

Supplement Table S1. Partial list of projects in the Eastern Bering, Chukchi, and Beaufort Seas

Acronym	Name	Region	Dates	Special Volume(s) or Reference
PROBES	Processes and Resources of the Eastern Bering Sea Shelf	SE Bering Sea Shelf	1974–1982	<ul style="list-style-type: none"> • <i>Continental Shelf Research</i> 5(1–2), 1986.
OCSEAP	Outer Continental Shelf Environmental Assessment Program	Beaufort, Chukchi, eastern Bering Sea, and Gulf of Alaska	1975–1989	<ul style="list-style-type: none"> • Hood, D.W., and J.A. Calder, eds. 1981. <i>The Eastern Bering Sea Shelf: Oceanography and Resources</i>, vols 1 & 2. US Department of Commerce, NOAA Office of Marine Pollution Assessment, Seattle, WA.
BERPAC	Originally called the Long-Term Ecological Research of Marine Ecosystems in the Arctic and Pacific Oceans	Chukchi and Bering Seas, North Pacific Ocean	1977–1997	<ul style="list-style-type: none"> • Tsyban, A. 1999. Ecological investigations in the Russian Arctic seas: Results and perspectives. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 9:503–508.
ISHTAR	Inner Shelf Transport and Recycling	Northeastern Bering and Chukchi Seas	1983–1989	<ul style="list-style-type: none"> • <i>Continental Shelf Research</i> 13(5–6), 1993.
B.S. FOCI	Bering Sea Fisheries-Oceanography Coordinated Investigations	SE Bering Sea	1991–1997	<ul style="list-style-type: none"> • Macklin, S.A., and G.L. Hunt Jr. 2004. <i>The Southeast Bering Sea Ecosystem: Implications for Marine Resource Management</i>. NOAA Coastal Ocean Program, Decision Analysis Series No. 24, 192 pp.
SHEBA	Surface Heat Budget of the Arctic Ocean Project	Beaufort Sea	1995–2002	<ul style="list-style-type: none"> • <i>Journal of Geophysical Research</i> 107(C10), 2002.
SEBSCC	Southeast Bering Sea Carrying Capacity	SE Bering Sea	1996–2002	<ul style="list-style-type: none"> • Macklin and Hunt, 2004.
IFP	Inner Fronts Program	SE Bering Sea	1997–2000	<ul style="list-style-type: none"> • <i>Progress in Oceanography</i> 55(1–2), 2002. • <i>Deep-Sea Research II</i> 49(26), 2002. • Macklin and Hunt, 2004.
SBI	Shelf-Basin Interactions	Beaufort Sea	1999–2008	<ul style="list-style-type: none"> • <i>Deep-Sea Research II</i> 52 (24–26), 2005. • <i>Deep-Sea Research II</i> 56 (17), 2009.
BASIS	Bering-Aleutian Salmon International Survey	Eastern Bering Sea	2002–present	<ul style="list-style-type: none"> • <i>North Pacific Anadromous Fish Commission Bulletin</i> No. 5, 2009.
RUSALCA	Russian-American Long-Term Census of the Arctic	Bering and Chukchi Seas	2004–present	<ul style="list-style-type: none"> • <i>Deep-Sea Research II</i> 57(1–2), 2010.
NPCREP	North Pacific Climate Regimes and Ecosystem Productivity	Eastern Bering Sea and Gulf of Alaska	2004–present	<ul style="list-style-type: none"> • www.pmel.noaa.gov/foci/NPCREP/index.shtml • Stabeno et al., in review.
PIP	Pribilof Islands Project	SE Bering Sea	2004–2005	<ul style="list-style-type: none"> • <i>Deep-Sea Research II</i> 55(16–17), 2008.
BEST	Bering Sea Ecosystem Study	Eastern Bering Sea	2007–present	<ul style="list-style-type: none"> • bsierp.nprb.org • <i>Deep-Sea Research II</i>, 2011.
BSIERP	Bering Sea Integrated Ecosystem Research Program	Eastern Bering Sea	2008–present	<ul style="list-style-type: none"> • bsierp.nprb.org • <i>Deep-Sea Research II</i>, 2011.
C3O	Canada's Three Oceans	subarctic Pacific, Bering, Chukchi, Beaufort, Canadian Archipelago, Lancaster Sound, Baffin Bay, Labrador Sea	2007–present	<ul style="list-style-type: none"> • Carmack, E.C., F.A. McLaughlin, S. Vagle, H. Melling, and W.J. Williams. 2010. Structures and property distributions in the three oceans surrounding Canada in 2007: A basis for a long-term ocean climate monitoring strategy. <i>Atmosphere-Ocean</i> 48(4):211–224.
CASES	Canadian Arctic Shelf Exchange Study	Beaufort Sea and Amundsen Gulf	2002–2007	<ul style="list-style-type: none"> • Fortier, L., and J.K. Cochran. 2008. Introduction to special section on Annual Cycles on the Arctic Ocean Shelf. <i>Journal of Geophysical Research</i> 113, C03S00, doi:10.1029/2007JC004457.
ANIMIDA and CANIMIDA	Arctic Nearshore Impact Monitoring in Development Area, Phase I and Phase II	Beaufort Sea	1999–2006	<ul style="list-style-type: none"> • http://www.alaska.boemre.gov/ess

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Acronym	Name	Region	Dates	Special Volume(s) or Reference
CMI	Coastal Marine Institute Studies	Gulf of Alaska, Bering, Chukchi and Beaufort Seas	1992–present	<ul style="list-style-type: none"> • http://www.alaska.boemre.gov/ess • http://www.sfos.uaf.edu/cmi/
COMIDA	Chukchi Sea Offshore Monitoring in Drilling Area	Chukchi Sea	2009–present	<ul style="list-style-type: none"> • http://www.comidacab.org/ • http://www.alaska.boemre.gov/ess
	Plowshares Program	Chukchi Sea	1959–1961	<ul style="list-style-type: none"> • Wilimovsky, N.J., and J.N. Wolfe, eds. 1966. <i>Environment of the Cape Thompson Region, Alaska</i>. US Atomic Energy Commission, 1,250 pp.
IPY	International Polar Years	Arctic	1882–1883, 1932–1933, 2008–2008	<ul style="list-style-type: none"> • Ray, P.H. 1885. <i>Report of the International Polar Expedition to Point Barrow, Alaska</i>. Government Printing Office, Washington, DC, 695 pp.
AIDJEX	Arctic Ice Dynamics Joint Experiment	Beaufort Sea	1972–1976	<ul style="list-style-type: none"> • Untersteiner, N. 2007. A retrospective, AIDJEX revisited: A look back at the U.S.-Canadian Arctic Ice Dynamics Joint Experiment 1970–78. <i>Arctic</i> 60(3):327–336.
PCSP	Polar Continental Shelf Project	Arctic	1958–present	<ul style="list-style-type: none"> • Roots, E.F. 1962. Canadian Polar Continental Shelf Project, 1959–62. <i>Polar Record</i> 11:270–76 • Lloyd, T. 1977. Pp 34–39 in <i>Truelove Lowland, Devon Island, Canada: A High Arctic Ecosystem</i>. University of Alberta Press, Edmonton • Bliss, L.C., ed. 1977. <i>Truelove Lowland, Devon Island, Canada: A High Arctic Ecosystem</i>. University of Alberta Press, Edmonton, 714 pp