BIBLIOGRAPHY

South Baffin Island Study Area

GENERAL REFERENCES

Freeman, Milton. 1976. Inuit Land Use Occupancy Project. 3 Vols. Department of Indian and Northern Affairs, Ottawa.

Fenco and Slaney. 1978. An Arctic Atlas: Background Information for Developing Marine Oilspill Countermeasures. EPS-9-EC-78-1, Environmental Protectoin Service, Environment Canada, Ottawa.

Nettleship, D.N., and Smith, P.A. (eds.). 1975. Ecological Sites in Northern Canada. Canadian Committee for the International Biological Program. Conservation Terrestrial Panel 9, Ottawa.

Outcrop Ltd. 1984. NWT Data Book 84/85. Outcrop Ltd., The Northern Publishers, Yellowknife.

Travel Arctic T.G. 1984. Explore Canada's Arctic, Official Explorer's Guide, 1984. Government of the N.W.T., Yellowknife.

ECOLOGICAL REFERENCES

Andrews, J.T. 1970. "Differential Crustal Recovery and Glacial Chronology (6700 to 0 BP), West Baffin Island, NWT, Canada". Arctic and Alpine Research. Vol. 2, No. 2. pp. 115-134.

Andrews, J.T. and Ives, J.D. 1978. "'Cockburn' Nomenclature and the Late Quaternary History of the Eastern Canadian Arctic". Arctic and Alpine Research. Vol. 10, No. 3. pp. 617-633.

Andrews, J.T., Mode, W.N., Webber, P.J., Miller, G.H., and Jacobs, J.D. 1980. "Report on the Distribution of Dwarf Birches and Present Pollen Rain, Baffin Island, NWT, Canada". Arctic. Vol. 33, No. 1. pp. 50-58.

Atmospheric Environment Service. Monthly Report. Meteorological Observations in Northern Canada. Atmos. Envir. Servi., Envir. Can., Ottawa.

Baird, P.D. 1967. "Baffin Island". Beaver, Spring 1967. pp. 20-33.

Bell, R. 1898. The North Side of Hudson Strait. Geol. Surv. Can. Annual Report, 1898, Ottawa.

Bird, J.B. 1957. The Physiography of Arctic Canada. John Hopkins Press.

______. 1969. "The Scenery of Central and Southern Arctic Canada". Canadian Geographer. No. 15. pp. 1-11.

Birkeland, P.W. 1978. "Soil Development as an Indication of Relative Age of Quaternary Deposits, Baffin Island, NWT, Canada". Arctic and Alpine Research. Vol. 10, No. 4. pp. 733-747.

Blackadar, R.G. 1960. Precambrian Geology of Arctic Canada — A Summary Account. Geol. Surv. Can. Paper 60-8, Department of Mines and Technical Surveys, Ottawa.

______. 1960. "Precambrian Geology of the Arctic Islands". Canadian Mining Journal. pp. 108-110.

______. 1967. Geological Reconnaissance, Southern Baffin Island, District of Franklin. Geol. Surv. Can. Paper 66-47, Department of Energy, Mines and Resources, Ottawa.

Blake, W., Jr. 1966. End Moraines and Deglaciation Chronology in Northern Canada, With Special Reference to Southern Baffin Island. Geol. Surv. Can. Paper 66-26, Department of Mines and Technical Surveys, Ottawa.

Bradley, R.S. and England, J. 1979. "Synoptic Climatology of the Canadian High Arctic". Geografiska Annaler, Ser. A. Physical Geogr. Vol. 61A, No. 3-4, pp. 187-201.

Brassard, G.R., Fife, A.J. and Webber, J. 1979. "Mosses from Baffin Island, Arctic Canada". Lindbergia. Vol. 5, No. 2. pp 99-104.

Canada Department of Transport. 1968. Climatic Normals: Vol. 1, temperature (66 p.); Vol. 2, precipitation (110 p.); Vol. 6, frost data (51 p.). Meteor. Branch, Transport Canada, Toronto.

Canada Soil Survey Committee. 1978. The Canadian System of Soil Classification. Publ. 1646, Res. Br., Can. Dept. Agric., Ottawa. 164p.

Conard, H.S. 1979. How to Know the Mosses and Liveworts (2nd ed). Rev. by P.L. Redfearn, Jr. The Pictured Key Nature Ser. Wm. C. Brown Co. Publ., Dubuque, Iowa. 302p.

Fletcher, R.J. and Young, C.S. 1976. Climate of Arctic Canada in Maps. Boreal Inst. of Northern Studies, Univ. of Alta., Edmonton. Occas. Publ. No. 13. 85 plates.

Geological Survey of Canada. Index to Available Geologic Maps and Related Publications. Energy, Mines and Resources Canada, Ottawa.

Hale, M.E. 1969. How to know the Lichens (2nd ed.). The Pictured Key Nature Ser. Wm. C. Brown Co. Publ., Dubuque, Iowa. 246p.

Hardy, R.M. and Associates Ltd. 1977. Landscape Survey, District of Franklin, NWT, 1976. Unpubl. Report (ed. by O.A. Steen) for the Polar Gas Project, Toronto. 223p.

Higgins, G. 1968. The South Coast of Baffin Island: An Area Economic Survey 1967. AESR report no. 67/2, Department of Indian and Northern Affairs.

Inland Waters Directorate, Annual Reports. Surface Water Data - Yukon and Northwest Territories. Environment Canada, Ottawa.

Ives, J.D. 1963. Determination of Marine Limits in Eastern Arctic Canada. Geol. Surv. Can. Bull. #19. Department of Mines and Technical Surveys, Ottawa. pp. 117-122.

Manning, T.H. 1943. "The Foxe Basin Coasts of Baffin Island". The Geographical Journal. Vol. CI. Royal Geographical Society. pp. 225-251.

Maxwell, J.B. 1981. "Climatic Regions of the Arctic Islands". Arctic. Vol. 34, No. 3. pp. 225-240.

McGill University. 1958. A Report of the Physical Environment of Southern Baffin Island, Northwest Territories, Canada. Rand Research Memorandum RM 2362, Rand Corporation, Santa Monica, California. 375p.

Meldrum, S.M. 1975. Frobisher Bay: An Area Economic Survey 1966-1969. Department of Indian and Northern Affairs, Ottawa.

Mercer, J.H. 1956. Geomorphology and Glacial History of Southernmost Baffin Island. Bull. of the Geol. Soc. of Amer. Vol. 67. pp. 553-570.

______. 1956. "The Grinnell and Terra Nivea Ice Caps, Baffin Island". Journal of Glaciology. Vol. 2, No. 19. pp. 653-656.

Miller, G.H. 1980. "Late Foxe Glaciation of Southern Baffin Island, NWT, Canada". Bull. of the Geol. Soc. of Amer. Vol. 41, No. 7. pp. 399-405.

Neilson, J.M. 1960. Geomorphology and Glacial Geology of Southwestern Baffin Island, District of Franklin, Northwest Territories, Canada. International Geological Congress Report of the Twenty-First Session, Norden, Copenhagen (1960). pp. 90-104.

Parnis, E. 1977. "The Flowers of Frobisher Bay". Beaver, Summer, 1977. pp. 29-38.

Peterson, N.M. 1974-1980. Ecology of the Canadian Arctic Archipelago: Selected References. Indian and Northern Affairs Canada, North of 60 Series. Vol. 1-8. Ottawa.

Polunin, N. 1948. Botany of the Eastern Canadian Arctic. Nat. Mus. Can. Bull. No. 104, Ottawa.

______. 1959. Circumpolar Arctic Flora. Oxford Univ. Press, Amen House, London. 514p.

Porsild, A.E. 1957. Illustrated Flora of the Canadian Arctic Archipelago. Nat. Mus. of Natural Sciences Bull. No. 146, Nat. Mus. Can. Ottawa. 218p.

Riley, G.C. 1960. Petrology of the Gneisses of Cumberland Sound, Baffin Island, Northwest Territories. Geol. Surv. Can. Bull. 61. Department of Mines and Technical Surveys, Ottawa.

Soper, J.D. 1928. A Faunal Investigation of Southern Baffin Island. Nat. Mus. Can. Bull. No 53 (Biological Series No. 15), Ottawa.

______. 1930. "Explorations in the Foxe Peninsula and Along the West Coast of Baffin Island". The Geographical Review. pp. 397-424.

______. 1936. "The Lake Harbour Region, Baffin Island". The Geographical Review. Vol. 26. pp. 426-438.

______. 1974. "Baffin Island, The Mysterious West Coast". Beaver, Vol. 305, No. 2. pp. 54-59.

Weatherall, W. 1983. Foxe Shield Ecoregion - 12. Unpubl. Report. Lands Directorate, Environment Canada, Ottawa.

______. 1983. Boothia-Foxe Lowlands Ecoregion - 13. Unpubl. Report. Lands Directorate, Environment Canada. Ottawa.

______. 1983. Baffin Mountains Ecoregion - 14. Unpubl. Report. Lands Directorate, Environment Canada, Ottawa.

Weeks, L.J. 1928. Cumberland Sound Area, Baffin Island. Geol. Surv. Can. Summary Report 1927, Part C, Canada Department of Mines, pp. 83-95.

Wengerd, S.A. "Elevated Strandlines of Frobisher Bay Baffin Island, Canadian Arctic". The Geographical Review. Vol. 41. pp. 622-637.

Woodward-Clyde Consultants. 1981. Regional Analysis Study of Natural Region #26. Parks Canada. Ottawa.

COASTAL INFORMATION

Barry, et. al, 1977. The Coastal Environment of Southern Baffin Island and Northern Labrador-Ungava, Arctic Petroleum Operators Project 138, Institute of Arctic and Alpine Research, Boulder Colorado.

Bell, R., 1901. Report of an Exploration on the Northern Side of Hudson Strait, Geological Survey of Canada Annual Report 1898, Vol. 11.

Bird, J.B., 1957. The Physiography of Arctic Canada, John Hopkins Press.

Buerger, M.J., 1938. Spectacular Frobisher Bay, Canadian Geographical Journal. Vol. 40. p. 3-17.

Canadian Hydrograhic Service, 1984, Canadian Tide and Current Tables. Vol. 4, Dept. of Fisheries and Oceans, Ottawa.

______, various dates. Sailing Directions - Labrador and Hudson Bay, fourth edition, Dept. of Fisheries and Oceans, Ottawa.

______, 1979. Sailing Directions - Labrador and Hudson Bay, fourth edition, Dept. of Fisheries, and Oceans, Ottawa.

______, various dates and numbers, Hydrographic Charts, Dept. of Fisheries and Oceans.

Dunbar, M.J., and Greenaway, K.R., 1956. Arctic Canada from The Air. Defence Research Board, Ottawa.

Fenco and Slaney, 1978. An Arctic Atlas: Background Information for Developing Marine Oilspill Countermeasures. EPS-9-EC-78-1, Environmental Protection Service, Environment Canada, Ottawa.

Fraser, J.K., 1953. The Islands in Foxe Basin, Geographical Bulletin No. 4, Department of Mines and Technical Surveys, Ottawa.

Great Britain, 1915. Arctic Pilot, Vol. 3, Hydrographic Department, London.

Gordon, A.R., 1886. Report of the Hudson's Bay Expedition of 1886, Department of Marine, Ottawa.

King, C.A.M., 1969. Some Arctic Coastal Features Around Foxe Basin and in E. Baffin Island, N.W.T., Canada, Geografiska Annaler, 51A, pp 207-218.

McCann, S.B., Dale, I.E., and Hale, P.B., 1981. Subarctic Tidal Flats in Areas of Large Tidal Range, Southern Baffin Island, Eastern Canada, Geographie physique et Quaternaire, Vol. XXXV No. 2.

McGill University, 1958. A Report of the Physical Environment of Southern Baffin Island, Northwest Territories, Canada. RAND Research Memorandum RM 2362, RAND Corporation Santa Monica, California.

Manning, T.H., 1943. The Foxe Basin Coasts of Baffin Island. Geographical Journal Vol. 51 p. 225-251.

Miller, G.H., Locke, W.W. II, Locke, G.W., 1980. Physical Characteristics of the Southeastern Baffin Island Coastal Zone, in Coastlines of Canada, Geological Survey of Canada. Paper 80-10, p 251-265.

Millward, A.E. (ed.), 1930. Southern Baffin Island, An Account of Exploration, Investigation and Settlement During the Last Fifty Years. Department of the Interior, Ottawa.

Ney, C.H., 1938. Position Determination of Arctic Coastlines. Canadian Surveyor. Vol. VI, No. 6.

Putnam, G.P., 1928. The Putnam Baffin Island Expedition. Geographical Review. Vol. XVIII No. 1. p. 1-40.

Roy, S.K. 1941. The Upper Ordovician Fauna of Frobisher Bay, Baffin Island. Geology Memoirs, Field Museum of Natural History, Vol. 2, Sept. 1941, Chicago.

Smith, F.C.G. 1936. The Canadian Hydrographic Survey of the Hudson Bay Route. Geographical Journal. Vol 87, No. 2. pp 127-149.

Soper, J.D., 1981. Canadian Arctic Recollections, Baffin Island 1923-1931. Mawdsley Memoir No. 4, Institute for Northern Studies, University of Saskatchewan, Saskatoon.

United States, 1947. Sailing Directions for Baffin Bay and Davis Strait. H.O. Public #7, Hydrographic Office, Washington.

WILDLIFE REFERENCES

Abraham, K.F. and G.H. Finney. 1984. Eiders of the eastern Canadian Arctic. Unpublished report, Canadian Wildlife Service, Ottawa. 49 p. and figures.

Allison, L. 1977. Migratory bird sanctuaries in the Northwest Territories. Volumes I-III. Unpublished report, Canadian Wildlife Service, Ottawa. 370 p.

Anders, G. (ed.). 1966. Baffin Island - east coast: an area economic survey. A.E.S.R. 66/4. Industrial Division, Northern Administration Branch, Department of Northern Affairs and National Resources, Ottawa. 196 p.

Anderson, R.M. 1930. The crossing of Baffin Island to Foxe Basin by Bernhard Adolph Hantzsch in 1910. In. Southern Baffin Island: an account of exploration, investigation and settlement during the past fifty years. King's Printer, Ottawa. p. 103-130.

______. 1035. Mammals of the eastern Arctic and Hudson Bay. In. Canada's eastern Arctic. Department of the Interior, Ottawa. p. 67-93.

Anonymous. 1957. Protection for the blue goose nesting grounds in Baffin Island. Arctic Circular 10(1): 14-16.

______. 1958. Dewey Soper Migratory Bird Sanctuary and Bowman Bay Game Preserve, Baffin Island. Polar Record 9(59): 157.

______. 1974. The mammals of Canada. University of Toronto Press, Toronto. 438 p.

Bell, R. 1901. A survey in Baffinland, with a short description of the country. Geographical Journal 18(1): 25-46.

Bellrose, F.C. 1976. Ducks, geese and swans of North America. Stackpole Books, Harrisburg, Pennsylvania. Second printing, revised edition. 540 p.

Boreal Institute for Northern Studies. 1975. Canadian Arctic renewable resources mapping project. Prepared for Inuit Tapirisat of Canada by the Boreal Institute for Northern Studies, University of Alberta, Edmonton. 232 p. and map volume.

Boyd, H., G.E.J. Smith and F.G. Cooch. 1982. The lesser snow geese of the eastern Canadian Arctic: their status during 1964-79 and their management from 1981 to 1990. Occasional Paper No. 46, Canadian Wildlife Service, Ottawa. 25 p.

Brace, R.K., A.X. Dzubin, R.H. Kerbes and J.H. Patterson. 1977. Arctic banding of mid-continent snow geese, 1977-87: a time for decision. Unpublished report, Canadian Wildlife Service, Prairie Migratory Bird Research Centre, Saskatoon. 52 p.

Bromley, R.G. 1983. 1982 raptor survey. Unpublished reports, File Report No. 34, N.W.T. Wildlife Service, Yellowknife. 47 p.

Brown, R.G.B., D.N. Nettleship, P. Germain, C.E. Tull and T. Davis. 1975. Atlas of eastern Canadian seabirds. Canadian Wildlife Service, Ottawa. 220 p.

Bruemmer, F. 1982. Collecting eider eggs in Hudson Strait. Canadian Geographic 102(3): 36-43.

Calef, George W. 1979. The population status of caribou in the Northwest Territories. Unpublished report, Progress Report No. 1, N.W.T. Wildlife Service, Yellowknife. 30 p.

Canadian Wildlife Service. 1972. Arctic ecology map series. Prepared by Renewable Resources Consulting Services Ltd., Calgary, Alberta for the Canadian Wildlife Service. 324 pp. and 34 maps.

______. 1982. Canadian sites dedicated as wetlands of international importance. Unpublished report, Canadian Wildlife Service, Ottawa.

Chitty, D. and C. Elton. 1926. Canadian Arctic wildlife enquiry, 1935-36. Journal of Animal Ecology, Volume 6: 368-385.

Chitty, H. and D. Chitty. 1943. Canadian Arctic wildlife inquiry, 1942-43. The Journal of Animal Ecology, Volume 2: 37-45.

Chowns, T. 1979. Wintering ground survey South Baffin caribou herd November 1978. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 83 p.

______. 1980. Brevoort Island area caribou survey: September - November 1978. Unpublished report, File Report No. 5, N.W.T. Wildlife Service, Yellowknife. 14 p.

Chowns, T. and R. Popko. 1980. A calving ground survey of the Hall Peninsula Caribou herd June 1979. Unpublished report, File Report No. 8, N.W.T. Wildlife Service, Yellowknife. 21 p.

Clark, K.R.F. 1971. Food habits and behaviour of the tundra wolf on central baffin Island. Unpublished Ph.d. thesis, University of Toronto, Toronto. 223 p.

Cooch, F.G. 1954a. Eider duck survey, eastern Arctic, 1954. Unpublished report, Canadian Wildlife Service, Ottawa. 19 p.

______. 1954b. Blue goose breeding grounds. Unpublished report, CWSC 680, Canadian Wildlife Service, Ottawa. 3 p.

______. 1955a. Studies of blue and lesser snow geese. Unpublished report, CWSC 2427, Canadian Wildlife Service, Ottawa. 3 p.

______. 1955b. Waterfowl reconnaissance of Southampton Island and Southwest Baffin Island, July 18, 1955. Unpublished report, Canadian Wildlife Service, Ottawa. 24 p.

______. 1956. Birds observed in the vicinity of Cape Dorset Baffin Island, summer 1955-56. Unpublished report, No. 462, Canadian Wildlife Service, Ottawa. 24 p.

______. 1958a. A study of some aspects of the breeding biology of the northern eider (Somateria mollissima borealis) near Cape Dorset, Baffin Island. Unpublished report, Canadian Wildlife Service, Ottawa. 16 p.

______. 1958b. The breeding biology and management of the blue goose (Chen caerulescens). Unpublished Ph.d. thesis, Cornell University, Ithaca, New York. 345 p.

______. 1961. Ecological aspects of the blue-snow complex. Auk 78: 72-89.

______. 1963. Recent changes in distribution of color phases of Chen c. caerulescens. Proceedings of the International Ornithological Congress 13: 1182-1194.

______. 1964. Snows and blues. In. Linduska, J.P. (ed.). Waterfowl tomorrow. U.S. Department of Interior, Washington, D.C. p. 125-133.

______. 1965. The breeding biology and management of the northern eider (Somateria Mollissima borealis) in the Cape Dorset area, Northwest Territories. Wildlife Management Bulletin, Series 2, No. 10, Canadian Wildlife Service, Ottawa. 68 p.

______. 1976. Two cultures - two settlements - Cape Dorset 1956-1976. Unpublished report, Canadian Wildlife Service, Ottawa. 12 p.

______. 1977a. Changes in numbers of nesting eiders, West Foxe Islands, N.W.T., Canada, 1956-76. Unpublished report, Canadian Wildlife Service, Ottawa. 13 p.

______. 1977b. Changes in the avifauna of the West Foxe Islands, Northwest Territories, 1956-1976. Canadian Field-Naturalist 91 (3): 314-317.

______. 1981a. Observations on the status of wildlife, Cape Dorset, N.W.T. July 31-August 8, 1981, and Ivugyvik, Quebec, August 9-12, 1981. Unpublished report, Canadian Wildlife Service, Ottawa. 19 p.

______. 1981b. Razorbill (Alca torda), an addition to the avifauna of Cape Dorset, Northwest Territories. Unpublished report, Canadian Wildlife Service, Ottawa. 3p.

Cooke, F., C.D. MacInnes and J.P. Prevett. 1975. Gene flow in breeding populations of lesser snow geese. Auk 92: 493-510.

Dagg, I.A. and C.A. Cambell. 1974. Historic changes in the distribution and numbers of wolverine in Canada and northern U.S. Unpublished report, CWSC 1569, Canadian Wildlife Service, Ottawa. 21 p.

Dupuis, P. 1979. Comments on the 1979 photographic survey of lesser snow geese of the eastern Canadian Arctic. Unpublished report, Canadian Wildlife Service, Quebec Region, Ste-Foy, Quebec. 26 p.

Dzubin, A., H. Boyd and W.J.D. Stephen. 1973. Blue and snow goose distribution in the Mississippi and central flyways, 1951 - 1971. Unpublished report, Canadian Wildlife Service, Ottawa. 81 p.

Elliott, R.C. 1972. Summer ecology of barren-ground caribou in central Baffin Island. Unpublished M.Sc. thesis, University of Toronto, Toronto. 110 p.

Elliot, R.C. and C.E. Elliott. 1974a. Observations of the distribution and migration of caribou on southern Baffin Island July 4 - August 8, 1974. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 5 p. and map.

______. 1974b. Baffin Island caribou surveys progress report 10 June/17 July/74 summary. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 2p. and maps.

Ellis, D.V. and J. Evans. 1960. Comments on the distribution and migration of birds in Foxe Basin, N.W.T. Canadian Field-Naturalist 74(2): 59-70.

Elton, C. 1947. Movements of arctic fox populations in the region of Baffin Bay and Smith Sound. Polar Record 5: 296-306.

Fenco Consultants Ltd. and F.F. Slaney & Company Ltd. 1978. An arctic atlas: background information for developing marine oilspill countermeasures. Arctic Marine Oilspill Program Report EPS-9-EC-78-1. Prepared for Environmental Protection Service, Department of Fisheries and Environment, Edmonton, by Fenco Consultants Ltd., Calgary, and F.F. Slaney & Company Ltd., Calgary.

Ferguson, M.A.D. 1984. Barren-ground caribou - Baffin Island. In: Hall, E. (ed.). Caribou in the Northwest Territories. Chapter 6 (In prep.), N.W.T. Wildlife Service, Yellowknife.

Fraser, J.K. 1953. The islands in Foxe Basin. Geographical Bulletin No. 4. 29 p.

Freemen, M.M.R. (ed.). 1976. Inuit land use ocupancy project. Volumes 1-3. Prepared by Milton Freeman Research Ltd. for the Department of Indian and Northern Affairs, Ottawa. 287 p., 263 p. and map volume.

Fyfe, R. 1969. The peregrine falcon in northern Canada. In: Hickey, J.J. (ed.). Peregrine falcon populations: their biology and decline. Chapter 8: 101-113. University of Wisconsin Press, Madison, Milwaukee. 596 p.

Gaston, A.J. 1980. Populations, movements and wintering areas of thick-billed murres (Uria lomvia) in eastern Canada. Progress Notes No. 110, Canadian Wildlife Service, Ottawa. 10 p.

______. 1982a. On the seabirds of northern Hudson Bay. Le Naturaliste Canadien 109: 895-903.

______. 1982b. Aerial surveys for seabirds in northeast Hudson Bay and western Hudson Strait, 9 July and 9 August, 1981. Unpublished report, Canadian Wildlife Service, Ottawa. 6 p. and appendicies.

______. 1982c. Migration of juvenile thick-billed murres through Hudson Strait in 1980. Canadian Field-Naturalist 96(1): 30-34.

______. 1983. Seabird studies on Hantzsch Island, S.E. Baffin, N.W.T. 25 July - 30 August, 1982. Unpublished report, Canadian Wildlife Service, Ottawa. 350 p.

Gaston, A.J. and D.N. Nettleship. 1981. The thick-billed murres of Prince Leopold Island. Monograph Series No. 6, Canadian Wildlife Service, Ottawa. 350 p.

Gaston, A.J., D.G. Noble and M.A. Purdy. 1981. Seabird investigations in Hudson Strait, report on research in 1981. Unpublished report, Canadian Wildlife Service, Ottawa. 42 p.

Godfrey, W.E. 1966. The birds of Canada. National Museum of Canada Bulletin No. 203, Biological Series No. 73, Ottawa. 428 p.

Haller, A.A. 1967. A human geographical study of the hunting economy of Cumberland Sound, Baffin Island, N.W.T. Unpublished M.Sc. Thesis, McGill University, Montreal. 225 p.

Hanson, H.C. and R.L. Jones. 1976. The biogeochemistry of blue, snow and Ross' geese. Southern Illinois University Press, Carbondale and Edwardsville. 281 p.

Hantzsch, B. 1928-1929. Contribution to the Knowledge of the avifauna of northeastern Labrador. Canadian Field-Naturalist 42(4-9): 87-94, 123-135, 146-148, 172-177, 201-207, 221-227; 43(1-3): 11-18, 31-34, 52-59.

Higgins, G.M. 1967. South coast - Baffin Island: an area economic survey. A.E.S.R. 67/2, Industrial Division, Northern Administration Branch, Department of Indian Affairs and Northern Development, Ottawa. 235 p.

Hone, E. 1934. The present status of muskox. Special Publication No. 5, American Committee for International Wildlife Protection, Washington. 87 p.

Johnsgard, P.A. 1973. Natural and unnatural selection in a wild goose. Natural History 82(10): 60-69.

Johnsgard, P.A. 1975. Waterfowl of North America. Indiana University Press, Bloomington. 575 p.

Kelsall, J.P. 1949. Baffin Island caribou survey with population estimates and recommendations. Unpublished report, Canadian Wildlife Service, Ottawa.

______. 1981. Status report on the wolverine, Gulo gulo in Canada in 1981. Report prepared for the Committee on the Status of Endangered Wildlife in Canada. 47 p.

Kerbes, R.H. 1967. Investigations of waterfowl populations - eastern Arctic. Unpublished report, Progress Report 1966-67, Canadian Wildlife Service, Ottawa. 68 p.

______. 1969. Biology and distribution of nesting blue geese on Koukdjuak Plain, Baffin Island, N.W.T. Unpublished M.Sc. thesis, University of Western Ontario, London. 122 p.

______. 1973. The blue/snow complex of Baffin Island. UInpublished report, Canadian Wildlife Service, Ottawa.

______. 1975. The nesting population of lesser snow geese in the eastern Canadian Arctic: a photographic inventory of June 1973. Report Series No. 35, Canadian Wildlife Service, Ottawa. 47 p.

Kerbes, R.H. ande L.S. Prevett. 1973. Surveys of lesser snow geese with vertical aerial photography, eastern Arctic, 1971-72. Unpublished report, Progress Report 1972-73, Canadian Wildlife Service, Ottawa. 71 p.

Kortright, F.H. 1942. The ducks, geese and swans of North America. Wildlife Management Institute, Washington. 476 p.

Kraft, P. 1980a. Polar bear denning survey Mansel Island. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 20 p.

______. 1980b. Baffin Island caribou survey: report on the 1980 tagging program. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 39 p.

______. 1981. Baffin Island caribou survey: report on the 1981 tagging program. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 37 p.

______. 1984a. Caribou tagging project, Koukdjuak River, Baffin Island, Northwest Territories, 1982. Unpublished report, File Report No. 41, N.W.T. Wildlife Service, Yellowknife. 35 p.

______. 1984b. Caribou tagging on the Koukdjuak River, Baffin Island, N.W.T. A summary and analysis of tag returns. Unpublished report, Progress Report No. 10, N.W.T. Wildlife Service, Yellowknife. 29 p.

Kumlien, L. 1879. Contributions to the natural history of North America, made in connection with the Howgate Polar Expedition 1877-88. Bulletin No. 15, U.S. National Museum, Department of the Interior, Washington, D.C. 179 p.

Lemieux, L. 1961. Report on banding expedition, Koukdjuak River area, Baffin Island, N.W.T. July 15 - August 31, 1961. Unpublished report, CWSC 909, Canadian Wildlife Service, Ottawa. 10 p.

Lemieux, L. and J. Heyland. 1967. Fall migration of blue geese (Chen caerulescens) and lesser snow geese (Chen hyperborea hyperborea) from the Koukdjuak River, Baffin Island, Northwest Territories. Le Naturaliste Canadien 94: 677-694.

Lewis, H.F. 1937. Migrations of the American brant (Branta bernicula hrota). Auk 54: 73-95.

Lloyd, H. 1922. Some of Captain Henry Toke Munn's observations on the birds of Baffin Island and vicinity. Canadian Field-Naturalist 36: 49-50.

Loughrey, A.G. 1952. Wildlife observations, RCAF ice reconnaissance flight - 1952. Unpublished report, Canadian Wildlife Service, Ottawa. 17 p.

MacLaren Atlantic Ltd. 1977a. Report on the Davis Strait aerial survey 77-1. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 134.

______. 1977b. Report on biological literature review of Ungava Bay and Hudson Strait. Prepared by Maclaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 138, November 1977.

______. 1977c. Report on aerial surveys 77-2, 77-3, 77-4 studies of seabirds and marine mammals in Davis Strait, Hudson Bay and Ungava Bay. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 134 and 138, December, 1977.

______. 1977d. Report on preliminary nearshore environmental studies on southeast Baffin Island. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 138, December, 1977.

______. 1978a. Report on biological studies, offshore cruises 77-2 and 77-3, April-June 1977 in the Davis Strait. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 134.

______. 1978b. Revised biological literature review on the Davis Strait region. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 138, January 1978.

______. 1978c. Appendix A: seabird distribution maps for aerial surveys 77-2, 77-3, 7-4 studies of seabirds and marine mammals in Davis Strait, Hudson Strait and Ungava Bay. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 134 and 138, February 1978.

______. 1978d. Report on Inuit natural resource use in south-east Baffin region. Prepared by MacLaren Atlantic Ltd., Consulting Engineers and Scientists, Dartmouth, N.S. for Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 138, March 1978.

MacLaren Marex Inc. 1979a. Report on cruise 78-1 environmental studies in the pack ice zone of Davis Strait. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 146, January, 1979.

______. 1979b. Report on aerial surveys of marine mammals and birds in southern Davis Strait and eastern Hudson Strait in March, 1978. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 146, January, 1979.

______. 1979c. Report on cruise 78-2, August 1978 environmental studies in Davis Strait. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 146, February, 1979.

______. 1979d. Report on feeding studies of marine mammals and birds from the southern Davis Strait region. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 146, February, 1979.

______. 1979e. Report on the preliminary habitat study of the old military airstrip and installation on Brevoort Island. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 146, February, 1979.

______. 1979f. Report on aerial surveys of birds and marine mammals in the southern Davis Strait between April & December, 1978. Volume I Birds, Volume II-A Bird Distribution Maps and Volume II-B Bird Distribution Maps. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd. Arctic Petroleum Operators Association Project No. 146, February, 1979.

______. 1979g. Davis Strait wildlife observation program from the Aquitaine drilling ship Ben Ocean Lancer. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Aquitaine Co. of Canada Ltd.

______. 1980. Aerial monitoring of marine birds and mammals: the 1979 offshore drilling program near southeast Baffin Island. Prepared by MacLaren Marex Inc., Marine Scientists and Engineers, Dartmouth, N.S. for Esso Resources Ltd., Aquitaine Co. of Canada Ltd. and Cities Services Ltd.

Macpherson, A.H. 1955. Field work on arctic gulls at Cape Dorset, Baffin Island. Arctic Circular 8(4): 74-78.

______. 1959. A preliminary survey of arctic wildlife resources. Unpublished report, Canadian Wildlife Service, Ottawa. 49 p.

______. 1961. Observations on Canadian Arctic larus gulls and on the taxonomy of L. thayeri Brooks. Technical Paper Number 7, Arctic Institute of North America, Montral. 39 p.

______. 1963. The caribou of Baffin Island: an unknown quantity. Unpublished report, Canadian Wildlife Service, Ottawa. 13 p.

______. 1964. A northward Range extention of the red fox in the eastern Canadian Arctic. Journal of Mammalogy 45: 138-140.

______. 1977. The origin of diversity in mammals of the Canadian arctic tundra. Systematic Zoology: 153-173.

Macpherson, A.H. and I. McLaren. 1959. Notes on the birds of southern Foxe Peninsula, Baffin Island, Northwest Territories. Canadian Field-Naturalist 73: 63:81.

Manning, T.H. 1942. Blue and lesser snow geese on Southampton and Baffin islands. Auk. 59: 158-175.

______. 1943a. Notes on the mammals of South and Central West Baffin Island. Journal of Mammalogy 24(1): 47-59.

______. 1943b. Foxe basin coasts of Baffin Island. Geographical Journal 101(5-6): 225-251.

______. 1949. The birds of northeastern Ungava. Appendix In: Manning, Mrs. Tom. A summer in Hudson Bay. Hodder and Stoughton Limited, London. p. 153-224.

McCormick, K.J. and M.E. Adams. 1984. Migratory bird terrestrial habitats - an N.W.T. overview. Technical Report No. 84-8, Canadian Wildlife Service, Yellowknife. 138 p. and 33 maps.

McCormick, K.J., M.E. Adams, C.J. Stephenson and A.S. Goodman. 1984. Key migratory bird terrestrial habitat sites in teh Northwest Territories. Technical Report No. 84-6, Canadian Wildlife Service, Yellowknife. 175 p.

McEwen, E.H. 1956. Preliminary report on the arctic fox study at Cape Dorset, Baffin Island, July-September, 1956. Unpublished report, Canadian Wildlife Service, Ottawa. 11 p.

______. 1957. Arctic fox study - Cape Dorset, Baffin Island 1957. Unpublished report, Canadian Wildlife Service, Ottawa. 5 p.

Neatby, L.H. (ed.). 1977. My life among the eskimos: the Baffinland journals of Bernhard Adolph Hantzsch 1909-1911. Mawdsley Memoir 3, Institute for Northern Studies, University of Saskatchewan, Saskatoon. 396 p.

Nettleship, D.N. 1972. Inter-relationships of seabirds and the coastal zone. A summary report on seabird research. Coastal Zone Seminar, Bedford Institute of Oceanography, Dartmouth, Nova Scotia, March 1972. Selected papers compiled by Atlantic Unit, Water Management Service, Department of Environment, Ottawa. Volume I: 133-136.

______. 1980b A guide to the major seabird colonies of eastern Canada - identity, distribution and abundance. Seabird Research Unit, Canadian Wildlife Service, Bedford Institute of Oceanography, Dartmouth, Nova Scotia. 133 p.

Nettleship, D.N. and P.A. Smith (eds.). 1975. Ecological sites in northern Canada. Canadian Committee for the International Biological Programme, Conservation Terrestrial - Panel 9, Canadian Wildlife Service, Ottawa. 330 p.

N.W.T. Wildlife Service. 1982. A summary of the caribou tagging program on the Koukdjuak River, Baffin Island. N.W.T. Wildlife Notes No. 4, N.W.T. Wildlife Service, Yellowknife. 5 p.

Orr, C.D., D.J. Gillis and L.G. Valdron. 1980. Snow buntings, Lapland longspurs, and other passerines in Davis Strait and the Labrador Sea, 1977-1979. Canadian Field-Naturalist 94(2): 185-187.

Orr, C.D. and J.L. Parsons. 1982. Ivory gulls, Pagophila eburnea, and ice edges in Davis Strait and the Labrador Sea. Canadian Field-Naturalist 96(3): 323-328.

Orr, C.D. and R.M.P. Ward. 1982. The autumn migration of thick-billed murres near southern Baffin Island and northern Labrador. Arctic 35(4): 531-536.

Palmer, R.S. 1962. Handbook of North American Birds. Volume I. Yale University Press, New Haven, Connecticut.

______. 1976. Handbook of North American Birds. Volumes II and III. Yale University Press, New Haven, Connecticut. 521 and 560 p.

Peters, H.S. 1939. Ornithological investigations made during the Eastern Arctic Patrol. Report 196, Canadian Wildlife Service, Ottawa. p. 34-40.

Pisano, R. 1977. The status of the wolf in North America. Scientific Series No. 2. International Society for the Protection of Animals, London. 15 p.

Popko, R. 1977. Baffin Island caribou survey report on 1977 tagging program. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 37 p.

______. 1979. Baffin Island caribou survey - report on the 1979 tagging program. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 34 p.

Putnam, G.P. 1928. The Putnam Baffin Island Expedition. Geographical Review 18: 1-27.

Rand, A.L. 1943. Larus Kumlieni and its allies. Canadian Field-Naturalist 56: 123-136.

Redhead, R.E. 1975a. Collection of biological data at Tasialojuak Lake 25 to 26 April 1975. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 4 p.

______. 1975b. Baffin Island caribou survey: tagging in the Koukdjuak River August 10 and 11, 1974 and July 10 to 27, 1975. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 22 p.

______. 1975c. Baffin Island caribou survey report on 1975 tagging program. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 27 p.

______. 1976a. An aerial survey of some of the South Baffin caribou herd. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 16 p.

______. 1976b. Caribou survey in the Nettilling Lake and Amittok Lake areas (May 11-15, 1976). Unpublished report, N.W.T. Wildlife Service, Yellowknife. 8 p.

______. 1979. An aerial survey of part of the South Baffin caribou herd 1976. Unpublished report, File Report No. 2, N.W.T. Wildlife Service, Yellowknife. 26 p.

Redhead R. and E. Land. 1979. Calving ground survey South Baffin caribou herd June 1976. Unpublished report, File Report No. 2, N.W.T. Wildlife Service, Yellowknife. 26 p.

Reed, A., P. Dupuis, K. Fisher and J. Mosher. 1980. An aerial survey of breeding geese and other wildlife in Foxe Basin and northern Baffin Island, Northwest Territories, July 1979. Progress Notes No. 114, Canadian Wildlife Service, Ottawa. 21 p.

Rippen, B. 1972. Baffin Island caribou: report on aerial survey, May 1972 and a summary of known facts of caribou on Baffin Island. Unpublished report, N.W.T. Wildlife Service, Yellowknife. 26 p.

Ross, R.K. 1975. A preliminary report on the 1975 eastern Arctic goose survey. Unpublished report, CWSC 3221, Canadian Wildlife Service, Ottawa. 17 p.

Rutherford, J.G., J.S. McLean and J.B. Harkin. 1922. Report of the Royal Commission to investigate the possibilities of the reindeer and musk-ox industries in the Arctic and Sub-arctic regions of Canada. King's Printer, Ottawa. 99 p.

Short, T.M. and H.S. Peters. 1942. Some recent bird records from Canada's eastern Arctic. Canadian Journal of Research 20: 338-348.

Smith, N.G. 1966. Evolution of some arctic gulls (Larus): an experimental study of isolating mechanisms. Ornithological Monograph No. 4. The American Ornithologist's Union. 99 p.

Smith, T.G. and D. Taylor. 1977. Notes on marine mammal, fox and polar bear harvests in the Northwest Territories 1940 to 1972. Technical Report No. 694, Fisheries and Marine Service, Department of Fisheries and Environment. 37 p.

Snyder, L.L. 1957. Arctic birds of Canada. University of Toronto Press, Toronto. 310 p.

Soper, J.D. 1928. A faunal investigation of southern Baffin Island. Bulletin 53, Biological Series 15, National Museum of Canada, Ottawa. 143 p.

______. 1930a. Discovery of the breeding grounds of the blue goose. Canadian Field-Naturalist 44: 1-11.

______. 1930b. The blue goose. An account of its breeding ground, migration, eggs, nests, and general habits. North West Territories and Yukon Branch, Department of the Interior, Ottawa. 64 p.

______. 1934. Interesting bird records for southern Baffin Island. Canadian Field-Naturalist 48 (3): 41-44; (4): 65-68; (5): 79-82.

______. 1939. Bird life in the eastern Arctic. The Beaver, June 1939: 28-35.

______. 1940. Local distribution of eastern Canadian Arctic birds. Auk 57(1): 13-21.

______. 1942. Life History of the blue goose (Chen caerulescens). Proceedings of the Boston Society of Natural History 42: 121-225.

______. 1944. Mammals of southern Baffin Island, Northwest Territories, Canada. Journal of Mammalogy 25(3): 221-254.

______. 1946a. Ornithological results of the Baffin Island expeditions of 1928-1929 and 1930-1931, together with more recent records. Auk 63: 1-24; 223-239 and 419-427.

Stemp, R. 1980. Davis Strait wildlife observation program in the vicinity of Aquitaine's Hekja drill site, July 25 - October 4, 1980. Report prepared for Aquitaine Co. of Canada Ltd.

______. 1981. Wildlife monitoring program. Davis Strait refraction survey. September - October, 1981. Report prepared for Aquitaine Co. of Canada Ltd.

______. 1982. Davis Strait wildlife observations program 1982 in the vicinity of Canterra's Raleigh drill site July 21 - October 1, 1982. Report prepared for Canterra Energy Ltd. 33 p.

Stirling, I. 1980. The biological importance of polynas in the Canadian Arctic. Arctic 35(2): 303-315.

Stirling, I. and H. Cleator (eds.). 1981. Polynas in the Canadian Arctic. Occasional Paper No. 45, Canadian Wildlife Service, Ottawa. 73 p.

Sutton, G.M. 1932. Notes on a collection of birds from Mansel Island, Hudson Bay. Condor 34: 41-43.

______. 1936. White-winged crossbill on Baffin Island. Auk 53: 91.

Sutton, G.M. and D.F. Parmalee. 1954a. Survival problems of the water pipit in Baffin Island. Arctic 7: 81-92.

______. 1954b. Nesting of the Greenland wheatear on Baffin Island. Condor 56: 295-305.

______. 1954c. Nesting of the snow bunting on Baffin Island. Wilson Bulletin 66: 159-179.

______. 1955a. Breeding of the semi-palmated plover on Baffin Island. Bird-Banding 26: 137-147.

______. 1955b. On certain anatids of Frobisher Bay, Baffin Island. Arctic 8: 139-147.

______. 1955c. The peregrine falcon on Baffin Island. Bird-Banding 26: 147-152.

______. 1955d. The purple sandpiper in southern Baffin Island. Condor 57: 216-220.

______. 1955e. Summer activities of the Lapland longspur on Baffin Island. Wilson Bulletin 67: 110-127.

______. 1955f. Nesting of the horned lark on Baffin Island. Bird-Banding 26: 1-18.

______. 1956a. On the loons of Baffin Island. Auk 73: 78-84.

______. 1956b. The rough-legged hawk in the American arctic. Arctic 9: 202-207.

______. 1956c. On certain charadriforme birds on Baffin Island. Wilson Bulletin 68: 210-223.

______. 1956d. Breeding of the snowy owl in southeastern Baffin Island. Condor 58: 273-282.

Taverner, P.A. 1930. Some zoological aspects of the Canadian Arctic Expedition of 1929. Canadian Field-Naturalist 44: 25-27.

______. 1931. A study of Branta canadensis (Linnaeus) the Canada goose. Annual Report of Canadian National Museum, 1928. p. 28-38.

______. 1933. A study of Kumlien's gull (Larus kumlieni Brewster). Canadian Field-Naturalist 47: 88-90.

______. 1936. Birds of the eastern Arctic. In: Canada's eastern Arctic, its history, resources, population and administration. Assembled by W.C. Bethune for the Northwest Territories Council. p. 113-128.

Tener, J.S. 1958. The distribution of muskoxen in Canada. Journal of Mammalogy 39: 398-408.

______. 1961. Baffin Island caribou survey, 1961. Unpublished report, Canadian Wildlife Service, Ottawa. 2 p.

Tener, J.S. and V.E.F. Solman. 1960. Aerial survey of Baffin Island caribou March 16-22, 1960. Unpublished report, Canadian Wildlife Service, Ottawa. 15 p.

Tuck, L.M. 1960. The murres: their distribution, populations and biology; a study of the genus Uria. Monograph No. 1, Canadian Wildlife Service, Ottawa. 260 p.

Usher, P.J. 1971. Mammals, land use, resource management on Baffin Island, Melville Peninsula and other areas. Report NSRG 71-4, Northern Science Research Group, Department of Indian Affairs and Northern Development, Ottawa. 180 p.

______. 1975. Historical statistics approximating fur, fish and game harvests within Inuit lands of the N.W.T. and Yukon, 1915-1974, with text. Volume 3. Renewable Resources Project, Inuit Tapirisat of Canada. 71 p. and tables.

van Zyll de Johg, C.G. 1975. The distribution and abundance of the wolverine (Gulo gulo) in Canada. Canadian Field-Naturalist 89(4): 431-437.

Wright, J.G. 1944. Economic wildlife of Canada's eastern Arctic - caribou. Canadian Geographical Journal 29(4): 184-195.

Wynne-Edwards, V.C. 1952. Zoology of the Baird Expedition (1950) I: the birds observed in central and southeast Baffin Island. Auk 69: 353-391.

MARINE MAMMAL REFERENCES

Anders, G. (ed.) 1966. The east coast of Baffin Island - an area economic survey. Canada Department of Northern Affairs and National Resources. AESR 66-4: 196 p.

Anderson, R.M. 1934. Mammals of the eastern arctic and Hudson Bay, p. 67-108. In W.C. Bethune (ed.) Canada's Eastern Arctic - Its History, Resources, Population and Administration.

Brodie, P.F. 1968. Beluga biology and behavior, Cumberland Sound, Baffin Island, p. 19-20. In Fisheries Research Board of Canada, Annual Report, Arctic Biological Station, 1967-68.

______. 1971. A reconsideration of aspects of growth, reproduction, and behavior of thewhite whale (Delphinapterus leucas), with reference to the Cumberland Sound, Baffin Island, population. J. Fish. Res. Board Can. 28: 1309-1318.

Brodie, P.F., J.L. Parsons and D.E. Sergeant. 1981. Present status of the white whale (Delphinapterus leucas) in Cumberland Sound, Baffin Island. Int. Whaling Comm. Rep. Comm. 31: 579-582.

Degerbol, M. and P. Freuchen. 1935. Mammals. Part II. Field notes and biologicval expedition. Report of the Fifth Thule Expedition, 1921-1924. Vol. 2 (4-5): 68-278.

Finley, K.J., G.W. Miller, M. Allard, R.A. Davis and C.R. Evans. 1982. The Belugas (Delphinapteurs Leucas) of northern Quebec: Distribution, abundance, stock identify, catch history and management. Can. Tech. Rep. Fish. Aquat. Sci. No. 1123: 57 p.

Gusey, W.F. 1983. Bowhead. Environmental Affairs, Shell Oil Company, Taxas. 153 p.

Haller, A.A., D.C. Foote and P.D. Cove. 1967. Baffin Island - east coast: an area economic survey. Canada Department of Northern Affairs and National Resources. AESR 66-4: 196 p.

Higgins, G. 1967. The south coast of Baffin Island - an area economic survey. Canada Department of Northern Affairs and National Resources. AESR 67-2: 235 p.

Jonkel, C., E. Land and R. Redhead. 1978. The productivity of polar bears (Ursus maritimus) in the southeastern Baffin Island area, Northwest Territories. Can. Wildl. Serv., Progress Notes No. 91: 7 p.

Kemp, W.B. 1976. Inuit land use in south and east Baffin Island, p. 125-151. In M. Freeman (ed.) Inuit Land Use and Occupancy Project. Vol. I: Land Use and Occupancy. Prepared by Milton Freeman Research Ltd. for Department of Indian and Northern Affairs.

Loughrey, A.G. 1959. Preliminary investigation of the Atlantic Walrus Odobenus rosmarus rosmarus (Linnaeus). Wildl. Manage. Bull. 1 (14): 123 p.

Low, A.P. 1906. Report on the Dominion Government Expedition to Hudson Bay and the Arctic Islands on board the D.G.S. Neptune 1903-04. Government Printing Bureau, Ottawa. 355 p.

MacLaren Atlantic Ltd. 1978a. Report on Inuit natural resource use in south-east Baffin Region. For Imperial Oil Ltd., Aquitaine Co. of Canada Ltd. and Canada Cities Services Ltd., Arctic Petroleum Operators Association. Project No. 138.

______. 1978b. Mammals, p. 4-1 to 4-21. In Report on aerial surveys 77-2, 77-3, 77-4 studies of seabirds and marine mammals in Davis Strait, Hudson Strait and Ungava Bay. For Imperial Oil Ltd., Aquitaine Co.l of Can. Ltd. and Canada Cities Services Ltd. Arctic Petroleum Operators Association Project Nos. 134 and 138.

MacLaren Marex Inc. 1979b. Marine mammals, p. 5-2 to 5-23. In Report on aerial surveys of marine mammals and birds in southern Davis Strait and eastern Hudson Strait in March, 1978. For Esso Resources Canada Ltd., Aquitaine Co. of Canada Ltd. and Canada Cities Services Ltd., Arctic Petroleum Operators Association. Project No. 146.

______. 1979c. Report on feeding studies of marine mammals and birds from the southern Davis Strait region. For Esso Resources Canada Ltd., Aquitaine Co. of Canada Ltd. and Canada Cities Services Ltd., Arctic Petroleum Operators Association. Project No. 146.

______. 1980a. Aerial monitoring of marine birds and mammals: The 1979 offshore drilling programme near southeast Baffin Island. For Esso Resources Canada Ltd. and Aquitaine Company of Canada Ltd. 23 p.

______. 1980b. Surveys for marine mammals along the outer coastline of southeast Baffin Island (August to October 1979). For Esso Resources Can. Ltd. and Aquitaine Co. of Can. Ltd. 6 p.

Manning, T.H. 1943. Notes on the mammals of south and central western Baffin Island. J. Mammal. 24: 47-59.

Mansfield, A.W. 1958. The biology of the Atlantic walrus, Odobenus rosmarus rosmarus (Linnaeus) in the eastern Canadian Arctic. Fish. Res. Board Can. Manuscr. Rep. 653: 146 p.

______. 1966a. The walrus in Canada's Arctic. Can. Geogr. J. LXXII (3): 89-95.

______. 1966b. Present distribution of the bowhead whale Balaena mysticetus, p. 18. In Fisheries Research Board of Canada, Annual Report, Arctic Biological Station, 1965-66.

______. 1967. Seals of Arctic and eastern Canada. Fish Res. Board Can. Bull. 137: 35 p.

______. 1971. Occurrence of the bowhead or Greenland right whale (Balaena mysticetus) in Canadian Arctic waters. J. Fish. Res. Board Can. 28: 1873-1875.

Mansfield, A.W., T.W. Smith and B. Beck. 1975. The narwhal, Monodon monoceros, in eastern Canadian waters. J. Fish. Res. Board Can. 32: 1041-1046.

McLaren, I.A. 1955. The biology of the ringed seal (Phoca hispida Schreber) in the waters of southwest Baffin Island. Master's Thesis, McGill University. 142. p.

______. 1958. The biology of the ringed seal (Phoca hispida Schreber) in the eastern Canadian Arctic. Fish. Res. Board Can. Bull. No. 118: 85 p.

______. 1966. Analysis of an aerial census of ringed seals. Fish. Res. Board Can. 23 (5): 769-773.

McLaren, P.L. and R.A. Davis. 1982. Winter distribution of arctic marine mammals in ice-covered waters of eastern North America. Prepared by LGL Ltd., Toronto for Petro-Canadae Explorations Inc. 114 p.

Miller, G.W. and M.A. McLaren. 1983. Late summer wildlife observations in offshore Hudson Bay, 1982. Prepared by L.G.L. Ltd., Toronto for Canada Occidental Petroleum Ltd. 67 p.

Reeves, R.R. and E. Mitchell. 1981. White whale hunting in Cumberland Sound. The Beaver. Winter 1981: 42-49.

Reeves, R., E. Mitchell, A. Mansfield and M. McLaughlin. 1983. Distribution and migration of the bowhead whale, Balaena mysticetus, in the eastern North American Arctic. Arctic 36(1): 5-64.

Renewable Resources, Government of Northwest Territories, Lake Harbour, unpublished data.

Renewable Resources Consulting Ltd. 1972. Arctic ecology map series and descriptive reports. Prepared for Canadian Wildlife Service. 324 p.

Ross, W.G. 1974. Distribution, migration, and depletion of bowhead whales in Hudson Bay, 1860 to 1915. Arct. Alp. Res. 6: 85-98.

Ross, W.G. and A. McIver. 1982. Distribution of the kills of bowhead whales and other sea mammals by Davis Strait whalers 1820-1910. For Arctic Pilot Project. 85 p.

Sergeant, D.E. 1965. Migrations of harp seals Pagophilus groenlandicus (Erxleben) in the Northwest Atlantic. J. Fish. Res. Board Can. 22(2): 433-454.

Sergeant, D.E. 1976. History and present status of populations of harp and hooded seals. Biol. Conserv. 10: 95-118.

Smith, T.G. 1975. Parameters and dynamics of ringed seal populations in the Canadian eastern Arctic. Rapp. P.-v. Reun. Cons. int. Explor. Mer. 169: 281-295.

______. 1980. Polar bear predation of ringed and bearded seals in the land-fast sea ice habitat. Can. J. Zool. 58: 2201-2209.

Smith, T.G., M.H. Hammil, D.W. Doidge, T. Cartier and G.A. Sleno. 1979. Marine mammal studies in southeastern Baffin Island. Can. Man. Rep. Fish. Aquat. Sci. 1552: 30 p.

Soper, J.D. 1928. A faunal investigation of southern Baffin Island. Nat. Mus. Can. Bull. 53, Biol. Ser., No. 15: 143 p.

______. 1944. The mammals of southern Baffin Island, Northwest Territories, Canada. J. Mammal. 25 (3): 221-254.

Stirling, I. 1981. Introduction, p. 5-6. In I. Stirling and H. Cleator (ed.) Polynyas in the Canadian Arctic. Can. Wildl. Serv. Occasional Paper No. 45.

Stirling, I., W. Calvert and D. Andriashek. 1980. Population ecology studies of the polar bear in the area of southeastern Baffin Island. Can. Wildl. Serv. Occas. Pap. 44: 33 p.

Stirling, I., H.P.L. Killiaan, W. Calvert and D. Andriashek. 1979. Population ecology studies of polar bears in the area of south-eastern and southern Baffin Island and northern Labrador. Progress Report to Can. Wildl. Serv., Esso Resources Can. Ltd., Aquitaine Co. of Can. Ltd., Canada - Cities Service Ltd. and N.W.T. Wildl. Serv. 88 p.

PERSONAL COMMUNICATION

Dahlke, L. Area Biologist, Western Region, Department of Fisheries and Oceans, Frobisher Bay.

Kilabuk, P. Renewable Resources Officer I, Government of Northwest Territories, Frobisher Bay.

Moshenko, R. Head of Fish and Marine Mammal Management, Western Region, Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

Noble, J. Renewable Resources Officer III, Government of Northwest Territories, Frobisher Bay.

Orr, J. Marine Mammal Management Technician, Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

Richard, P. Marine Mammal Management Biologist, Department of Fisheries and Oceans, Freshwater Institute, Winnipeg.

FISHERIES REFERENCES

Able, K.W., and D.E. McAllister. 1980. Revision of the snailfishes, genus Liparis from Arctic Canada. Can. Bull. Fish. Aquat. Sci. 208: 52p.

Anders, G., A. Haller, D. Foote, and P. Cover. 1966. The east coast of Baffin Island, an area economic survey. A.E.S.R. 66/4: 196p.

Arctic Biological Station. 1980. A marine biological study of Brevoort Harbour and nearby waters of eastern Baffin Islandd. A report prepared for the Offshore Environment Division, Department of Indian Affairs and Northern Development. Can. Manuscr. Rep. Fish. Aquat. Sci. 1557: 208p.

Atkinson, E.G. and J.W. Wacasey. 1983. Caloric equivalents for benthic marine organisms from the Canadian Arctic. Can. Tech. Rep. Fish. Aquat. Sci. 1216: vii + 31p.

Bain, H., and A.D. Sekerak. 1978. Aspects of the Biology of Arctic cod Boreogadus saida in the central Canadian Arctic. L.G.L. Limited for Polar Gas Project. 104p.

Beals, C.S. (ed.). 1968. Science, History, and Hudson Bay, Vol. 1., Can. Dept. of Energy, Mines and Resources, Ottawa. 501p.

Bean, T.H. 1879. Fishes collected in Cumberland Gulf and Disko Bay. U.S. Natl. Mus. Bull. 15: 107-138.

Boulva, J. 1972. Morphometrics of Sympatric Arctic cod fishes of the genera Arctogadus and Gadus. J. Fish. Res. Bd. Can. 29 (3): 243-249.

Bradstreet, M.S.W. and W.E. Cross. 1982. Trophic relationships at High Arctic ice edges. Arctic 35(1): 1-12.

Bruemmer, F. 1972. Lake of the cannibal cod, p. 246-250. In F. Bruemmer, Encounters with Arctic animals. McGraw-Hill Ryerson Ltd., Toronto.

Budgell, H.M. 1967. Nettilling Lake test fishery, p. 219-222. In G. Higgins, The south coast of Baffin Island, an area economic survey. A.E.S.R. 67/2.

Bushnell, J.H., and E.R. Byron. 1979. Morphological variability and distribution of aquatic invertebrates (principally Crustacea) from the Cumberland Peninsula and Frobisher Bay region, Baffin Island, N.W.T., Canada. Arct. Alp. Res. 11(2): 159-177.

Coad, B.W. 1973. Modifications of the pelvic complex in ninespine sticklebacks, Pungitius pungitius (L.), of eastern Canada and the Northwest Territories. Naturaliste Can. 100: 315-316.

______. 1974. Vertebral frequencies with notes of anomalies in samples of threespine sticklebacks (Gasterosteus aculeatus L.) from eastern North America. Can. Field-Nat. 88: 220-223.

Craig, P.C., W.B. Griffiths, L. Haldorson, and H. McElderry. 1982. Ecological studies of Arctic cod (Boreogadus saida) in Beaufort Sea coastal waters, Alaska. Can. J. Fish. Aquat. Sci. 39(3): 395-406.

Crossman, E.J. Curator of Icthyology and Herpetology, Royal Ontario Museum, Toronto, Ontario, M5S 2C6.

Curtis, M.A. 1979. Metazoan parasites of resident Arctic char (Salvelinus alpinus) from a small lake on southern Baffin Island. Naturaliste Can. 106: 337-338.

______. 1984. Diphyllobothrium spp. and the Arctic charr: parasite acquisition and its effects on a lake-resident population, p. 00-00. In L. Johnson and B.L. Burns (eds.) Biology of the Arctic charr, Proceedings of the International Symposium on Arctic Charr, Winnipeg, Manitoba, May 1981. Univ. Manitoba Press, Winnipeg.

Davis, R.A., K.J. Finley, and W.J. Richardson. 1980. The present status and future management of Arctic marine mammals in Canada. L.G.L. Limited for Science Advisory Board of the Northwest Territories, Yellowknife. 93 p.

de March, L., B. de March, and W. Eddy. 1978. Limnological, fisheries and stream zoobenthic studies of Stanwell-Fletcher Lake, Canada. Can. Dep. Ind. N. Affairs - ESCOM Report Al-04: 84p.

Den Beste, J., and P.J. McCart. 1978. Nearshore marine fisheries investigations in coastal areas of southeastern Baffin Island. Aquatic Environments Limited for Esso Resources Canada Ltd., Aquitaine Co. of Canada Ltd., and Canada-Cities Service Ltd. 154 p.

Dick, T.A., and M. Belosevic. 1981. Parasites of arctic charr Savelinus alpinus (Linnaeus) and their use in separating sea-run and non-migrating charr. J. Fish Biol. 18(3): 339-347.

Donaldson, J. 1983. 1981 Wildlife harvest statistics for the Baffin Region, Northwest Territories. Baffin Region Inuit Association study on Inuit harvesting, Tech. Rep. 1: (in press).

______. 1984. 1982 Wildlife harvest statistics for the Baffin Region, Northwest Territories. Baffin Region Inuit Association study on Inuit harvesting, Tech. Rep. 2: 64 p. (in press).

Dunbar, M.J. 1947. Marine young fish from the Canadian Eastern Arctic. Fish. Res. Board Can. Bull. 73: 1-11.

______. 1958. Physical oceanographic results of the "Calanus" expeditions in Ungava Bay, Frobisher Bay, Cumberland Sound, Hudson Strait and northern Hudson Bay, 1949-1955. J. Fish. Res. Board Can. 15(2): 155-201.

Dunbar, M.J. and D.M. Moore. 1980. Marine life and its environment in the Canadian Eastern Arctic: a biogeographic study. McGill University, Montreal, Quebec, Mar. Sci. Cen. Manuscr. 33: 119 p.

Ellis D.V. 1955. Some observations on the shore fauna of Baffin Island. Arctic 8: 224-236.

Ellis, D.V. 1962. Observations on the distributions and ecology of some Arctic fish. Arctic 15(3): 179-189.

Freeman, R.S., and J. Jamieson. 1976. Parasites of Eskimos at Igloolik and Hall Beach, p. 306-315. InR.J. Shephard and S. Itoh (eds.) Circumpolar Health, Proceedings of the 3rd International Symposium, Yellowknife, N.W.T. University of Toronto Press, Toronto.

Grainger, E.H. 1948. Report on biological observations on Arctic char (Salvelinus alpinus) Frobisher Bay - 1948, p. 1-3. In Fish. Res. Board Can. Ann. Rep. Eastern Arctic Marine Investigations 1948.

______. 1953. On the age, growth, migration reproductive potential and feeding habits of Arctic charr (Salvelinus alpinus) of Frobisher Bay, Baffin Island. J. Fish. Res. Bd. Can. 10(6): 326-370.

______. 1962. Zooplankton of Foxe Basin in the Canadian Arctic. J. Fish. Res. Board Can. 19(3): 377-400.

______. 1971. Biological oceanographic observations in Frobisher Bay. II. Zooplankton data 1967-1970. Tech. Rep. Fish. Res. Board Can. 266: 61 p.

______. 1975. A marine ecology study in Frobisher Bay. II. Zooplankton data 1976-1970. Tech. Rep. Fish. Res. Bd. Can. 266: 61p.

Gyselman, E.C. 1984. Seasonal movements of anadromous Arctic charr at Nauyuk Lake, Northwest Territories, Canada, p. 575-578. In L. Johnson and B.L. Burns (eds.) Biology of the Arctic charr, Proceedings of the International Symposium on Arctic Charr, Winnipeg, Manitoba, May 1981. University of Manitoba Press, Winnipeg.

Halkett, A. 1928. Notes on a collection of fishes from Baffin Island, p. 117-118. In J.D. Soper (ed.) A faunal investigation of southern Baffin Island. Natl. Mus. Can. Bull. 53.

Hantzsch, B. 1977. My life among the Eskimos - Baffinland journey in the years 1909 to 1911. (ed. and trans. by L.H. Neatby). Institute for Northern Studies, University of Saskatchewan. Mawdsley Memoir No. 3: 396 p. + 1 map.

Higgins, G.M. 1968. The south coast of Baffin Island: an area economic survey. A.E.S.R. 67/2: 234 p.

Hildebrand, S.F. 1939. An annotated list of the fishes collected on the several expeditions of Greenland, the Foxe Basin Region, and the coast of Labrador by Captain R.A. Bartlett, from 1925 to 1935. Medd. om Groenland 125(1): 1-12.

Hunter, J.G. 1958. Production of Arctic charr in the Sylvia Grinnell River, Baffin Island. Fish Res. Bd. Can., Arctic Unit Ann. Rep. and Investigator's Summaries 1958: 3-21.

______. 1964. Parasite studies of Arctic char in Frobisher Bay, p. 15-17. In Fish Res. Board Can. Arctic Biological Station Ann. Rep. 1963-1964.

Hunter, J.G., M.B. Jones, and L.M. Rich. 1980. Chapter 6. Fishes, p. 97-134. In A marine biological study of Brevoort Harbour and nearby waters of eastern Baffin Island. Can. Manuscr. Rep. Fish. Aquat. Sci. 1557: 208 p.

______. 1965. Arctic char, Frobisher Bay Fish. Res. Bd. Can., Arctic Unit Ann. Rep. and Investigator's Summaries 1965: 11-12.

______. 1976. Arctic char and hydroelectric power in the Sylvia Grinnell River. Can. Manuser. Rep. Fish. Aquat. Sci. 1376: 21 p.

Hunter, J.G., S. Leach, D.E. McAllister, and M. Steigerwald. 1984. A distributional atlas of records of the marine fishes of Arctic Canada in the National Museums of Canada and Arctic Biological Station. Syllogeus 52: 35 p.

Inland Waters Directorate. 1973. Inventory of Canadian freshwater lakes. Water resources Branch, Environment Canada, Ottawa. 34 p. + maps.

______. 1980. Historical streamflow summary: Yukon and Northwest Territories, to 1979. Water Survey of Canada, Ottawa. 96 p.

______. 1983. Surface water data: Yukon and Northwest Territories, 1982. Water Survey of Canada, Ottawa. 100 p.

______. 1984. Surface water data: Yukon and Northwest Territories, 1983. Water Survey of Canada, Ottawa. 102 p.

Johansen, F. 1927a. Fishes from the Canadian Hudson Strait Expedition, 1927. Unpublished manuscript at the National Museum of Natural Sciences, Ottawa. 66 handwritten pages.

______. 1927b. Natural history observations during the Canadian Hudson Strait Expedition, 1927. Unpublished manuscript at the National Museum of Natural Sciences, Ottawa. 114 typed pages.

______. 1927c. Fish parasites from Hudson Strait Expedition, 1927. Unpublished manuscript at the National Museum of Natural Sciences, Ottawa. 1 typed page.

Johnson, L. 1980. The Arctic charr, Salvelinus alpinus, p. 15-98. In E.K. Balon (ed.) Charrs, salmonid fishes of the genus Salvelinus. Dr. W. Junk Publishers, The Hague.

______. 1983. Homeostatic characteristics of single species fish stocks in Arctic lakes. Can. J. Fish. Aquat. Sci. 40(7): 487-1024.

Kemp, W.B. 1976. Inuit land use in south and east Baffin Island, p. 125-151. In M.M.R. Freeman (ed.) Inuit land use and occupancy project, Vol. 1. Department of Indian and Northern Affairs, Ottawa.

Kristofferson, A.H., and D.K. McGowan. 1981. Data on Arctic charr, Salvelinus alpinus(Linnaeus), collected from test fisheries in the Baffin Region, Northwest Territories, 1975-79. Can. Data Rep. Fish. Aquat. Sci. 255: vi + 43 p.

Kristofferson, A.H., and R.D. Sopuck. 1983. The effects of exploitation on the Arctic charr population of the Sylvia Grinnell River, Northwest Territories. Can. Manuscr. Rep. Fish. Aquat. Sci. 1721: 35 p.

Labine, M. 1984. Annual station report 1983-1984: Cape Corset Station. Department of Renewable Resources, Government of the Northwest Territories. Unpublished report. 15 p.

Lee, D.S., C.R. Gilbert, C.H. Hocutt, R.E. Jenkins, D.E. McAllister, and J.R. Stauffer, Jr. 1980 et seq. Atlas of North American freshwater fishes. North Carolina State Museum of Natural History, Raleigh. i-x + 854 p.

MacLaren Atlantic Limited. 1978a. Report on biological studies, offshore cruises 77-4 through 77-7, July - December, 1977 in Davis Strait. For Imperial Oil Ltd.1, Aquitaine Co. of Canada Ltd. and Canada Cities Services Ltd. Arctic Petroleum Operators Project #138 and Appendix.

Manning, T.H. 1942. Notes on some fish of the eastern Canadian Arctic. Can. Field-Nat. 56: 128-129.

______. 1943. The Foxe Basin coasts of Baffin Island. Geogr. J. 101: 225-251.

Mansfield, A.W. 1958. Studies of char in Arctic lakes in the Frobisher Bay area, p. 22-35. In Fish. Res. Board Can. Arctic Unit Annu Rep. 1958.

Manual of Fisheries Acts and Regulations. 1984. Section 16: Northwest Territory fishery regulations. Department of Fisheries and Oceans, Ottawa. 55 p.

Martini, I.P. (ed.). 1982. Scientific studies on Hudson and James bays. Naturaliste Can. 109: 295-1019.

McAllister, D.E. 1963. Systematic notes on the sculpin genera Artediellus, Icelus, and Triglops on Arctic and Atlantic coasts of Canada. Natl. Mus. Can. Bull. 185: 50-59.

McAllister, D.E., M.E. Anderson, and J.G. Hunter. 1981. Deepwater eelpouts, Zoarcidae, from Arctic Canada and Alaska. Can. J. Fish Aquat. Sci. 38: 821-839.

McAllister, D.E., J.G. Hunter, and V. Legendre. 1980. List of Inuktitut (Eskimo), French, English and scientific names of marine fishes of Arctic Canada. National Museum of Canada, Ottawa. 106 manuscript pages.

McLaren, I.A. 1957. Studies of Ogac Lake, Frobisher Bay, p. 46-49. In Fish. Res. Board Can. Arctic Unit Ann. Rep. 1957: 46-49.

______. 1967a. Introduction to biological studies of Ogac Lake, a landlocked fiord on Baffin Island. J. Fish. Res. Board Can. 24(5): 975-980.

______. 1967b. Physical and Chemical Characteristics of Ogac Lake, a landlocked fiord on Baffin Island. J. Fish. Res. Board Can. 24(5): 981-1015.

______. 1969a. Population and production ecology of zooplankton in Ogac Lake, a landlocked fiord on Baffin Island. J. Fish. Res. Board Can. 26: 1485-1559.

______. 1969b. Primary production and nutrients in Ogac Lake, a landlocked fiord on Baffin Island. J. Fish. Res. Board Can. 26: 1561-1576.

McPhail, J.D. 1961. A systematic study of the Salvelinus alpinus complex in North America. J. Fish. Res. Board Can. 18(5): 793-816.

______. 1963. Geographic variation in North American ninespine sticklebacks Pungitius pungitius. J. Fish. Res. Board Can. 20(1): 27-44.

Meldrum, S.B. 1975. Frobisher Bay: an area economic survey, 1966-1969. A.E.S.R. 66/3: 170 p.

Moore, J.W. 1975a. Reproductive biology of anadromous Arctic char, Salvelinus alpinus (L.), in the Cumberland Sound area of Baffin Island. J. Fish Biol. 7: 143-151.

______. 1975b. Distribution, movements, and mortality of anadromous Arctic char, Salvelinus alpinus (L.), in the Cumberland Sound area of Baffin Island. J. Fish Biol. 7: 339-348.

______. 1981. Patterns of distribution of phytoplankton in northern Canada. Nova Hedwigia 34: 599-621.

Moore, I.A., and J.W. Moore. 1974a. Food of shorthorn sculpin, Myoxocephalus scorpius, in the Cumberland Sound area of Baffin Island. J. Fish. Res. Board Can. 31: 355-359.

Moore, J.W., and I.A. Moore. 1974b. Food, and growth of Arctic char, Salvelinus alpinus (L.), in the Cumberland Sound area of Baffin Island. J. Fish Biol. 6: 79-92.

Oliver, D.R. 1964. A limnological investigation of a large Arctic lake, Nettilling lake, Baffin Island. Arctic 17: 69-83.

Patriquin, D.G. 1967. Biology of Gadus morhua in Ogac Lake, a landlocked fiord on Baffin Island. J. Fish. Res. Board Can. 24(12): 2573-2594.

Pattimore, J. 1983a. Summary of harvests reported by hunters in Baffin Region, Northwest Territories during 1982. Baffin Region Inuit Association study on Inuit harvesting, Prog. Rep. 2: (in press).

______. 1983b. Summary of harvests reported by hunters in outpost camps of Baffin Region, N.W.T. during 1982. Baffin Region Inuit Association study on Inuit harvesting, Prog. Rep. 3: (in press).

Prinsenberg, S.J. 1982. Time variability of physical oceanographic parameters in Hudson Bay. Naturaliste Can. 109: 685-700.

Renewable Resources Consulting Ltd. 1972. Arctic ecology map series and descriptive report. Prepared for Canadian Wildlife Service, Environment Canada. 324 p. (second ed'n) + 34 maps.

Robinson, K.E. and D.E. McAllister. 1981. Bibliography of the marine fishes of Arctic Canada, 1771-1979. Natl. Mus. Can. 114 manuscript pages.

Schindler, D.W., H.E. Welch, J. Kalff, G.J. Brunskill, and N. Kritsch. 1974a. Physical and chemical limnology of Char Lake, Cornwallis Island (75°N lat.). J. Fish. Res. Board Can. 31(5): 585-607.

Schindler, D.W., J. Kalff, H.E. Welch, G.J. Brunskill, H. Kling, and N. Kritsch. 1974b. Eutrophication in the High Arctic - Meretta Lake, Cornwallis Island (75°N lat.). J. Fish. Res. Board Can. 31(5): 647-662.

Scott, W.B., and E.J. Crossman. 1973. Freshwater fishes of Canada. Fish. Res. Board Can. Bull. 1984: 195 p.

Soper, J.D. 1928. A faunal investigation of southern Baffin Island. Natl. Mus. Can. Bull. 53. 143p.

______. 1981. Canadian Arctic Recollections: Baffin Island 1923-1931. Inst. N. Stud., Univ. Sask., Mawdsley Memoir 4: 141 p + 1 map.

Sopuck, R. 1977. Nettilling Lake test fisheries, 1974-1976. Unpublished report on file at the Department of Fisheries and Oceans, Winnipeg. 67 p.

Stewart. D.B., and L.M.J. Bernier. 1984. An aquatic resource survey of Melville Peninsula, Southampton Island, and the northeastern District of Keewatin, Northwest Territories. Lands Directorate of Environment Canada and Northern Environment Directorate of Indian and Northern Affairs, Background Report No. 4: 144 p. + map.

______. 1985. An aquatic resource survey of southern Baffin Island, District of Franklin, Northwest Territories. Lands Directorate of Environment Canada and Northern Environment Directorate of Indian and Northern Affairs, Background Report No. 6: 144p + map.

Thomson, J.A.C. 1957. On the biology of Arctic char Salvelinus alpinus (L.) of Nettilling Lake, Baffin Island, N.W.T. M.Sc. Thesis, McGill University, Montreal. 95 p.

Toews, D. 1973. Final report of the Acadia Arctic Biological Expedition. Unpublished manuscript at the Acadia University Library, Wolfville, Nova Scotia. 34 typed pages.

Vladykov, V.D. 1934. Biological and oceanographic conditions in Hudson Bay 9. Fishes from the Hudson Bay Region (except the Coregonidae). Contrib. Can. Biol. Fish. 8(2): 13-61.

Wacasey, J.W., E.G. Atkinson, and L. Glasspoole. 1979. Zoobenthos data from upper Frobisher Bay, 1967-1973. Can. Data Rep. Fish. Aquat. Sci. 164: 99 p.

Woods, S.M. 1969. Polyteny and size variation in the copepod Pseudocalanus from two semi-landlocked fiords on Baffin Island. J. Fish Res. Board Can. 26: 543-556.

Wright, J. 1950. Arctic char, Frobisher Bay and Atlantic cod, Resolution Island. Fish. Res. Board Can. Annu. Rep. Eastern Arctic Fisheries Investigations 1950: 13-14 + Appendix A: 1-7.

Yaremchuk, G., and G. Wong. 1984. Commercial harvest of eight fish species from the Northwest Territories, 1945-1982. Can. Data Rep. Fish. Aquat. Sci. (in press).

PERSONAL COMMUNICATION

Akavak, S., R.C.M.P. Detachment, Lake Harbour, XOA ONO

Akavak, T., Field Services Officer, Lake Harbour, XOA ONO

Akeeagok, S., Department of Fisheries and Oceans, Frobisher Bay, XOA OHO

Allen, R., Department of Fisheries and Oceans, Frobisher Bay, XOA OHO

Dahlke, L. Department of Fisheries and Oceans, Frobisher Bay, XOA OHO

Ikkidluak, J. Hunters and Trappers Association, Lake Harbour XOA ONO

Johnson, A. Secretary Manager, Municipality of Lake Harbour, Lake Harbour, XOA ONO

Kilabuk, H. Frobisher Bay XOA OHO

Kilabuk, P. Wildlife Officer, G.N.W.T., Frobisher Bay OXA OHO

Labine, M. Dept. of Natural Resources, G.N.W.T. Cape Dorset XOA OCO

Manning, J. Hunters and Trappers Association, Cape Dorset XOA OCO

McAllister, D.E. Ichtheology Unit, National Museum of Natural Sciences, Otawa, Ontario K1A OM8

Noble, J. Wildlife Officers, G.N.W.T. Frobisher Bay XOA OHO

Padluk, J. Lake Harbour, XOA ONO

Peet, R. Dept. of Fisheries and Oceans, 501 University Cresc., Winnipeg, Manitoba, R3T 2N6

Reaburn, J. R.C.M.P. Detachment, Lake Harbour XOA ONO

HUNTING AND TRAPPING

Anders, G. (ed.). 1967. Baffin Island -- East Coast: Area Economic Survey. Industrial Division, Department of Indian Affairs and Northern Development. 196 p.

Anders, G. 1966. Northern Foxe Basin: Area Economic Survey 1965. Industrial Division, Department of Northern Affairs and National Resources. 139 p.

Bissett, D. 1968. Northern Baffin Island: Area Economic Survey. Industrial Division, Department of Indian Affairs and Northern Development. 2 Vols., 340 p.

Brody, H. 1975. The People's Land. Penguin. 240 p.

Crowe, K. 1969. A Cultural Geography of Northern Foxe Basin. Research Division, Department of Indian Affairs and Northern Development. 130 p.

Donaldson, J. 1984. 1982 Wildlife Harvest Statistics for the Baffin Region, Northwest Territories. Technical Report No. 2, Baffin Region Inuit Association. 64 p.

Donaldson, J. 1983. 1981 Wildlife Harvest Statistics for the Baffin Region, Northwest Territories. Technical Report No. 1, Baffin Region Inuit Association. 65 p.

Freeman, M. (ed.). 1976. Inuit Land Use and Occupancy Project. Department of Indian and Northern Affairs. Vol. 1: 125-171; Vol. 2: 1-139, 153-186, 193-206, 217-276; Vol. 3: xv-xxiii, maps 107-139.

Graburn, N. 1963. General Introduction to Lake Harbour, Baffin Island. Northern Research Division, Department of Indian Affairs and Northern Development. 34 p.

Higgins, G. 1967. South Coast -- Baffin Island: Area Economic Survey. Industrial Division, Department of Indian Affairs and Northern Development.

Inuit Land Use and Occupancy Material in the National Map Collection. 1978. Public Archives of Canada.

Regional Land Use Composites: Pond Inlet & Arctic Bay, 6 maps; Igloolik/Hall Beach, 3 maps; Lake Harbour/Cape Dorset, 4 maps.

Regional Cultural Maps: Pond Inlet/Arctic Bay, 13 maps; Igloolik/Hall Beach, 1 map; Frobisher Bay/Lake Harbour, 1 map; Cape Dorset, 1 map.

Regional Ecological Maps: Broghton Island, 1 map; Pangnirtung, 1 map; Arctic Bay/Pond Inlet, 6 maps; Igloolik/Hall Beach, 1 map; Cape Dorset/Lake Harbour/Frobisher Bay, 2 maps.

Settlement Land Use Composites: Clyde River, 4 maps.
Settlement Cultural Maps: Broughton Island, 2 maps.
Individual Map Biographies (Restricted Access): Broughton Island, Cape Dorset, Clyde River, Frobisher Bay, Lake Harbour, Pangnirtung (800 + maps).

Inuit Natural Resource Use in South-East Baffin Region. 1978. Arctic Petroleum Operators Association: 1-1 - 3-10, 4-1 - 4-9; tables 3-1 - 3-7, 4-1 - 4-5, 4-10; figures 4-1 - 4-2.

Renewable Resource Officers, Department of Renewable Resources, Government of the Northwest Territories:
Jim Noble (Frobisher Bay, Lake Harbour);
Winston Fillatre (Pangnirtung, Broughton Island Clyde River);
Michel Labine (Cape Dorset);
Don Vincent (Igloolik, Hall Beach).

1983, 1984 and 1985. Extensive Personal Communication; including 40 maps with narrative.

Yatsushiro, T. 1963. Frobisher Bay 1958. Northern Research Division, Department of Indian Affairs and Northern Development. 42 p.

1983 Data Tables. 1984. Harvesting Study, Baffin Region Inuit Association: Broughton Island, Cape Dorset, Clyde River, Frobisher Bay, Lake Harbour, Pangnirtung. 24 tables.

HISTORICAL INFORMATION

A brief History of the R.C.M.P. at Dundas Harbour, Devon Island, N.W.T., 7 p., unpublished typescript provided by S. Horrall, RCMP Historian.

Allen, Everett S. Arctic Odyssey. New York: Dodd, Mead and Company, 1963.

Allen, Greg. "William Penny, Shipmaster", Aberdeen Leopard. (1) November, 1982 (pages not noted). (2) December-January, 1982-83, pp. 14-15, (3) February, 1983, pp. 21-22.

Baird, P.D. "Baffin Island", The Beaver, Spring 1967, pp. 20-33.

Baird, P.D. and J.L. Robinson. "A Brief History of Exploration and Research in the Canadian Eastern Arctic", Canadian Geographical Journal, March 1945, pp. 137-157.

Barr, William and Chuck Tolley. "The German Expedition at Clearwater Fiord, 1982-83", The Beaver, Outfit 313:2, Autumn 1982. pp. 36-45.

Barrow, John. A Chronological History of Voyages into the Arctic Regions (1818). London: John Murray, 1918. (reprinted 1971 by David and Charles Reprints, Devon, England).

Bennett, P.M. "The British-Canadian Arctic Expedition", Geographical Journal, Vol. 95:2, February 1940. pp. 109-120.

Bernier, Joseph-Elzear. Report on the Dominion Government Expedition to Arctic Islands and the Hudson Strait on Board the C.G.S. 'Arctic' 1906-1907. Ottawa: King's Printer, 1909.

______. Report on the Dominion of Canada Government Expedition to the Arctic islands and Hudson Strait on Board the D.G.S. 'Arctic'. Ottawa: Government Printing Bureau, 1910.

______. Report on the Dominion Government Expedition to the Northern Waters and Arctic Archipelago of the D.G.S. 'Arctic' in 1910. Ottawa: Government Printing Bureau 1911.

Blake, E. Vale (ed.). Arctic Experiences, containing Capt. George E. Tyson's Wonderful Drift on the Ice-Floe.....New York: Harper and Brothers, 1874.

Boas, Franz. "A Year Among the Eskimo", Bulletin of the American Geographical Society, Vol. 19, 1887, pp. 383-402.

Boas, Franz. The Central Eskimo. Washington: Smithsonian Institution (Sixth Annual Report of the Bureau of Ethnology), 1888.

______. "A Journey in Cumberland Sound and on the West Shore of Davis Strait in 1883 and 1884", American Geographical Society, Journal, Vol. 16, 1884, pp. 241-272.

Canada's Arctic Islands: Canadian Expeditions 1922-23-24-25-26. Ottawa: Department of the Interior, 1927.

Coastal Detachments in the North West Territories, 3 p., unpublished typescript provided by S. Horrall, RCMP Historian.

Cooke, Alan and Clive Holland. The Exploration of Northern Canada: 500 to 1920, A Chronology. Toronto: The Arctic History Press, 1958.

Copland, A. "Esquimaux in Captivitie", North, Vol. 14:2, March-April 1967, pp. 1.

Copland, Dudley. Livingstone of the Arctic. Ottawa: published by the author, 1967.

Copland, A. "Memories of a Whaling Town", North. Vol. 13:5, September-October, 1966. pp. 1-4.

Cull, Richard. "A Description of Three Esquimaux from Kinnooksook, Hogarth Sound, Cumberland Strait", Ethnological Society of London, Journal, Vol. 4, 1856, pp. 215-225.

Dunbar, Moira and Keith R. Greenaway. Arctic Canada From The Air. Ottawa: Defence Research Board, 1956.

Early European Exploitation of the Northern Atlantic, 800-1700. Groningen, Netherlands: Arctic Centre, University of Groningen, 1981.

Fleming, A.L. Perils of the Polar Pack. Toronto: Missionary Society of the Church of England in Canada, 1932.

______. Archibald the Arctic. New York: Appleton-Century-Crofts, Inc., 1956.

Fraser, Robert J. and William F. Rannie. Arctic Adventurer: Grant and the Seduisante. Lincoln, Ontario: W.F. Rennie, 1972.

Friis, Herman R. (ed.). The Arctic Diary of Russell Williams Porter. Charlottesville: University Press of Virginia, 1976.

Greenshield, Rev. E.W.T. "An Arctic Shipwreck", (part 5), Church Missionary Gleaner, 01 September 1911, page 132.

Hall, Charles Francis. Life with the Esquimaux. London: Sampson Low, Son, and Marston, 1864 (2 vol.).

Harper, Kenn. Historical Survey: Baffin Island National Park. Unpublished report submitted to Parks Canada, 1975.

______. "Eskimo Accounts of Hector Pitchforth", Polar Notes, No. XIII, 1973, pp. 32-39.

______. "The Moravian Mission at Cumberland Sound", The Beaver, Outfit 312:1, Summer 1981, pp. 43-47.

______. "Pangnirtung", The Beaver, Winter 1973, pp. 38-40.

______. "The Burning of the Easonian", North/Nord, May-June 1974, pp. 30-31.

______. "Baffin Island National Park - A Wilderness Preserved", North/nord, May-June 1973, pp. 19-25.

______. "The Passing of Padloping", North/nord, July-August 1971, pp. 42-43.

Holland, Clive A. "William Penny, 1809-92: Arctic Whaling Master", Polar Record, Vol. 15:94, 1970, pp. 25-43.

Horwood, Harold. Bartlett, the Great Canadian Explorer. Toronto: Doubleday Canada Ltd., 1977.

Howgate, Captain H.W. (ed.). The Cruise of the Florence. Washington: James J. Chapman, 1879.

Keelooyak, "Keelooyak's Story", Inuit Today, 9 parts beginning in Vol. 4:5, May 1975, and continuing in 8 successive issues.

Kemp, David. "Ghost Settlement Included in Baffin Island National Park", North, Vol. 19, Sept.-Oct. 1972. pp. 12-13.

Kitto, F.H. The North West Territories. Ottawa: Department of the Interior, 1930.

Kumlien, Ludwig. Contributions to the Natural History of Arctic America, made in connection with the Howgate Polar Expedition, 1877-78. Washington: U.S. Government Printing Office (U.S. National Museum, Bulletin No. 15), 1879.

Loomis, Chauncey C. Weird and Tragic Shores. London: MacMillan, 1972.

Low, Albert Peter. Report on the Dominion Government expedition to Hudson Bay and the Arctic Islands on board the D.G.S. Neptune, 1983-1904. Ottawa: Government Printing Bureau, 1906.

Lubbock, Basil. The Arctic Whalers. Glasgow: Brown, Son and Ferguson, 1937. (1978 reprint).

MacDonnell, Barry. The Immigen Settlement, Baffin Island; An example of Post-Contact Eskimo Habitation Structures. Calgary: Western Publishers, 1979.

Manning. T.H. "The Foxe Basin Coast of Baffin Island", Geographical Journal, Vol. 101, 1943, pp. 225-251.

Markham, Clements Robert, (ed.). The Voyages of William Baffin, 1612-1622. London: Hakluyt Society, 1881.

Markham, Clements R. A Life of John Davis, the Navigator. London: George Philip and Son., 1891.

Mathiassen, Therkel. Report of the Fifth Thule Expedition 1921-24. Report on the Expedition, Volume 1, Number 1. Copenhagen: Gyldendalske Boghandel, 1946.

Millward, A.E. Southern Baffin Island. Ottawa: Department of the Interior, 1930.

Morison, Samuel Eliot. The European Discovery of America: The Northern Voyages. New York: Oxford University Press, 1971.

Munn, Henry Toke. "Southampton Island", Geographical Journal, Vol. 54, 1919, pp. 52-55.

______. Prairie Trails and Arctic By-Ways, London: Hurst and Blackett, 1932.

Mutch, Captian James S. "Whaling in Ponds Bay", in Boas Anniversary Volume, Anthropological Papers written in honour of Franz Boas. New York: 1906.

Neatby, Leslie H. In Quest of the North West Passage. Toronto: Longmans, Green and Company, 1958.

______. "The White Brother of the Baffinland Eskimos", The Chelsea Journal, Vol. 5:2, March-April 1979, pp. 52-57.

______. (trans. and ed.). My Life Among the Eskimos: The Baffinland Journals of Bernhard Adolph Hantzsch, 1909-1911. Saskatoon: University of Saskatchewan, 1977.

Outerbridge, Sir Joseph. "My Voyage to Cumberland Inlet", Atlantic Advocate, Vol. 59, April 1969, pp. 50-68.

Parmi, Erika S. Microfilm Edition of Arctic Logbooks in the Stefansson Collection.

Parry, William Edward. Journal of a voyage for the discovery of a North-West Passage from the Atlantic to the Pacific; performed in the years 1819-20... London: John Murray, 1821.

Parry, William Edward. Journal of a second voyage for the discovery of a North-West Passage from the Atlantic to the Pacific; performed in the years 1821-22-23... London: John Murray, 1824.

Pelly, David F. "The DEW Line", North, Vol. 29:1, Spring 1982, pp. 18-23.

Periodical Accounts Relating to the Missions of the Church of the United Brethren, established among the Heathen, Vol. 17, 19, 20, 21, 22, 23, 24.

Pitchforth, Hector. Letter to W.P. Jobson, Kivitoo, 22 August 1924, 60 p., in Stefansson Collection.

______. Letter to W.P. Jobson, Kater, 28 August 1924, 8 p., in Stefansson Collection.

Pitseolak, Peter and Dorothy Eber. People from our Side. Edmonton: Hurtig, 1975.

Polunin, Nicholas. Arctic Unfolding. London: Hutchinson and Co., 1949.

Price, Ray. The Howling Arctic. Toronto: Peter Martin Associates Ltd., 1970.

Putnam, George Palmer. "The Putnam Baffin Island Expedition", The Geographical Review, Vol. 18:1, 1928, pp. 1-27.

Ross, W. Gillies. The Davis Strait Whale Fishery 1820-1860. Unpublished typescript report to the National Museum of Man, 1974.

______. Whaling and Eskimos: Hudson Bay 1860-1915. Ottawa: National Museum of Man (Publications in Ethnology, No. 10), 1975.

______, (ed.). An Arctic Whaling Diary: The Journal of Captain George Comer in Hudson Bay, 1903-1905. Toronto: University of Toronto Press, 1984.

Savours, Anne (ed.). "Journal of a Whaling Voyage from Dundee to Davis Strait, 1894", Polar Record, Vol. 10, May 1960, pp. 126-137.

Soper, J. Dewey. The Blue Goose. Ottawa: Department of the Interior, 1930.

Soper, J. Dewey. "Explorations in Foxe Peninsula and along the west coast of Baffin Island", Geographical Review, Vol. 20, 1930, pp. 397-424.

______. "Explorations in Baffin Island", Geographical Journal, Vol. 75, 1930, pp. 435-443.

Stefansson, Vilhjalmur (ed.). The Three Voyages of Martin Frobisher. London: The Argonaut Press, 1938. (reprint 1971by Da Capo Press, New York).

Sutherland, Peter Cormack. "On the Esquimaux", Ethnological Society of London, Journal, Vol. 4, 1856, pp. 193-214.

Usher, Peter J. Fur Trade Posts of the Northwest Territories. Ottawa: Department of Indian Affairs and Northern Development (Northern Science Research Group), NSRG-71-4), 1971.

Wakeham, William. Report of the Expedition to Hudson Bay and Cumberland Gulf in the Steamship 'Diana'. Ottawa: Queen's Printer, 1898.

White, Gavin. The Far Shores of Baffin. Unpublished manuscript.

______. "Missionaries and Traders in Baffin Island, 1894-1913", Journal of the Canadian Church Historical Sceoity, Vol. 17:1, March 1975, pp. 2-10.

______. "Three Years Alone in Eskimo-land, and then a Bluemoganner sailed the Albert into port of Peterhead, with a Yakkie and his son both rescued off an iceberg", Buchan Observer, 10 January 1967.

______. "Albert of Peterhead", Buchan Observer, (1) 02 Janaury 1973, (2) 09 January 1973, (3) 16 January 1973, (4) 23 January 1973.

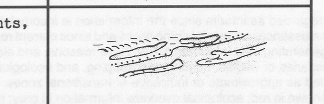
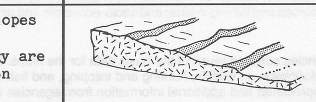
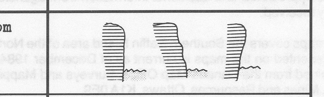
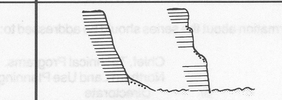
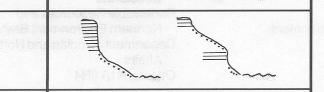
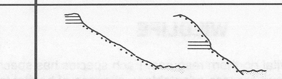
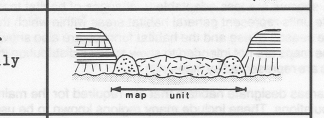
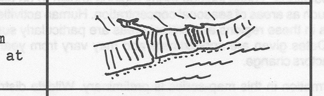
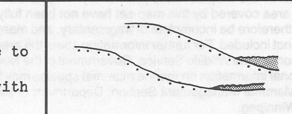
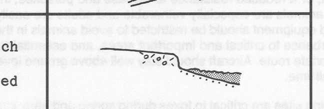
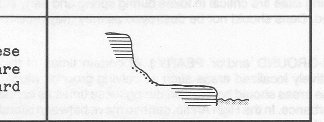
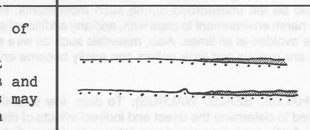
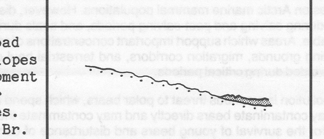
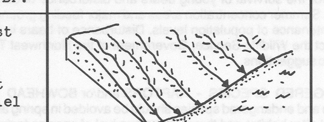
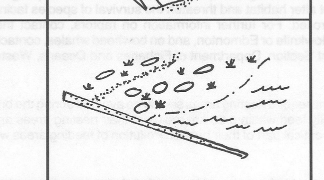
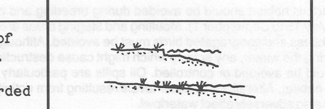
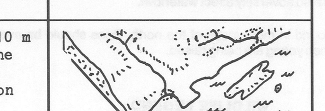
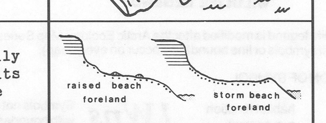
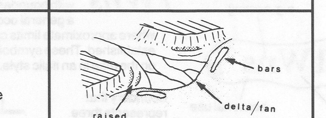
______. "Sabellum Trading Company - Peterhead to the Arctic", Buchan Observer, (1) 31 August 1971, (2) 07 September 1971.

______. "Scottish Traders to Baffin Island, 1910-1930". Maritime History, Vol. 5:1, Sprinig 1977, pp. 34-50.

______. "Frobisher Bay: Moonshine Sketches of a Little Town", The Canadian Forum, Nov. 1959, pp. 172-174.

COASTAL CLASSIFICATION

NLUIS AREA 13 South Baffin Island

CODE	CLASS AND DESCRIPTION	DIAGRAMS (NOT TO SCALE)
Bc	CONTEMPORARY BEACH COMPLEX - High energy depositional environments, which are usually extensive. Spits, bars, lagoons, former beach ridges and storm beaches all common, as are gravel forelands and raised beaches inland. Coarse sands and gravels are typical materials.	
Br	RAISED BEACH SEQUENCE - Series of beach ridges occurring on slopes steeper than 5° to 10° extending up to 2 km inland. Surface materials are gravel. Narrow comtemporary beaches of low energy are ubiquitous. Wider beaches are classed as Bc, and strandlines on generally level plains are classed as Pg.	
Ca	CLIFFS WITH NO TALUS. Precipitous rock slopes, that range from 65° to vertical or overhanging. The cliff face may include prominent rock ledges. This class has no beach and occurence is very limited.	
Cb	CLIFFS WITH LESS THAN 1/3 COVERED BY BLOCKY, RUBBLY COLLUVIUM. As class Ca but with up to one third of the height covered by colluvial deposits of various thickness and extent. Colluvium is normally barren to sparsely vegetated. Narrow (1-3m) coarse gravel to boulder beaches are common.	
Cc	CLIFFS WITH 1/3 to 2/3 COVERED BY BLOCKY, RUBBLY COLLUVIUM. As class Cb, but with more extensive colluvium.	
Cd	CLIFFS WITH MORE THAN TWO-THIRDS TALUS. As class Cc, but mostly talus covered. As talus attains complete cover, this class grades into Hc.	
Gl	GLACIERS - glacier ice which reaches the sea and results in calving. Unit includes associated lateral moraines and bluffs of till with small gravel beaches. Classes Cb, Cc and Cd are normally found juxtaposed. Where the ice has retreated to leave a gravel plain, class Pg or Ps takes precedence.	
Hb	BLUFFS - ERODING HILLS. Steep slopes over 10m high of unconsolidated materials, generally free of talus, resulting from past or present erosion at the base. Gullies and a narrow beach at low tide are common.	
Hc	COLLUVIAL HILLSLOPES. Smooth sloping colluvium, typically undergoing sheet wash or solifluction extending to narrow gravel beaches. This class occurs mostly in sheltered waters; exposure to significant wave action would quickly erode these materials and create beach or foreland conditions. This class grades into Cd with increasing slope.	
Hr	ROCKY HILLS. Mainly bedrock controlled slopes, over 5-10° which extend from over 10m elevation. Pockets of colluvium small pocket beaches, and sections of precipitous rock slopes are common. Stretches of narrow, coarse textured beaches may extend along the shoreline. Islands and reefs are common offshore.	
Hs	SLUMPS, Steep over 10 m. high slopes of unconsolidated, or weakly consolidated materials, which display rotational or planar slumping. Bowl scars, mud flows, gullies and narrow tidal beaches are common.	
Pb	ERODED PLAINS - CUTBANKS. Coastal plains of unconsolidated, cohesive materials such as clay - till or lacustine sediments which are eroded at the shoreline to produce low bluff backshores and typically narrow beaches. Similar coasts in bedrock are classified Pc.	
Pc	ROCKY PLAINS WITH LOW CLIFFS. These normally occur as low rock forelands in front of rocky hills or high cliffs with talus. These rock forelands range in width from 10's of metres to 1-2 km and are typically less than 10 m high. Near vertical cliffs at the seaward end are common. Beaches of any king are rare.	
Pf	FLUVIAL PLAINS - SANDFLATS - Extensive deposits (up to 100 km^2) of unconsolidated alluvial sand and/or silt resulting from rapid terrestrial erosion inland, and coinciding with wave and current free nearshore conditions; microrelief features such as channels and beach ridges are quickly obliterated by wind action. Shorelines may be marked by push ridges, but it is also common to find no beach forms whatever, just a smooth progression from land to sea	
Pg	IRREGULAR PLAIN (formerly till plain, Pt). Similar to Pi in broad relief - plains of less than 10 m elevation near the coast and slopes typically less than 5° to 10°, coupled with limited beach development and shallows nearshore. Medium to coarse sediments and irregular terrain prevail, such as related to morainal plains or strandlines. Strandlines on progressively inclined surfaces are classified as Br.	
Pi	INCLINED PLAIN: Plains of less than 10 m elevation near the coast and slopes typically less than 5-10°, coupled with limited beach development and shallows nearshore. Fine to medium textured materials and smooth terrain prevail, such as related to emergent marine deposits or pediments. Local drainage is typically parallel and perpendicular to the coast.	
Pl	LEVEL PLAIN. Extensive deposits of marine and/or fluvial deposits of fine textured materials coinciding with wave and current free nearshore conditions. Backshore is typically an almost zero relief plain with numerous shallow ponds, and possibly widely spaced low strandlines. Shorelines may be indicated by beach ridges, but it is also common to find no beach forms whatever, just a smooth progression from land to sea. Typically, the plain extends offshore with wide near-shore or tidal flats.	
Po	ORGANIC PLAINS. A very low, often featureless plain or fringe of organic materials, usually associated with very sheltered waters. Shores are low banks of organic accumulations or progressive intermixing of open water and emergent vegetation. Usually recorded as the minor component in a shoreline rating.	
Pr	ROCKY PLAINS. Rocky slopes of low elevation usually less than 10 m and slopes generally less than 5-10°. Patchy colluvial or moraine veneer and pocket beaches and fans and intermittent to scattered narrow gravel beaches occur. Islands, reefs and shoals are common offshore.	
Ps	PLAINS WITH STEEP BACKSHORE (other than rock controlled). Forelands or plains consisting of unconsolidated sediments, usually as raised fans or raised marine platforms covered by beach deposits past or present. The plain changes abruptly to a steep backshore usually 20-35° with a narrow contemporary beach.	
Rf	RIVER MOUTH AND FLUVIAL COMPLEXES - includes features associated with river mouths: fans, deltas, estuaries, tidal flats marshes, baymouth bars, spits, etc. Smaller fans grade into Ps where isostatic rebound exceeds the stream's debris supply, causing the fan to be raised and the stream to incise.	
U	UNDIFFERENTIATED CLIFFS, HILLS or PLAINS. In cases where imagery is poor and no field checks were made, it may be impossible to determine the sub-class.	
P	NEARSHORE FLAT. Indicates the presence of a low-slope tidal or nearshore flat extending 200 to several hundreds of metres offshore. The flat may be composed of fine textured materials, particularly if associated with a level plain (P1), or it may be a rock bench or platform with a patchy veneer of fines. On tidal flats, ie. where tidal range is typically greater than 1.5m, ice-rafted boulders may occur, singly, or in nets or as boulder barricades.	