

## DR. ANDREW W. TRITES

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### ACADEMIC CREDENTIALS

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PhD	Zoology	University of British Columbia	1985 – 1990
MSc	Zoology	University of British Columbia	1980 – 1984
BSc	Math & Ecology	McGill University	1976 – 1980

### PROFESSIONAL CREDENTIALS

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Director	UBC Marine Mammal Research Unit	1992 –
Director	N. Pacific Univers. Mar. Mamm. Res. Consort.	1992 –
Associate Member	UBC Department of Zoology	1995 –
Research Associate	Vancouver Aquarium	1995 –
Professor	UBC Fisheries Centre	2006 –
Associate Professor	UBC Fisheries Centre	2000 – 2005
Assistant Professor	UBC Fisheries Centre	1995 – 1999
Research Associate	UBC Fisheries Centre	1992 – 1994
NSERC Post-Doc	Fisheries and Oceans Canada	1990 – 1992

### PROFESSIONAL ACTIVITIES

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**Areas of special interest:** Data Analysis, Fisheries, Pop. Biology, Biology of Marine Mammals

**Courses Taught:** Fish 506–Critical Issues in Fisheries; Mar. Sci. 455–Bio. of Marine Mammals

**Students Supervised:** 36–MSc; 6–PhD; 12–Post Doc, 14–Undergrad.

### PROFESSIONAL AFFILIATIONS

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Member	Marine Mammal Subcommittee	COSEWIC	2007-
Member	Advisory Panel Mar. Birds & Mamm.	PICES	2005-
Advisor	Research and Conservation Committee	Vancouver Aquarium	1994-
Member	Society for Marine Mammalogy		1993-
Member	Steller Sea Lion Recovery Team	US Nat. Mar. Fish. Serv.	2001-2006
Member	Killer Whale Recovery Team	Fisheries & Oceans Can.	2004-2006
Member	Committee on the Status of Endangered	Wildlife in Canada	1999-2007
Co-Chair	Marine Mammal Subcommittee	COSEWIC	1999-2007

## REFEREED PUBLICATIONS

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- Osman, L.P., C.A. Moreno, and A.W. Trites. *In press*. Growth rates and differential investment in male and female Juan Fernández fur seal pups. *Journal of Mammalogy*.
- Soto, K.H., and A.W. Trites. *In press*. South American sea lions in Peru have a lek-like breeding system. *Marine Mammal Science*.
- Keech, A.L., D.A.S. Rosen, R.K. Nelson Booth, A.W. Trites, and S.K. Wasser. 2010. Fecal triiodothyronine and thyroxine concentrations change in response to thyroid stimulation in Steller sea lions (*Eumetopias jubatus*). *General and Comparative Endocrinology* 166: 180-185.
- Viviant, M., A.W. Trites, D.A.S. Rosen, P. Monestiez, and C. Guinet. 2010. Prey capture attempts can be detected in Steller sea lions and other marine predators using accelerometers. *Polar Biology*. 33: 713-719
- Jeanniard du Dot, T., D. A. S. Rosen, and A. W. Trites. 2009. Energy re-allocation during and after periods of nutritional stress in Steller sea lions: low-quality diet reduces capacity for physiological adjustments. *Physiological and Biochemical Zoology* 89: 516-530.
- Jeanniard du Dot, T., D. A. S. Rosen, J. P. Richmond, A. S. Kitaysky, S. A. Zinnb, and A. W. Trites. 2009. Changes in glucocorticoids, somatotropic and thyroid hormones as indicators of nutritional stress and subsequent refeeding in Steller sea lions (*Eumetopias jubatus*). *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology* 152: 524-534.
- Rea, L. D., M. Berman, D. A. S. Rosen, and A. W. Trites. 2009. Seasonal differences in biochemical adaptation to fasting in juvenile and subadult Steller sea lions (*Eumetopias jubatus*). *Physiological and Biochemical Zoology* 82: 236-247.
- Sigler, M.F., Tollit, D.J., Vollenweider, J.J., Thedinga, J.F., Csepp, D.J., Womble, J.N., Wong, M.A., Rehberg, M.J., & Trites, A.W. 2009. Foraging response of a marine predator, the Steller sea lion, to seasonal changes in prey availability. *Marine Ecology Progress Series* 388: 243-261.
- Tollit, D. J., A. D. Schulze, A. W. Trites, P. F. Olesiuk, S. J. Crockford, T. S. Gelatt, R. R. Ream, and K. M. Miller. 2009. Development and application of DNA techniques for validating and improving pinniped diet estimates. *Ecological Applications* 19: 889-905.
- Gregg, E. J., and A. W. Trites. 2008. A novel presence-only validation technique for improved Steller sea lion *Eumetopias jubatus* critical habitat descriptions. *Marine Ecology Progress Series*: 365:247-261.
- Fahlman, A., G. D. Hastie, D. A. S. Rosen, Y. Naito, and A. W. Trites. 2008. Buoyancy does not affect diving metabolism during shallow dives in Steller sea lions *Eumetopias jubatus*. *Aquatic Biology* 3:147-154.
- Fahlman, A., R. Wilson, C. Svärd, D.A.S. Rosen, and A.W. Trites. 2008. Activity and diving metabolism correlate in Steller sea lions (*Eumetopias jubatus*). *Aquatic Biology* 2: 75-84.
- Fahlman, A., C. Svärd, D. A. S. Rosen, D. R. Jones, and A. W. Trites. 2008. Metabolic costs of foraging and the management of O<sub>2</sub> and CO<sub>2</sub> stores in Steller sea lions. *Journal of Experimental Biology* 211:3573-3580.
- Jeanniard du Dot, T., D. A. S. Rosen, and A.W. Trites. 2008. Steller sea lions show diet-dependent changes in body composition during nutritional stress and recover more easily

- from mass loss in winter than in summer. *Journal of Experimental Marine Biology and Ecology* 367: 1-10.
- Maschner, H. D. G., M. W. Betts, K. L. Reedy-Maschner, and A. W. Trites. 2008. A 4500-year time series of Pacific cod (*Gadus macrocephalus*) size and abundance: archaeology, regime shifts, and sustainable fisheries. *Fishery Bulletin* 106:386-394.
- Trites, A.W., and D.G. Calkins. 2008. Diets of mature male and female Steller sea lions differ and cannot be used as proxies for each other. *Aquatic Mammals* 34: 25-34.
- Ban, S., and A.W. Trites. 2007. Quantification of terrestrial haul-out and rookery characteristics of Steller sea lions. *Marine Mammal Science* 23:496-507.
- Cheneval, O., R.W. Blake, A.W. Trites, and K.H.S. Chan. 2007. Turning maneuvers in Steller sea lions (*Eumetopias jubatus*). *Marine Mammal Science* 23:94-109.
- Hastie, G.D., D.A.S. Rosen, and A.W. Trites. 2007. Reductions in oxygen consumption during dives and estimated submergence limitations of Steller sea lions (*Eumetopias jubatus*). *Marine Mammal Science* 23:272-286.
- Huynh, M.D., D.D. Kitts, C. Hu, and A.W. Trites. 2007. Comparison of fatty acid profiles of spawning and non-spawning Pacific herring, *Clupea harengus pallasii*. *Comparative Biochemistry and Physiology, Part B* 146:504-511.
- Matkin, C.O., L.G. Barrett-Lennard, H. Yurk, D. Ellifrit, and A.W. Trites. 2007. Ecotypic variation and predatory behavior among killer whales (*Orcinus orca*) off the eastern Aleutian Islands, Alaska. *Fishery Bulletin* 105:74-87.
- Rea, L.D., D.A.S. Rosen, and A.W. Trites. 2007. Utilization of stored energy reserves during fasting varies by age and season in Steller sea lions. *Canadian Journal of Zoology* 85: 190-200.
- Tollit, D.J., S.J. Heaslip, R.I. Barrick, and A.W. Trites. 2007. Impact of diet-index selection and the digestion of prey hard remains on determining the diet of the Steller sea lion (*Eumetopias jubatus*). *Canadian Journal of Zoology* 85:1-15.
- Trites, A.W., D.G. Calkins, and A.J. Winship. 2007. Diets of Steller sea lions (*Eumetopias jubatus*) in Southeast Alaska, 1993 to 1999. *Fisheries Bulletin* 105:234-248.
- Trites, A. W., V. B. Deecke, E. J. Gehr, J. K. B. Ford, and P. F. Olesiuk. 2007. Killer whales, whaling and sequential megafaunal collapse in the North Pacific: a comparative analysis of the dynamics of marine mammals in Alaska and British Columbia following commercial whaling. *Marine Mammal Science* 23: 751-765.
- Trites, A.W., A.J. Miller, H.D.G. Maschner, M.A. Alexander, S.J. Bograd, J.A. Calder, A. Capotondi, K.O. Coyle, E.D. Lorenzo, B.P. Finney, E.J. Gehr, C.E. Grosch, S.R. Hare, G.L. Hunt, J. Jahncke, N.B. Kachel, H.-J. Kim, C. Ladd, N.J. Mantua, C. Marzban, W. Maslowski, R. Mendelssohn, D.J. Neilson, S.R. Okkonen, J.E. Overland, K.L. Reedy-Maschner, T.C. Royer, F.B. Schwing, J.X.L. Wang, and A.J. Winship. 2007. Bottom-up forcing and the decline of Steller sea lions (*Eumetopias jubatus*) in Alaska: assessing the ocean climate hypothesis. *Fisheries Oceanography* 16:46-67.
- DeMaster, D.P., A.W. Trites, P. Clapham, S. Mizroch, P. Wade, R.J. Small, and J. Ver Hoef. 2006. The sequential megafaunal collapse hypothesis: testing with existing data. *Progress in Oceanography*. 68: 329-342.
- Guénette, S., S.J.J. Heymans, V. Christensen, and A.W. Trites. 2006. Ecosystem models show combined effects of fishing, predation, competition, and ocean productivity on Steller sea

- lions (*Eumetopias jubatus*) in Alaska. Canadian Journal of Fisheries and Aquatic Sciences 63: 2495-2517.
- Hastie, G.D., D.A.S. Rosen, and A.W. Trites 2006. The influence of depth on a breath-hold diver: predicting the diving metabolism of Steller sea lions (*Eumetopias jubatus*). Journal of Experimental Marine Biology and Ecology 336: 163-170.
- Kaschner, K., R. Watson, A.W. Trites and D. Pauly. 2006. Mapping world-wide distributions of marine mammal species using a relative environmental suitability (RES) model. Marine Ecology Progress Series 316: 285-310.
- Kumagai, S., D.A.S. Rosen and A.W. Trites. 2006. Body mass and composition responses to short-term low energy intake are seasonally dependent in Steller sea lions (*Eumetopias jubatus*). Journal of Comparative Physiology B 176: 589-598.
- Soto, K., A.W. Trites, and M. Arias-Schreiber. 2006. Changes in diet and maternal attendance of a South American sea lions indicate changes in the marine environment and the abundance of prey. Marine Ecology Progress Series 312: 277-290.
- Trites, A.W., B.P. Porter, V.B. Deecke, A.P. Coombs, M.L. Marcotte and D.A.S. Rosen. 2006. Insights into the timing of weaning and the attendance patterns of lactating Steller sea lions (*Eumetopias jubatus*) in Alaska during winter, spring, and summer. Aquatic Mammals 32: 85-97.
- Winship, A.J., and A.W. Trites. 2006. Risk of extirpation of Steller sea lions in the Gulf of Alaska and Aleutian Islands: A population viability analysis based on alternative hypotheses for why sea lions declined in western Alaska. Marine Mammal Science.22: 124-155.
- Burek, K.A., F.M.D. Gulland, G. Sheffield, K.B. Beckman, E. Keyes, T.R. Spraker, A.W. Smith, D.E. Skilling, J.E. Evermann, J.L. Stott, J.T. Saliki and A.W. Trites. 2005. Infectious disease and the decline of Steller sea lions (*Eumetopias jubatus*) in Alaska: insights from serology data. Journal of Wildlife Diseases 41:512-524.
- Deagle, B.E., D.J. Tollit, S.N. Jarman, M.A. Hindell, A.W. Trites and N.J.Gales 2005. Molecular scatology as a tool to study diet: analysis of prey DNA in scats from captive Steller sea lions. Molecular Ecology. 14: 1831-1842.
- Olawale, K.O., R.J. Petrell, D.G. Michelson, A.W. Trites. 2005. The dielectric properties of the cranial skin of five young captive sea Steller sea lions (*Eumetopias jubatus*) and a similar number of young domestic pigs (*Sus scrofa*) and sheep (*Ovis aries*) between 0.1 and 10 GHz. Physiological Measurement 26: 625-637.
- Rosen, D. A. S. and Trites, A. W. 2005. Examining the potential for nutritional stress in young Steller sea lions: physiological effects of prey composition. *Journal of Comparative Physiology B* 175: 265-273.
- Trites, A.W. and R. Joy 2005. Dietary analysis from fecal samples: how many scats are enough? Journal of Mammalogy. 86: 704-712.
- Willis, K., M. Horning, D.A.S. Rosen and A.W. Trites. 2005. Spatial variation of heat flux in Steller sea lions: evidence for consistent avenues of heat exchange along the body trunk. Journal of Experimental Marine Biology and Ecology 315:163-175.
- Hunt, K.E., A.W. Trites, and S.K. Wasser. 2004. Validation of a fecal glucocorticoid assay for Steller sea lions (*Eumetopias jubatus*). Physiology and Behavior 80: 595-601.

- Kitts, D.D., Huynh, M.D., Hu, C., and A.W. Trites. 2004. Seasonal variation in nutrient composition of Alaskan pollock (*Theragra chalcogramma*). Canadian Journal of Zoology 82: 1408-1415.
- Porter, B.T. and A.W. Trites. 2004. Suckling attempts during winter by two non-filial Steller sea lion pups. Mammalia 68:23-26.
- Rosen, D.A.S. and A.W. Trites. 2004. Satiation and compensation for short-term changes in food quality and availability in young Steller sea lions (*Eumetopias jubatus*). Canadian Journal of Zoology 69:1061-1069.
- Soto, K.H, A.W. Trites and M. Arias-Schreiber. 2004. The effects of prey availability on pup mortality and the timing of birth of South American sea lions (*Otaria flavescens*) in Peru. Journal of Zoology, London 264: 419-428.
- Tollit, D.J., S.G. Heaslip, and A.W. Trites. 2004. Sizes of walleye pollock consumed by the eastern stock of Steller sea lions in Southeast Alaska from 1994-1999. Fishery Bulletin 102: 522-532.
- Tollit, D.J., S.G. Heaslip, T.K. Zeppelin, R. Joy, K.A. Call and A.W. Trites. 2004. A method to improve size estimates of walleye pollock and Atka mackerel consumed by pinnipeds using digestion correction factors applied to bones and otoliths recovered in scats. Fishery Bulletin 102: 509-521.
- Donnelly, C.P., A.W. Trites, and D.D. Kitts. 2003. Possible effects of pollock and herring on the growth and reproductive success of Steller sea lions: insights from feeding experiments using an alternative animal model, *Rattus norvegicus*. British Journal of Nutrition 89:71-82.
- McPhee, J.M., D.A.S. Rosen, R.D. Andrews, and A.W. Trites. 2003. Predicting metabolic rate from heart rate for juvenile Steller sea lions *Eumetopias jubatus*. Journal of Experimental Biology 206: 1941-1951.
- Milette, L.L. and A.W. Trites. 2003. Maternal attendance patterns of lactating Steller sea lions (*Eumetopias jubatus*) from a stable and a declining population in Alaska. Canadian Journal of Zoology 81:340-348.
- Rosen, D.A.S. and A.W. Trites. 2003. No evidence for bioenergetic interaction between digestion and thermoregulation in Steller sea lions, *Eumetopias jubatus*. Physiological and Biochemical Zoology. 76:899-906.
- Tollit, D.J., M. Wong, A.J. Winship, D.A.S. Rosen, and A.W. Trites. 2003. Quantifying errors associated with using prey skeletal structures from fecal samples to determine the diet of Steller's sea lion (*Eumetopias jubatus*). Marine Mammal Science 19:722-744.
- Trites, A.W. and C.P. Donnelly. 2003. The decline of Steller sea lions in Alaska: a review of the nutritional stress hypothesis. Mammal Review 33: 3-28.
- Winship, A.J. and A.W. Trites. 2003. Prey consumption of Steller sea lions (*Eumetopias jubatus*) off Alaska: how much prey do they require? Fishery Bulletin 101:147-167.
- Benson, A.J. and A.W. Trites. 2002. Ecological effects of regime shifts in the Bering Sea and eastern North Pacific Ocean. Fish and Fisheries. 3:95-113.
- Cottrell, P.E. and A.W. Trites. 2002. Classifying prey hard part structures recovered from fecal remains of captive Steller sea lions (*Eumetopias jubatus*). Marine Mammal Science. 18:525-539.

- Flinn, R.D., A.W. Trites, E.J. Gregr and I. Perry. 2002. Diets of fin, sei and sperm whales in British Columbia: an analysis of commercial whaling records, 1963-1967. *Marine Mammal Science* 18:663-679.
- Rosen, D.A.S. and A.W. Trites. 2002. Changes in metabolism in response to fasting and food restriction in the Steller sea lion (*Eumetopias jubatus*). *Comparative Biochemistry and Physiology* 132: 389-399.
- Rosen, D.A.S. and A.W. Trites. 2002. Cost of transport in Steller sea lions, *Eumetopias jubatus*. *Marine Mammal Science* 18:513-524.
- Trites, A.W. and B.T. Porter. 2002. Attendance patterns of Steller sea lions (*Eumetopias jubatus*) and their young during winter. *Journal of Zoology*, London 256:547-556.
- Williams, R., D.E. Bain, J.K.B. Ford, and A.W. Trites. 2002. Behavioral responses of male killer whales to a 'leapfrogging' vessel. *Journal of Cetacean Research* 4:305-310.
- Williams, R., A.W. Trites and D.E. Bain. 2002. Behavioural responses of killer whales to whale-watching: opportunistic observations and experimental approaches. *Journal of Zoology* (London) 256:255-270.
- Winship, A.J., A.W. Trites, and D.A.S. Rosen. 2002. A bioenergetic model for estimating the food requirements of Steller sea lions (*Eumetopias jubatus*) in Alaska, USA. *Marine Ecology Progress Series* 229:291-312.
- Gregr, E.J. and A.W. Trites 2001. Predictions of critical habitat for five whale species in the waters of coastal British Columbia. *Canadian Journal of Fisheries and Aquatic Science* 58:1265-1285.
- Winship, A.J., A.W. Trites and D.G. Calkins. 2001. Growth in body size of the Steller sea lion (*Eumetopias jubatus*). *Journal of Mammalogy* 82:500-519.
- Gregr E., L. Nichol, J. Ford, G. Ellis, and A.W. Trites. 2000. Migration and population structure of northeast Pacific whales off the coast of British Columbia: analysis of commercial whaling records from 1908–1967. *Marine Mammal Science* 16:699-727.
- Jonker, R.A.H., and A.W. Trites. 2000. The reliability of skinfold-calipers for measuring blubber thickness of Steller sea lion pups (*Eumetopias jubatus*). *Marine Mammal Science* 16:757-766.
- Rea, L.D., D.A.S. Rosen and A.W. Trites. 2000. Metabolic response to fasting in 6-week-old Steller sea lion pups. *Canadian Journal of Zoology* 78:890-894.
- Rosen, D.A.S. and A.W. Trites. 2000a. Pollock and the decline of Steller sea lions: testing the junk-food hypothesis. *Canadian Journal of Zoology* 78:1243-1258.
- Rosen, D.A.S. and A.W. Trites. 2000b. Digestive efficiency and dry-matter digestibility of Steller sea lions fed herring, pollock, salmon and squid. *Canadian Journal of Zoology* 78:234-239.
- Rosen, D.A.S., L. Williams, and A.W. Trites. 2000. Effect of ration size and meal frequency on digestive and assimilation efficiency in juvenile Steller sea lions, *Eumetopias jubatus*. *Aquatic Mammals* 26:76-82.
- Stelle, L.L., R.W. Blake and A.W. Trites. 2000. Hydrodynamic drag in Steller sea lions (*Eumetopias jubatus*). *Journal of Experimental Biology* 203:1915-1923.

- Trites, A.W. and R.A.H. Jonker. 2000. Morphometric measurements and body conditions of healthy and starveling Steller sea lion pups (*Eumetopias jubatus*). *Aquatic Mammals* 26: 151-157.
- Yurk, H. and A.W. Trites. 2000. Experimental attempts to reduce predation by harbour seals (*Phoca vitulina*) on outmigrating juvenile salmonids. *Transactions of the American Fisheries Society* 129:1360-1366.
- Burg, T., A.W. Trites, and M.J. Smith. 1999. Mitochondrial and microsatellite analyses of harbour seal population structure in the Northeast Pacific Ocean. *Canadian Journal of Zoology* 77: 930-943.
- Rea, L.D., D.A.S. Rosen, and A.W. Trites. 1999. Seasonal difference in adaptation to prolonged fasting in juvenile Stellar sea lions (*Eumetopias jubatus*). *The FASEB Journal* (Federation of American Societies of Experimental Biology) 13(5):A740.
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- Pauly, D., A.W. Trites, E. Capuli and V. Christensen. 1998. Diet composition and trophic levels of marine mammals. *ICES Journal of Marine Science* 55: 467-481.
- Trites, A.W. and D. Pauly. 1998. Estimating mean body masses of marine mammals from maximum body lengths. *Canadian Journal of Zoology* 76: 886-896.
- Rosen, D.A.S. and A.W. Trites. 1997. Heat increment of feeding in Steller sea lions, *Eumetopias jubatus*. *Comparative Biochemistry and Physiology* 118A: 877-881.
- Trites, A.W., D. Pauly, and V. Christensen. 1997. Competition between fisheries and marine mammals for prey and primary production in the Pacific Ocean. *Journal of Northwest Atlantic Fishery Science* 22: 173-187.
- Trites, A.W. and M.A. Bigg 1996. Physical growth of northern fur seals: seasonal fluctuations and migratory influences. *Journal of Zoology (London)* 238: 459-482.
- Cottrell, P.E., Trites, A.W. and E.H. Miller 1996. Assessing the use of hard parts in faeces to identify harbour seal prey: results of captive feeding trials. *Canadian Journal of Zoology* 74: 875-880.
- Trites, A.W., and P.A. Larkin. 1996. Changes in the abundance of Steller sea lions (*Eumetopias jubatus*) in Alaska from 1956 to 1992: how many were there? *Aquatic Mammals* 22:153-166.
- Trites, A.W. and J. Scordino 1994. Capturing male northern fur seals from haulout sites: estimates of capture efficiency and escapement. *Aquatic Mammals* 20:73-79.
- Trites, A.W. and G.A. Antonelis 1994. The influence of climatic seasonality on the life cycle of the Pribilof northern fur seal. *Marine Mammal Science* 10: 311-324.
- Thommasen, H.V., G. Shelton, and A.W. Trites 1994. Bear maulings in British Columbia. *BC Medical Journal* 36:745-748.
- Trites, A.W. 1993. Biased estimates of fur seal pup mass: origins and implications. *Journal of Zoology (London)* 229: 515-525.
- Trites, A.W. and A.E. York 1993. Unexpected changes in reproductive rates and mean age at first birth during the decline of the Pribilof fur seal (*Callorhinus ursinus*). *Canadian Journal of Fisheries and Aquatic Sciences* 50: 858-864.

- Trites, A.W. and M.A. Bigg 1992. Changes in body growth of northern fur seals from 1958 to 1972: density effects or changes in the ecosystem? *Fisheries Oceanography* 1:127-136.
- Trites, A.W. 1992. Reproductive synchrony and the estimation of mean date of birth from daily counts of northern fur seal pups. *Marine Mammal Science* 8: 44-56.
- Trites, A.W. 1992. Northern fur seals: Why have they declined? *Aquatic Mammals* 18:3-18.
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- Trites, A.W. 1992. Fetal growth and the condition of pregnant northern fur seals off western North America from 1958 to 1972. *Canadian Journal of Zoology* 70: 2125-2131.
- Trites, A.W. 1991. Fetal growth of northern fur seals: life history strategy and sources of variation. *Canadian Journal of Zoology* 69: 2608-2617.
- Trites, A.W. 1991. Does tagging and handling affect the growth of northern fur seal pups (*Callorhinus ursinus*)? *Canadian Journal of Fisheries and Aquatic Sciences* 48: 2436-2442.
- Trites, A.W. 1990. Thermal budgets and climate spaces: the impact of weather on the survival of Galapagos (*Arctocephalus galapagoensis* Heller) and northern fur seal pups (*Callorhinus ursinus* L.). *Functional Ecology* 4: 753-768.
- Trites, A.W. 1989. Estimating the juvenile survival rate of male northern fur seals (*Callorhinus ursinus*). *Canadian Journal of Fisheries and Aquatic Sciences* 46: 1428-1436.
- Trites, A.W. and P.A. Larkin. 1989. The decline and fall of the Pribilof fur seal (*Callorhinus ursinus*): a simulation study. *Canadian Journal of Fisheries and Aquatic Sciences* 46:1437-1445.

## REFEREED CONFERENCE PROCEEDINGS

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- Gelatt, T.S., A.W. Trites, K. Hastings, L. Jemison, K. Pitcher, and G. O'Corry-Crowe. 2007. Population trends, diet, genetics, and observations of Steller sea lions in Glacier Bay National Park. In J.F. Piatt and S.M. Gende (eds.) *Proceedings of the Fourth Glacier Bay Science Symposium*, U.S. Geological Survey, Juneau, Alaska. Pages 145-149.
- Guénette, S., S.J.J. Heymans, V. Christensen, A.W. Trites. 2007. Ecosystem models of the Aleutian Islands and Southeast Alaska show that Steller sea lions are impacted by killer whale predation when sea lion numbers are low. In J.F. Piatt and S.M. Gende (eds.) *Proceedings of the Fourth Glacier Bay Science Symposium*, U.S. Geological Survey, Juneau, Alaska. Pages 150-154.
- Bredesen, E.L., A.P. Coombs, and A.W. Trites. 2006. Relationship between Steller sea lion diets and fish distributions in the eastern North Pacific. In A.W. Trites, S. Atkinson, D.P. DeMaster, L.W. Fritz, T.S. Gelatt, L.D. Rea, and K. Wynne (eds.) *Sea lions of the world*, Alaska Sea Grant College Program, University of Alaska Fairbanks. Pages 131-139.
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