

behavior

Noise:

aircraft, ambient, dredging,
drilling, seismic

Ridgeway, S. H. 1972. Mammals of the sea: Biology and medicine. Springfield, MA: C. C. Thomas.

Geographical area(s): NPAC, BERS, CHUK, BEAU

Ecology:
 feeding, life history, behavior
 Abundance & Distribution:
 abundance, distribution

Ridgway, S. H. 1981. Some brain morphometrics of the bowhead whale, pp.837-844. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S
 Biology:
 histology, morphology, physiology

Rosenblatt, N. M. 1979. The federal trust responsibility and Eskimo whaling. Boston Coll. Environ. Aff. Law Rev. 7(3): 505-544.

Geographical area(s): ARCT, BEAU, BERS, CHUK, NPAC
 Subsistence Whaling:
 management, whaling (recent)

* Ross, W. G. 1979. The annual catch of Greenland (bowhead) whales in waters north of Canada, 1719-1915: A preliminary compilation. Arctic 32:91-121.

Geographical area(s): ARCT, BEAU, BERS, CHUK, GRLD
 Commercial Whaling:
 commercial whaling (historic)
 Population Dynamics:
 review

Rovnin, A. A. 1970. Distribution of whales in the northern and central Pacific. Dissertation abstract, Vladivostok.

Geographical area(s): NPAC, OKHO
 Ecology:
 behavior
 Abundance & Distribution:
 distribution, migration
 Biology:
 morphology reproduction

Rowntree, V. 1983. Observations on feeding and distribution of whale-lice, 'Cyamidae', p.88. In: Abstracts, Fifth Biennial Conference on the Biology of Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S

Biology:

pathology

Rugh, D. J. 1985. Photographic identification of individual bowhead whales, 'Balaena mysticetus'. In: T. "F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus, 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU

Biology:

individual identification

Rugh, D. J., & J. C. Cabbage. 1980. Migration of bowhead whales-past Cape Lisburne, Alaska. Mar. Fish. Rev. 42(9-10): 46-51.

Geographical area(s): CHUK

Ecology:

behavior

Abundance & Distribution:

migration

Rushing, K. K. 1978. The bowhead or the Eskimo: Must we choose? Natl. Parks Conserv. Msg. 52(9): 10-14.

Geographical area(s): ARCT

Subsistence Whaling:

whaling (recent), management"

Ruud, J. T. 1945. Further studies on the structure of the baleen plates and their application to age determination. Nor. Hvalfangst Tid. 8(6): 120-171.

Geographical-area(s): N/S

Biology:

physiology, techniques

Ryan, P. R. 1978. Marine mammals: A guide for readers. Oceanus 21(2): 9-16.

Geographical area(s): N/S

Subsistence Whaling:

managements whaling (recent)

Saario, D. J., & B. Kessel. 1966. Human ecological investigations at Kivalina, PP.969-1039. In: N. J. Wilimovsky, & J. N. Wolfe, eds., Environment of the Cape Thompson region, Alaska. Oak Ridge, TN: U. S. Atomic Energy Commission. (Avail. from NTIS, Springfield, VA).

Geographical area(s): CHUK
 Subsistence Whaling:
 subsistence whaling - historic

Sabo, G., III. 1981. Thule culture adaptations on the south coast of Baffin Island, N.W.T. Ph.D. dissertation, Michigan St. Univ., East Lansing, MI.

Geographical area(s): ARCT, GRLD
 Population Dynamics:
 review
 Ecology:
 habitat
 Subsistence Whaling:
 subsistence whaling - historic

Sabo, G., III, & J. D. Jacobs. 1980. Aspects of Thule culture adaptations in southern Baffin Island, Canada. Arctic 33: 487-504.

Geographical area(s): ARCT, NATL
 Subsistence Whaling:
 subsistence whaling - historic
 Ecology:
 habitat

* Scammon, C. M. 1874. The marine mammals of the northwestern coast of North America; described and illustrated, together with an account of the American whale-fishery. San Francisco: John H. Carmany. Reprint. New York: Dover, 1968.

Geographical area(s): BEAU, BERS, CHUK, NPAC
 Ecology:
 behavior
 Abundance & Distribution:
 distribution, review, migration
 Subsistence Whaling:
 subsistence whaling - historic
 Biology:
 physiology, morphology
 Commercial Whaling:
 historic commercial whaling

Schafer, H. A., G. P. Hershelman, D. R. Young, & A. H. Mearns.
1983. Contaminants in ocean food-webs, pp.17-28. In: W.
Bascom, cd., Coastal Water Research Project: Biennial report
for the years 1981 - 1982. Long Beach, CA: Southern CA Coastal
Water Research Project.

Geographical area(s): NPAC, CA, N/S

Biology:

techniques

Contaminants:

trace metals, mercury

Scheffer, V. B. 1975. The status of whales. Pac.
Discovery 29(1): 3-8.

Geographical area(s): N/S

Population Dynamics:

review, management

Abundance & Distribution:

abundance

Subsistence Whaling:

management, whaling (recent), conservation

Scheffer, V. B. 1978. Introduction: Alaska's whales. AK
Geogr., Alaska Whales and Whaling 5(4): 5-14.

Geographical area(s): NPAC, ARCT

Population Dynamics:

management

Ecology:

life history. behavior

Subsistence Whaling:

whaling (recent)

Commercial Whaling:

historic commercial whaling

Schevill, W. E. Underwater sounds of cetaceans.

Geographical area(s): N/S

E c o l o g y :

sounds

Schevill, W. E., C. Ray, K. W. Kenyon, R. T. Orr, &
R. G. Van Gelder. 1967. Immobilizing drugs lethal to
swimming mammals. Science 157:630-631.

Geographical area(s): N/S

Biology:

physiology

Schledermann, P. 1976. The effect of climatic ecological changes on the style of Thule Greenland culture winter dwelling. *Arct. Alp. Res.* 8(1): 37-47.

Geographical area(s): NATL, ARCT, GRLD

Long Term Effects:

abandonment of habitat

Subsistence Whaling:

subsistence whaling - historic

Ecology:

habitat

Abundance & Distribution:

distribution

Science Applications, Inc. 1980. Environmental assessment of the Alaskan continental shelf: Comprehensive bibliography. Prepared for NOAA, Marine Pollution Assessment. Boulder, CO: SAI.

Geographical area(s):

Scoresby, W., Jr. 1810. Account of the 'Balaena mysticetus', or Great Northern or Greenland Whale. *Mere. Wern. Nat. Hist. Soc.* 1:578-586.

Geographical area(s):

- * Scoresby, W., Jr. 1820. An account. of the Arctic regions, with a history and description of the northern whale-fishery. Edinburgh: Archibald Constable. Reprint. Newton Abbot, Devon, England: David & Charles, 1969.

Geographical area(s): ARCT, GRLD, BERS

Commercial Whaling:

commercial whaling <historic>

Abundance & Distribution:

abundance, distribution, review

Ecology:

behavior, feeding

Biology:

taxonomy

Sease, J. L. 1985. Cruise report.: Soviet-American walrus research cruise on the ZRS Zakharovo, Bering Sea, 14 November to 17 December 1984. Fairbanks, AK: Univ. AK, Dept. Wildlife & Fish.

Geographical area(s): BERS, CHUK

Abundance & Distribution:

distribution

Sergeant, D. 1979. Seasonal movements and numbers of cetaceans summering in Lancaster sound, Arctic Canada, p.52. In: **Abstracts**, Third Biennial Conference on the Biology of Marine Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): ARCT, CANA
Abundance & Distribution:
migration

Sergeant, D. E., & W. Hock. 1974. Seasonal distribution of bowhead and white whales in the eastern Beaufort Sea, pp.705-771. In: J. C. Reed & J. E. Sater, eds., The coast and shelf of the Beaufort Sea. Arlington, VA: Arctic Inst. North America.

Geographical area(s): BEAU
Abundance & Distribution:
abundance, distribution, migration
Ecology:
behavior

Severinghaus, N. C. 1979. Selected annotated references on marine mammals of Alaska. Environmental assessment of the Alaskan continental shelf: Final rept. of principal investigators, vol.19.

Geographical area(s): ARCT, BEAU, BERS, CHUK, GOAK, NPAC
Abundance & Distribution:
abundance, distribution, migration,
review
Population Dynamics:
recruitment, mortality, population structure,
techniques, stock assessment
Biology:
techniques, taxonomy, individual identification,
growth, physiology
Ecology:
life history, habitat, feeding, sounds

Shively, M. J., R. J. Tarpley, R. F. Sis, & G. G. Stott. 1985. Gross skeletal observations of the pectoral limb of the bowhead whale, 'Balaena mysticetus'. In: T. F. Albert, cd., Third Conference on the Biology of, the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S
Biology:
morphology

Shotts, E. B., Jr., R. E. Wooley, & R. H. Davis. 1985.

Observations on the microbial flora of the epidermal erosions commonly seen on the bowhead whale, 'Balaena mysticetus'. In: T. F. Albert, cd., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Biology:

pathology, histology, physiology

Shults, L. M. 1979. 'Ogmogaster antarcticus' new-record

(Trematoda Notocotylidae) from the bowhead whale, 'Balaena mysticetus', at Barrow, AK, U.S.A. Can. J. Zool. 57:1347-1348.

Geographical area(s): ARCT, BEAU, CHUK

Biology:

pathology

Sinetti, D. 1978. Alaska's whales, A closer look. AK

Geogr., Alaska Whales and Whaling 5(4): 55-133.

Geographical area(s): NPAC, GOAK, BERS, CHUK, BEAU

Biology:

morphology

Abundance & Distribution:

migration, abundance, distribution

Sis, R. F., & R. J. Tarpley. 1981. Structural studies of the

stomach and small intestine of the bowhead whale, 'Balaena mysticetus', pp.663-743. In: T. F. Albert, ed., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): N/S

Biology:

histology, physiology

Sleptsov, M. M. 1961. O kolebanii chislennosti kitov v

Chukotskom more v raznyye gody [Fluctuations in the number of whales of the Chukchi Sea in various years]. Tr. Inst. Morfol. Zhivotn. 34:54-64. (In Russian, Transl. by U.S. Naval Oceanography Office, Washington, D.C., 1970, Transl. 478).

Geographical area(s): CHUK, NPAC, BERS

Abundance & Distribution:

abundance, distribution, techniques
 Ecology:
 feeding

Sluijper, E. J. 1956. Some remarks on gestation and birth in cetaceans and other aquatic mammals. *Hvalrad. Skr.* 41:1-62.

Geographical area(s):

Sluijper, E. J. 1962a. Whales. London: Hutchinson & Co.

Geographical area(s): N/S
 Biology:
 anatomy, physiology, reproduction,
 taxonomy
 Ecology:
 behavior, evolution, feeding
 Abundance & Distribution:
 distribution, migration

Sluijper, E. J. 1962b. Whales and dolphins. - Ann Arbor, MI: Univ. MI Press.

Geographical area(s): N/S
 Biology:
 morphology, physiology, taxonomy,
 reproduction
 Ecology:
 behavior, sounds, feeding
 Abundance & Distribution:
 migration, distribution

Sluijper, E. J. 1979. Whales. 2nd ed. Ithaca, NY: Cornell Univ. Press.

Geographical area(s): N/S
 Subsistence Whaling:
 whaling (recent)
 Biology:
 anatomy, physiology, reproduction,
 taxonomy
 Ecology:
 behavior, evolution, feeding
 Abundance & Distribution:
 distribution, migration

Slyvester, B. 1980. Old bomb wound found in bowhead. *Arct. Cstl. Zone Man. News* 1. 30:11.

Geographical area(s):

Smith, A. W. 1979a. Tissues (structure/function): Serum antibodies and viruses of bowhead whales, 'Balaena mysticetus', pp.279-281. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK. OCS Office Anchorage, AK.

Geographical area(s): N/S, CHUK, BEAU

Biology:
physiology, histology

Smith, A. W. 1979b. Tissues (structure/function): Serum antibodies and viruses of the bowhead whale, pp. 445-457. In: Investigation of the occurrence and behavior patterns of whales in the vicinity of the Beaufort Sea Lease Area. Final rept. for the period 1 October 1978 through 30 November 1979 prepared for BLM, AK OCS Office, Anchorage AK.

Geographical area(s): BEAU, CHUK, N/S

Biology:
pathology, histology

Smith, A. W., D. E. Skilling, & K. Benirschke. 1981. Investigations of the serum antibodies and viruses of the bowhead whale, 'Balaena mysticetus', pp.233-254. In: T. F. Albert, cd., Tissue structural studies and other investigations on the biology of endangered whales in the Beaufort Sea, vol. 2. Final rept. for the period 1 April 1980 through 30 June 1981 prepared for BLM, AK OCS Office, Anchorage, AK. College Park, MD: Univ. MD.

Geographical area(s): BEAU, CHUK, N/S

Biology:
pathology

Smith, T. G. 1974. Biology of the Beaufort region. Northern Perspectives, Can. Arctic Resource Comm. 2(2): 11-12.

Geographical area(s): "BEAU

Abundance & Distribution:
abundance

Sonntag, R., R. Grotefendt, & B. Krogman. 1981. Computer simulation of bowhead whale migration and field testing of counting strategies, p.108. In: Abstracts, Fourth Biennial Conference on the Biology of Marine Mammals, 14-18 December 1981, San Francisco, CA.

Geographical area(s): BEAU, CHUK

Abundance & Distribution:
abundance, techniques

Ecology:
behavior

Southwell, T. 1899. The migration of the right whale
(*Balaena mysticetus*). Part 1: In the Greenland waters.
Nat. Sci. 12(76): 397-414.

Geographical area(s): NATL, ARCT
Abundance & Distribution:
review, distribution migration

Spence, B. 1980. The story of whaling, harpooned.
New York, NY: Crescent Books.

Geographical area(s): N/S
Subsistence Whaling:
subsistence whaling - historic, whaling (recent)
Commercial Whaling:
historic commercial whaling

"Squire, I. L. 1964. A bibliography of cetacea: Literature
published between 1949 and 1963. NAVWEPS Rept. 8645, NOTS TP
3686. China Lake, CA: U.S. Naval Ordinance Test Station.

Geographical area(s): N/S
Biology,
Population Dynamics

Subsistence Whaling

St. Aubin, D. J., & J. R. Geraci. 1981. A look at 'mysticetes'
as oil filters, p.109. In: Abstracts, Fourth Biennial
Conference on the Biology of Marine Mammals, 14-18 December
1981, San Francisco, CA.'

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
external contact, ingestion

St. Aubin, D. J., & J. R. Geraci. 1983. The problem of oil
spills and cetaceans: An evaluation of perceived threats, p.60.
In: Abstracts, Fifth Biennial Conference on the Biology of
Marine Mammals, 27 November - 1 December 1983, Boston, MA.

Geographical area(s): N/S
Effects of Petroleum on Cetaceans:
ingestion, inhalation, external contact

- * St. Aubin, D. J., R. H. Stinson, & J. R. Geraci. 1984.
Aspects of the structure and composition of baleen and some effects of exposure to petroleum hydrocarbons. Can. J. Zool. 62(2): 193-198.

Geographical area(s): N/S

Biology:

physiology, histology

Effects of Petroleum on Cetaceans:

external contact, ingestion

- Starratt, P. 1982. Concerns of industry as they relate to the bowhead whale, 'Balaena mysticetus'. Proceedings, First Conference on the Biology of the Bowhead Whale 'Balaena mysticetus': Population assessment, 25-29 January 1982, Anchorage, AK.

Geographical area(s): ARCT, BEAU, BERS, CHUK

Population Dynamics

Effects of Petroleum on Cetaceans

Noise:

seismic

- Stirling, I., & W. Calvert. 1983. Environmental threats to marine mammals in the Canadian Arctic. Polar Rec. 21(134): 433-4490

Geographical area(s): BEAU, ARCT, CANA

Effects of Petroleum on Cetaceans:

external contact

Contaminants

Noise:

disturbance

- Stoker, S. W. 1983. Subsistence harvest estimates and faunal resource potential at whaling villages in northwestern Alaska, appendix A. In: Alaska Consultants, Inc., eds., Subsistence study of Alaska eskimo whaling villages. Prepared for U. S. Dept. Interior. AK Consultants, Inc. with Stephen Braund, & Assoc.

Geographical area(s): BERS, CHUK, BEAU

Subsistence Whaling:

whaling (recent), management

- Storro-Patterson, R. 1978a. IWC 1978: A moratorium on moratoriums. Oceans 11(4): 63-64.

Geographical area(s):
 Subsistence Whaling:
 conservation, "management"

Storro-Patterson, R. 1978b. The bowhead issue: Harpoon aimed.
 at the U.S. Oceans 11(1): 63-64.

Geographical area(s): BEAU, BERS, CHUK
 Subsistence Whaling:
 whaling (recent), managements conservation

Storro-Patterson, R. 1979. A preliminary calibration of
 aerial survey parameters with sighting performance> p.57. In:
 Abstracts, Third Biennial Conference on the Biology of Marine
 Mammals, 7-11 October 1979, Seattle, WA.

Geographical area(s): NPAC, MEXI
 Abundance & Distribution:
 techniques, abundance

Sullivan. 1976. Saving the gray and bowhead whales. House
 of Representatives Report no. 94-1574 to accompany H. R.
 15445.

Geographical area(s): N/S
 Population Dynamics:
 management
 Subsistence Whaling:
 management

Sumich, J. L. 1982. Recent summer occurrences of gray whales
 ('*Eschrichtius robustus*') along the Oregon coast. Unpubl. ms.
 OR State Univ., Marine Sci. Center, Newport, OR.

Geographical area(s): NPAC, OR
 Abundance & Distribution:
 distribution

Tarpley, R. J., G. G. Stott, & R. M. Kenney. 1983.
 Observations on the structure of the reproductive tract of
 the bowhead whale. In: T. F. Albert, cd., Second Conference
 on the Biology of the Bowhead Whale, '*Balaena mysticetus*'
 7-9 March 1983, Anchorage, AK.

Geographical area(s): N/S, ARCT
 Biology:
 physiology, histology

Tarpley, R. J.; G. H. Jarrell, G. G. Stott, R. F. Sis, & M. J. Shively. 1985. Further observations on the morphology of the reproductive tract of the bowhead whale, 'Balaena mysticetus'. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S

Biology:

physiology, histology, morphology

Thompson, T. J., H. E. Winn, & P. J. Perkins. 1979. Mysticete sounds, pp. 403-431. In: H. E. Winn & B. L. Olla, eds., Cetaceans, vol.3 of Behavior of marine animals. NY: Plenum Press.

Geographical area(s): N/S

Ecology':

sounds

Tillman, M. F. 1977a. Analysis of IWC scientific deliberations concerning bowhead whales. In: Final environmental impact statement on the International Whaling Commission's deletion of native exemption for the subsistence harvest of bowhead whales, Appendix D, August 8, 1977. NOAA, NMFS, Office of Fisheries Management, 2 vols.

Geographical area(s):

Tillman, M. F. 1977b. Progress report on gray and bowhead whale research. Paper prepared for US-USSR meeting, January 1977, LaJolla, CA. (Avail. NOAA, NMFS, Northwest & AK Fisheries Center, National Marine Mammal Lab., 7600 Sand Point Way NE, Seattle, WA 98115.)

Geographical area(s): BERS, BEAU, CHUK

Subsistence Whaling:

management, whaling (recent)

Tillman, M. F. 1980. Introduction: A scientific perspective of the bowhead whale problem. Mar. Fish. Rev. 42(9-10): 2-5.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance

Subsistence Whaling:

management, whaling (recent)

Commercial Whaling:

historic commercial whaling

Tillman, M. F., J. M. Breiwick, & D. G. Chapman. 1983.
 Reanalysis of historical whaling data for the western Arctic
 bowhead whale population. Rept. Int. Whaling Comm. Special
 Issue no. 5:143-146 (SC/32/PS6).

Geographical area(s): ARCT, NPAC, BEAU, BERS, CHUK

Population Dynamics:

review, recruitment

Commercial Whaling:

commercial whaling (historic)

Tomilin, A. G. 1955. On the behavior and sonic signaling of
 whales, pp.28-47. In: Trudy Instituta Okeanologii Akad.
 Nauk SSSR, vol. 18. Fish. Res. Board Can. Transl. Series
 no. 377.

Geographical area(s): N/S

Ecology:

behavior, feeding, sounds

Biology:

physiology, pathology

* Tomilin, A. G. 1957. Kitoobraznye (Cetacea). Zveri SSSR
 i prilozhashchikh stran [Mammals of the USSR and adjacent
 countries], vol. 9. Moskva: Izd. Akad. Nauk SSSR. (In Russian,
 transl. by Israel Program Sci. Transl., 1967, Avail. NTIS,
 Springfield, VA as TT 65-50086).

Geographical area(s): BEAU, CHUK, BERS, NPAC

Ecology:

behavior, life history, feeding,
 habitat, sounds

Population Dynamics:

stock assessment, recruitment, review

Biology:

taxonomy, growth, physiology,
 histology, morphology, pathology, reproduction

Subsistence Whaling:

subsistence whaling

Abundance & Distribution:

migration, distribution, abundance

Commercial Whaling:

historic commercial whaling

Townsend, C. H. 1935a. The distribution of certain whales as
 shown by logbook records of American whaleships.
 Zoologica 19(1): 1-50.

Geographical area(s): BEAU, BERS, CHUK

Abundance & Distribution:

abundance, distribution, review
 Commercial Whaling:
 historic commercial whaling

Townsend. 1935b. (Originally published) Whale distribution in earlier times. AK Geogr., Alaska Whales and Whaling, 1978. 5(4): 50-53.

Geographical area(s): N/S
 Population Dynamics:
 review
 Commercial Whaling:
 commercial whaling (historic)

Truett, J. C. (cd). 1984. The Barrow Arch environment and possible consequence of planned offshore oil and gas development. Proceedings of a Synthesis Meeting: Girwood, Alaska, 30 Oct - 1 Nov, 1983. OCSEAP, NOAA/Assessments Division Alaska Office, Anchorage, AK.

Geographical area(s): CHUK

Tuck, J. A., & R. Grenier. 1981. A 16th-century Basque whaling station in Labrador. Sci. Am. 245(5): 126-136.

Geographical area(s): NATL
 Commercial Whaling:
 commercial whaling (historic)

Turl, C. W. 1977. Sightings of marine mammals in the Arctic winter pack ice, 1976. Second Conference on the Biology of Marine Mammals, 12-15 December 1977, San Diego, CA.

Geographical area(s): ARCT
 Abundance & Distribution:
 distribution

U. S. Department of Commerce. 1978. Bowhead whales: A special report' to the International Whaling Commission. U. S. Dep. Commer., Natl. Oceanic Atmos. Admin., Washington, D. C., 63p.+ 3 append.

Geographical area(s):

United States. 1976. Public law 94-532, 18 Oct. 1976: An act to study and provide enhanced protection for whales, and for other purposes. Washington* D. C.: GPO.

Geographical area(s): N/S
 Subsistence Whaling:
 management

United States Congress. House. Committee on Merchant Marine and Fisheries. Saving the gray and bowhead whales: Report to accompany H. R. 15445. 94th Cong., 2nd sess., 1976. Rept. no. 94-1574. Washington, D. C.: GPO.

Geographical area(s): NPAC, N/S
 Subsistence Whaling:
 management

U.S. Congress. House. Committee on Foreign Affairs, Subcommittee on International Organizations. Preparations for the 32nd International Whaling Commission meeting. 96th Cong., 2nd sess., 30 April & 20 May 1980. Washington, D. C.: GPO.

Geographical area(s): BERS
 Subsistence Whaling:
 management, conservation

Vibe, C. 1967. Arctic animals in relations to climatic fluctuations (meddeleiser om Gronland). Copenhagen: The Danish Zoogeographical Investigations in Greenland.

Geographical area(s): NATL, GRLD
 Ecology:
 habitat
 Abundance & Distribution:
 migration
 Commercial Whaling:
 commercial whaling (historic)
 Population Dynamics:
 mortality

Wahrenbrock, E. A., G. F. Maruschak, R. Elsner, & D. W. Kenney. 1974. Respiration and metabolism in two baleen whale calves. Mar. Fish. Rev. 36(4): 3-9.

Geographical area(s): N/S
 Biology:
 physiology, techniques, growth

Walsh, J. 1977. Moratorium for the bowhead: Eskimo whaling on ice? Science 197(4306): 847-85.

Geographical area(s): BEAU, BERS, CHUK

Subsistence Whaling:
management, whaling (recent)

Watjen, H. 1919. Sur geschichte des hollandischen walfischfangs von der zweiten halfte des 17. bis zum beginn des 19. jahrhunderts. Hansische Gschichtsblätter 45: 242-290.

Geographical area(s):
Commercial Whaling:
commercial whaling (historic)

Watkins, W. (Chairman of Discussion group). 1982a. A consideration of the radio tagging and tracking of bowhead whales, 'Balaena mysticetus'. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment, 25-29 January 1982, Anchorage, AK. The Alaska Eskimo Whaling Commission.

Geographical area(s): N/S
Biology:
techniques
Population Dynamics:
techniques

Watkins, W. A. 1982b. Current status of whale tagging. Proceedings, First Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus': Population Assessment, 25-29 January 1982, Anchorage, AK. The AK Eskimo Whaling Commission.

Geographical area(s): N/S
Ecology:
behavior
Abundance & Distribution:
migration

Watkins, W. A. 1985a. Sensory biophysics of marine mammals. Mar. Mammal Sci. 1(3): 219-260.

Geographical area(s): N/S
Biology:
physiology
Ecology:
sounds

Watkins, W. A. 1985b. The use of radio tags in tracking large whales--A review of present knowledge. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, 'Balaena mysticetus', 21-23 January 1985, Anchorage, AK.

Geographical area(s): N/S
 Biology:
 techniques

Wells, P. G. 1981. Petroleum hydrocarbons and marine zooplankton. A background paper for the Nat. Acad. of Sci., Washington, D.C.

Geographical area(s): N/S
 Effects of Petroleum on Prey

Williamson, G. R. 1983. Counting and measuring baleen and ventral grooves of whales. Sci. Rep. Whales Res. Inst. 25: 279-329.

Geographical area(s): N/S . . .
 Biology:
 morphology, taxonomy

Winge, H. 1902. Gronlands Pattedyr [Mammals of Greenland]. Medd. Gronl., pp.479-521. (Can. Transl. Fish. Aquat. Sci. no. 4874 (1982)).

Geographical area(s): NATL, GRLD
 Abundance & Distribution:
 review, distribution
 Commercial Whaling:
 historic commercial whaling
 Subsistence Whaling:
 subsistence whaling - historic

- * Winn, H. E., M. W. Kelley, & E. A. Scott. 1985. A comparison of recent and historical distribution of bowhead whales in the north Pacific. Interim rept. for MMS, Anchorage, AK. Applied Science Assoc., Inc. & Hubbs Mar. Research Inst.

Geographical area(s): BEAU, BERS, CHUK
 Population Dynamics:
 review
 Commercial Whaling:
 commercial whaling (historic)
 Abundance & Distribution:
 distribution, migration

Winter, F. H., & F. P. Schmidt. 1975. Americats first scientific whaler, Captain Thomas Welcom Roys. Oceans 8(3) : 34-39.

Geographical area(s): BEAU, BERS, CHUK

Commercial Whaling:
commercial whaling (historic)

Wursig, B., C. W. Clark, E. M. Dorsey, M. A. Fraker, &
R. S. Payne. 1981. Normal behavior of bowheads, pp.21-90.
In: W. J. Richardson, ed., Behavior, disturbance responses and
feeding of bowhead whales in the Beaufort Sea, 1980. Chapter
by New York Zool. Soc. Unpubl rept. for BLM, Washington, D.C.
Bryan, TX: LGL Ecological Research Assoc., Inc.

Geographical area(s): BEAU
Ecology:
behavior, feeding, sounds

- * Wursig, B., C. W. Clark, E. M. Dorsey, M. A. Fraker, &
R. S. Payne. 1982. Normal behavior of bowheads, pp.33-144. In:
W. J. Richardson, ed., Behavior, disturbance responses and
feeding of bowhead whales in the Beaufort Sea, 1980-81.
Unpubl. rept. for BLM, Washington, D.C. Bryan, TX: LGL
Ecological Research Assoc.

Geographical area(s): BEAU
Ecology:
behavior, habitat, sounds,
feeding

Wursig, B., C. W. Clark, E. M. Dorsey, W. J. Richardson, &
R. S. Wells. 1983a. Normal behavior of bowheads, 1982.
In: W. J. Richardson, ed., Behavior, disturbance responses
and distribution of bowhead whales, 'Balaena mysticetus', in
the eastern Beaufort Sea, 1982. Draft rept. for MMS, Reston,
VA. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Wursig, B., W. J. Richardson, M. A. Fraker, & E. M. Dorsey.
1983b. Normal behavior of bowhead whales in the Canadian
Beaufort. In: T. F. Albert, ed., Second Conference on the
Biology of the Bowhead Whale, 'Balaena mysticetus', 7-9 March
1983, Anchorage, AK.

Geographical area(s): ARCT, BEAU
Ecology:
behavior, feeding

- * Wursig, B., E. M. Dorsey, M. A. Fraker, R. S. Payne, W. J. Richardson, & R. S. Wells. 1984a. Behavior of bowhead whales, '*Balaena mysticetus*', summering in the Beaufort Sea: Surfacing, respiration, and dive characteristics. *Can. J. Zool.* 62:1910-1921.

Geographical area(s): BEAU, ARCT

Ecology:

behavior

Biology:

physiology

- * Wursig, B., E. M. Dorsey, W. J. Richardson, C. W. Clark, R. Payne, & R. S. Wells. 1984b. Normal behavior of bowheads, 1983, pp.23-99. In: W. J. Richardson, cd., Behavior, disturbance responses and feeding of bowhead whales in the Beaufort Sea, 1983. Unpubl. rept. for MMS, Washington, D.C. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU

Ecology:

behavior, feeding, sounds

Biology:

individual identification

- Wursig, B., E. M. Dorsey, M. A. Fraker, R. S. Payne, & W. J. Richardson.. 1985a. The behavior of undisturbed bowhead whales, '*Balaena mysticetus*': A review. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): BEAU

Ecology:

behavior, feeding

Long Term Effects

Abundance & Distribution:

distribution

- * Wursig, B., E. M. Dorsey, W. J. Richardson, C. W. Clark, & R. Payne. 1985b. Normal behavior of bowheads, 1980-84, pp.14-88. In: W. J. Richardson, cd., Behavior, disturbance responses and distribution of bowhead whales, '*Balaena mysticetus*', Beaufort Sea, 1980-84. Prepared for MMS, Reston, VA, Contract no. 14-12-0001-29051. Bryan, TX: LGL Ecological Research Assoc.

Geographical area(s): BEAU, CANA, AK

Ecology:

behavior, feeding, habitat,

sounds

Biology:

physiology

Yablokov, A. V., & A. A. Berzin. 1978. Prospects of investigations of cetaceans. Translated from *Biologiya Morya* (Sov. J. Mar. Biol.) 5:3-13.

Geographical area(s): N/S

Ecology:

life history

Subsistence Whaling:

whaling (recent), management

Biology:

reproduction

Zeh, J. E., D. Ko, B. D. Krogman, & R. Sonntag. 1985. Statistical considerations in estimating the number of bowhead whales, '*Balaena mysticetus*', from ice-based visual census data. In: T. F. Albert, ed., Third Conference on the Biology of the Bowhead Whale, '*Balaena mysticetus*', 21-23 January 1985, Anchorage, AK.

Geographical area(s): CHUK, BEAU

Abundance & Distribution:

abundance

Zhemkova, Z. P. 1965. On the origin of Cetacea [Oproiskhozhdenii Kitoobraznykh (Cetacea)]. [Zoologicheskii Zhurnal] Zoological Journal 44(10): 1546-1552. (Transl. by Fish. Res. Bd. Canada., 1971, Transl. Ser. (N.A.Z.) 1778).

Geographical area(s):

Zhirnov, L. V., A. A. Vinokurov, & V. A. Bychkov. 1975. Redkie mlekopitayushchie, ptitsy i ikh okhrana v SSSR [Rare mammals, birds and their protection in the USSR]. Moscow: Ministry of Agriculture. (In Russian, Chapt. 3, Marine Mammals, p.27-38 plus accompanying references, translated by Francis X-X. Fay, Univ. AK, Fairbanks, 1977).

Geographical area(s): BERS, BEAU, CHUK

Biology

Abundance & Distribution:

distribution, abundance, management

Subsistence Whaling:

management

ARCTIC

BREIWICK & CHAPMAN 1977

AK GEOGR. 1979
 ALBERT (ED.) 1983
 ALBERT ET AL. 1982
 ANONYMOUS 1984
 BERZIN 1978
 BERZIN & OO ROSHENKO 1982
 BOCKSTOCE 1978a
 BOCKSTOCE & BOTKIN 1983
 BRAHAM 1982b
 BRAHAM 1982c
 BRAHAM 1983b
 BRAHAM 1984b
 BRAHAM & BREIWICK 1980
 BRAHAM ET AL. 1979d
 BRAHAM ET AL. 1980a
 BRAHAM ET AL. 1980b
 BRAHAM ET AL. 1980e
 BURNS, J. J. 1984
 DAVIS & KOSKI 1980
 EVANS & UNDERWOOD 1978
 FAO 1978
 ' INT. WHALING COMM. 1982a
 JOHNSON, J. H. ET AL. 1981
 JONGGAARD 1981
 JONGGAARD 1982
 KROGMAN 1982b
 LEATHERWOOD 1982
 LJUNGBLAD ET AL. 1985e
 MURPHY & JARRELL 1980
 MURPHY & JARRELL 1983a
 NOAA 1978a
 SCORESBY 1820
 SEVERINGHAUS 1979

BEAUFORT SEA

AK GEOGR. 1979
 ALBERT (ED.) 1983
 ALBERT (ED.) 1985
 ALBERT ET AL. 1982
 ANONYMOUS 1978
 ANONYMOUS 1984
 BERZIN 1978
 BOCKSTOCE 1978a
 BOCKSTOCE & BOTKIN 1983
 BRAHAM 1978
 BRAHAM 1982a
 BRAHAM 1982b
 BRAHAM 1982c
 BRAHAM 1983b
 BRAHAM 1984b

BRAHAM & KROGMAN 1977
 BRAHAM & KROGMAN 1978
 BRAHAM ET AL. 1977d
 BRAHAM ET AL. 1979b
 BRAHAM ET AL. 1979d
 BRAHAM ET AL. 1979f
 BRAHAM ET AL. 1980a
 BRAHAM ET AL. 1980b
 BRAHAM ET AL. 1980e
 BRAHAM ET AL. 1981
 BRAHAM ET AL. 1983
 BRAHAM ET AL. 1984
 BREIWICK ET AL. 1981
 BREIWICK ET AL. 1984
 BROOKS 1979
 BURNS, J. J. 1984
 CLARK, C. W. 1983
 CLARK, C. W. ET AL. 1985a
 CLARK, C. W. ET AL. 1985b
 CLARK, C. W. ET AL. 1985c
 DAVIS & KOSKI 1980
 DAVIS & RICHARDSON 1983
 DAVIS & RICHARDSON 1985
 DRONENBURG ET AL. 1983a °
 DRONENBURG ET AL. 1983b
 DRONENBURG ET AL. 1984
 DRONENBURG ET AL. 1985
 EBERHARDT & BREIWICK 1980
 EVANS & CUCCARESE 1980
 EVANS & UNDERWOOD 1978
 FRAKER 1984
 GEORGE 1985
 HARWOOD & FORD 1982
 HOORWOOD & HUNTON 1983
 INT. WHALING COMM. 1982a
 JOHNSON, J. H. ET AL. 1981
 KELLEY ET AL. 1982
 KO ET AL. 1985
 KROGMAN 1980
 KROGMAN 1982a
 KROGMAN 1982b
 KROGMAN & RUGH 1983
 KROGMAN ET AL. 1977
 KROGMAN ET AL. 1979b
 KROGMAN ET AL. 1981a
 KROGMAN ET AL. 1981b
 KROGMAN ET AL. 1982
 KROGMAN ET AL. 1983a
 KROGMAN ET AL. 1983b
 KROGMAN ET AL. 1984
 KROGMAN ET AL. 1985

LEATHERWOOD 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1979c
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MANSFIELD 1972
MARQUETTE 1977
MARQUETTE 1978a
MARQUETTE & HARRY 1975
MURPHY & JARRELL 1983a
NOAA 1977c
NOAA 1978a
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
OLIVER 1982
RENAUD & DAVIS 1981
RICE 1974
RIDGEWAY 1972
SERGEANT & HOEK 1974
SEVERINGHAUS 1979
SINETI 1978
SMITH, T. G. 1974
SONNTAG ET AL. 1981
TILLMAN 1980
TOWNSEND 1935a
ZEH ET AL. 1985
ZHIRNOV ET AL. 1975

BERING SEA

AK GEOGR. 1979
ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALBERT ET AL. 1982
ANONYMOUS 1978
BERZIN 1976
BERZIN & DOROSHENKO 1982
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982a
BRAHAM 1982b
BRAHAM 1982c
BRAHAM 1983b
BRAHAM 1984b
BRAHAM & KROGMAN 1977
BRAHAM & KROGMAN 1978
BRAHAM ET AL. 1977b

BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1979b
BRAHAM ET AL. 1979d
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1982
BRAHAM ET AL. 1983
BRAHAM ET AL. 1984
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
BROOKS 1979
BRUEGGEMAN & GROTEFENDT 1983
BRUEGGEMAN ET AL. 1984
BURNS, J. J. 1984
COWLES 1981b
DRONENBURG ET AL. 1983b
DRONENBURG ET AL. 1984
EBERHARDT & BREIWICK 1980
EVANS & CUCCARESE 1980
EVANS & UNDERWOOD 1978
FAO 1978
FRAKER 1984
GUSEY 1979a
GUSEY 1979b
HILLS & VALENTINE 1982
HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
JOHNSON, J. H. ET AL. 1981
KELLEY ET AL. 1982
KENYON 1972
KROGMAN 1980
KROGMAN 1982b
KROGMAN ET AL. 1977
LEATHERWOOD 1982
LEATHERWOOD ET AL. 1983
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LOWRY ET AL. 1982
MARQUETTE 1977
MARQUETTE 1978a

MURPHY & JARRELL 1983a
 NOAA 1977c
 NOM 1978a
 NOAA 1984
 NAVAL ARCTIC RESEARCH LAB 1979
 OLIVER 1981
 OLIVER 1982
 RICE 1974
 RIDGEWAY 1972
 SCORESBY 1820
 SEVERINGHAUS 1979
 SINETI 1978
 SLEPTSOV 1961
 TILLMAN 1980
 TOWNSEND 1935a
 ZHIRNOV ET AL. 1975

CANADA

HARWOOD & FORD 1982

CHUKCHI SEA

AK GEOGR. 1'79
 ALBERT (ED.) 1983
 ALBERT (ED.) 1985
 ALBERT ET AL. 1982
 ANONYMOUS 1978
 ANONYMOUS 1984
 BERZIN 1'78
 BERZIN & DOROSHENKO 1982
 BERZIN & VLADIMIROV 1981
 BOCKSTOCE 1978a
 BOCKSTOCE & BOTKIN 1983
 BRAHAM 1978
 BRAHAM 1982a
 BRAHAM 1982b
 BRAHAM 1982c
 BRAHAM 1983b
 BRAHAM 1984b
 BRAHAM & KROGMAN 1977
 BRAHAM & KROGMAN 1976
 BRAHAM ET AL. 1977c
 BRAHAM ET AL. 1977d
 BRAHAM ET AL. 1979b
 BRAHAM ET AL. 1979d
 BRAHAM ET AL. 1979f
 BRAHAM ET AL. 1980a
 BRAHAM ET AL. 1980b
 BRAHAM ET AL. 1980e
 BRAHAM ET AL. 1981
 BRAHAM ET AL. 1983
 BRAHAM ET AL. 1984
 BREIWICK ET AL. 1981
 BREIWICK ET AL. 1984



BROOKS 1979
 BURNS, J. J. 1984
 CLARK, C. W. 1983
 CLARK, C. W. ET AL. 1985a
 CLARK, C. W. ET AL. 1985b
 CLARK, C. W. ET AL. 1985c
 DAVIS & THOMSON 1984
 DRONENBURG ET AL, 1983a
 DRONENBURG ET AL. 1983b
 DRONENBURG ET AL. 1984
 DRONENBURG ET AL. 1985
 EBERHARDT & BREIWICK 1980
 EVANS & CUCCARESE 1980
 EVANS & UNDERWOOD 1978
 FRAKER 1984
 GEORGE 1985
 HOORWOOD & HUNTON 1983
 INT. WHALING COMM. 1982a
 JOHNSON, J. W. ET AL. 1981
 KELLEY ET AL. 1982
 KO ET AL. 1985
 KROGMAN 1980
 KROGMAN 1982a
 KROGMAN 1982b
 KROGMAN & RUGH 1983
 KROGMAN ET AL. 1977
 KROGMAN ET AL. 1979b
 KROGMAN ET AL. 1981a
 KROGMAN ET AL. 1981b
 KROGMAN ET AL. 1982
 KROGMAN ET AL. 1983a
 KROGMAN ET AL. 1983b
 KROGMAN ET AL. 1984
 KROGMAN ET AL, 1985
 LEATHERWOOD 1982
 LJUNGBLAD 1981
 LJUNGBLAD ET AL. 1980b
 LJUNGBLAD ET AL. 1982a
 LJUNGBLAD ET AL, 1983
 LJUNGBLAD ET AL. 1984b
 LJUNGBLAD ET AL. 1984c
 LJUNGBLAD ET AL. 1985c
 LJUNGBLAD ET AL. 1985d
 LJUNGBLAD ET AL. 1985e
 MARQUETTE 1977
 MARQUETTE 1978a
 MARQUETTE & HARRY 1975
 MOORE ET AL. 1965
 MURPHY & JARRELL 1983a
 NOAA 1977c
 NOAA 1978a

Abundance / Distribution: Abundance

NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NIKULIN 1946
OLIVER 1981
RAINEY 1940
RICE 1974
RIDGEWAY 1972
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
SONNTAG ET AL. 1981
TILLMAN 1980
TOWNSEND 1935a
ZEH ET AL. 1985
ZHIRNOV ET AL. 1975

GULF OF ALASKA

AK GEOGR. 1979
LEATHERWOOD ET AL. 1983
NOAA 1984
SEVERINGHAUS 1979
SINETI 1978

GREENLAND

JONSGAARD 1981
SCORESBY 1820

MEXICO

STORRO-PATTERSON"" 1979

NOT AREA SPECIFIC

ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALLEN, K. R. 1980
BENNETT & LJUNGBLAD 1983
BERZIN & YABLOKOV 1978
BIRO 1983
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982b
BRAHAM 1984a
BRAHAM 1984c
BURNHAM ET AL. 1980
CLARKE, R. 1982
EBERHARDT ET AL. 1979
FAO 1978
FOWLER 1984
GASKIN 1976
GASKIN 1982
INT. WHALING COMM. 1982a
KROGMAN ET AL. 1979a
LEATHERWOOD ET AL. 1982
MARINE MAMMAL COMMISSION 1979
MILLER, R. V. N.O.
MITCHELL 1973
MURPHY & JARRELL 1983b

Abundance / Distribution: Abundance

	NOAA 1975a NAVAL ARCTIC RESEARCH LAB 1979 SCHEFFER 1975
NORTH ATLANTIC	FAO 1978 JONGGAARD 1981 JONGGAARD 1982 MANSFIELD 1972 MITCHELL 1974
NORTH PACIFIC	AK GEOGR. 1979 ALBERT (ED.) 1983 BERZIN 1978 BERZIN & DOROSHENKO 1981 BERZIN & DOROSHENKO 1982 BERZIN & VLADIMIROV 1981 BOCKSTOCE 1978a BOCKSTOCE & BOTKIN 1983 BRAHAM 1982b BRAHAM ET AL. 1979d BRAHAM ET AL. 1980b BRAHAM ET AL. 1980e EVANS & UNDERWOOD 1978 FAO 1978 INT. WHALING COMM. 1982a JOHNSON, J. H. ET AL. 1981 MURPHY & JARRELL 1983a NOAA 1984 RICE 1974 RICE 1974 RIDGEWAY 1972 SEVERINGHAUS 1979 SINETI 1978 SLEPTSOV 1961 STORRO-PATTERSON 1979
OKHOTSK SEA	BERZIN 1978 BERZIN & DOROSHENKO 1981 BERZIN & DOROSHENKO 1982 BERZIN & VLADIMIROV 1981 BRAHAM ET AL. 1980e
UNITED STATES	MITCHELL 1974

Abundance / Distribution: Distribution

RAY, G. C. , & WARTZOK 1976

ARCTIC

AK GEOGR. 1979
ALBERT (ED.) 1983
ALBERT ET AL. 1902
BENJAMINSEN ET AL. 1976
BERZIN 1975
BERZIN & 00 ROSHENKO 1982
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1980
BRAHAM 1982b
BRAHAM 1982c
BRAHAM 1983b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
DAVIS & KOSKI 1980
FALLIS ET AL. 1983
FAO 1978
HANNEBERG 1977
HAUG 1980
HAZARD & CUBBAGE 1982
JOHNSON, J. H. ET AL. 1981
JONGGAARD 1964
JONGGAARD 1981
JONGGAARD 1982
JONGGAARD n.d.
LEATHERWOOD 1982
LGL LIMITED 1983
LJUNGBLAD ET AL. 1985e
MARQUETTE ET AL. 1982
MILLER, R. V. ET AL. 1985
NOAA 1978a
RAY, G. C. ET AL. 1981
RAY, G. C. ET AL. 1984
SCHLEDERMANN 1976
SCORESBY 1620
SEVERINGHAUS 1979
SOUTHWELL 1899
TURL 1977

BARENTS SEA

BENJAMINSEN ET AL. 1976
JONGGAARD 1964

BEAUFORT SEA

AK GEOGR. 1979
ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALBERT ET AL. 1982
ALLEN, A. J. 1978
APPLIED SCI . ASSOC. ET AL 1985
BAILEY & HENDEE 1926

Abundance / Distribution: Distribution

BERZIN 1978
BORSTAD 1984
BRAHAM 1978
BRAHAM 1980
BRAHAM 1982b
BRAHAM 1982c
BRAHAM 1983b
BRAHAM & KROGMAN 1977
BRAHAM & KROGMAN 1978
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1983
BRAHAM ET AL. 1984
BROOKS 1979
CARROLL & SMITHISLER 1980
CLARK J C. W, 1983
CUBBAGE ET AL. 1984
DAVIS & KOSKI 1980
DAVIS & RICHARDSON 1983
DAVIS & RICHARDSON 1985
DAVIS ET AL 1982
DRONENBURG ET AL. 1984
EVANS & CUCCARESE 1980
EVANS ET AL. 1979
FRAKER 1979
FRAKER 1980
FRAKER 1984
HARWOOD & FORD 1982
HAZARD & CUBBAGE 1982
JOHNSON) J, H. ET AL, 1981
JOHNSON, S. R. 1983
KELLEY ET AL, 1979
KROGMAN 1980
LEATHERWOOD 1962
LGL ECOL , RESEARCH ASSOC. 1983
LGL LIMITED 1983
LJUNGBLAD 1981
LJUNGBLAD 1983a
LJUNGBLAD ET AL. 1979c
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL, 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d

Abundance / Distribution: Distribution

LJUNGBLAD ET AL. 198%
LOWRY t FROST 1981
MANSFIELD 1972
MARQUETTE 1978a
MARQUETTE & BRAHAM 1982
MARQUETTE & HARRY 1975
MARQUETTE ET AL. 19\$2
MURDOCH 1885
NOAA 1978a
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
OLIVER 1982
RAY, G. C. ET AL. 1981
RAY, G. C. ET AL. 1984
REEVES ET AL. 1983a
RENAUD & DAVIS 1981
RICE 1974
RICHARDSON 1982
RICHARDSON 1984
RI CHARDSON 1985a
RICHARDSON & WURSIG 1984
RICHARDSON ET AL, 1983b
RICHARDSON ET AL. 1984a
RICHARDSON ET AL, 1985a
RIDGEWAY 1972
SCAMMON 1874
SERGEANT & HOEK 1974
SEVERINGHAUS 1979
SINETI 197\$
TOWNSEND 1935a
WINN ET AL. 1985
WURSIG ET AL. 1985a
ZHIRNOV ET AL. 1975

BERING SEA

AK GEOGR. 1979
ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALBERT ET AL. 1982
APPLIED SCI . ASSOC. ET AL 1985
BAILEY & HENOE 1926
BERZIN 1978
BERZIN & DOROSHENKO 1982
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1980
BRAHAM 1982b
BRAHAM 1982c
BRAHAM 1983b
BRAHAM & KROGMAN 1977
BRAHAM & KROGMAN 1978
ERAHAM ET AL. 1977a
BRAHAM ET AL. 1977b

Abundance / Distribution: Distribution

BRAHAM ET AL. 1977c
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1979a
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1982
BRAHAM ET AL. 1982
BRAHAM ET AL. 1983
BRAHAM ET AL. 1984
BROOKS 1979
BRUEGGEMAN 1982
BRUEGGEMAN & GROTEFENDT 1983
BRUEGGEMAN & GROTEFENDT 1985
BRUEGGEMAN ET AL. 1984
BURGESS 1972
BURNS ET AL. 1985
CARROLL, & SMITHISLER 1980
COWLES 1981b
DAHLHEIM ET AL. 1980
DRONENBURG ET AL. 1984
EVANS & CUCCARESE 1980
EVANS ET AL. 1979
FEDOSEEV 1966
FAO 1978
FRAKER 1984
GUSEY 1979a
GUSEY 1979b
HANNA 1920
HILLS & VALENTINE 1982
JOHNSON, J. H. ET AL. 1981
KENYON 1972
KROGMAN 1980
KUZ'MIN & BERZIN 1975
LEATHERWOOD 1982
LEATHERWOOD ET AL. 1983
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LOWRY ET AL. 1981
MARQUETTE 1978a
MARQUETTE & BRAHAM 1982
MARQUETTE ET AL. 1982

MILLER, R. V. ET AL. 1985
 NOAA 1978a
 NOAA 1984
 NAVAL ARCTIC RESEARCH LAB 1979
 OLIVER 1981
 OLIVER 1982
 RAY, G. C. ET AL. 1981
 RICE 1974
 RIDGEWAY 1972
 SCAMMON 1874
 SCORESBY 1820
 SEASE 1985
 SEVERINGHAUS 1979
 SINETI 1978
 SLEPTSOV 1961
 TOWNSEND 1935a
 WINN ET AL. 1985
 ZHIRNOV ET AL. 1975

CANADA

FRAKER 1979
 HARWOOD & FORD 1982
 MITCHELL ET AL. 1979
 RICHARDSON 1985a
 RICHARDSON ET AL. 1985a

CHUKCHI SEA

AK GEOGR. 1979
 ALBERT (ED.) 1983
 ALBERT (ED.) 1985
 ALBERT ET AL. 1982
 ALLEN I A. J. 1978
 APPLIED SCI. ASSOC. ET AL 1985
 BAILEY & HENDEE 1926
 BERZIN 1978
 BERZIN & DOROSHENKO 1982
 BERZIN & VLADIMIROV 1981
 BOGOSLOVSKAYA ET AL. 1982
 BRAHAM 1978
 BRAHAM 1980
 BRAHAM 1982b
 BRAHAM 1982c
 BRAHAM 1983b
 BRAHAM & KROGMAN 1977
 BRAHAM & KROGMAN 1978
 BRAHAM ET AL. 1977a
 BRAHAM ET AL. 1977c
 BRAHAM ET AL. 1977d
 BRAHAM ET AL. 1979f
 BRAHAM ET AL. 1980a
 BRAHAM ET AL. 1980b
 BRAHAM ET AL. 1980e
 BRAHAM ET AL. 1981

Abundance / Distribution: Distribution

BRAHAM ET AL. 1983
BRAHAM ET AL. 1984
BROOKS 1979
CARROLL & SMITHHISLER 1980
CLARK, C. W. 1983
DAHLHEIM ET AL. 1980
DAVIS & THOMSON 1984
DRONENBURG ET AL. 1984
EVANS & CUCCARESE 1980
EVANS ET AL. 1979
FEDOSEEV 1966
FRAKER 1984
JOHNSON, J. H. ET AL. 1981
KROGMAN 1980
KUZ'MIN & BERZIN 1975
LEATHERWOOD 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
L. JUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MARQUETTE 1978a
MARQUETTE & BRAHAM 1982
MARQUETTE & HARRY 1975
MARQUETTE ET AL. 1982
MILLER, R. V. ET AL. 1984
MILLER, R. V. ET AL. 1985
MOORE ET AL. 1985
MURDOCH 1885
NOAA 1978a
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NIKULIN 1946
OLIVER 1981
RAY, G. C. ET AL. 1981
RAY, G. C. ET AL. 1984
RICE 1974
RI OGEWAY 1972
SCAMMON 1874
SEASE 1985
SEVERINGHAUS 1979
SINETI 1978
SLEPTSOV 1961
TOWNSEND 1935a
WINN ET AL. 1985
ZHIRNOV ET AL. 1975

Abundance / Distribution: Distribution

GULF OF ALASKA AK GEOGR. 1979
APPLIED SCI . ASSOC. ET AL 1965
LEATHERWOOD ET AL. 1983
NOAA 1984
SEVERINGHAUS 1979
SINETI 1978

GREENLAND BORN & HEIDE-JORGENSEN 1983
HAUG 1980
JONGGAARD 1981
SCHLEDERMANN 1976
SCORESBY 1820
WINGE 1902

NOT AREA SPECIFIC ALBERT (ED.) 1983
ALBERT (ED.) 1985
BIRD 1983
BRAHAM 1982b
CCCP 1980
CUBBAGE ET AL. 1984
CURHAM 1972c
FAO 1978
GASKIN 1976
GASKIN 1962..
HARRISON & KING 1965
HOYT 1984
MATTHEW 1975
MILLER, R. V. N.D.
NAVAL ARCTIC RESEARCH LAB 1979
RICE 1977
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979

NORTH ATLANTIC BORN & HEIDE-JORGENSEN 1983
FAO 1978
HANNEBERG 1977
JONGGAARD 1981
JONGGAARD 1982
JONGGAARD n.d.
MANSFIELD 1972 . .
MITCHELL ET AL. 1979
SCHLEDERMANN 1976
SOUTHWELL 1899
WINGE 1902

NORTH PACIFIC AK GEOGR. 1979
ALBERT (ED.) 1983
BERZIN 1978
BERZIN & DOROSHENKO 1981
BERZIN & DOROSHENKO 1982

Abundance / Distribution: Distribution

	BERZIN & VLADIMIROV 1981
	BRAHAM 1982b
	BRAHAM ET AL. 1980b
	BRAHAM ET AL. 1980e
	FAO 1978
	JOHNSON, J. H. ET AL. 1981
	MIYAZAKI 1980
	NOAA 1984
	RAY, G. C. ET AL. 1984
	RICE 1974
	RICE 1974
	RIDGEWAY 1972
	ROVNIN 1970
	SCAMMON 1874
	SEVERINGHAUS 1979
	SINETI 1978
	SLEPTSOV 1961
	SUMICH 1982
OKHOTSK SEA	BERZIN 1978
	BERZIN & DOROSHENKO 1981
	BERZIN & DOROSHENKO 1982
	BERZIN & VLADIMIROV 1981
	BRAHAM ET AL. 1980e
	ROVNIN 1970
OREGON	SUMICH 1982
SOVIET UNION	MILLER, R. V. ET AL. 1985

Abundance / Distribution: Historical review

ARCTIC	ARVY 1980 BREIWICK & MITCHELL 1983 SCORESBY 1820 SEVERINGHAUS 1979 SOUTHWELL 1899
BEAUFORT SEA	BRAHAM ET AL. 1979f BREIWICK & MITCHELL 1983 EBERHARDT & BREIWICK 1980 FRAKER 1779 FRAKER & BOCKSTOCE 1980 HANSON 1979 SCAMMON 1874 SEVERINGHAUS 1979 TOWNSEND 1935a
BERING SEA	BRAHAM ET AL. 1979f BREIWICK & MITCHELL 1983 COWLES 1981b EBERHARDT & BREIWICK 1980 ESCHRIGHT & REINHARDT 1866 LEATHERWOOD ET AL. 1983 SCAMMON 1874 SCORESBY 1820 SEVERINGHAUS 1979 TOWNSEND 1935a
CANADA	ARVY 1980 FRAKER 1979
CHUKCHI SEA	BRAHAM ET AL. 1979f BREIWICK & MITCHELL 1983 EBERHARDT & BREIWICK 1980 SCAMMON 1874 SEVERINGHAUS 1979 TOWNSEND 1935a
GULF OF ALASKA	LEATHERWOOD ET AL. 1983 SEVERINGHAUS 1979
GREENLAND	ESCHRIGHT & REINHARDT 1666 SCORESBY 1820 WINGE 1902
NOT AREA SPECIFIC	BREIWICK & MITCHELL 1963.
NORTH ATLANTIC	ARVY 1980 ESCHRIGHT & REINHARDT 1866 SOUTHWELL 1699 WINGE 1902

Abundance / Distribution: Historical review

NORTH PACIFIC

BREI WICK & MITCHELL 1983

SCAMMON 1874

SEVERINGHAUS 1979

Abundance / Distribution: Migration

ARCTIC

GRAY 1894

ALBERT ET AL. 1962
BRAHAM 1984b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
COWLES 1981a
DAVIS & KOSKI 1980
HAZARD & CUBBAGE 1982
HUFFORD 1982
JOHNSON} J. H. ET AL. 1981
KELLOGG 1929
LEATHERWOOD 1982
LJUNGBLAD ET AL. 1985e
NOAA 1978a
SERGEANT. 1979
SEVERINGHAUS 1979
SOUTHWELL 1899

ATLANTIC

NEMOTO 1959

BEAUFORT SEA

ALBERT ET AL. 1982
APPLIED SCI. ASSOC. ET AL 1985
BRAHAM 1984b
BRAHAM & KROGMAN 1977
BRAHAM & KROGMAN 1978
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980d
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1983
BRAHAM ET AL. 1984
BROOKS 1979
CARROLL & SMITHHISLER 1980
COWLES 1981a
DAMES & MOORE 1983
DAVIS & KOSKI 1980
DRONENBURG ET AL. 1984
EVANS & CUCCARESE 1980
FRAKER 1979
FRAKER 1980
FRAKER ET AL, 1978
HANSON 1979
HAZARD & CUBBAGE 1982
HOUGHTON 1984
HUFFORD 1982
JOHNSONJ J. H. ET AL. 1981

Abundance / Distribution: Migration

KELLEY ET AL. 1982
KELLOGG 1931
KROGMAN ET AL. 1977
LEATHERWOOD 1982
LJUNGBLAD 1981
LJUNGBLAD 1983a
LJUNGBLAD 1983b
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LJUNGBLAD ET AL. 1986
LOWRY & FROST 1981
MAHER & WILLIMOVSKY 1963
MARQUETTE 1976
MARQUETTE 1978a
MATE & HARVEY 1982
MORRIS 1982
MURDOCH 1885
NOAA 1978a
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1959
REED ET AL. 1985
SCAMMON 1874
SERGEANT & HOEK 1974
SEVERINGHAUS 1979
SINETI 1978
WINN ET AL. 1985

BERING SEA

ALBERT ET AL. 1982
APPLIED SCI. ASSOC. ET AL 1985
BRAHAM 1984b
BRAHAM & KROGMAN 1977
BRAHAM & KROGMAN 1978
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977d
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980d
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1982
BRAHAM ET AL. 1983
BRAHAM ET AL. 1984
BROOKS 1979
BRUEGGEMAN ET AL. 1984
BURGESS 1972

Abundance / Distribution: Migration

CARROLL & SMITHISLER 1980
COWLES 1981a
COWLES 1981b
DRONENBURG ET AL. 1984
ESCHRIGHT & REINHARDT 1966
IEVANS & CUCCARESE 1980
GUSEY 1979a
GUSEY 1979b
HUFFORD 1982
JOHNSON, J. H. ET AL.. 1981
KELLEY ET AL. 1982
KELLOGG 1929
KELLOGG 1931
KROGMAN ET AL. 1977
LEATHERWOOD 1982
LEATHERWOOD ET AL. 1983
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL., 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MARQUETTE 1976
MARQUETTE 1978a
NOAA 1978a
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979,
NEMOTO 1959
REED ET AL. 1985
SCAMMON 1874
SEVERINGHAUS 1979
SINETI 1978
WINN ET AL., 1985

CANADA

FRAKER 1979
MITCHELL ET AL. 1979
SERGEANT 1979

CHUKCHI SEA

ALBERT ET AL. 1982
APPLIED SCI. ASSOC. ET AL 1985
BRAHAM 1984b
BRAHAM & KROGMAN 1977
BRAHAM & KROGMAN 1978
BRAHAM ET AL. 1977a
BRAHAM ET AL. 1977d
BRAHAM ET AL., 1980a
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980d
BRAHAM ET AL. 1980e

Abundance / Distribution: Migration

BRAHAM ET AL. 1981
ERAHAM ET AL. 1983
BRAHAM ET AL. 1984
BROOKS 1979
CARROLL & SMITHHISLER 1980
COWLES 1981a
DAVIS & THOMSON 1984
DRONENBURG ET AL. 1984
EVANS & CUCCARESE 1980
HUFFORD 1982
JOHNSON, Jo H. ET AL. 1981
KELLEY ET AL. 1982
KELLOGG 1929
KELLOGG 1931
KROGMAN ET AL. 1977
LEATHERWOOD 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL.. 1980b
LJUNGBLAD ET AL.. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL., . 1985e
MAHER & WILLIMOVSKY 1963
MARQUETTE 1976
MARQUETTE 1978a
MURDOCH 1985
NOAA 1978a
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1959
REED ET AL. 1985
RUGH & CUBBAGE 1980
SCAMMON 1874
SEVERINGHAUS 1979
SINETI 1978
WINN ET AL, 1985

GULF OF ALASKA

APPLIED SCI. ASSOC. ET AL 1965
LEATHERWOOD ET AL. 1983
N(MA 1984
SEVERINGHAUS 1979
SINETI 1978

GREENLAND

ESCHRICHT & REINHARDT 1866
VIBE 1967

MEXICO

MATE & HARVEY 1982

NOT AREA SPECIFIC

BIRD 1983

Abundance / Distribution: Migration

BRAHAM 1984a
CCCP 1980
CHRISTIANSEN 1981
CLARKE, R. 1957
GASKIN 1976
GASKIN 1982
HANSON 1981
KAWAMURA 1975 "
MALME ET AL. 1983
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1959
OMURA 1971
SLIJPER 1962a
SLIJPER 1962b
WATKINS 1982b

NORTH ATLANTIC

ESCHRICHT & REINHARDT 1866
MITCHELL ET AL. 1979
SOUTHWELL 1899
VIBE 1967

NORTH PACIFIC

BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
CLARKE, R. 1957
HUFFORD 1982
JOHNSON, J. H. ET AL. 1981
KELLOGG 1929
KELLOGG 1931
MATE & HARVEY 1982
NOAA 1984
NEMOTO 1959
ROVNIN 1970
SCAMMON 1874
SEVERINGHAUS 1979
SINETI 1978

OKHOTSK SEA

BRAHAM ET AL. 1980e
ROVNIN 1970

Abundance / Distribution: Techniques

ARCTIC	ANONYMOUS 1984
BEAUFORT SEA	ANONYMOUS 1984 GEORGE 1985 KELLEY ET AL. 1982 KO ET AL. 1985 KROGMAN 1980 KROGMAN & RUGH 1983 MATE & HARVEY 1982 SONNTAG ET AL. 1981
BERING SEA	KELLEY ET AL. 1982 KROGMAN 1980 SLEPTSOV 1961
CHUKCHI SEA	ANONYMOUS 1984 GEORGE 1985 KELLEY ET AL. 1982 KO ET AL. 1985 KROGMAN 1980 KROGMAN & RUGH 1983 SLEPTSOV 1961 SONNTAG ET AL. 1981
MEXICO	MATE & HARVEY 1982 STORRO-PATTERSON 1979
NOT AREA SPECIFIC	BURNHAM ET AL. 1980 CLARKE, R. 1982 EBERHARDT ET AL. 1979 LEATHERWOOD ET AL, 1982
NORTH PACIFIC	MATE & HARVEY 1982 SLEPTSOV 1961 STORRO-PATTERSON 1979

Petroleum Effects on Cetaceans: Avoidance

ARCTIC	DAVIS 1981
BEAUFORT SEA	COWLES ET AL. 1981 DAVIS 1981
BERING SEA	COWLES ET AL. 1981
CANADA	DAVIS 1981
CHUKCHI SEA	COWLES ET AL. 1981
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1960 GERACI & ST. AUBIN 1982c GERACI & ST. AUBIN 1982h NATL. ACAD. OF SCIENCE 1982 RI CHARDSON ET AL. 1983a

Biology: Anatomy

	NISHIWAKI 1982
BEAUFORT SEA	ABDELBAKI ET AL. 1984 ALBERT 1981g DUFFIELD ET AL. 1983
BERING SEA	ABDELBAKI ET AL. 1984
CHUKCHI SEA	ABDELBAKI ET AL. 1984 ALBERT 1981g
NOT' AREA SPECIFIC	ABDELBAKI ET AL. 1984 ALBERT 1981d ALBERT 1981g CAMPBELL ET AL. 1983 DUFFIELD 1985 DUFFIELD ET AL. 1981 DUFFIELD ET AL. 1983 HALDIMAN ET AL. 1980 HALDIMAN ET AL. 1981c HALDIMAN ET AL. 1984 HENRY ET AL. 1981 HOSOKAWA & KAMIYA 1971 JARRELL 1979a REYERSBACH DE HAAN 1957 SLIJPER 1962a SLIJPER 1979
NORTH PACIFIC	NISHIWAKI & KASUYA 1970

Biology: Genetics

NOT AREA SPECIFIC

ARNASON 1982



Biology: Growth

ARCTIC	BRAHAM ET AL. 1980e DAVIS ET AL. 1983 NERINI ET AL. 1984 SEVERINGHAUS 1979
BEAUFORT SEA	BRAHAM ET AL. 1980e CUBBAGE ET AL. 1984 DAVIS ET AL. 1983 FRAKER ET AL. 1978 GUSEY 1983 MARQUETTE 1977 NERINI ET AL. 1984 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	BRAHAM ET AL. 1980e GUSEY 1983 HILLS & VALENTINE 1982 MARQUETTE 1977 NERINI ET AL. 1984 SEVERINGHAUS 1979 TOMILIN 1957
CHUKCHI SEA	BRAHAM ET AL. 1980e GUSEY 1983 MARQUETTE 1977 NERINI ET AL. 1984 SEVERINGHAUS 1979 TOMILIN 1957
GULF OF ALASKA	SEVERINGHAUS 1979
NOT AREA SPECIFIC	CUBBAGE ET AL. 1984 DURHAM 1969 DURHAM 1979b MATTHEWS 1975 NERINI ET AL. 1984 WAHRENBROCK ET AL. 1974
NORTH PACIFIC	BRAHAM ET AL. 1980e SEVERINGHAUS 1979 TOMILIN 1957
OKHOTSK SEA	BRAHAM ET AL. 1980e

Biology: Histology

ARCTIC

ALBERT (ED.) 1963
BRAHAM ET AL. 1980b
EVERITT, J. 1983
TARPLEY ET AL. 1983

BEAUFORT SEA

ALBERT 1979
ALBERT 1981c
ALBERT 1981g
ALBERT & PHILO 1979
ALBERT (ED.) 1983
ALBERT ET AL. 1980
BOCKSTOCE 1986
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980b
EVERITT, J. 1983
HECKMAN & HESS 1979
KENNEY 1979
KENNEY & EVERITT 1979
KENNEY & GARCIA 1981
MIGAKI 1979a
MIGAKI 1979b
MIGAKI 1981
NAVAL ARCTIC RESEARCH LAB 1979
OVERTON ET AL. 1985
SMITH, A. W. 1979a
SMITH, A. W. 1979b
TOMILIN 1957

BERING SEA

ALBERT (ED.) 1983
BOCKSTOCE 1986
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980b
EVERITT, J. 1983
JARRELL 1979c
NAVAL ARCTIC RESEARCH LAB 1979
OVERTON ET AL. 1985
TOMILIN 1957

CHUKCHI SEA

ALBERT 1979
ALBERT 1981c
ALBERT 1981g
ALBERT (ED.) 1983
BOCKSTOCE 1986
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980b
EVERITT, J. 1983
JARRELL 1979c
KENNEY 1979
KENNEY & GARCIA 1981
MIGAKI 1979a
MIGAKI 1981

Biology: Histology

NAVAL ARCTIC RESEARCH LAB 1979
OVERTON ET AL. 1985
SMITH, A. W. 1979a
SMITH, A. W. 1979b
TOMILIN 1957

NOT AREA SPECIFIC

ABDELBAKI ET AL. 1980
ABDELBAKI ET AL. 1981
ALBERT 1979
ALBERT 1980a
ALBERT 1980b
ALBERT 1981c
ALBERT 1981e
ALBERT 1981g
ALBERT & PHILO 1979
ALBERT (En.) 1983
ALBERT ET AL. 1980
DUBIELZIG & AGUIRRE 1979a
DUBIELZIG & AGUIRRE 1979b
DUFFIELD 1985
FETTER & EVERITT 1979
FETTER & EVERITT 1981
GERACI & ST. AUBIN 1982e
HALDIMAN & CAMPBELL 1985
HALDIMAN ET AL. 1980
HALDIMAN ET AL. 1981a
HALDIMAN ET AL. 1981b
HALDIMAN ET AL. 1984
HECKMAN & HESS 1979
HENK & ABDELBAKI 1985
HENK ET AL. 1983
JARRELL 1979a
JONES & TARPLEY 1981
KENNEY 1979
KENNEY & EVERITT 1979
KENNEY & GARCIA 1981
KOORYMAN & ANDERSEN 1969
MEDWAY 1979a
MEDWAY 1981
MIGAKI 1979a
MIGAKI 1979b
MIGAKI 1981
MIGAKI & ALBERT N.D.
NAVAL ARCTIC RESEARCH LAB 1979
NORRIS, J. , & LEATHERWOOD 1981
OVERTON ET AL. 1985
RIDGWAY 1981
SHOTTS ET AL. 1985
SIS & TARPLEY 1981
SMITH, A. W. 1979a
SMITH, A. W. 1979b

Biology: Histology

ST. AUBIN ET AL. 1984
TARPLEY ET AL. 1903
TARPLEY ET AL. 1985

NORTH PACIFIC

ALBERT (ED.) 1983
BRAHAM ET AL. 1980b
NISHIWAKI & KASUYA 1970
TOMILIN 1957

Biology: Individual Identification

ALASKA	MALME ET AL. 1985
ARCTIC	LGL LIMITED 1983 SEVERINGHAUS 1979
BEAUFORT SEA	BRAHAM 1983a BRAHAM & RUGH 1983a BRAHAM & RUGH 1983b CUBBAGE & RUGH 1983 CUBBAGE ET AL. 1984 HOBBS & GOEBEL 1982 LGL LIMITED 1983 LJUNGBLAD 1981 NERINI 1985 RUGH 1985 SEVERINGHAUS 1979 WURSIG ET AL. 1984b
BERING SEA	BRAHAM 1983a LJUNGBLAD 1981 SEVERINGHAUS 1979
CANADA	CUBBAGE & RUGH 1983
CHUKCHI SEA	BRAHAM 1983a BRAHAM & RUGH 1983a LJUNGBLAD 1981 SEVERINGHAUS 1979
GULF OF ALASKA	SEVERINGHAUS 1979
NOT AREA SPECIFIC	CUBBAGE & RUGH 1983 CUBBAGE ET AL. 1984 HOBBS & GOEBEL 1982
NORTH PACIFIC	HALME ET AL. 1985 SEVERINGHAUS 1979

Biology: Life history

ARCTIC

GRAY 1874
AK GEOGR. 1979
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1984b
DAVIS ET AL., . 1983
DE JONG 1983
DURHAM 1980
LGL LIMITED 1983
MURPHY & JARRELL 1983a
NERINI ET AL. 1983b
NERINI ET. AL. 1984
SCHEFFER 1978
SEVERINGHAUS 1979

BEAUFORT SEA

AK GEOGR. 1979
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982a
BRAHAM 1983a
BRAHAM 1984b
BRAHAM ET AL. 1981
BRAHAM ET AL. 1964
BREIWICK ET AL. 1984
CUBBAGE ET AL. 1984
DAVIS ET AL. 1983
DURHAM 1980
EVANS ET AL. 1979
LGL LIMITED 1983
LJUNGBLAD ET AL. 1984b
MARQUETTE 1978a
MURPHY & JARRELL 1983a
NOAA 1984
NERINI ET AL. 1983a
NERINI ET AL. 1984
RIDGEWAY 1972
SEVERINGHAUS 1979
TOMILIN 1957

BERING SEA

AK GEOGR. 1979
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982a
BRAHAM 1983a
BRAHAM 1984b
BRAHAM ET AL. 1981
BRAHAM ET AL. 1984
BREIWICK ET AL. 1984
EVANS ET AL. 1979
LJUNGBLAD ET AL. 1984b

Biology: Life history

MARQUETTE 1978a
MURPHY & JARRELL 1983a
NOAA 1984
NERINI ET AL. 1983a
NERINI ET AL. 1984
RIDGEWAY 1972
SEVERINGHAUS 1979
TOMLIN 1957

HUKCH SEA

AK GEOR. 1979
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982a
BRAHAM 1983a
BRAHAM 1984b
BRAHAM ET AL. 1981
BRAHAM ET AL. 1984
BREJWICK ET AL. 1984
DURHAM 1980
EVANS ET AL. 1979
LUNGBLAD ET AL. 1984b
MARQUETTE 1978a
MURPHY & JARRELL 1983a
NOAA 1984
NERINI ET AL. 1983a
NERINI ET AL. 1984
RIDGEWAY 1972
SEVERINGHAUS 1979
TOMLIN 1957

GULF OF ALASKA

AK GEOR. 1979
NOAA 1984
SEVERINGHAUS 1979

NOT AREA SPECIFIC

ALLEN, K. R. 1980
AUDUBON 1975
BARTHOLOMEW 1974
BOCKSTOCE & BOTKIN 1983
CCCP 1980
CUBBAGE ET AL. 1984
DURHAM 1980
GAMBELL 1976
HARRISON & KING 1985
HILL 1975
JARRELL 1982
JONSEGARD 1989
MURPHY & JARRELL 1983b
NERINI ET AL. 1983b
NERINI ET AL. 1984
YABLOKOV & BERZIN 1978

Biology: Life history

NORTH PACIFIC

AK GEOR. 1979
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
MURPHY & JARRELL 1983a
NOAA 1984
RIDGEWAY 1972
SCHEFFER 1978
SEVERINGHAUS 1979
TOMILIN 1957



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Biology: Morphology

ARCTIC

BRAHAM 1984b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
DURHAM 1980

ATLANTIC

NEMOTO 1959

B EAUFORT SEA

ALBERT & PHILO 1979
BAILEY & HENDEE 1926
BERZIN & KUZ'MIN 1975
BRAHAM 1984b
BRAHAM & LEATHERWOOD 1978
BRAHAM ET AL. 1979b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980c
BRAHAM ET AL. 1980e
DURHAM 1980
EVANS ET AL. 1979
JARRELL 1979b
JARRELL 1981b
NEMOTO 1959
PIKE 1956
SINETI 1978
TOMILIN 1957

BERING SEA

BAILEY & HENDEE 1926
BERZIN & KUZ'MIN 1975
BRAHAM 1984b
BRAHAM & LEATHERWOOD 1978
BRAHAM ET AL. 1979b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980c
BRAHAM ET AL. 1980e
ESCHRICHT & REINHARDT 1866
EVANS ET AL. 1979
JARRELL 1979c
NEMOTO 1959
PIKE 1956
SINETI 1978
TOMILIN 1957

CHUKCHI SEA

BAILEY & HENDEE 1926
BERZIN & KUZ 'MIN 1975
BRAHAM 1984b
BRAHAM & LEATHERWOOD 1978
BRAHAM ET AL. 1979b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980c
BRAHAM ET AL. 1980e
DURHAM 1980
EVANS ET AL. 1979

Biology: Morphology

FOOTE 1944
JARRELL 1979
JARRELL 1979c
JARRELL 1981b
NEMOTO 1959
PIKE 1956
SINETI 1978
TOMILIN 1957

GULF OF ALASKA

SINETI 1978

GREENLAND

ESCHRICHT & REINHARDT 1866

NOT AREA SPECIFIC

ABDELBAKI ET AL. 1980
AINLEY ET AL. 1980
ALBERT 1981d
ALBERT & PHILO 1979
BRODIE 1981
DURHAM 1969
DURHAM 1980
FETTER & EVERITT 1981
GASKIN 1976
GASKIN 1982
GERACI ET AL. 1983
HALDIMAN ET AL. 1983
HARRISON & KING 1965
HENK & ABDELBAKI 1985
HOYT 1984
JARRELL 1979b
JARRELL 1981b
KIMURA n.d.
MAZAK & HONCU 1983
MILLER, G. S. 1923
NEMOTO 1959
NORRIS, K. S. 1977
OMURA 1971
PIVORUNAS 1976
RIDGWAY 1981
SHIVELY ET AL. 1985
SLIJPER 1962b
TARPLEY ET AL. 1985
WILLIAMSON 1983

NORTH ATLANTIC

ESCHRICHT & REINHARDT 1866
PLISNIER-LADAME & QUINET 1969

NORTH PACIFIC

BERZIN & DOROSHENKO 1981
BRAHAM ET AL. 1980a
KASUYA 1970
NEMOTO 1959
NISHIWAKI & KASUYA 1970

Biology: ?morphology

PIKE 1956
ROVNIN 1970
SINETI 1978
TOMILIN 1957

OKHOTSK SEA

BERZIN & DOROSHENKO 1981
BRAHAM ET AL. 1980e
ROVNIN 1970

Biology: Reproduction

ARCTIC	EVERITT, R. D., & KROGMAN 1979
BEAUFORT SEA	BRAHAM ET AL. 1984 EVERITT, R. D. & KROGMAN 1979 GUSEY 1983 KROGMAN & EVERITT 1977 KROGMAN ET AL. 1977 NERINI ET AL. 1983a
BERING SEA	BRAHAM ET AL. 1964 GUSEY 1983 KROGMAN ET AL. 1977 NERINI ET AL, 1983a
CANADA	MITCHELL. ET AL. 1979
CHUKCHI SEA	BRAHAM ET AL. 1984 EVERITT, R. D. & KROGMAN 1979 GUSEY 1983 KROGMAN & EVERITT 1977 KROGMAN ET AL. 1977 NERINI ET AL. 1983a
NOT AREA SPECIFIC	CLARKE, R. 1957 FOWLER 1984 GASKIN 1976 HOYT 1984 KAWAMURA 1975 NORRIS, K. S. 1977 SLIJPER 1962a SLIJPER 1962b SLIJPER 1979 YABLOKOV & BERZIN 1978
NORTH ATLANTIC	MITCHELL ET AL. 1979
NORTH PACIFIC	CLARKE} R. 1957 ROVNIN 1970
OKHOTSK SEA	ROVNIN 1970

Biology: Pathology

ARCTIC	ARVY 1980 EVERITT, J. 1983 SHULTS 1979
BEAUFORT SEA	ALBERT 1979 ALBERT 1981a ALBERT 1981c ALBERT 1981g ALBERT & PHILO 1979 EVERITT, J. 1983 GUSEY 1983 HECKMAN ET AL. 1979 HURLEY & MOHR 1957 MIGAKI 1979a MIGAKI 1979b MIGAKI 1981 NAVAL ARCTIC RESEARCH LAB 1979 SHULTS 1979 SMITH, A. W. 1979b SMITH, A. W. ET AL. 1981 TOMILIN 1957
BERING SEA	EVERITT, J. 1983 GUSEY 1983 NAVAL ARCTIC RESEARCH LAB 1979 TOMILIN 1957
CANADA	ARVY 1980
CHUKCHI SEA	ALBERT 1979 ALBERT 1981a ALBERT 1981c ALBERT 1981g EVERITT, J. 1983 GUSEY 1983 HECKMAN ET AL. 1979 HURLEY & MOHR 1957 MIGAKI 1979a MIGAKI 1981 NAVAL ARCTIC RESEARCH LAB 1979 SHULTS 1979 SMITH, A. W. 1979b SMITH, A. W. ET AL. 1981 TOMILIN 1957
NOT AREA SPECIFIC	ALBERT 1979 ALBERT 1981a ALBERT 1981c ALBERT 1981g ALBERT & PHILO 1979 FAY ET AL. 1979

Biology: Pathology

GERACI & ST. AUBIN 1982d
GERACI & ST. AUBIN 1982h
HALDIMAN ET AL. 1981a
HECKMAN 1981
HECKMAN ET AL. 1979
JOHNSTON & SHUM 1979
JOHNSTON & SHUM 1981
JONES & TARPLEY 1981
LEUNG 1967
MEDWAY 1981
MIGAKI 1979a
MIGAKI 1979b
MIGAKI 1981
MIGAKI ET AL. 1982
NAVAL ARCTIC RESEARCH LAB 1979
ROWNTREE 1983
SHOTTS ET AL. 1985
SMITH, A. W. 1979b
SMITH, A. W. ET AL. 1981
TOMILIN 1955

NORTH ATLANTIC

ARVY 1980

NORTH PACIFIC

TOMILIN 1957

Biology: Physiology

ALASKA	RICHARDSON ET AL, 1985c WURSIG ET AL. 1985b
ANTARCTICA	NEMOTO 1957
ARCTIC	ALBERT (ED.) 1983 ALBERT ET AL, 1982 BRAHAM ET AL. 1980a BRAHAM ET AL. 1980e COWLES 1981a DURHAM 1980 EVERITT, J. 1983 HERWIG ET AL. 1984 JOHNSON, J, H. ET AL. 1981 KELLOGG 1979 MARQUETTE ET AL. 1982 NERINI ET AL. 1983b SEVERINGHAUS 1979 TARPLEY ET AL. 1983 WURSIG ET AL. 1984a
ATLANTIC	NEMOTO 1959
BEAUFORT SEA	ABDELBAKI ET AL. 1984 ALBERT 1979 ALBERT 1981c ALBERT 1981g ALBERT & PHILO 1979 ALBERT (ED.) 1983 ALBERT (ED.) 1985 ALBERT ET AL. 1980 " ALBERT ET AL. 1982 BRAHAM 1983a BRAHAM ET AL. 1979b BRAHAM ET AL. 1979f BRAHAM ET AL. 1980a BRAHAM ET AL. 1980c BRAHAM ET AL. 1980e COWLES 1981a DUFFIELD ET AL. 1983 DURHAM 1980 EVERITT, J. 1983 JOHNSON, J. H. ET AL. 1981 KENNEY 1979 KENNEY & EVERITT 1979 KENNEY & GARCIA 1981 MARQUETTE ET AL. 1982 MEDWAY 1980 MIGAKI 1979b NAVAL ARCTIC RESEARCH LAB 1979 NEMOTO 1957

Biology: Physiology

NEMOTO 1959
RICHARDSON ET AL. 198%
SCAMMON 1874
SEVERINGHAUS 1979
SMITH, A. W. 1979a
TOMILIN 1957
WURSIG ET AL. 1984a
WURSIG ET AL. 1985b

BERING SEA

ABDELBAKI ET AL. 1984
ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALBERT ET AL. 1982
BRAHAM 1983a
BRAHAM ET AL. 1979b
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980c
BRAHAM ET AL. 1980e
COWLES 1981a
EVERITT, J. 1983
HILLS & VALENTINE 1982
JOHNSON, J. H. ET AL. 1981
KELLOGG 1929
MARQUETTE ET AL. 1982
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1957
NEMOTO 1959
SCAMMON 1874
SEVERINGHAUS 1979
TOMILIN 1957

CANADA

RICHARDSON ET AL. 1985c
WURSIG ET AL. 1985b

CHUKCHI SEA

ABDELBAKI ET AL. 1984
ALBERT 1979
ALBERT 1981c
ALBERT 1981g
ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALBERT ET AL. 1982
BRAHAM 1983a
BRAHAM ET AL. 1979b
BRAHAM ET AL. 1979f
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980c
BRAHAM ET AL. 1980e
COWLES 1981a
DURHAM 1980
EVERITT, J. 1983

Biology: Physiology

JOHNSON, J. H. ET AL. 1981
KELLOGG 1929
KENNEY 1979
KENNEY & GARCIA 1981
MARQUETTE ET AL. 1982
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1957
NEMOTO 1959
SCAMMON 1874
SEVERINGHAUS 1979
SMITH, A. W. 1979a
TOMILIN 1957

GULF OF ALASKA

NEMOTO 1957
SEVERINGHAUS 1979

NOT AREA SPECIFIC

ABDELBAKI ET AL. 1981
ABDELBAKI ET AL. 1983
ABDELBAKI ET AL. 1984
AGARKOV ET AL. 1979
ALBERT 1979
ALBERT 1980a
ALBERT 1980b
ALBERT 1981c
ALBERT 1981d
ALBERT' 1981e
ALBERT 1981g
ALBERT & PHILO 1979
ALBERT (ED.) 1983
ALBERT (ED.) 1985
ALBERT ET AL. 1980
BRODIE 1981
BRODIE 1982
BUCHANON 1828
CAMPBELL ET AL. 1983 "
CHOUTEAU & CORRIOL 1971
CURRAN & ASHER 1974
DUBIELZIG & AGUIRRE 1979a
DUBIELZIG & AGUIRRE 1979b
DUBIELZIG & AGUIRRE 1981
DUFFIELD 1985
DUFFIELD ET AL. 1981
DUFFIELD ET AL. 1983
DURHAM 1979b
OURHAN 1980
FETTER & EVERITT 1979
FETTER & EVERITT 1981
GERACI & ST. AUBIN 1982h
GERACI ET AL. 1983
HALDIMAN & CAMPBELL 1985
HALDIMAN ET AL. 1981a

Biology: Physiology

HALDIMAN ET AL. 1981b
HALDIMAN ET AL. 1981c
HALDIMAN ET AL. 1983
HALDIMAN ET AL. 1984
HALDIMAN ET AL. 1985
HARRISON & KING 1965
HENK & ABDELBAKI 1985
HENK ET AL. 1983
HENRY ET AL. 1981
HENRY ET AL. 1983
HERWIG ET AL. 1983
HERWIG ET AL. 1984
HOSOKAWA & KAMIYA 1971
JARRELL 1979a
JONGGAARD 1969
KANWISHER & RIDGWAY 1983
KAWAMURA 1975
KELLOGG 1928
KENNEY 1979
KENNEY & EVERITT 1979
KENNEY & GARCIA 1981
KIMURA n.d.
KOORYMAN & ANDERSEN 1967
KOORYMAN ET AL. 1981
LAMBERTSEN 1983
MATTHEWS 1975
MEDWAY 1979a
MEDWAY 1979b
MEDWAY 1980
MEDWAY 1981
MIGAKI 1979b
MIGAKI & ALBERT N.D.
MILLER, G. S. 1923
MITCHELL 1983
MORRIS 1972
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1959
NEMOTO 1970
NERINI ET AL. 1983b
NORRIS J. J. & LEATHERWOOD 1981
NORRIS K. S. 1977
OMURA 1971
PIVORUNAS 1976
REYERSBACH DE HAAN 1957
RIDGWAY 1981
RUUD 1945
SCHEVILL ET AL. 1967
SHOTTS ET AL. 1985
SIS & TARPLEY 1981
SLIJPER 1962a
SLIJPER 1962b

Biology: Physiology

SLIJPER 1979
SMITH, A. W. 1979a
ST. AUBIN ET AL. 1984
TARPLEY ET AL. 1983
TARPLEY ET AL. 1985
TOMILIN 1955
WAHRENBROCK ET AL. 1974
WATKINS 1985a

NORTH PACIFIC

ALBERT (ED.) 1983
BRAHAM ET AL. 1980e
HERWIG ET AL. 1984
JOHNSON] J. H. ET AL, 1981
KELLOGG 1929
NEMOTO 1957
NEMOTO 1959
SCAMMON 1874
SEVERINGHAUS 1979
TOMILIN 1957

OKHOTSK SEA

BRAHAM ET AL. 1980e

Biology: Taxonomy

ARCTIC	BRAHAM ET AL. 1980c SCORESBY 1820 SEVERINGHAUS 1979
BEAUFORT SEA	BERZIN & KUZ'MIN 1975 BRAHAM & LEATHERWOOD 1978 BRAHAM ET AL. 1980c BRAHAM ET AL. 1980e CLEMONS 1980 JARRELL 1981b SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	BERZIN & KUZ'MIN 1975 BRAHAM & LEATHERWOOD 1978 BRAHAM ET AL. 1980c BRAHAM ET AL. 1980e CLEMONS 1980 ESCHRICHT & REINHARDT 1866 SCORESBY 1820 SEVERINGHAUS 1979 TOMILIN 1957
CHUKCHI SEA	BERZIN & KUZ'MIN 1975 BRAHAM & LEATHERWOOD. 1978, BRAHAM ET AL. 1980c BRAHAM ET AL. 1980e CLEMONS 1980 JARRELL 1981b SEVERINGHAUS 1979 TOMILIN 1957
GULF OF ALASKA	SEVERINGHAUS 1979
GREENLAND	ESCHRICHT & REINHARDT 1666 SCORESBY 1820
NOT AREA SPECIFIC	AINLEY ET AL. 1980 ARNASON ET AL. 1962 AUDUBON 1975 GASKIN 1976 HARRISON & KING 1965 HERSHKIVITZ 1966 HILL 1975 JARRELL 1981b RICE 1977 SLIJPER 1962a SLIJPER 1962b SLIJPER 1979 WILLIAMSON 1983

Biology: Taxonomy

NORTH ATLANTIC	ESCHRICHT & REINHARDT 1866
NORTH PACIFIC	BERZIN & DOROSHENKO 1981 BRAHAM ET AL. 1980e SEVERINGHAUS 1979 TOMILIN 1957
OKHOTSK SEA	BERZIN & DOROSHENKO 1981 BRAHAM ET AL. 1980e

Biology: Techniques

ARCTIC	SEVERINGHAUS 1979
BEAUFORT SEA	BRAHAM & RUGH 1983b BRAHAM ET AL. 1979b CUBBAGE & RUGH 1983 CUBBAGE ET AL. 1984 NERINI 1985 SEVERINGHAUS 1979
BERING SEA	BRAHAM ET AL. 1979b SEVERINGHAUS 1979
CALIFORNIA	SCHAFER ET AL. 1983
CANADA	CUBBAGE & RUGH 1983
CHUKCHI SEA	BRAHAM ET AL. 1979b SEVERINGHAUS 1979
GULF OF ALASKA	SEVERINGHAUS 1979
NOT AREA SPECIFIC	BENNETT & LJUNGBLAD 1983 CUBBAGE & RUGH 1983 CUBBAGE ET AL. 1984 CURRAN & ASHER 1974 DURHAM 1969 FAY ET AL. 1979 FOLLMANN & MILLER 1981 GERACI & ST. AUBIN 1982e JONGGAARD 1969 MERCER ET AL. 1978 MORRIS 1972 RUUD 1945 SCHAFER ET AL. 1983 WAHRENBROCK ET AL. 1974 WATKINS 1982a WATKINS 1985b
NORTH PACIFIC	SCHAFER ET AL. 1983 SEVERINGHAUS 1979

Commercial Whaling: Historic commercial whaling

	MONROE 1854 WATJEN 1919
ARCTIC	DE JONG 1983 DURHAM 1972b MITCHELL & REEVES 1981 REEVES 1980 ROSS 1979 SCORESBY 1820 TILLMAN ET AL. 1983
BEAUFORT SEA	BREIWICK ET AL. 1981 FRAKER & BOCKSTOCE 1980 MARQUETTE & BOCKSTOCE 1980 MITCHELL & REEVES 1981 MURDOCH 1885 ROSS 1979 TILLMAN ET AL. 1983 WINN ET AL. 1985
BERING SEA	BREIWICK ET AL. 1981 MARQUETTE & BOCKSTOCE 1980 ROSS 1979 SCORESBY 1820 TILLMAN ET AL. 1983 WINN ET AL. 1985
CHUKCHI SEA	BREIWICK ET AL. 1981 MARQUETTE & BOCKSTOCE 1980 MURDOCH 1885 ROSS 1979 TILLMAN ET AL. 1983 WINN ET AL. 1985
GREENLAND	REEVES 1980 ROSS 1979 SCORESBY 1820 VIBE 1967
NOT AREA SPECIFIC	TOWNSEND 1935b
NORTH ATLANTIC	REEVES 1980 TUCK & GRENIER 1981 VIBE 1967
NORTH PACIFIC	DURHAM 1972b TILLMAN ET AL. 1983

Contaminants: Drilling muds

NOT AREA SPECIFIC

RICHARDSON ET AL. 1983a

Contaminants: Mercury

CALIFORNIA	SCHAFER ET AL. 1983
NOT AREA SPECIFIC	SCHAFER ET AL. 1983
NORTH PACIFIC	SCHAFER ET AL. 1983

Contaminants: Trace metals

BEAUFORT SEA	NEWBURY 1979 OVERTON ET AL. 1985
BERING SEA	OVERTON ET AL. 1985
CALIFORNIA	SCHAFER ET AL. 1963
CHUKCHI SEA	OVERTON ET AL. 1985
NOT AREA SPECIFIC	NEWBURY 1979 OVERTON ET AL. 1985 SCHAFER ET AL. 1983
NORTH PACIFIC	SCHAFER ET AL. 1983

Ecology: Behavior

ALASKA

MALME ET AL. 1985
RICHARDSON ET AL. 1985c
WURSIG ET AL. 1985b

ARCTIC

ALBERT ET AL. 1982
BOERI 1983
BRAHAM 1980
BRAHAM 1983b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
CHRISTIANSEN 1963
COWLES 1981a
DAVIS ET AL. 1983
EVERITT, R. D. } & KROGMAN 1979
FRAKER & WURSIG 1981
JOHNSON, J. H. ET AL. 1981
LJUNGBLAD ET AL. 1985e
RAY, G. C. ET AL. 1984
REED ET AL. 1984
RICHARDSON ET AL. 1983c
RICHARDSON ET AL. 1985d
SCHEFFER 1978
SCORESBY 1820
WURSIG ET AL. 1983b
WURSIG ET AL. 1984a

ATLANTIC

NEMOTO 1959

BEAUFORT SEA

ALBERT (ED.) 1985
ALBERT ET AL. 1982
ALLEN, A. J. 1978
BAILEY & HENDREE 1926
BIRD 1985
BOERI 1983
BRAHAM 1980
BRAHAM 1983b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1984
BROWER, C. D. 1942
CARROLL & SMITHISLER 1980
CLARK, C. W. ET AL. 1985b
COWLES 1981a
DAVIS ET AL. 1983
DURHAM 1973b
EVANS ET AL., . 1979
EVERITT, R. D. , & KROGMAN 1979
FRAKER 1984
FRAKER & WURSIG 1981
GUSEY 1983

HOBBS & GOEBEL 1982
JOHNSON, J. H. ET AL. 1981
JOHNSON, S. R. 1983
KROGMAN & EVERITT 1977
KROGMAN & EVERITT 1978
KROGMAN ET AL. 1977
KROGMAN ET AL. 1982
KROGMAN ET AL. 1983a
LJUNGBLAD 1981
LJUNGBLAD 1983c
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984a
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985a
LJUNGBLAD ET AL. 1985b
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LJUNGBLAD ET AL. 1986
MARQUETTE 1978a
MARQUETTE & BRAHAM 1982
MATE & HARVEY 1982
MOORE' ET AL. 1984
NOAA 1984
NEMOTO "1959
RAY, G. C. ET AL. 1984
REED ET AL. 1984
REEVES & LJUNGBLAD 1983
REEVES ET AL. 1983a
RICHARDSON 1981
RICHARDSON 1982
RICHARDSON 1984
RICHARDSON 1965a
RICHARDSON 1985b
RICHARDSON 1985c
RICHARDSON & FRAKER 1981
RICHARDSON & FRAKER 1982
RICHARDSON & WURSIG 1984
RICHARDSON ET AL. 1983c
RICHARDSON ET AL. 1984b
RICHARDSON ET AL. 1985a
RICHARDSON ET AL. 1985c
RICHARDSON ET AL. 1985d
RIDGEWAY 1972
SCAMMON 1874
SERGEANT & HOEK 1974
SONNTAG ET AL. 1961
TOMILIN 1957

WURSIG ET AL. 1981
WURSIG ET AL. 1982
WURSIG ET AL. 1983b
WURSIG ET AL. 1984a
WURSIG ET AL. 1984b
WURSIG ET AL. 1985a
WURSIG ET AL. 1985b

BERING SEA

ALBERT (ED.) 1985
ALBERT ET AL. 1982
BAILEY & HENDREE 1926
BOERI 1983
BRAHAM 1980
BRAHAM 1983b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1984
CARROLL & SMITHHISLER 1980
COWLES 1981a
DURHAM 1973b
EVANS ET AL. 1979
FRAKER 1984
GUSEY 1983
HILLS & VALENTINE 1982
JOHNSON, J. H. ET AL. 1981
KROGMAN ET AL. 1977
KUZ'MIN & BERZIN 1975
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. " 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MARQUETTE 1978a
MARQUETTE & BRAHAM 1982
HOORE ET AL. 1984
NOAA 1984
NEMOTO 1959
REED ET AL. 1984
RIDGEWAY 1972
SCAMMON 1874
SCORESBY 1820
TOMILIN 1957

CANADA

FRAKER & WURSIG 1981
RICHARDSON 1985a
RICHARDSON ET AL. 1985a

CHUKCHI SEA

RICHARDSON ET AL. 1985c
WURSIG ET AL. 1985b

ALBERT (ED.) 1985
ALBERT ET AL. 1982
ALLEN, A. J. 1978
BAILEY & HENDEE 1926
BOERI 1983
BRAHAM 1980
BRAHAM 1983b
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1984
BROWER, C. O. 1942
CARROLL & SMITHHISLER 1980
CLARK, C. W. ET AL. 1985b
COULES 1981a
DURHAM 1973b
EVANS ET AL. 1979
EVERITT, R. D., & KROGMAN 1979
FRAKER 1984
GUSEY 1983
JOHNSON, J. H. ET AL. 1981
KROGMAN & EVERITT 1977
KROGMAN & EVERITT 1978
KROGMAN ET AL. 1977
KROGMAN ET AL. 1982
KROGMAN ET AL. 1983a
KUZ'MIN & BERZIN 1975
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MARQUETTE 1978a
MARQUETTE & BRAHAM 1982
MOORE ET AL. 1984
MOORE ET AL. 1985
NOAA 1984
NEMOTO 1959
RAINEY 1940
RAY, G. C. ET AL. 1964
REED ET AL. 1984
RIDGEWAY 1972
RUGH & CUBBAGE 1980
SCAMMON 1874

Ecology: Behavior

	SONNTAG ET AL. 1961 TOMILIN 1957
GULF OF ALASKA	NOAA 1984
GREENLAND	CHRISTIANSEN 1963 SCORESBY 1820
MEXICO	MATE & HARVEY 1982
NOT AREA SPECIFIC	ALBERT (ED.) 1985 AUDUBON 1975 BIRD 1983 BIRD 1985 FOLLMANN & MILLER 1981 GASKIN 1976 GASKIN 1982 GERACI & ST. AUBIN 1982b GERACI & ST. AUBIN 1982h HILL 1975 HOBBS & GOEBEL 1982 HOYT 1984 LEATHERWOOD ET AL. 1982 MALME ET AL. 1983 MATTHEWS 1975 NEMOTO 1959 NEMOTO 1970 NORRIS, K. S. 1977 OMURA 1971 SLIJPER 1962a SLIJPER 1962b SLIJPER 1979 TOMILIN 1955 WATKINS 1982b
NORTH PACIFIC	BERZIN & DOROSHENKO 1981 BIRD 1985 BRAHAM ET AL. 1980a JOHNSON, J. H. ET AL. 1981 MALME ET AL. 1985 MATE & HARVEY 1982 NOAA 1984 NEMOTO 1959 RAY, G. C. ET AL. 1984 RIDGEWAY 1972 ROVNIN 1970 SCAMMON 1874 SCHEFFER 1978 TOMILIN 1957
OKHOTSK SEA	BERZIN & DOROSHENKO 1981

Ecology: Behavior

BRAHAM ET AL. 1980e
ROVNIN 1970

Ecology: Ecology

BEAUFORT SEA

NOAA 1977b

BERING SEA

MC ALISTER 198

NOAA 1977b

CHUKCHI SEA

NOAA 1977b

Ecology: Energetic

NOT AREA SPECIFIC

BRODIE 1982
GASKIN 1982

Ecology: Evolution

NOT AREA SPECIFIC

ARNASON ET AL. 1982
ARNASON ET AL. 1984
BAUM & WHEELER 1977
GASKIN 1976
GASKIN 1982
HARRISON & KING 1965
JARRELL 1979a
KANWISHER & RIDGWAY 1983
KELLOGG 1928
MILLER, G. S. 1923
SLIJPER 1962a
SLIJPER 1979

VIRGINIA

BAUM & WHEELER 1977

Ecology: Feeding

ALASKA	MALME ET AL. 1985 WURSIG ET AL. 1985b
ANTARCTICA	NEMOTO 1957
ARCTIC	BRAHAM 1982c BRAHAM ET AL. 1980a BRAHAM ET AL. 1980e COWLES 1981a FRAKER & WURSIG 1981 HERWIG ET AL. 1984 JOHNSON, J. H. ET AL. 1981 LJUNGBLAD ET AL. 1985e LOWRY & FROST 1983b MARQUETTE 1979 MARQUETTE ET AL. 1982 MILLER, R. V. ET AL. 1985 SCORESBY 1820 WURSIG ET AL. 1983b
ATLANTIC	NEMOTO 1959
BEAUFORT SEA	BRAHAM 1982c BRAHAM ET AL. 1980a BRAHAM ET AL. 1980e BRAHAM ET AL. 1981 BRAHAM ET AL. 1984 BRAITHWAITE 1979b BRAITHWAITE 1979c COWLES 1981a EVANS & CUCCARESE 1980 EVANS ET AL. 1979 FRAKER 1980 FRAKER 1984 FRAKER & WURSIG 1981 FROST & LOWRY 1981a FROST & LOWRY 1981b FROST & LOWRY 1985 GRIFFITHS 1981 GRIFFITHS & BUCHANAN 1982 GUSEY 1983 HARWOOD & FORO 1982 HORNER & WENCKER 1979 JOHNSON, J. H. ET AL. 1981 JOHNSON} S. R. 1983 LGL ECOL. RESEARCH ASSOC. 1983 LGL ECOL. RESEARCH ASSOC. 1985 LJUNGBLAD 1983a LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984a

Ecology: Feeding

LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LJUNGBLAD ET AL. 1986
LOWRY & BURNS 1979
LOWRY & BURNS 1980
LOWRY & FROST 1983a
LOWRY & FROST 1983b
LOWRY & FROST 1984
LOWRY ET AL. 1978
LOWRY ET AL. 1979
MARQUETTE 1977
MARQUETTE 1978a
MARQUETTE 1979
MARQUETTE ET AL. 1982
MORRIS & JOHNSON 1985
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NEMO-TO 1957
NEMOTO 1959
RICHARDSON 1981
RICHARDSON 1982
RICHARDSON 1984
RICHARDSON 1985a
RICHARDSON & FRAKER 1981
RICHARDSON & FRAKER 1982
RICHARDSON & WURSIG 1984
RIDGEWAY 1972
TOMILIN 1957
WURSIG ET AL. 1981
WURSIG ET AL. 1982
WURSIG ET AL. 1983b
WURSIG ET AL. 1984b
WURSIG ET AL. 1985a
WURSIG ET AL. 1985b

BERING SEA

BRAHAM 1982c
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1982
BRAHAM ET AL. 1984
COWLES 1981a
COWLES 1981b
EVANS & CUCCARESE 1980
EVANS ET AL. 1979
FEDOSEEV 1966
FRAKER 1984
FROST & LOWRY 1981c
GUSEY 1983
HAZARD & LOWRY 1984

Ecology: Feeding

HILLS & VALENTINE 1982
HORNER & WENCKER 1979
JOHNSON, J. H. ET AL. 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LOWERY 1982
LOWRY & FROST 1983a
LOWRY & FROST 1983b
LOWRY & FROST 1984
LOWRY & FROST none
LOWRY ET AL. 1981
LOWRY ET AL. 1982
MARQUETTE 1977
MARQUETTE. 1978a
MARQUETTE .1979
MARQUETTE ET AL. 1982
MC ALISTER 1981
MILLER, R. V. ET AL, 1965
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1957
NEMOTO 1959
OLIVER 1981
RIDGEWAY 1972
SCORESBY 1820
SLEPTSOV 1961
TOMILIN 1957

CANADA

FRAKER & WURSIG 1981
HARWOOD & FORD 1962
RICHARDSON 1985a
WURSIG ET AL. 1985b

CHUKCHI SEA

BRAHAM 1982c
BRAHAM ET AL. 1980a
BRAHAM ET AL, 1980e
BRAHAM ET AL. 1981
BRAHAM ET AL. 1984
BRÄITHWAITE 1979b
COWLES 1981a
DAVIS & THOMSON 1984
EVANS & CUCCARESE 1980
EVANS ET AL. 1979
FEDOSEEV 1966
FRAKER 1964
GUSEY 1983
JOHNSON, J. H. ET AL. 1981
LJUNGBLAD ET AL. 1982a

Ecology: Feeding

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LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LOWRY & FROST 1983a
LOWRY & FROST 1983b
LOWRY & FROST 1984
LOWRY ET AL. 1978
MARQUETTE 1977
MARQUETTE 1978a
MARQUETTE 1979
MARQUETTE ET AL. 1982
MILLER, R. V. ET AL. 1985
NOAA 1984
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1957
NEMOTO 1959
OLIVER 1981
RIDGEWAY 1972
SLEPTSOV 1961
TOMILIN 1957

GULF OF ALASKA

NOAA 1984
NEMOTO 1957

GREENLAND

SCORESBY 1820

NOT AREA SPECIFIC

ALLEN, K. R. 1980
BRODIE 1981
BRODIE 1982
GASKIN 1976
GASKIN 1982
HERWIG ET AL. 1983
HERWIG ET AL. 1984
HOSOKAWA & KAMIYA 1971
HOYT 1984
KANWISHER & RIDGWAY 1983
KAWAMURA 1975
NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1959
NEMOTO 1970
PIVORUNAS 1976
SLIJPER 1962a
SLIJPER 1962b
SLIJPER 1979
TOMILIN 1955

NORTH PACIFIC

BRAHAM ET AL. 1980e
EVERITT, R. D. ET AL. 1980
HERWIG ET AL. 1984
JOHNSON, J. H. ET AL. 1981

Ecology: Feeding

MALME ET AL. 1985
MARQUETTE 1979
NOAA 1984
NEMOTO 1957
NEMOTO 1959
RIDGEWAY 1972
SLEPTSOV 1961
TOMILIN 1957

OKHOTSK SEA

BRAHAM ET AL. 1980e

OREGON

EVERITT, R. D. ET AL. 1980

SOVIET UNION

MILLER, R. V. ET AL. 1985

WASHINGTON STATE

EVERITT, R. D. ET AL. 1980

Ecology: Habitat

ALASKA	WURSIG ET AL. 1985b
ANTARCTICA	NEMOTO 1957
ARCTIC	BRAHAM ET AL. 1980a BRAHAM ET AL. 1980e DURHAM 1972b FAO 1978 HUFFORD 1982 JOHNSON, J. H. ET AL. 1981 LJUNGBLAD ET AL. 1985e MILLER, R. V. ET AL. 1985 MITCHELL & REEVES 1982 RICHARDSON ET AL. 1985b SABO 1981 SABO & JACOBS 1980 SCHLEDERMANN 1976
BEAUFORT SEA	BORSTAD 1984 BRAHAM ET AL. 1980a BRAHAM ET AL. 1980d BRAHAM ET AL. 1980e BURNS ET AL. 1976 DURHAM 1979a EVANS ET AL. 1979 FRAKER 1979 FROST & LOWRY 1981a GRIFFITHS 1981 GRIFFITHS & BUCHANAN 1982 HANSON 1979 HUFFORD 1982 JOHNSON, J. H. ET AL. 1981 JOHNSON, S. R. 1983 KELLEY 1979 LGL ECOL. RESEARCH ASSOC. 1983 LJUNGBLAD 1983a LJUNGBLAD ET AL. 1982a LJUNGBLAD ET AL. 1984c LJUNGBLAD ET AL. 1985d LJUNGBLAD ET AL. 1985e LJUNGBLAD ET AL. 1986 NASU 1960 NOAA 1977b NOAA 1984 NEMOTO 1957 RICHARDSON 1984 RICHARDSON 1985a RICHARDSON ET AL. 1984a RICHARDSON ET AL. 1985b TOMILIN 1957 WURSIG ET AL. 1982

Ecology: Habitat

WURSIG ET AL. 1985b

BERING SEA

BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980d
BRAHAM ET AL. 1980e
BRUEGGEMAN & GROTEFENDT 1983
BRUEGGEMAN & GROTEFENDT 1985
BURNS ET AL. 1976
DURHAM 1979a
EVANS ET AL. 1979
FAY 1974
FAO 1978
HILLS & VALENTINE 1982
HUFFORD 1982
JOHNSON, J. H. ET AL. 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MILLER, R. V. ET AL. 1985
NASU 1960
NOAA 1977b
NOAA 1984
NEMOTO 1957
RAY9 G. C. , & WARTZOK 1975
TOMILIN 1957

CANADA

FRAKER 1979
RICHARDSON 1985a
RICHARDSON ET AL. 1985b
WURSIG ET AL, 1985b

CHUKCHI SEA

BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980d
BRAHAM ET AL. 1980e
BURNS ET AL. 1976
OURHAM 1979a
EVANS ET AL. 1979
HUFFORD 1982
JOHNSON) J. H. ET AL. 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MILLER, R. V. ET AL. 1985
MOORE ET AL. 1985
NASU 1960
NOAA 1977b
NOAA 1984
NEMOTO 1957
TOMILIN 1957

Ecology: Models

BEAUFORT SEA	APPLIED SCI. ASSOC. ET AL 1985
BERING SEA	APPLIED SCI. ASSOC. ET AL 1985
CHUKCHI SEA	APPLIED SCI. ASSOC. ET AL 1985
GULF OF ALASKA	APPLIED SCI. ASSOC. ET AL 1985

Ecology: Sounds

ALASKA

RICHARDSON ET AL. 1985c
WURSIG ET AL. 1985b

ARCTIC

ALDRICH 1889
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
CUMMINGS 1983b
LJUNGBLAD ET AL. 1985e

BEAUFORT SEA

ALBERT 1981g
ALDRICH 1889
BRAHAM 1983a
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
CLARK, C. U. 1981
CLARK, C. W. 1983
CLARK, C. W. ET AL. 1985a
CLARK, C. W. ET AL. 1985b
CLARK, C. W. ET AL. 1985c
CLARK, C. U., & JOHNSON 1983
CUMMINGS 1983a
CUMMINGS 1983b
ELLISON ET AL. 1985b
FRAKER 1984
GALES 1982
GUSEY 1983
HOLLIDAY ET AL. 1980
KELLEY ET AL. 1979
KELLEY ET AL. 1982
KO ET AL. 1985
KROGMAN ET AL. 1983a
LJUNGBLAD 1981
LJUNGBLAD 1983c
LJUNGBLAD ET AL. 1979a
LJUNGBLAD ET AL. 1979b
LJUNGBLAD ET AL. 1960a
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1982b
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MOORE & LJUNGBLAD 1983
HOORE ET AL. 1984
NAVAL ARCTIC RESEARCH LAB 1979
RICHARDSON 1984
RICHARDSON 1985a
RICHARDSON & FRAKER 1982
RICHARDSON ET AL. 1985c

Ecology: Sounds

TOMILIN 1957
WURSIG ET AL. 1981
WURSIG ET AL. 1982
WURSIG ET AL. 1984b
WURSIG ET AL. 1985b

BERING SEA

BRAHAM 1983a
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
CUMMINGS 1983b
FRAKER 1984
GUSEY 1983
KELLEY ET AL. 1982
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MOORE & LJUNGBLAD 1983
MOORE ET AL. 1984
NAVAL ARCTIC RESEARCH LAB 1979
TOMILIN 1957

CANADA

RICHARDSON 1985a
RICHARDSON ET AL. 1985c
WURSIG ET AL. 1985b

CHUKCHI SEA

ALBERT 1981g
ALDRICH 1889
BRAHAM 1983a
BRAHAM ET AL. 1980a
BRAHAM ET AL. 1980e
CLARK, C. W. 1981
CLARK, C. W. 1983
CLARK, C. W. ET AL. 1985a
CLARK, C. U. ET AL. 1985b
CLARK, C. W. ET AL. 1985c
CUMMINGS 1983a
CUMMINGS 1983b
ELLISON ET AL. 1985b
FRAKER 1984
GUSEY 1983
HOLLIDAY ET AL. 1980
KELLEY ET AL. 1982
KO ET AL. 1985
KROGMAN ET AL. 1983a
LJUNGBLAD 1981
LJUNGBLAD ET AL. 1979a

Ecology: Sounds

LJUNGBLAD ET AL. 1979b
LJUNGBLAD ET AL. 1980a
LJUNGBLAD ET AL. 1980b
LJUNGBLAD ET AL. 1981
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1983
LJUNGBLAD ET AL. 1984b
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
MOORE & LJUNGBLAD 1983
MOORE ET AL. 1964
NAVAL ARCTIC RESEARCH LAB 1979
TOMILIN 1957

GULF OF ALASKA

GALES 1982

NOT AREA SPECIFIC

ALBERT 1981g
ALDRICH 1889
BIRD 1983
CUMMINGS 1982
GALES 1982
JEHL ET AL. 1980
MALME ET AL. 1983
MATTHEWS 1975
NAVAL ARCTIC RESEARCH LAB 1979
NORRIS, K. S. 1977
SCHEVILL N. II.
SLIJPER 1962b
THOMPSON, T. J. ET AL. 1979
TOMILIN 1955
WATKINS 1985a

NORTH PACIFIC

BRAHAM ET AL. 1980e
GALES 1982
TOMILIN 1957

OKHOTSK SEA

BRAHAM ET AL. 1980e

Ecology: Strandings

ARCTIC	ALBERT 1981b
BEAUFORT SEA	ALBERT 1981b LJUNGBLAD ET AL. 1985d PIKE 1956
BERING SEA	HANNA 1920 LJUNGBLAD ET AL. 1985d PIKE 1956
CHUKCHI SEA	ALBERT 1981b LJUNGBLAD ET AL. 1985d PIKE 1956
NOT AREA SPECIFIC	AINLEY ET AL. 1980 FAY ET AL. 1979 GERACI & ST. AUBIN 1982a
NORTH PACIFIC	EVERITT, R. D. ET AL. 1980 PIKE 1956
OREGON	EVERITT, R. D. ET AL. 1980
WASHINGTON STATE	EVERITT, R. D. ET AL. 1980

Ecology: Techniques

ALASKA	RICHARDSON ET AL. 1985c
BEAUFORT SEA	BIRD 1985 CLARK, C. W. ET AL. 1985a CLARK, C. W. ET AL. 1985b CLARK, C. W. ET AL. 1985c CUMMINGS 1983a ELLISON ET AL. 1985b HOBBS & GOEBEL 1982 KELLEY ET AL. 1982 KO ET AL. 1985 MATE & HARVEY 1982 RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985c
BERING SEA	KELLEY ET AL. 1982 RAY, G. C. , & WARTZOK 1975
CANADA	RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985c
CHUKCHI SEA	CLARK, C. W. ET AL. 1985a CLARK, C. W. ET AL. 1985b CLARK, C. W. ET AL. 1985c CUMMINGS 1983a ELLISON ET AL. 1985b KELLEY ET AL. 1982 KO ET AL. 1985
MEXICO	MATE & HARVEY 1982
NOT AREA SPECIFIC	BIRD 1985 CUMMINGS 1982 HANSON 1981 HOBBS & GOEBEL 1982 LEATHERWOOD ET AL. 1982 RAY, G. C. 1982a RAY, G. C. 1982b RAY, G. C. 1982b RAY, G. C. 1985
NORTH PACIFIC	BIRD 1985 MATE & HARVEY 1982

Long Term Effects: Disturbance ---

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981
CHUKCHI SEA	COWLES ET AL. 1981
JAPAN	NISHIWAKI & SASAO 1977
NOT AREA SPECIFIC	PAYNE 1977
NORTH PACIFIC	NISHIWAKI & SASAO 1977

Long Term Effects: Habitat Abandonment

ARCTIC	AIGNER 1985 RICHARDSON ET AL. 1985b SCHLEDERMANN 1976
BEAUFORT SEA	AIGNER 1985 RICHARDSON ET AL. 1985b
CANADA	RICHARDSON ET AL. 1985b
GREENLAND	SCHLEDERMANN 1976
NOT AREA SPECIFIC	PAYNE 1977
NORTH ATLANTIC	SCHLEDERMANN 1976

Long Term Effects: Migration alteration

BEAUFORT SEA

DAMES & MOORE 1983
HOUGHTON 1984

JAPAN

NISHIWAKI & SASAO 1977

NORTH PACIFIC

NISHIWAKI & SASAO 1977

Long Term Effects: Reduction in prey

BEAUFORT SEA	COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981
CHUKCHI SEA	COWLES ET AL. 1981

Noise: Aircraft

ALASKA	RICHARDSON ET AL. 1985c
ARCTIC	ALBERT (ED. 11'983 RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985d
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 ALBERT (ED.) 1983 ALBERT {HI. } 1985 COWLES ET AL. 1981 FRAKER 1984 FRAKER ET AL. 1981 FRAKER ET AL. 1982 GREENE 1982 GREENE 1984 GREENE 1985 GUSEY 1983 HARWOOD & FORD 1982 LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d MOORE ET AL. 1984 REEVES ET AL. 1983a RICHARDSON 1981 RICHARDSON 1982 RICHARDSON 1984 RICHARDSON 1985a RICHARDSON 1985b RICHARDSON & FRAKER 1981 RICHARDSON & FRAKER 1982 RICHARDSON & WURSIG 1984 RICHARDSON ET AL. 1983b RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1984a RICHARDSON ET AL. 1984b RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c RICHARDSON ET AL. 1985d
BERING SEA	ALBERT (ED.) 1983 ALBERT (ED.) 1985 BRAHAM ET AL. 1982 COWLES ET AL. 1981 FRAKER 1984 GUSEY 1983 LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1984b LJUNGBLAD ET AL. 1985d HOORE ET AL. 1984

Noise: Ambient

ALASKA	MALME ET AL. 1985
ARCTIC	RICHARDSON ET AL. 1985d
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 CUMMINGS ET AL. N.D. GREENE 1982 GREENE 1984 GREENE 1985 HOLLIDAY ET AL. 1980 MOORE & LJUNGBLAD 1983 MOORE ET AL. 1984 RICHARDSON ET AL. 1985d
BERING SEA	MOORE & LJUNGBLAD 1983 MOORE ET AL. 1984
CANAIM	GREENE 1985
CHUKCHI SEA	HOLLIDAY ET AL. 1980 MOORE & LJUNGBLAD 1963 MOORE ET AL. 1984
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 MALME ET AL. 1983
NORTH PACIFIC	MALME ET AL. 1985

Noise: Disturbance

ALASKA	RICHARDSON ET AL. 1985c
ARCTIC	HILL 1978 STIRLING & CALVERT 1983
BEAUFORT SEA	GALES 1982 GUSEY 1983 LJUNGBLAD ET AL. 1985d RICHARDSON 1985a RICHARDSON ET AL. 1985c STIRLING & CALVERT 1983
BERING SEA	GUSEY 1983 LJUNGBLAD ET AL. 1985d
CANADA	RICHARDSON 1985a RICHARDSON ET AL. 1985c STIRLING & CALVERT 1983
CHUKCHI SEA	GUSEY 1983 LJUNGBLAD ET AL. 1985d
GULF OF ALASKA	GALES 1982
NOT AREA SPECIFIC	CUMMINGS 1981 GALES 1982 HILL 1978 POWELL 1976
NORTH PACIFIC	GALES 1982

Noise: Dredging

ALASKA	RICHARDSON ET AL. 1985[
ARCTIC	DAVIS 1981 RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985d
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 BIRD 1985 COWLES ET AL. 1981 DAVIS 1981 DAVIS & RICHARDSON 1985 FRAKER 1984 FRAKER ET AL. 1981 FRAKER ET AL. 1982 GREENE 1982 GREENE 1984 GREENE 1985 RICHARDSON 1981 RICHARDSON 1982 RICHARDSON 1984 RICHARDSON 1985a RICHARDSON 1985b RICHARDSON & FRAKER 1981 RICHARDSON & FRAKER 1992. RICHARDSON & WURSIG 1984 RICHARDSON ET AL. 1983b RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1984a RICHARDSON ET AL. 1984b RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c RICHARDSON ET AL. 1985d
BERING SEA	COWLES ET AL. 1981 FRAKER 1984
CANADA	DAVIS 1981 GREENE 1985 RICHARDSON 1985a RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c
CHUKCHI SEA	COWLES ET AL. 1981 FRAKER 1984
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 BIRD 1985

Noise: Dredging

MALME ET AL. 1983
RICHARDSON ET AL. 1983a

NORTH PACIFIC

BIRD 1985

Noise: Drilling

	NAT. RES. COUN. 1983
ALASKA	MALME ET AL. 1985 RICHARDSON ET AL. 1985c
ARCTIC	RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985d
BEAUFORT SEA	ACOUST. Soc. AM. (USA) 1981 BIRD 1985 COWLES ET AL. 1981 DAVIS & RICHARDSON 1985 FRAKER ET AL. 1982 GALES 1982 GREENE 1982 GREENE 1984 GREENE 1985 MOORE ET AL. 1984 RICHARDSON 1981 RICHARDSON 1982 RICHARDSON 1984 RICHARDSON 1985a RICHARDSON 1985b RICHARDSON & FRAKER 1981 RICHARDSON & FRAKER 1982 RICHARDSON & WURSIG 1984 RICHARDSON ET AL. 1983b RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1984a RICHARDSON ET AL. 1984b RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c RICHARDSON ET AL. 1985d
BERING SEA	COWLES ET AL. 1981 MOORE ET AL. 1984
CANADA	GREENE 1985 RICHARDSON 1985a RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c
CHUKCHI SEA	COWLES ET AL. 1981 MOORE ET AL. 1984
GULF OF ALASKA	GALES 1982
NOT AREA SPECIFIC	ACOUST. Soc. AM, (USA) 1981

Noise: Drilling

BIRD 1983
BIRD 1985
GALES 1982
MALME ET AL. 1983

NORTH PACIFIC

BIRD 1985
GALES 1982
MALME ET AL. 1985

Noise: Explosions

ARCTIC

HILL 1978

NOT AREA SPECIFIC

HILL 1978

JEHL ET AL. 1980

MALME ET AL. 1983

RICHARDSON ET AL. 1983a

Noise: Helicopter

ALASKA	MALME ET AL. 1985 RICHARDSON ET AL. 1985b
ARCTIC	RICHARDSON ET AL. 1985b
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 COWLES ET AL. 1981 GALES 1982 GREENE 1984 GREENE 1985 HOLLIDAY ET AL. 1980 RICHARDSON 1985a RICHARDSON 1985b RICHARDSON ET AL. 1984b RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c
BERING SEA	COWLES ET AL. 1981
CANADA	GREENE 1985 RICHARDSON 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c
CHUKCHI SEA	COWLES ET AL. 1981 HOLLIDAY ET AL. 1980
GULF OF ALASKA	GALES 1982
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 BIRD 1983 GALES 1982 MALME ET AL. 1983 RICHARDSON ET AL. 1983a
NORTH PACIFIC	BERZIN & DOROSHENKO 1981 GALES 1982 MALME ET AL. 1985
OKHOTSK SEA	BERZIN & DOROSHENKO 1981

Noise: Seismic

ALASKA

MALME ET AL. 1985
RICHARDSON ET AL. 1985c

ARCTIC

ALBERT (ED.) 1983
DAVIS 1981
HILL 1978
RICHARDSON ET AL. 1983c
RICHARDSON ET AL. 1985b
RICHARDSON ET AL. 1985d
STARRATT 1982

BEAUFORT SEA

ACOUST. SOC. AM, (USA) 1981
ALBERT (ED.) 1983
ALBERT (ED.) 1985
BIRD 1985
COWLES ET AL. 1981
CUMMINGS ET AL. N.D.
DAVIS 1981
FRAKER 1984
FRAKER ET AL. 1981
FRAKER ET AL. 1982
GALES 1982
GREENE 1982
GREENE 1984
GREENE 1985
GUSEY 1983
LJUNGBLAD 1983c
LJUNGBLAD ET AL. 1982a
LJUNGBLAD ET AL. 1984a
LJUNGBLAD ET AL. 1985a,
LJUNGBLAD ET AL. 1985b
MOORE ET AL. 1984
MORRIS 1982
REEVES & LJUNGBLAD 1983
REEVES ET AL. 1983a
RICHARDSON 1981
RICHARDSON 1982
RICHARDSON 1984
RICHARDSON 1985b
RICHARDSON 1985c
RICHARDSON & FRAKER 1981
RICHARDSON & WURSIG 1984
RICHARDSON ET AL. 1983b
RICHARDSON ET AL. 1983c
RICHARDSON ET AL. 1984a
RICHARDSON ET AL. 1984b
RICHARDSON ET AL. 1985b
RICHARDSON ET AL. 1985c
RICHARDSON ET AL. 1985d
STARRATT 1982

Noise: Seismic

BERING SEA

ALBERT (ED.) 1983
ALBERT (ED.) 1985
COWLES ET AL. 1981
FRAKER 1984
GUSEY 1983
LJUNGBLAD ET AL. 1982a
MOORE ET AL. 1984
STARRATT 1982

CANADA

DAVIS 1981
GREENE 1985
RICHARDSON ET AL. 1985b
RICHARDSON ET AL. 1985c

CHUKCHI SEA

ALBERT (ED.) 1983
ALBERT (ED.) 1985
COWLES ET AL. 1981
DAVIS & THOMSON 1984
FRAKER 1984
GUSEY 1983
LJUNGBLAD ET AL. 1982a
MOORE ET AL. 1984
STARRATT 1982

GULF OF ALASKA

GALES 1982

NOT AREA SPECIFIC

ACOUST. SOC. AM. (USA) 1981
ALBERT (ED.) 1983
ALBERT (ED.) 1985
BIRD 1983
BIRD 1985
GALES 1982
HILL 1978
JEHL ET AL. 1980
MALME ET AL. 1983
RICHARDSON ET AL. 1983a

NORTH PACIFIC

ALBERT (ED.) 1983
BIRD 198s
GALES 1982
MALME ET AL. 1985

Noise: Surface vessels

ALASKA	MALME ET AL. 1985 RICHARDSON ET AL. 1985c
ARCTIC	ALBERT (ED.) 1983 DAVIS 1981 RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1985b
BEAUFORT SEA	ACOUST. SOC. AM. (USA) 1981 ALBERT (ED.) 1963 BIRD 1985 CARROLL & SMITHHISLER 1980 COWLES ET AL. 1981 DAVIS 1981 FRAKER 1984 FRAKER ET AL. 1978 FRAKER ET AL. 1981 FRAKER ET AL. 1982 GALES 1962 GREENE 1982 GREENE 1984 GREENE 1985 GUSEY 1983 HOLLIDAY ET AL. 1980 LJUNGBLAD 1983c LJUNGBLAD ET AL. 1983 LJUNGBLAD ET AL. 1985b MOORE ET AL. 1984 REEVES ET AL. 1983a RICHARDSON 1981 RICHARDSON 1982 RICHARDSON 1984 RICHARDSON 1985a RICHARDSON 1985b RICHARDSON 1985c RICHARDSON & FRAKER 1981 RICHARDSON & FRAKER 1982 RICHARDSON & WURSIG 1984 RICHARDSON ET AL. 1983b RICHARDSON ET AL. 1983c RICHARDSON ET AL. 1984a RICHARDSON ET AL. 1984b RICHARDSON ET AL. 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c
BERING SEA	ALBERT (ED.) 1983 CARROLL & SMITHHISLER 1980 COWLES ET AL. 1981 FRAKER 1984 GUSEY 1983

Noise: Surface vessels

	LJUNGBLAD ET AL. 1983 MOORE ET AL. 1984
CANADA	DAVIS 1981 GREENE 1985 RICHARDSON 1985a RICHARDSON ET AL. 1985b RICHARDSON ET AL. 1985c
CHUKCHI SEA	ALBERT (ED.) 1983 CARROLL & SMITHHISLER 1980 COWLES ET AL. 1981 DAVIS & THOMSON 1984 FRAKER 1984 GUSEY 1983 HOLLIDAY ET AL. 1980 LJUNGBLAD ET AL. 1983 MOORE ET AL. 1984
GULF OF ALASKA	GALES 1982
JAPAN	NISHIWAKI & SASAO 1977
NOT AREA SPECIFIC	ACOUST. SOC. AM. (USA) 1981 ALBERT (ED.) 1983 BIRD 1983 BIRD 1985 GALES 1982 MALME ET AL. 1983 PAYNE 1977 POWELL 1976 RICHARDSON ET AL. 1983a
NORTH PACIFIC	ALBERT (ED.) 1983 BIRD 1985 GALES 1982 MALME ET AL. 1985 NISHIWAKI & SASAO 1977

Petroleum Effects on Cetaceans: Detection

ARCTIC	DAVIS 1981
BEAUFORT SEA	COWLES ET AL. 1981 DAVIS 1981
BERING SEA	COWLES ET AL. 1981
CANADA	DAVIS 1981
CHUKCHI SEA	COWLES ET AL. 1981
NOT AREA SPECIFIC	GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982b GERACI & ST. AUBIN 1982c GERACI & ST. AUBIN 1982h " " " NATL.ACAD.OF SCIENCE 1982 RI CHARDSON ET AL. 1983a

Petroleum Effects on Cetaceans: External Contact

ARCTIC	ANONYMOUS 1980a COWLES 1981a DAVIS 1981 STIRLING & CALVERT 1983
BEAUFORT SEA	ALBERT 1981f ANONYMOUS 1980a BRAITHWAITE 1983 COWLES 1981a COWLES ET AL. 1981 DAVIS 1981 FRAKER ET AL. 1978 MIGAKI 1979b STIRLING & CALVERT 1983
BERING SEA	BRAHAM ET AL. 1982 COWLES 1981a COWLES ET AL. 1981
CANADA	DAVIS 1981 STIRLING & CALVERT 1983
CHUKCHI SEA	ALBERT 1981f BRAITHWAITE 1983 COWLES 1981a COWLES ET AL. 1981 DAVIS & THOMSON 1984
NOT AREA SPECIFIC	ALBERT 1981f BRAITHWAITE 1983 GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982d GERACI & ST. AUBIN 1982e GERACI & ST. AUBIN 1982h GERACI ET AL. 1981 HALDIMAN ET AL. 1981a MIGAKI 1979b NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1963a ST. AUBIN & GERACI 1981 ST. AUBIN & GERACI 1983 ST. AUBIN ET AL. 1984

Petroleum Effects on Cetaceans: Ingestion

ARCTIC	'ANONYMOUS 1980a
BEAUFORT SEA	ALBERT 1981f ANONYMOUS 1980a BRAITHWAITE 1979a BRAITHWAITE 1983 COWLES ET AL. 1981 FRAKER ET AL. 1978 MIGAKI 1979b
BERING SEA	COWLES ET AL. 1981
CHUKCHI SEA	ALBERT 1981f BRAITHWAITE 19783 COWLES ET AL. 1981
NOT AREA SPECIFIC	ALBERT 1981f BRAITHWAITE 1979a BRAITHWAITE 1983 GERACI & ST. AUBIN 1980 GERACI & ST. AUBIN 1982a GERACI & ST. AUBIN 1982g GERACI & ST. AUBIN 1982h GERACI & ST. AUBIN 1982i MIGAKI 1979b NATL. ACAD. OF" SCIENCE' 1982 RICHARDSON ET AL. 1983a ST. AUBIN & GERACI 1981 ST. AUBIN & GERACI 1983 ST. AUBIN ET AL. 1964

Petroleum Effects on Cetaceans: Inhalation

BEAUFORT SEA	ALBERT 1981f COWLES ET AL. 1981
BERING SEA	COWLES ET AL. 1981
CHUKCHI SEA	ALBERT 1981f COWLES ET AL. 1981
NOT AREA SPECIFIC	ALBERT 1981f GERACI & ST. AUBIN 1982f NATL. ACAD. OF SCIENCE 1982 RICHARDSON ET AL. 1983a ST. AUBIN & GERACI 1983

Petroleum Effects on Cetaceans: Models

ARCTIC	REED ET AL. 1984
BEAUFORT SEA	REED ET AL. 1984
BERING SEA	REED ET AL. 1984
CHUKCHI SEA	REED ET AL. 1984

Population Dynamics: Historical review

GRAY 1894
MITCHELL 1977
MITCHELL & BREIWICK 1983

ARCTIC

BERZIN & DOROSHENKO 1982
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982b
BRAHAM 1982d
BRAHAM ET AL. 1979d
BREIWICK & MITCHELL 1983
CUBBAGE & RUGH 1982
DE JONG 1983
FRAKER 1983
INT. WHALING COMM. 1982a
MARTIN 1976
REEVES 1980
REEVES ET AL. 1983b
ROSS 1979
SABO 1981
TILLMAN ET AL. 1983

BEAUFORT SEA

BOCKSTOCE 1978a
BOCKSTOCE 1980b
BOCKSTOCE & BOTKIN 1980a
BOCKSTOCE & BOTKIN 1980b
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982b
MAHAN ET AL. 1979d
BRAHAM ET AL. 1981
BREIWICK & MITCHELL 1983
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
CUBBAGE & RUGH 1982
FRAKER 1984
INT. WHALING COMM. 1982a
REEVES ET AL. 1983b
ROSS 1979
TILLMAN ET AL. 1983
TOMILIN 1957
WINN ET AL. 1985

BERING SEA

BERZIN & DOROSHENKO 1982
BOCKSTOCE 1978a
BOCKSTOCE 1980b
BOCKSTOCE & BOTKIN 1980a
BOCKSTOCE & BOTKIN 1980b
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982b
BRAHAM ET AL. 1979d
BRAHAM ET AL. 1981

Population Dynamics: Historical review

BREIWICK & MITCHELL 1983
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
FRAKER 1984
Hall', WHALING COMM. 1982a
KRUPNIK 1984
ROSS 1979
TILLMAN ET AL. 1983
TOMILIN 1957
WINN ET AL. 1985

CHUKCHI SEA

BERZIN & DOROSHENKO 1982
BOCKSTOCE 1978a
BOCKSTOCE 1980b
BOCKSTOCE & BOTKIN 1980a
BOCKSTOCE & BOTKIN 1980b
BOCKSTOCE & BOTKIN 1983 ,
BRAHAM 1982b
BRAHAM ET AL. 1979d
BRAHAM ET AL. 1981
BREIWICK & MITCHELL 1983
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
FRAKER 1984
INT. WHALING COMM. 1982a
KRUPNIK 1984
ROSS 1979
TILLMAN ET AL. 1983
TOMILIN 1957 .
WINN ET AL. 1985

GREENLAND

REEVES 1980
ROSS 1979
SABO 1981

NOT AREA SPECIFIC

BOCKSTOCE & BOTKIN 1983
BRAHAM 1982b
BRAHAM 1984c
BREIWICK & MITCHELL 1963
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983b
SCHEFFER 1975
TOWNSEND 1935b

NORTH ATLANTIC

BRAHAM 1982d
REEVES 1980

NORTH PACIFIC

BERZIN & DOROSHENKO 1982
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982b

Population Dynamics: Historical review

BRAHAM 1982d
BRAHAM ET AL. 1979d
BREIWICK & MITCHELL 1983
INT. WHALING COMM. 1982a
MARTIN 1976
TILLMAN ET AL. 1983
TOMILIN 1957

OKHOTSK SEA

BERZIN & DOROSHENKO 1982
KRUPNIK 1984

SOVIET UNION

KRUPNIK 1984

Population Dynamics: Management

ARCTIC

ALBERT & DRONENBURG 1982
BRAHAM 1982c
BROWER, E. 1982
DAVIS 1981
DONOVAN 1982
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983a
NOAA 1978a
REEVES ET AL. 1983b
SCHEFFER 1978

BEAUFORT SEA

ALBERT & DRONENBURG 1982
ANONYMOUS 1978
BRAHAM 1982c
BRAHAM 1983a
BROOKS 1979
BLM & NMFS n.d.
DAVIS 1981
DONOVAN 1982
GUSEY 1983
HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
MARQUETTE & BRAHAM 1982
MURPHY & JARRELL 1983a
NOAA 1978a
REEVES ET AL. 1983b

BERING SEA

ALBERT & DRONENBURG 1982
ANONYMOUS 1978
BRAHAM 1982c
BRAHAM 1983a
BROOKS 1979
BLM & NMFS n.d.
DONOVAN 1982
GUSEY 1983
HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
MARQUETTE & BRAHAM 1982
MURPHY & JARRELL 1983a
NOAA 1978a

CANADA

DAVIS 1981

CHUKCHI SEA

ALBERT & DRONENBURG 1982
ANONYMOUS 1978
BRAHAM 1982c
BRAHAM 1983a
BROOKS 1979
BLM & NMFS n.d.
DONOVAN 1982
GUSEY 1983

Population Dynamics: Management

HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
MARQUETTE & BRAHAM 1982
MURPHY & JARRELL 1983a
NOAA 1978a

NOT AREA SPECIFIC

ALLEN, K. R. 1980
BRAHAM 1984c
BROWER, E. 1982
BLM & NMFS n.d.
DONOVAN 1982
GASKIN 1976
GASKIN 1982
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983b
SCHEFFER 1975
SULLIVAN 1976

NORTH PACIFIC

DONOVAN 1982
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983a
SCHEFFER 1978

Population Dynamics: Models

ARCTIC	BRAHAM & BREIWICK 1980 REED ET AL. 1984
BEAUFORT SEA	BRAHAM 1983a REED ET AL. 1984
BERING SEA	BRAHAM 1983a REED ET AL. 1984
CHUKCHI SEA	BRAHAM 1983a REED ET AL. 1984
NOT AREA SPECIFIC	ALLEN, K. R. 1980

Population Dynamics: Mortality

ARCTIC

ALBERT 1981b
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BREIWICK & MITCHELL 1983
INT. WHALING COMM. 1982a
MITCHELL & REEVES 1982
MURPHY & JARRELL 1983a
NOAA 1978a
NERINI ET AL. 1984
SEVERINGHAUS 1979

BEAUFORT SEA

ALBERT 1981b
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BREIWICK & MITCHELL 1983
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
EVANS & CUCCARESE 1980
HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983a
NOM 1978a
NERINI ET AL. 1984
SEVERINGHAUS 1979

BERING SEA

BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BREIWICK & MITCHELL 1983
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
EVANS & CUCCARESE 1980
HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983a
NOAA 1978a
NERINI ET AL. 1984
SEVERINGHAUS 1979

CHUKCHI SEA

ALBERT 1981b
BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BREIWICK & MITCHELL 1983
BREIWICK ET AL. 1981
BREIWICK ET AL. 1984
EVANS & CUCCARESE 1980
HOORWOOD & HUNTON 1983
INT. WHALING COMM. 1982a
MURPHY & JARRELL 1983a
NOAA 1978a
NERINI ET AL. 1984
SEVERINGHAUS 1979

Population Dynamics: Population structure

ARCTIC

CUBBAGE & RUGH 1982
DAVIS ET AL. 1983
LGL LIMITED 1983
MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1961
RAY, G. C. ET AL. 1984
SEVERINGHAUS 1979

BEAUFORT SEA

CARROLL & SMITHISLER 1980
CUBBAGE & RUGH 1982
DAVIS ET AL. 1983
HOORWOOD & HUNTON 1983
JARRELL 1979b
LGL LIMITED 1963
LJUNGBLAD ET AL. 1983
MURPHY "k" JARRELL 1983a
NERINI 1985
RAY, G. C. ET AL. 1981
RAY, G. C. ET AL. 1964
SEVERINGHAUS 1979

BERING SEA

CARROLL & SMITHISLER 1980
HOORWOOD & HUNTON. 1983
LJUNGBLAD ET AL. 1983
MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1981
SEVERINGHAUS 1979

CANADA

MITCHELL ET AL. 1979

CHUKCHI SEA

CARROLL & SMITHISLER 1980
HOORWOOD & HUNTON 1983
JARRELL 1979b
LJUNGBLAD ET AL. 1983
MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1981
RAY, G. C. ET AL. 1984
SEVERINGHAUS 1979

GULF OF ALASKA

SEVERINGHAUS 1979

NOT AREA SPECIFIC

BÉRZIN & YABLOKOV 1978
JARRELL 1979b
JARRELL 1981a
MURPHY & JARRELL 1983b

NORTH ATLANTIC

MITCHELL ET AL. 1979

NORTH PACIFIC

MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1984
SEVERINGHAUS 1979

Population Dynamics: Recruitment

ARCTIC

MITCHELL & BREIWICK 1983

BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982c
BRAHAM ET AL. 1979d
CUBBAGE & RUGH 1981
DAVIS & KOSKI 1980
DAVIS ET AL. 1983
LGL LIMITED 1983
LJUNGBLAD ET AL. 1985e
MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1981
SEVERINGHAUS 1979
TILLMAN ET AL. 1983

BEAUFORT SEA

BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982c
BRAHAM ET AL. 1979d
BREIWICK ET AL. 1981
BROADHEAD 1985
CUBBAGE & RUGH 1981
CUBBAGE ET AL. 1984
DAVIS & KOSKI 1980
DAVIS ET AL. 1982
DAVIS ET AL. 1983
DRONENBURG ET AL. 1984
EVANS ET AL. 1979
HARWOOD & FORD 1982
HOORWOOD & HUNTON 1983
LGL LIMITED 1983
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 198%
LOKEN 1977
MURPHY & JARRELL 1983a
NERINI 1965
RAY, G. C. ET AL. 1981
SEVERINGHAUS 1979
TILLMAN ET AL. 1983
TOMILIN 1957

BERING SEA

BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982c
BRAHAM ET AL. 1979d
BREIWICK ET AL. 1981
DRONENBURG ET AL. 1984
EVANS ET AL. 1979

Population Dynamics: Recruitment

HOORWOOD & HUNTON 1963
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LOKEN 1977
MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1981
SEVERINGHAUS 1979
TILLMAN ET AL. 1983
TOMILIN 1957

CANADA

CUBBAGE & RUGH 1981
HARWOOD & FORD 1982

CHUKCHI SEA

BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM 1982c
BRAHAM ET AL. 1979d
BREIWICK ET AL. 1981
BROADHEAD 1965
DRONENBURG ET AL. 1984
EVANS ET AL. 1979
HOORWOOD & HUNTON 1983
LJUNGBLAD ET AL. 1984c
LJUNGBLAD ET AL. 1985c
LJUNGBLAD ET AL. 1985d
LJUNGBLAD ET AL. 1985e
LOKEN 1977
MURPHY & JARRELL 1983a
RAY, G. C. ET AL. 1981
SEVERINGHAUS 1979
TILLMAN ET AL. 1983
TOMILIN 1957

GULF OF ALASKA

SEVERINGHAUS 1979

NOT AREA SPECIFIC

ALLEN, K. R. 1980
BOCKSTOCE & BOTKIN 1983
CUBBAGE ET AL. 1984
FOWLER 1964
JARRELL 1982
MURPHY & JARRELL 1983b

NORTH PACIFIC

BOCKSTOCE 1978a
BOCKSTOCE & BOTKIN 1983
BRAHAM ET AL. 1979d
MURPHY & JARRELL 1983a
SEVERINGHAUS 1979
TILLMAN ET AL. 1983
TOMILIN 1957 -

Population Dynamics: Stock assessment

ARCTIC	BRAHAM 1982b BRAHAM 1984b DE JONG 1983 FRAKER 1983 REEVES 1980 SEVERINGHAUS 1979
BEAUFORT SEA	BRAHAM 1982b BRAHAM 1983a BRAHAM 1984b BRAHAM & KROGMAN 1978 CUBBAGE & RUGH 1983 SEVERINGHAUS 1979 TOMILIN 1957
BERING SEA	BRAHAM 1982b BRAHAM 1983a BRAHAM 1984b BRAHAM & KROGMAN 1978 SEVERINGHAUS 1979 TOMILIN 1957
CANADA	CUBBAGE & RUGH 1983
CHUKCHI SEA	BRAHAM 1982b BRAHAM 1983a BRAHAM 1984b BRAHAM & KROGMAN 1978 SEVERINGHAUS 1979 TOMILIN 1957
GULF OF ALASKA	SEVERINGHAUS 1979
GREENLAND	REEVES 1980
NOT AREA SPECIFIC	ALLEN, K. R. 1980 BRAHAM 1982b BRAHAM 1984c CUBBAGE & RUGH 1963 GAMBELL 1976
NORTH ATLANTIC	REEVES 1980
NORTH PACIFIC	BRAHAM 1982b SEVERINGHAUS 1979 TOMILIN 1957

Population Dynamics: Techniques

	RAY, G. C., & WARTZOK 1976
ARCTIC	CUBBAGE & RUGH 1981 SEVERINGHAUS 1979
BEAUFORT SEA	BRAHAM ET AL. 1979b BREIWICK ET AL. 1981 CLARK, C. W. ET AL. 1985c CUBBAGE & RUGH 1981 CUBBAGE & RUGH 1983 DAMES & MOORE 1963 HARWOOD & FORD 1982 HOUGHTON 1984 KROGMAN ET AL. 1979b KROGMAN ET AL. 1981a KROGMAN ET AL. 1984 SEVERINGHAUS 1979
BERING SEA	BRAHAM ET AL. 1979b BREIWICK ET AL. 1981 SEVERINGHAUS 1979
CANADA.	CUBBAGE & RUGH 1981 CUBBAGE & RUGH 1983 HARWOOD & FORIT 1982.
CHUKCHI SEA	BRAHAM ET AL. 1979b BREIWICK ET AL. 1981 CLARK, C. W. ET AL. 1985c KROGMAN ET AL. 1979b KROGMAN ET AL. 1981a KROGMAN ET AL. 1984 SEVERINGHAUS 1979
GULF OF ALASKA	SEVERINGHAUS 1979
NOT AREA SPECIFIC	BRAHAM 1984a CUBBAGE & RUGH 1983 CUMMINGS 1982 GAMBELL 1976 GASKIN 1982 KROGMAN ET AL. 1979a MERCER ET AL. 1978 RAY, G. C. 1982a WATKINS 1982a
NORTH PACIFIC	SEVERINGHAUS 1979

Probability of Encounters with Spills: Models

0

ARCTIC	REED ET AL. 1984
BEAUFORT SEA	REED ET AL. 1984
BERING SEA	REED ET AL. 1984
CHUKCHI SEA	REED ET AL. 1984

Subsistence Whaling: Anthropology

BEAUFORT SEA

BRAHAM 1983a

BERING SEA

BRAHAM 1983a

CHUKCHI SEA

BRAHAM 1983a

Subsistence Whaling: Conservation

	ANONYMOUS 1980b JACKSON 1978 STORRO-PATTERSON 1978a
ARCTIC	INT. WHALING COMM. 1982a
BEAUFORT SEA	ANONYMOUS 1977b INT. WHALING COMM. 1982a JOHNSON, M. F., & GUSEY 1982 MASON 1980 STORRO-PATTERSON 1978b
BERING SEA	ANONYMOUS 1977b INT. WHALING COMM. 1982a JOHNSON, M. F., & GUSEY 1982 MASON 1980 STORRO-PATTERSON 1978b US CONGRESS 1980
CHUKCHI SEA	ANONYMOUS 1977b INT. WHALING COMM. 1982a JOHNSON, M. F., & GUSEY 1982 MASON 1980 STORRO-PATTERSON 1978b
NOT AREA SPECIFIC	ALLEN, K. R. 1980 AUDUBON 1975 BERZIN & YABLOKOV 1978 ENDANGERED SPECIES PROD. 1974 ENVIRONMENTAL LAW INST. 1977 GREENPEACE N.D. HAENEL & FLAHERTY 1983 HILL 1975 INT. WHALING COMM. 1982a MITCHELL 1973 SCHEFFER 1975
NORTH PACIFIC	INT. WHALING COMM. 1982a

Subsistence Whaling: Subsistence whaling. - historic

MITCHELL & REEVES 1980b

ARCTIC

AIGNER 1985
AK GEOGR. 1979
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1981e
BURNS, J. J. 1984
DURHAM 1979c
EVANS & UNDERWOOD 1978
INT. WHALING COMM. 1982a
JOHNSON, J. H. ET AL. 1981
LAUGHLIN & HARPER 1982
MCCARTNEY 1980a
MCCARTNEY 1980b
MORGAN 1978a
SABO 1981
SABO & JACOBSI 1980
SCHLEDERMANN 1976

BEAUFORT SEA

AIGNER 1985
AK GEOGR. 1979
ALLEN, A. J. 1978
BAILEY & HENDEE 1926
BOCKSTOCE 1976
BOCKSTOCE 1977a
BOCKSTOCE 1986
BRAHAM 1981e
BROOKS 1957
BROWER, C. D. 1942
BROWER, R. 1979
BURNS & BENNETT 1984
BURNS, J. J. 1984
DRONENBURG ET AL, 1983b
DURHAM 1973b
DURHAM 1979a
DURHAM 1979c
EVANS & UNDERWOOD 1978
FOOTE 1965
HEIZER 1968
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
JOHNSON, J. H. ET AL. 1981
LAUGHLIN & HARPER 1982
MAHER & WILLIMOVSKY 1963
MANSFIELD 1972
MARQUETTE 1976
MORGAN 1977
MORGAN 1978a
NOAA 1984
RANDLEY 1979
RAY) P. H. 1885

Subsistence Whaling: Subsistence whaling - historic

BERING SEA

SCAMMON 1874
AK GEOGR. 1979
BAILEY & HENDEE 1926
BOCKSTOCE 1976
BOCKSTOCE 1977a
BOCKSTOCE 1986
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1981e
BROOKS 1957
BURNS, J. J. 1984
DRONENBURG ET AL. 1983b
DURHAM 1973b
DURHAM 1979a
EVANS & UNDERWOOD 1978
FOOTE 1965
GUSEY 1979a
GUSEY 1979b
HEIZER 1968
INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
JOHNSON) J. H. ET AL. 1981
KRUPNIK 1980
KRUPNIK 1984
LAUGHLIN & HARPER 1982
MARQUETTE 1976
MORGAN 1978a
NOAA 1984
RAY, D. J. 1975
SCAMMON 1874

CHUKCHI SEA

AK GEOGR. 1979
ALLEN, A. J. 1975
BAILEY & HENDEE 1926
BOCKSTOCE 1976
BOCKSTOCE 1977a
BOCKSTOCE 1986
BOGOSLOVSKAYA ET AL. 1982
BRAHAM 1981e
BROOKS 1957
BROWER, C. D. 1942
BROWER, R. 1979
BURNS & BENNETT 1984
BURNS, J. J. 1984
DRONENBURG ET AL. 1983b
DURHAM 1973b
DURHAM 1979a
DURHAM 1979c
EVANS & UNDERWOOD 1978
FOOTE 1965
HEIZER 1968

Subsistence Whaling: Subsistence whaling - historic

INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982d
JOHNSON, J. H. ET AL. 1981
KRUPNIK 1980
KRUPNIK 1964
LAUGHLIN & HARPER 1982
MAHER & WILLIMOVSKY 1963
MARQUETTE 1976
MORGAN 1977
MORGAN 1978a
NOAA 1984
RAINEY 1940
RAINEY 1947
RANDLEY 1979
RAY, D. J. 1975
RAY, P. H. 1865
SAARIO & KESSEL 1966
SCAMMON 1874

GULF OF ALASKA AK GEOGR. 197'?
NOAA 1984

GREENLAND SABO 1981
SCHLEDERMANN 1976
WINGE 1902

NOT AREA SPECIFIC AUDUBON 1975
DURHAM 1972c
DURHAM 1973a
DURHAM 1979c
INT. WHALING COMM. 1982a
MATTHEWS 1975
SPENCE 1980

NORTH ATLANTIC MANSFIELD 1972
SABO & JACOBS 1980
SCHLEDERMANN 1976
WINGE 1902

NORTH PACIFIC AK GEOGR. 197?
EVANS & UNDERWOOD 1978
INT. WHALING COMM. 1982a
JOHNSON, J. H. ET AL. 1981
NOAA 1984
SCAMMON 1 6 7 4

OKHOTSK SEA KRUPNIK 1984

SOVIET UNION KRUPNIK 1984

Subsistence Whaling: Management

JACKSON 1978
NOAA 1979b
STORRO-PATTERSON 1978a

ARCTIC

ADAMS, J. 1982a
ALBERT & DRONENBURG 1982
ANONYMOUS 1979
BIRNIE 1979
BOERI 1983
BRAHAM 1981e
BRAHAM 1983c
BRAHAM ET AL. 1980e
BURNS, J. 4.1964
DONOVAN 1982
DURHAM 1979c
EVANS & UNDERWOOD 1978
FAO 1978
INT. WHALING COMM. 1982a
MARQUETTE 1978b
MITCHELL & REEVES 1980a
NOAA 1977a
POLUNIN 1978
REEVES ET AL. 1983b
ROSENBLATT 1979
RUSHING 1978

BEAUFORT SEA

ADAMS, J. 1982a
ALBERT & DRONENBURG 1982
ANONYMS 1977b
ANONYMOUS 1977c
ANONYMOUS 1978
BIRNIE 1979
BIRNIE & SANDBROOK 1979
BOCKSTOCE 1977a
BOCKSTOCE 1980a
BOERI 1983
BRAHAM 1981e
BRAHAM 1983c
BRAHAM ET AL. 1980e
BROOKS 1979
BROWER, R. 1979
BURNS, J. J. 1984
CULLIMORE 1977
RONWAN 1982
OURNAN 1979c
EVANS & CUCCARESE 1980
EVANS & UNDERWOOD 1978
GAMBELL 1982
GENERAL ACCOUNTING OFFICE 1981
GORDON-CLARK 1977 "
HOORWOOD & HUNTON 1983

Subsistence Whaling: Management

INT. WHALING COMM. 1982a
INT. WHALING COMM. 1982b
JOHNSON, M. F. & GUSEY 1982
LOKEN 1977
MARQUETTE 1978b
MARQUETTE & BRAHAM 1982
MASON 1980
MCCLOSKEY 1978
MORGAN 1977
NMFS 1978
NMFS 1979
NOAA 1977a
NOAA 1977b
NOAA 1978d
NORRIS, K. S. 1979
OKTOLLIK 1985
RANDLEY 1979
REEVES ET AL. 1983b
ROSENWATT 1979
STOKER 1983
STORRO-PATTERSON 1978b
TILLMAN 1977b
TILLMAN 1980
WALSH 1977
ZHIRNOV ET AL. 1975

BERING SEA

ADAMS, J. 1982a
ALBERT & DRONENBURG 1982
ANONYMOUS 1977b
ANONYMOUS 1977c
ANONYMOUS 1978
BIRNIE 1979
BIRNIE & SANDBROOK 1979
BOCKSTOCE 1977a
BOCKSTOCE 1980a
BOERI 1983
BRAHAM 1981e
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ALLEN, K. R. 1980
BERZIN & YABLOKOV 1978
BUREAU OF LAND MANAGEMENT 1980
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 RAY, G. C. , & WARTZOK 1974
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NEMOTO 1 % 7

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STARRATT 1982
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Atlantic

NEMOTO 1959

1. The Atlantic Ocean is the second largest of the world's oceans, covering an area of approximately 106,460,000 square kilometers. It is bounded by the Americas to the west and Europe and Africa to the east. The Atlantic is characterized by its deep waters, with the deepest part being the Puerto Rico Trench, which reaches a depth of about 9,219 meters. The ocean is also known for its strong currents, including the Gulf Stream and the North Atlantic Drift. The Atlantic plays a crucial role in global climate regulation and is a major source of marine resources. The name 'Atlantic' is derived from the Greek word 'Atlantis', which refers to the legendary island of Atlantis. The Atlantic Ocean is a vital part of the world's oceanic system, influencing weather patterns, sea levels, and global biodiversity.

Barents Sea

BENJAMINSEN ET AL. 1976
JONSGAARD 1964

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ABDELBAKI ET AL. 1984
ACOUST. SOC. AM. (USA) 1981
ADAMS, J. 1982a
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ALLEN, A. J. 1978
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BAILEY & HENDEE 1926
BEE & HALL 1956
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BERZIN & KUZ'MIN 1975
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NAVAL ARCTIC RESEARCH LAB 1979
NEMOTO 1957
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NEUBURY 1979
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 BAILEY & HENDEE 1926
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BOCKSTOCE 1980a
BOCKSTOCE 1980b
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 HAHER & WILLIMOVSKY 1963
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NIKULIN 1946
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JONGGAARD 1981
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 MILLER, R. V. N.D.
 MITCHELL 1973
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MITCHELL & REEVES 1982
MITCHELL ET AL. 1979
PLISNIER-LADAME & QUINET 1969
REEVES 1980
SABO & JACOBS 1980
SCHLEDERMANN 1976
SOUTHWELL 1899
TUCK & GRENIER 1981
VIBE 1967
WINGE 1902

North Pacific

AK GEOR. 1979
ALBERT (ED.) 1983
BERZIN 1978
BERZIN & DOROSHENKO 1981
BERZIN & DOROSHENKO 1982
BERZIN & VLADIMIROV 1981
BIRD 1985
BIRNIE & SANDBROOK 1979
BOCKSTOE 1978a
BOCKSTOE 1978b
BOCKSTOE & BOTKIN 1983
BRAHAM 1982b
BRAHAM 1982d
BRAHAM ET AL. 1979d
BRAHAM ET AL. 1980b
BRAHAM ET AL. 1980e
BREIWK & MITCHELL 1983
CLARKE, R. 1957
DONOVAN 1982
DURHAM 1972b
EVANS & UNDERWOOD 1978
EVERITT, R. D. ET AL. 1980
FAO 1978
GALES 1982
HERWIG ET AL. 1984
HUFFORD 1982
INT. WHALING COMM. 1982a
ISAKSON ET AL. 1975
JOHNSON, J. H. ET AL. 1981
KASUYA 1970
KELLOGG 1929
KELLOGG 1931
MALME ET AL. 1985
MARQUETTE 1979
MARTIN 1976
MATE & HARVEY 1982
MIYAZAKI 1980
MURPHY & JARRELL 1983a
NOAA 1984
NEMOTO 1957
NEMOTO 1959
NISHIWAKI & KASUYA 1970
NISHIWAKI & SASAO 1977
PIKE 1956
RAY, G. C. ET AL. 1984
RICE 1974
RICE 1974
RIDGEWAY 1972
ROSENBLATT 1979
ROVNIN 1970

 North Pacific

SCAMMON 1874
 SCHAFER ET AL. 1983
 SCHEFFER 1978
 SEVERINGHAUS 1979
 SINETI 1978
 SLEPTSOV 1961
 STORRO-PATTERSON 1979
 SUMICH 1982
 TILLMAN ET AL. 1983
 TOMILIN 1957
 UNITED STATES CONGRESS 1976

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 OF 165,000,000 SQUARE KILOMETERS.
 IT IS BOUNDED BY NORTH AMERICA
 TO THE WEST, SOUTH AMERICA
 TO THE EAST, AND THE ARCTIC
 OCEAN TO THE NORTH. THE
 OCEAN IS DEEPER THAN THE
 ATLANTIC OCEAN, WITH A
 MAXIMUM DEPTH OF 10,911 METERS
 IN THE MARIANAS TRENCH.
 THE OCEAN IS HOME TO A
 VAST AND DIVERSE FAUNA,
 INCLUDING MANY ENDANGERED
 SPECIES. THE OCEAN IS ALSO
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Okhotsk Sea

BERZIN 1978
BERZIN & DOROSHENKO 1981
BERZIN & DOROSHENKO 1982
BERZIN & VLADIMIROV 1981
BRAHAM ET AL. 1980e
KRUPNIK 1984
ROVNIN 1970

United States

MITCHELL 1974

Geographical area index - USSR

Soviet Union

KRUPNIK 1984

MILLER, R. V. ET AL. 1985

Geographical area index - VA

AW - 1975 15 Virginia

BAUM & WHEELER 1977

Geographical area index - WA

Washington State

EVERITT, R. D. ET AL. 1980,