



## THE SCANDINAVIAN BROWN BEAR RESEARCH PROJECT

### Publications to 2 December 2008

#### Summary:

- A) Publications in peer-reviewed journals (92)
- B) Books and book chapters (10)
- C) Papers in nonrefereed publications (20)
- D) Completed student theses (63)
- E) Rapports to management agencies, etc. (72)
- F) Popular publications (60)
- G) Websites for the public (6)
- H) Posters presented at proceedings (16)

#### In total, 339 entries

#### A) Publications in peer-reviewed journals (92)

- A1 Bjärvall, A. and F. Sandegren. 1987. Early experiences with the first radio-marked bears in Sweden. **Proc. Int. Conf. on Bear Res. and Manage.** 7:9-12.
- A2 Bjärvall, A. 1990. The brown bear in Sweden. **Aquilo Ser. Zool.** 27:17-19
- A3 Bjärvall, A., F. Sandegren, and P. Wabakken. 1990. Large home ranges and possible early sexual maturity in Scandinavian bears. **Proc. Int. Conf. on Bear Res. and Manage.** 8:237-241.
- A4 Swenson, J. E., F. Sandegren, A. Bjärvall, A. Söderberg, P. Wabakken, and R. Franzén. 1994. Size, trend, distribution and conservation of the brown bear *Ursus arctos* population in Sweden. **Biol. Conserv.** 70:9-17.
- A5 Swenson, J. E., P. Wabakken, F. Sandegren, A. Bjärvall, R. Franzén, and A. Söderberg. 1995. The near extinction and recovery of brown bears in Scandinavia in relation to the bear management policies of Norway and Sweden. **Wildl. Biol.** 1:11-25.
- A6 Taberlet, P., J. E. Swenson, F. Sandegren, and A. Bjärvall. 1995. Conservation genetics of the brown bear (*Ursus arctos*): localization of a contact zone between two highly divergent mitochondrial DNA lineages in Scandinavia. **Conserv. Biol.** 9:1255-1261.
- A7 Swenson, J. E., F. Sandegren, A. Söderberg, and R. Franzén. 1995. Estimating the total weight of Scandinavian brown bears from field-dressed and slaughter weights. **Wildl. Biol.** 1:177-179.
- A8 Swenson, J. E. and F. Sandegren. 1996. Sustainable brown bear harvest in Sweden estimated from hunter-provided information. **J. Wildl. Res.** 1:228-231.
- A9 Swenson, J. E. and S. Wikan. 1996. A population estimate for brown bears in Finnmark County, North Norway. **Fauna norv. Ser. A.** 17:11-15.
- A10 Sagør, J. T., J. E. Swenson, and E. Røskaft. 1997. Compatibility of brown bear *Ursus arctos* and free-ranging sheep in Norway. **Biol. Conserv.** 81:91-95.
- A11 Swenson, J. E., F. Sandegren, A. Söderberg, A. Bjärvall, R. Franzén, and P. Wabakken. 1997. Infanticide caused by hunting of male bears. **Nature** 386:450-451.
- A12 Swenson, J. E., F. Sandegren, S. Brunberg, and P. Wabakken. 1997. Winter den sites abandonment by brown bears *Ursus arctos*: causes and consequences. **Wildl. Biol.** 3:35-38.
- A13 Linnell, J. D. C., R. Aanes, J. E. Swenson, J. Odden, and M. E. Smith. 1997. Translocation of carnivores as a method for managing problem animals: a review. **Biodiversity and Conserv.** 6:1245-1257.
- A14 Swenson, J. E., R. Franzén, P. Segerström, and F. Sandegren. 1998. The age of self-sufficiency in Scandinavian brown bears. **Acta Theriologica** 43:213-218.

- A15 Swenson, J. E., F. Sandegren, A. Bjärvall, and P. Wabakken. 1998. Living with success: research needs for an expanding brown bear population. **Ursus** 10:17-24.
- A16 Swenson, J. E., F. Sandegren, and A. Söderberg. 1998. Geographic expansion of an increasing brown bear population: evidence for presaturation dispersal. **J. Animal Ecol.** 67:819-826.
- A17 Dahle, B., O. J. Sørensen, E. H. Wedul, J. E. Swenson and F. Sandegren. 1998. The diet of brown bears *Ursus arctos* in central Scandinavia: effect of access to free-ranging domestic sheep *Ovis aries*. **Wildl. Biol.** 4:147-158.
- A18 Sæther, B. E., S. Engen, J. E. Swenson, Ø. Bakke, and F. Sandegren. 1998. Assessing the viability of Scandinavian brown bear, *Ursus arctos*, populations: the effects of uncertain parameter estimates. **Oikos** 83:403-416.
- A19 Tryland, M, T. Sandvik, J. M. Arnemo, G. Stuve, Ø. Olsvik, and T. Traavik. 1998. Antibodies against orthopoxviruses in wild carnivores from Fennoscandia. **J. Wildl. Diseases** 34:443-450.
- A20 Swenson, J. E., K. Wallin, G. Ericsson, G. Cederlund, and F. Sandegren. 1999. Effects of ear tagging on survival of moose calves. **J. Wildl. Manage.** 63:354-358.
- A21 Swenson, J. E., F. Sandegren, A. Söderberg, M. Heim, O. J. Sørensen, A. Bjärvall, R. Franzén, S. Wikan, and P. Wabakken. 1999. Interactions between brown bears and humans in Scandinavia. **Biosphere Conserv.** 2:1-9.
- A22 Tufto, J., B.-E. Sæther, S. Engen, J. E. Swenson & F. Sandegren. 1999. Harvesting strategies for conserving minimum viable populations based on World Conservation Union criteria: brown bears in Norway. **Proc. R. Soc. London B** 266:961-967.
- A23 Swenson, J. E., A. Jansson., R. Riig, and F. Sandegren. 1999. Bears and ants: myrmecophagy by brown bears in central Scandinavia. **Can. J. Zool.** 77:551-561.
- A24 Linnell, J. C. D., J. Odden, M. E. Smith, R. Aanes, and J. E. Swenson. 1999. Large carnivores that kill livestock: do «problem animals» really exist? **Wildl. Soc. Bull.** 27:698-705.
- A25 Matson, G. M., H. E. Casquilho-Gray, J. D. Paynich, V. G. Barnes, Jr., H. V. Reynolds III, and J. E. Swenson. 1999. Cementum annuli are unreliable reproductive indicators in female brown bears. **Ursus** 11:275-280.
- A26 Swenson, J. E. 1999. Does hunting affect the behavior of brown bears in Eurasia? **Ursus** 11:157-162.
- A27 Linnell, J. D. C., B. Barnes, J. E. Swenson, and R. Andersen. 2000. How vulnerable are denning bears to disturbance? **Wildl. Soc. Bull.** 28:400-413
- A28 Waits, L., P. Taberlet, J. E. Swenson, F. Sandegren, and R. Franzén. 2000. Nuclear DNA microsatellite analysis of genetic diversity and gene flow in the Scandinavian brown bear (*Ursus arctos*). **Mol. Ecol.** 9:421-431.
- A29 Linnell, J. D. C., J. E. Swenson, and R. Andersen. 2000. Conservation of biodiversity in Scandinavian boreal forests: large carnivores as flagships, umbrellas, indicators, or keystones? **Biodiversity and Conserv.** 9: 857-868
- A30 Smith, M. E., J. D. C. Linnell, J. Odden, and J. E. Swenson. 2000. Methods for reducing livestock losses to predators: A. Livestock guardian animals. **Acta Agriculturae Scandinavica Section A, Animal Science** 50: 279-290.
- A31 Smith, M. E., J. D. C. Linnell, J. Odden, and J. E. Swenson. 2000. Methods for reducing livestock losses to predators: B. Aversive conditioning, deterrents and repellents. **Acta Agriculturae Scandinavica Section A, Animal Science** 50: 304-315.
- A32 Berger, J., J. E. Swenson, and I.-L. Persson. 2001. Recolonizing carnivores and naïve prey: conservation lessons from Pleistocene extinctions. **Science** 291: 1036-1039.
- A33 Persson, I.-L., S. Wikan, J. E. Swenson, and I. Mysterud. 2001. The diet of the brown bear in the Pasvik, Valley, northeastern Norway. **Wildlife Biology** 7: 27-37.
- A34 Linnell, J. D. C., J. E. Swenson, and R. Andersen. 2001. Predators and people: conservation of large carnivores is possible at high human densities if management policy is favourable. **Animal Conservation** 4: 345-349.
- A35 Friebe, A., J. E. Swenson, and F. Sandegren. 2001. Denning chronology of female brown bears (*Ursus arctos*) in central Sweden. **Ursus** 12: 37-46.

- A36 Swenson, J. E., F. Sandegren, S. Brunberg, and P. Segerström. 2001. Factors associated with loss of brown bear cubs in Sweden. **Ursus** 12: 69-80.
- A37 Zedrosser, A., B. Dahle, J. E. Swenson, and N. Gerstl. 2001. Status and management of the brown bear in Europe. **Ursus** 12: 9-20.
- A38 Swenson, J. E., B. Dahle, and F. Sandegren. 2001. Intraspecific predation in Scandinavian brown bears older than cubs-of-the-year. **Ursus** 12: 81-92.
- A39 Cercueil, A., Bellemain, E., and Manel, S. 2002. PARENTE: A software package for parentage analysis. **Journal of Heredity** 93: 458-459.
- A40 Dahle, B. and J. E. Swenson. 2003. Family break-up in brown bears: are young forced to leave? **Journal of Mammalogy** 84:536-540.
- A41 Dahle B, and J. E. Swenson. 2003. Seasonal range size in relation to reproductive strategies in brown bears *Ursus arctos*. **Journal of Animal Ecology** 72:660-667.
- A42 Dahle, B., and J. E. Swenson. 2003. Home ranges in adult Scandinavian brown bears *Ursus arctos*: effect of population density, mass, sex, reproductive status and habitat type. **Journal of Zoology** 260:329-335.
- A43 Dahle, B., and J. E. Swenson. 2003. Factors influencing length of maternal care and its consequences for offspring in brown bears *Ursus arctos*. **Behavioural Ecology and Sociobiology** 54:352-358.
- A44 Schwartz, C. C., K. A. Keating, H. V. Reynolds, III, V. G. Barnes, Jr., R. Sellers, J. E. Swenson, S. D. Miller, B. N. McLellan, J. Keay, R. McCann, M. Gibeau, W. Wakkinen, R. D. Mace, W. Kasworm, R. Smith and S. Herrero. 2003. Reproductive senescence in the brown/grizzly bear. **Ursus** 14:109-119.
- Schwartz, C. C., J. E. Swenson, and S. M. Miller. 2003. Large carnivores, moose and humans: a changing paradigm of predator management in the 21<sup>st</sup> century. **Alces**. 39:41-63. (Invited paper)
- A45 Manel, S., E. Bellemain, J. E. Swenson and O. François. 2004. Assumed and inferred spatial structure of populations: the Scandinavian brown bears revisited. **Molecular Ecology** 13:1327-1331.
- A46 Piggott, M. P., E. Bellemain, P. Taberlet and A. C. Taylor. 2004. A multiplex pre-amplification method that significantly improves microsatellite amplification and error rates for faecal DNA in limiting conditions. **Conservation Genetics** 5:417-420.
- A47 Zedrosser, A., Rauer, G., and Kruckenhauser, L. 2004. Early primiparity in brown bears. **Acta Theriologica** 49:427-432.
- A48 Bonin, A., E. Bellemain, P. Bronken Eidesen, F. Pompanon, C. Brochmann, and P. Taberlet. 2004. How to track and assess genotyping errors in population genetics studies. **Molecular Ecology** 13:3261-3273.
- A49 Bellemain, E. and P. Taberlet. 2004. Improved noninvasive genotyping method: application to brown bear (*Ursus arctos*) faeces. **Molecular Ecology Notes** 4:519-522.
- A50 Tallmon, D. A., E. Bellemain, J. E. Swenson, and P. Taberlet. 2004. Genetic monitoring of Scandinavian brown bear: effective population size and immigration. **Journal of Wildlife Management** 68:960-965.
- A51 Bellemain, E., J. E. Swenson, D. Tallmon, S. Brunberg and P. Taberlet. 2005. Estimating population size of elusive animals using DNA from hunter-collected feces: comparing four methods for brown bears. **Conservation Biology** 19:150-161.
- A52 Manchi, S. and J. E. Swenson. 2005. Denning behaviour of male Scandinavian brown bears (*Ursus arctos*). **Wildlife Biology** 11:123-132.
- A53 Støen, O.-G., E. Bellemain, S. Sæbø, and J. E. Swenson. 2005. Kin-related spatial structure in brown bears *Ursus arctos*. **Behavioural Ecology and Sociobiology** 59:191-197.
- Ågren, E., A. Söderberg and T. Mörner. 2005. Fallot's tetralogy in a European brown bear (*Ursus arctos*). **Journal of Wildlife Diseases** 41:825-828.
- Zedrosser, A. and J. E. Swenson. 2005. Do brown bear litter sizes reported by the public reflect litter sizes obtained by scientific methods? **Wildlife Society Bulletin**. 33:1352-1356.
- A54 Solberg, K. H., E. Bellemain, O.-M. Drageset, P. Taberlet and J. E. Swenson. 2006. An evaluation of field and non-invasive genetic methods to estimate brown bear (*Ursus arctos*) population size. **Biological Conservation** 128:158-168.

- Bellemain, E., Zedrosser, A., S. Manel, L. P. Waits, and Swenson, J. E. 2006. The dilemma of female mate selection in the brown bear, a species with sexually selected infanticide. **Proceedings of the Royal Society London, Series B.** 273 283 – 291.
- Bellemain, E., J. E. Swenson and P. Taberlet. 2006. Mating strategies in relation to sexually selected infanticide in a nonsocial carnivore: the brown bear. **Ethology** 112:1-9.
- Arnemo, J. M., P. Ahlqvist, R. Andersen, F. Berntsen, G. Ericsson, J. Odden, S. Brunberg, P. Segerström, and J. E. Swenson. 2006. Risk of anaesthetic mortality in large free-ranging mammals: experiences from Scandinavia. **Wildlife Biology** 12:109-113.
- Zedrosser, A., Dahle, B., and Swenson, J.E. 2006. Population density and food conditions determine adult female size in brown bears. **Journal of Mammalogy** 87: 510-518.
- Katajisto, J. & Moilanen, A. 2006. Kernel-based home range method for data with irregular sampling interval. **Ecological Modelling** 194:405-413.
- Støen O.-G., A. Zedrosser, S. Sæbø, and J. E. Swenson. 2006. Inversely density-dependent natal dispersal in brown bears *Ursus arctos*.. **Oecologia** 148:356-364.
- Dahle, B., Zedrosser, A., Swenson, J. E. 2006. Correlates with body size and mass in yearling brown bears. **Journal of Zoology** 269:273-283.
- Dahle, B., O.-G. Støen, and J. E. Swenson. 2006. Factors influencing home-range size in subadult brown bears. **Journal of Mammalogy** 87:859-865.
- Støen, O.-G., A. Zedrosser, P. Wegge and J. E. Swenson. 2006. Socially induced delayed primiparity in brown bears *Ursus arctos*. **Behavioural Ecology and Sociobiology** 61:1-8.
- Miquel, C, Bellemain, E., Poillot, C, Bessière, J., Durand, A. and Taberlet, P. 2006. Quality indexes to assess the reliability of genotypes in studies using non-invasive sampling and multiple-tube approach. **Molecular Ecology Notes** 6:985-988.
- Gervasi, V., S. Brunberg, and J. E. Swenson. 2006. An individual approach to measure activity levels: a test on brown bears. **Wildlife Society Bulletin** 34:1314-1319.
- Bellemain, E., Nawaz, M. A., Valentini, A. Swenson, J. E., Taberlet. 2007 Genetic tracking of the brown bear in northern Pakistan and implications for conservation. **Biological Conservation** 134:537-547.
- Zedrosser, A., Bellemain, E., Taberlet, P., and Swenson, J. E. 2007. Genetic estimates of annual reproductive success in male brown bears: the effects of body size, age heterozygosity and population density. **Journal of Animal Ecology** 76:368-375.
- Manel, S, F. Berthoud, E. Bellemain, M. Gaudeul, G. Luikart, J. E. Swenson, L. P. Waits, P. Taberlet and Intrabiodiv Consortium. 2007. A new individual-based spatial approach for identifying genetic discontinuities in natural populations. **Molecular Ecology** 16:2031-2043.
- Nellemann, C., O.-G. Støen, J. Kindberg, J. E. Swenson, I. Vistnes, G. Ericsson, J. Katajisto, B. P. Kaltenborn, J. Martin, and A. Ordiz. 2007. Terrain use by an expanding brown bear population in relation to age, recreational resorts and human settlements. **Biological Conservation** 138:157-165.
- Swenson, J. E., M. Adamič, D. Huber, and S. Stokke. 2007. Brown bear body mass and growth in northern and southern Europe. **Oecologia** 153:37-47.
- Moe, T. F., Kindberg, J., and J. E. Swenson. 2007. The importance of diel behaviour when studying habitat selection; examples from female Scandinavian brown bears (*Ursus arctos*). **Canadian Journal of Zoology** 85:518-525.
- Swenson, J. E., B. Dahle, H. Busk, O. Opseth, T. Johansen, A. Söderberg, K. Wallin and G. Cederlund. 2007. Predation on moose calves by European brown bears. **Journal of Wildlife Management** 71:1993-1997.
- Nawaz, M. A. 2007. Status of the brown bear in Pakistan. *Ursus* 18:89-100.
- Zedrosser, A., Støen, O.-G., Sæbø, S., and Swenson, J. E. 2007. Should I stay or should I go? Natal dispersal in the brown bear. **Animal Behaviour** 74:369-376. **(Featured article)**
- Ordis, A., C. Rodríguez, J. Naves, A. Fernández, D. Huber, P. Kazcensky, A. Mertens, Y. Mertzanis, A. Mustoni, S. Palazón, P. Y. Quenette, G. Rauer, C. Rodríguez, and J. E. Swenson. 2007. Movement patterns of female brown bears with cubs in Europe: application to population monitoring. **Ursus** 18 :158-167.

- Bischof, R., Swenson, J.E., Fujita, R., Zedrosser, A., and Söderberg, A. 2008. Hunting patterns, the ban on baiting, and harvest demographics of brown bears in Sweden. **Journal of Wildlife Management** 72:79-88. **(Featured article)**
- Bostedet, G., Ericsson, G. & Kindberg, J. 2008. Contingent Values as Implicit Contracts – Estimating Minimum Legal Willingness to Pay for Conservation of Large Carnivores in Sweden. **Environmental and Resource Economics** 39:189-198.
- Ericsson, G., Bostedet, G. & Kindberg, J. 2008. Wolves as a symbol for people's willingness to pay for large carnivore conservation. **Society and Natural Resources** 21: 21:294-309.
- Bischoff, R., A. Mysterud, and J. E. Swenson. 2008. Should hunting mortality mimic the patterns of natural mortality? **Biology Letters** 4: 307-310. **(Featured article)**
- Elfström, M., Swenson, J. E., and Ball, J. P. 2008. Selection of denning habitats by Scandinavian brown bears. **Wildlife Biology** 14:176-187.
- Swenson, J. E. and Haroldson, M. A. 2008. Observations of mixed-age litters in brown bears. **Ursus** 19: 73-79.
- Jombart, T., S. Devillard, A.-B. Dufour and D. Pontier. 2008. Revealing cryptic spatial patterns in genetic variability by a new multivariate method. **Heredity** 101:92-103.
- Nawaz M.A., Swenson J.E. and Zakaria V. 2008. An increasing low-productive, high-altitude brown bear population in South Asia; a successful case of national park management. **Biological Conservation** 141:2230-2241.
- Martin, J., C. Calenge, P.-Y. Quenette, D. Allainé. 2008. Importance of movement constraints in habitat selection studies, **Ecological Modelling** 213:257-262.
- Ordiz, A., O.-G. Støen, J. E. Swenson, I.Kojola, and R. Bischof. 2008. Distance-dependent effect of the nearest neighbour: spatio-temporal patterns in brown bear reproduction. **Ecology** 89:3327-3335.
- May, R., van Dijk, J., Wabakken, P., Linnell, J. D. C., Swenson, J. E., Zimmerman, B., Odden, J., Pedersen, H. C., Andersen, R. and Landa, A. 2008. Habitat differentiation within the large-carnivore community of Norway's multiple-use landscapes. **Journal of Applied Ecology** 45:1382-1391.
- Valentini, A, C. Miquel, M. A. Nawaz, E. Bellemain, E. Coissac, F. Pompanon, L. Gielly, C. Cruaud, G. Nascetti, P. Winker, J. E. Swenson, and P. Taberlet. In press. New perspectives in diet analysis based on DNA barcoding and parallel pyrosequencing: the *trnL* approach. **Molecular Ecology Resources**
- Pagès, M., C. Maudet, E. Bellemain, P. Taberlet, and S. Hughes. In press. A system for sex determination from degraded DNA: a useful tool for palaeogenetics and conservation genetics of ursids. **Conservation Genetics**.
- Kindberg, J., G. Ericsson, and J.E. Swenson. 2009. Monitoring rare or elusive large mammals using effort- corrected voluntary observers. **Biological Conservation** 142:159-165.

## **B) Books and book chapters (10)**

- B1 Bjärvall, A., R. Franzén, M. Nordkvist and G. Åhman. 1990. Renar och rovdjur—rovdjurens effekter på rennäringen. Naturvårdsverket förlag, Solna. (Reindeer and predators—the effects of predators on the reindeer industry; in Swedish)
- B2 Sandegren, F. and J. Swenson. 1997. **Björnen—viltet, ekologin och människan**. Svenska Jägareförbundet, Stockholm, Sweden. (The brown bear—the animal, ecology, and man; in Swedish). 70 pp.
- B3 Sørensen, O. J., J. E. Swenson and T. Kvam. 1998. Status and management of the brown bear in Norway. Pages 86-89 in C. Servheen, S. Herrero and B. Peyton, compilers. **Bears, status survey and conservation action plan**. IUCN/SSC bear and polar bear specialist groups, IUCN, Gland, Switzerland and Cambridge, UK. 309 pp. (Invited chapter)
- B4 Swenson, J. E., F. Sandegren, A. Bjärvall, R. Franzén, A. Söderberg and P. Wabakken. 1998. Status and management of the brown bear in Sweden. Pages 111-113 in C. Servheen, S. Herrero and B. Peyton, compilers. **Bears, status survey and conservation action plan**. IUCN/SSC bear and polar bear specialist groups, IUCN, Gland, Switzerland and Cambridge, UK. 309 pp. (Invited chapter)

- B5 Swenson, J. 2000. Der Braunbär (*Ursus arctos*) in Eurasien. Pages 89-108 in U. Ganslöber, editor. **Die Bären**. Filander Verlag, Fürth. 314 pp. (Invited chapter)
- B6 Swenson, J. E., N. Gerstl, B. Dahle & A. Zedrosser. 2000. **Action plan for the conservation of the brown bear (*Ursus arctos*) in Europe**. Council of Europe, Report T-PVS (2000) 24. 79 pp.
- B7 Kreeger, T. J., J. M. Arnemo, and J. P. Raath. 2002. **Handbook of Wildlife Chemical Immobilization. International Edition**. Wildlife Pharmaceuticals Inc., Ft. Collins, Colorado, USA: 412 pp.
- B8 Swenson, J. E. 2003. Implications of sexually selected infanticide for hunting of large carnivores. Pages 171-189 in M. Festa-Bianchet and M. Apollonio, eds. **Animal Behavior and Wildlife Management**. Island Press, Washington, D. C. 371 pp.
- B9. Swenson, J. E. and H. Andrén. 2005. A tale of two countries: large carnivore depredations and compensation schemes in Sweden and Norway. Pages 323-339 in R. Woodroffe, S. Thirgood, and A. Rabinowitz, eds. **People and Wildlife: Conflict or Co-existence?** Cambridge University Press. (Invited chapter)
- B10 Linnell, J. D. C., C. Promberger, L. Boitani, J. E. Swenson, U. Breitenmoser and R. Andersen. 2005. The linkage between conservation strategies for large carnivores and biodiversity: the view from the "half-full" forests of Europe. Pages 381-399 in J. C. Ray, K. H. Redford, R. S. Steneck and J. Berger. **Large carnivores and the conservation of biodiversity**. Island Press, Washington, D. C. 562 pp.

### C) Papers in nonrefereed publications (20)

- C1 Swenson, J. 1994. Sweden and Norway: historic and present status of the brown bear in Scandinavia. **Intern. Bear News** 3(3):5-6.
- C2 Dalen, L., Johansen, T. Dahle, B. 1996. Yet another bryophyte consuming beast. **Bryolog. Times** 87 (2):1.
- C3 Arnemo, J. M. & P. Dypsund. 1997. Kirurgisk implantation av radiosändare på vilda rovdjur. **Svensk Veterinärtidning** 49(1):17-18. (Surgical implantation of radio transmitters in wild carnivores. In Swedish)
- C4 Arnemo, J. M. & P. Dypsund. 1997. Ny merkemethodikk på brunbjørn. **Norsk Veterinærtidsskrift** 109:440. (A new method for marking brown bears. In Norwegian)
- C5 Sandegren, F. & J. Swenson. 1997. Det skandinaviska björnprojektet. Pp. 76-81 in **Rovviltforvaltning: problemer og utfordringer**. Nordisk Jägersamvirke, Rapport Nr. 4-1997. (The Scandinavian Brown Bear Research Project. In Swedish)
- C6 Gossow, H. and J. Swenson. 1997. Large predator meeting in Austria. **Intern. Bear News** 6(3):12-13.
- C7 Swenson, J. and C. Servheen. 1997. Does bear conservation without hunting produce problem bears? **Intern. Bear News** 6(4):11.
- C8 Swenson, J. E. 1998. Coordination of large-carnivore monitoring, management, and research in Scandinavia. Pages 85-88 in C. Breitenmoser-Würster, C. Rohner, and U. Breitenmoser, editors. **The re-introduction of the lynx into the Alps**, Council of Europe Publishing, Environmental Encounters No. 38.
- C9 Arnemo, J. M., P. Dypsund, F. Berntsen, S. J. Wedul, B. Ranheim & L. Lundstein. 1998. Bruk av implanterbare radiosendere på store rovdyr. **Norsk Veterinærtidsskrift** 110:799-803. (Use of implantable radio transmitters in large carnivores. In Norwegian)
- C10 Andersen, R. & J. Swenson. 1999. Wildlife and nature conservation in Scandinavia with special regard to large predators. Pages 59-67 in Natura 2000 Eine Chance für den Naturschutz Europas/A chance for nature conservation in Europe. **Schriftenreihe des Bundesministerium für Umwelt, Jugend und Familie**, Band 14/1999. Vienna.
- C11 Swenson, J. & F. Sandegren. 1999. Den svenske bjørnebestandens levedyktighet. Pages 85-90 in T. Ebenhard & M. Höggren, eds. Livskraftiga rovdjurstammar. **Centrum för biologisk mångfald, Skriftserie 1**. Uppsala, Sweden. (The viability of the Swedish brown bear population. In Norwegian)

- C12 Swenson, J. E. and F. Sandegren. 2000. Conservation of European brown bear populations: experiences from Scandinavia. Pages 111-116 in J. F. Layna, B. Heredia, G. Palomero and I. Doadrio, editors. **La conservación del oso pardo en Europa: un reto de cara al siglo XXI. Serie encuentros I.** Fundación Biodiversidad, Ministerio de medio ambiente, Madrid, Spain.
- C13 Dahle, B. 2000. Extensive illegal killing of brown bears in Sweden. **Intern. Bear News** 9(2):7.
- C14 Dahle, B. 2000. Large-carnivore white paper presented in Sweden. **Intern. Bear News** 9(2):8.
- C15 Arnemo, J. M. 2001. Reversible anaesthesia in brown bears. **DDA News** 2:8.
- C16 Swenson, J. E. 2001. Bjørnens tilbakekomst. **Det norske videnskaps-akademi, Årbok** 2000: 463-470. (In Norwegian: The return of the brown bear)
- C17 Arnemo, J. M., S. Brunberg, P. Ahlqvist, R. Franzén, A. Friebe, P. Segerström, A. Söderberg, and J. E. Swenson. 2001. Reversible immobilization and anesthesia of free-ranging brown bears (*Ursus arctos*) with medetomidine-Tiletamine-Zolazepam and Atipamezole: a review of 575 captures. **Proceedings of the American Association of Zoo Veterinarians, American Association of Wildlife Veterinarians, Association of Reptilian and Amphibian Veterinarians, and National Association of Zoo and Wildlife Veterinarians Joint Conference.** 2001:234-236.
- C18 Zedrosser, A. & B. Dahle. 2002. Brown bear attack in central Sweden. **Int. Bear News** 11:9.
- C19 Bjärvall, A. 2003. Stora rovdjur—samspel mellan forskning och förvaltning med björnen som exempel. Pages 13-20 in L. Terenius, Chefsredaktör. Icke-traditionella försöksdjur I forskningen. **Centrala försöksdjursnämnden, Skriftserie Nr. 48. Stockholm.**
- C20 Swenson, J. And F. Sandegren. 2003. A summary of results from the Scandinavian brown bear research project. Pages 186-189 in P. I. Danilov and V. B. Zimin, editors. **Dynamics of game animals populations in Northern Europe—Proceedings of the third international symposium.** Karel'skii Nauchnyi Tsentr RAN, Redaktsionno-izdatel'skii Otdel, Petrozavodsk, Russia.

#### **D) Completed student theses (63)**

(\* indicates theses that have resulted in a publication, (\*) indicates that work on a manuscript is underway or the manuscript has been submitted)

#### **Doctorate level theses (10)**

- D1.1 2003 \* Bjørn Dahle, Norwegian University of Science and Technology, Trondheim. Dr. scient. (PhD) thesis: Reproductive strategies in Scandinavian brown bears.
- D1.2 2004 \* Jon E. Swenson, Institut für Wildbiologie und Jagdwirtschaft, Universität für Bodenkultur Wien, Vienna, Austria. Habilitation (Dr.habil.) thesis: The ecology of an increasing brown bear population: managing a successful recovery.
- D1.3 2004\* Alain Cercueil, Laboratoire des Techniques de l'Imagerie, de la Modélisation et de la Cognition & Laboratoire d'Ecologie Alpine, Université Joseph Fourier, Grenoble, France. Thèse d'université (PhD thesis): Contributions statistiques en génétique des populations.
- D1.4 2004 \* Eva Bellemain, Agricultural University of Norway, Ås (PhD) and Université Joseph Fourier, Grenoble (Docteur); joint (co-tutelle) degree program. PhD thesis/thèse d'université: Genetics of the Scandinavian brown bear: implications biology and conservation.
- D1.5 2006 \* Ole-Gunnar Støen, Norwegian University of Life Sciences, Ås. PhD thesis: Natal dispersal and social organization in brown bears.
- D1.6 2006\* Andreas Zedrosser, Norwegian University of Life Sciences, Ås and University of Natural Resources and Applied Life Sciences, Vienna. PhD thesis: Life-history strategies of brown bears.

- D1.7 2006\* Jonna Katajisto, University of Helsinki. Dr. scient. (Doctor of Science) thesis: Habitat use and spatial population dynamics of brown bears (*Ursus arctos*) in Scandinavia.
- D1.8 2008\* Alice Valentini, Università degli studi della Tuscia di Viterbo (Dottorato di Ricerca) and Université Joseph Fourier, Grenoble (Docteur); joint (co-tutelle) degree program. Doctoral thesis: Non-invasive diet analysis based on DNA barcoding: the Himalayan brown bears (*Ursus arctos isabellinus*) as a case study.
- D1.9 2008\* Mohammad Ali Nawaz, Norwegian University of Life Sciences, Ås. PhD thesis: Ecology, genetics and conservation of Himalayan brown bears.
- D1.10 2008\* Åsa Fahlman, Swedish University of Agricultural Sciences, Uppsala. PhD thesis: Advances in wildlife immobilisation and anaesthesia; clinical and physiological evaluation in selected species.

#### Master of Science level theses (45)

- D3.1 1990 Marie Dahlström, Stockholm University. Undergraduate thesis (20 points): Licensjakten på björn 1981-89—en sammanställning. (License hunting of bears, 1981-89—a summary)
- D3.2 1993 Caroline Paulson, Veterinary College, Swedish University of Agricultural Sciences, Uppsala. Thesis. Immobilisering av brunbjörn. (Immobilization of brown bears)
- D2.1 1995 \* Jens Thomas Sagør, University of Trondheim. Cand. scient. (Master of Science) thesis: Et studie av konflikten mellom bjørn og sau i perioden 1981-1993. (A study of the conflict between bears and sheep in the period 1981-1993).
- D2.2 1996 \* Bjørn Dahle, Norwegian University of Science and Technology, Trondheim. Cand. scient. (Master of Science) thesis: Nutritional ecology of brown bears (*Ursus arctos*) in Scandinavia with special reference to moose (*Alces alces*)
- D3.3 1996 \* Raili Ytterberg, Stockholm University. Undergraduate thesis (10 points): Do ants support the high reproductive rate in the Scandinavian brown bear (*Ursus arctos*) population?
- D3.4 1997 \* Anna Jansson, Swedish University of Agricultural Sciences, Uppsala. Undergraduate thesis (20 points): Can a high protein availability explain the high reproductive rate in the Scandinavian brown bear (*Ursus arctos*)?
- D2.3 1997 \* Thomas Johansen, Norwegian University of Science and Technology, Trondheim. Cand. scient. (Master of Science) thesis: The diet of the brown bear (*Ursus arctos*) in central Sweden.
- D2.4 1998 \* Inga-Lill Persson, University of Oslo. Cand. scient. (Master of Science) thesis: Brown bear *Ursus arctos* predator upon adult moose in Scandinavia: a study at two levels of scale.
- D2.5 1998 \* Ole Opseth, Norwegian University of Science and Technology, Trondheim. Cand. scient. (Master of Science) thesis: Brown bear (*Ursus arctos*) diet and predation on moose (*Alces alces*) calves in the southern tundra zone in Sweden.
- D3.5 1998 \* Helena Busk, Swedish University of Agricultural Sciences, Uppsala. Undergraduate thesis (20 points): Brown bear (*Ursus arctos*) predation on moose (*Alces alces*) calves in a Swedish boreal forest.
- D2.6 1999 \* Line Stabell, University of Oslo. Cand. scient. (Master of Science) thesis: Use of ungulates by brown bears *Ursus arctos* in Scandinavia: effects of area, season, sex, age, and individual.
- D2.7 2000 Torleiv Yli Myre, Agricultural University of Norway, Ås. Cand. agric. (Master of Science) thesis: Strategies for female brown bear (*Ursus arctos*) to avoid infanticide: activity patterns.
- D2.8 2000 \* Andrea Friebe, Johann-Wolfgang Goethe Universität, Frankfurt am Main, Diplomarbeit (Master of Science) thesis: Das Winterverhalten und die täglichen Wanderungen von weiblichen Braunbären (*Ursus arctos*) in Zentralschweden.

- D2.9 2000 \* Håkon Hustad, Agricultural University of Norway, Ås. Cand. agric. (Master of Science) thesis: The issuing of kill permits for brown bears in response to domestic sheep depredation in Norway, 1989-99.
- D2.10 2000 Beverly Ann Wilson, University of Stirling, UK. Master of Science thesis: Conservation management of the brown bear, *Ursus arctos*, in Scandinavia: using GIS and a habitat quality index to explain the temporal and spatial variation in sub-population core areas.
- D3.6 2000(\*) Christer Zakrisson, Swedish University of Agricultural Sciences, Umeå. Undergraduate thesis (20 points): Do brown bear (*Ursus arctos*) females with cubs alter their movement pattern in order to avoid infanticidal males?
- D3.7 2000(\*) Rikako Fujita, Swedish University of Agricultural Sciences, Uppsala. Undergraduate thesis (20 points): Bait-hunting for brown bear in Sweden: temporal and spatial occurrence and potential effects on the population.
- D2.11 2001 Wiebke Neumann, Universität Osnabrück, Osnabrück, Diplomarbeit (Master of Science) thesis: The brown bear *Ursus arctos* and berries in the Swedish boreal forest: exploiting a temporarily and spatially variable resource.
- D2.12 2001 Oddmund Rønning, Agricultural University of Norway, Ås. Cand. agric. (Master of Science) thesis: Spatial and temporal supply of berries and their use by brown bears in south-central Sweden.
- D2.13 2001 Valgerður Bjarnadóttir, Swedish University of Agricultural Sciences, Uppsala. International Master of Science thesis: Brown bear (*Ursus arctos*) use of three berry species in central Sweden: do bears choose foraging plots based on the densities of berries?
- D2.14 2001 Kristin Høivik Fossum, Agricultural University of Norway, Ås. Cand. scient. (Master of Science) thesis: Brown bears (*Ursus arctos*) and berries: use of a spatially and temporally variable resource by bears of different age and sex.
- D2.15 2001(\*) Jonna Katajisto, University of Helsinki, Helsinki. Master of Science thesis: Bed site selection of female brown bears (*Ursus arctos*) as a counter-strategy to avoid sexually selected infanticide by males.
- D2.16 2001 \* Eva Bellemain, Université Claude Bernard, Villeurbanne, France. Master of Science thesis: Etude du système d'appariement de l'ours brun de Scandinavie. (Study of the Scandinavian brown bear mating system) (In French and English).
- D2.17 2001 Ander Larunbe Anderson, University of Stirling, UK. Master of Science thesis: Use of GIS to study brown bear, *Ursus arctos*, distribution in relation to habitat and traditional reindeer (*Rangifer tarandus*) herding in Scandinavia.
- D2.18 2002(\*) Solveig Kristoffersen, University of Oslo, Oslo. Cand. scient. (Master of Science) thesis: Restricting daily movements as a counterstrategy against sexually selected infanticide in brown bears (*Ursus arctos*).
- D2.19 2002 Paul Antoni Nilsen, Agricultural University of Norway, Ås. Cand. scient. (Master of Science) thesis: Scandinavian brown bear (*Ursus arctos* L.) foraging on temporary and spatially variable berry resources in the boreal forest.
- D3.8 2002 Jessica Åsbrink, Swedish University of Agricultural Sciences, Uppsala. Undergraduate thesis: Parasites and metals in the Scandinavian Brown Bear (*Ursus arctos*). Study project from the Department of Pathology, No. 30.
- D3.9 2002 Lars Plahn, Swedish University of Agricultural Sciences, Uppsala. Undergraduate thesis (20 points): Avoidance of potentially infanticidal males by female brown bears (*Ursus arctos*): patterns of diel activity.
- D3.10 2003 Patrik Jigsved, Umeå University, Umeå. Undergraduate thesis (30 ECTS): Utilisation of berries by brown bears in the Scandinavian boreal forest.
- D2.20 2003\* Knut Håkon Solberg & Ola-Mattis Drageset, Agricultural University of Norway, Ås. Cand. scient. (Master of Science) thesis: A test of methods to estimate brown bear (*Ursus arctos*) population size.
- D2.21 2004 Insa Bauhaus, Albert-Ludwigs-Universität, Freiburg, Germany. Diplomarbeit thesis: Factors for the use of carpenter ants (*Campanotus* spp.) on clear-cuts by Scandinavian brown bears (*Ursus arctos* L.).

- D2.22 2004 Eskil Nerheim, Agricultural University of Norway, Ås. Master of Science thesis: Futility of shooting brown bears *Ursus arctos* to stop sheep loss in Norway is confirmed.
- D3.11 2004 Marcus Elfström, Umeå University, Umeå. Undergraduate thesis (30 ECTS): Denning ecology of Scandinavian brown bears.
- D3.12 2004 Knut Madslie, Norwegian School of Veterinary Sciences, Oslo. Student thesis: Use of intraperitoneal radiotransmitters in yearling female brown bears; anesthetic and surgical procedures.
- D3.13 2005 Ingela Jansson, Swedish University of Agricultural Sciences, Umeå. Undergraduate thesis (20 points): A pilot study of brown bear (*Ursus arctos*) habitat use in central Sweden using GPS.
- D3.14 2005 Hanna Barck, Swedish University of Agricultural Sciences, Uppsala. Undergraduate thesis (20 points): Factors affecting foraging by brown bears *Ursus arctos* on carpenter ants, *Camponotus herculeanus*.
- D2.23 2005 Claudio Signer, University of Basel, Switzerland. Master of Science thesis: Multi-level habitat analysis of female brown bears (*Ursus arctos*) in central Sweden.
- D2.24.2005 Therese Fosholt Moe, Norwegian University of Life Sciences, Ås. Master thesis: Diel variation in habitat selection of female Scandinavian brown bears (*Ursus arctos*) in relation to resting and foraging behavior.
- D2 25 2006 Veronica Sahlén, University College London. Master of Science thesis: Female brown bear *Ursus arctos* use of an anthropogenic food source: a study from south-central Sweden
- D2 26 2006 Geir Rune Rauset, Norwegian University of Life Sciences, Ås. Master thesis: Estimating individual kill rates on moose calves by brown bears based on GPS technology and GIS cluster analysis.
- D2 27 2006 Inger Marie Yri, Norwegian University of Life Sciences, Ås. Master thesis: Seasonal and diel variation in road avoidance behaviour of female Scandinavian brown bears.
- D2 28 2007 Bjørn Erik Pedersen, Norwegian University of Life Sciences, Ås. Master thesis: Immediate and delayed behaviour of Scandinavian female brown bears when encountered by humans on foot
- D2 29 2007 Kent Ove Moren, Norwegian University of Life Sciences, Ås. Master thesis: Brunbjørns *Ursus arctos* predasjon på elg *Alces alces*: Økonomiske effekter for grunneiere i sentrale Sør-Sverige (In Norwegian: Predation by brown bears on moose: economic effects for landowners in central southern Sweden).
- D2 30 2008 Bård Andreas Lassen, Kristian Ingdal, Telemark University College, Bø. Master of Science thesis: Chemical communication in yellow-bellied marmot (*Marmota flaviventris*) and brown bear (*Ursus arctos*).
- 2008 Peter Marcus K. Greve, Norwegian University of Life Sciences, Ås. Master thesis: Behavior of the Scandinavian brown bear (*Ursus arctos*) when approached by people on foot.

### **Bachelor of Science level theses (8)**

- D4.1 1988 Paul Klute & Tom Erik Ness, Statens skogskole, Evenstad. Undergraduate report. Älvdalsbinna - arealbruk, forflytninger og habitatbruk 1987. (Älvdalsbinna—use of area, movements and habitat use in 1987).
- D4.2 1989 \* Arne Söderberg, Öster-Malma jaktvårdsskola. Undergraduate final research report: Mortalitet hos älgkalvar under sommaren. (Moose calf mortality in summer; In Swedish)
- D4.3 1992 Mats Ola Johnsson, Klarälvdalens Folkhögskola. Undergraduate two-year school final research report. Brunbjörn. En ankät undersökning över björnförekomst i Värmlands norra delar. Samt en sammanställning av det Svensk - Norska björnprojektet. (A questionnaire study of the occurrence of bears in northern Värmland and a description of the Swedish-Norwegian Brown Bear Project).
- D4.4 1995 \* Andreas Norin, Klarälvdalen Folkehögskola. Undergraduate two-year school final research report. Studier av näringsval och rörelsemönster hos radiomärkta

- brunbjörnar (Studies of food selection and movement patterns of radio-marked brown bears; In Swedish)
- D4.5 1997 Paul Anzjøn & Johan Henrik Castberg, Regional College in Nord-Trøndelag, Steinkjer, Norway. Undergraduate thesis: Omtalen av bjørn (*Ursus arctos*) i media i 1995. (Reporting about brown bears in the Norwegian media in 1995; In Norwegian).
- D4.6 1998 Pilivi Vaajakari, Omnivet. Undergraduate final report: Reproduktionen hos brunbjörnar i Sverige. (Reproduction into Brown bear in Sweden. In Swedish)
- D4.7 1999 Carina Sisell, Älvdalens naturbruksgymnasium. Undergraduate final report: Björnen, människan och turismen—går de att förena? (Bears, people and tourism—is it possible to combine them? In Swedish)
- D4.8 2005 Kent Ove Moren, Høgskolen i Hedmark Bachelor thesis: Brun björnens (*Ursus arctos*) habitatvalg:kantsoner og habitatdiversitet. (Habitat selection in brown bears (*Ursus arctos*): edges and habitat diversity. In Norwegian)
- E) Rapports to management agencies, etc. (72)**
- E1 Bjärvall, A., F. Sandegren, & P. Wabakken. 1988. Rapport 1 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 1 1988 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E2 Bjärvall, A., F. Sandegren, & P. Wabakken. 1988. Rapport 2 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 2 1988 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E3 Bjärvall, A., F. Sandegren, & P. Wabakken. 1989. Rapport 1 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 1 1989 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E4 Bjärvall, A., F. Sandegren, & P. Wabakken. 1990. Rapport 1 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 1 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E5 Bjärvall, A., F. Sandegren, & P. Wabakken. 1990. Rapport 2 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 2 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E6 Bjärvall, A., F. Sandegren, & P. Wabakken. 1990. Rapport 3 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 3 1990 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E7 Franzén, R., F. Sandegren, & P. Wabakken. 1991. Årsrapport från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report of the year 1991 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E8 Söderberg, A., F. Sandegren. 1992. Rapport 1 från det svensk-norska björnprojektet. **Våra Rovdjur Nr.2, Årg.9.** (Report 1 1992 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E9 Franzén, R., F. Sandegren, & P. Wabakken. 1992. Rapport 2 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 2 1992 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E10 Wabakken, P. A. Bjärvall, R. Franzén, E. Maartmann, F. Sandegren, & A. Söderberg. 1992. Det svensk-norske bjørneprosjektet 1984-91. **Norwegian Inst. Nature Res., Oppdragsmelding 146.** (The Swedish-Norwegian Bear Research Project 1984-91. In Norwegian)
- E11 Franzén, R., F. Sandegren, & P. Wabakken. 1993. Rapport 1 från det svensk-norska björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report 1 1993 from the Swedish-Norwegian Brown Bear Project. In Swedish)
- E12 Wabakken, P. & E. Maartmann. 1994. Slutrapport for bjørn-sauprosjektet i Hedmark 1990-93. **Norwegian Inst. Nature Res., Forskningsrapport 58.** (Final report for the bear-sheep project in Hedmark, 1990-93. In Norwegian)
- E13 Swenson, J. E., F. Sandegren, P. Wabakken, A. Bjärvall, A. Söderberg and R. Franzén. 1994. Bjørnens historiske og nåværende status og forvaltning i Skandinavia. **Norwegian Inst. Nature Res., Forskningsrapport 53.** (The historic and present status and

- management of the brown bear (*Ursus arctos* L.) in Scandinavia; in Norwegian with English summary).
- E14 Swenson, J. E., F. Sandegren, & P. Wabakken. 1994. Rapport 1 från det Skandinaviska Björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket**. (Report 1 1994 from the Scandinavian Brown Bear Project. In Swedish)
- E15 Swenson, J. E., F. Sandegren, & P. Wabakken. 1994. Rapport 2 från det Skandinaviska Björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket**. (Report 2 1994 from the Scandinavian Brown Bear Project. In Swedish)
- E16 Swenson, J. E., F. Sandegren, & P. Wabakken. 1994. Årsrapport från det Skandinaviska Björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket**. (Report of the year 1994 from the Scandinavian Brown Bear Project. In Swedish)
- E17 Sagør, J. T., J. E. Swenson, and E. Røskaft. 1995. Bjørn og sauehold: Er det mulig å nå Rovviltmeldingenes målsettingene? (Bears and sheep husbandry: Is it possible to reach the goals in the Large Predator White Paper? In Norwegian). **Norwegian Inst. Nature Res., Fagrapport 14**.
- E18 Swenson, J. E., F. Sandegren. 1995. Årsrapport från det Skandinaviska Björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket**. (Report of the year 1995 from the Scandinavian Brown Bear Project. In Swedish)
- E19 Swenson, J. E. 1995. How can research be an effective part of wildlife management?. Wirkungsvoller Naturschutz – Welche Rolle kann die SGW übernehmen? **Jahrestagung der Schweizerischen Gesellschaft für Wildtierbiologie (SGW) 1995**. S 4-9
- E20 Sandegren, F., S. Brunberg, J. Swenson & A. Söderberg. 1996. Rapport angående arbetet med björnhonan Koska och hennes ungar. **Rapport till länsstyrelsen i Dalarna**. 3 pp. (Report about work with the bear female “Koska” and her young. In Swedish)
- E21 Swenson, J. E., F. Sandegren. 1996. Björnlakten i Sverige – Några rekommendationer. **Rapport till Naturvårdsverket**.
- E22 Swenson, J. E., F. Sandegren & A. Söderberg. 1996. Utvärdering av björnobsen. **Rapport till Svenska Jägareförbundet**.
- E23 Swenson, J. E., F. Sandegren, M. Heim, S. Brunberg, O. J. Sørensen, A. Söderberg, A. Bjärvall, R. Franzén, S. Wikan, P. Wabakken, and K. Overskaug. 1996. Er den skandinaviske bjørnen farlig? **Norwegian Inst. Nature Res., Oppdragsmelding 404**. (Is the Scandinavian brown bear dangerous? In Norwegian)
- E24 Andersen, R., J. Linnell, and J. Swenson. 1996. Hovedrapport—Regionfelt Østlandet. Tema hjortevilt og rovvilt. **Norwegian Inst. Nature Res., Oppdragsmelding 405**. (Final report—Regionfelt Østlandet. Ungulates and carnivores. In Norwegian)
- E25 Aanes, R., J. D. Linnell, J. E. Swenson, O. G. Støen, J. Odden, and R. Andersen. 1996. Menneskelig aktivitets innvirkning på klauvvilt og rovvilt. En utredning foretatt i forbindelse med Forsvarets planer for Regionfelt Østlandet, del 1. **Norwegian Inst. Nature Res., Oppdragsmelding 412**. (The effect of human disturbance on ungulates and carnivores: a study undertaken in connection with the proposal by the Department of Defense to establish a shooting range in southeastern Norway, part 1, in Norwegian)
- E26 Linnell, J. D. C., B. Barnes, J. E. Swenson, and R. Andersen. 1996. Hvor sårbare er bjørner for forstyrrelser i hiperioden? En utredning foretatt i forbindelse med Forsvarets planer for Regionfelt Østlandet, del 2. **Norwegian Inst. Nature Res., Oppdragsmelding 413**. (How vulnerable are denning bears to disturbance? a study undertaken in connection with the proposal by the Department of Defense to establish a shooting range in southeastern Norway, part 2, in Norwegian)
- E27 Swenson, J. E., T. M. Heggberget, P. Sandström, P. Wabakken, A. Bjärvall, A. Söderberg, R. Franzén, J. D. C. Linnell, and R. Andersen. 1996. Brunbjørnens arealbruk i forhold til menneskelig aktivitet. En utredning foretatt i forbindelse med Forsvarets planer for Regionfelt Østlandet, del 5. **Norwegian Inst. Nature Res., Oppdragsmelding 416**. (Use of area by brown bears in relation to human activity: a study undertaken in connection with the proposal by the Department of Defense to establish a shooting range in southeastern Norway, part 5, in Norwegian)

- E28 Mysterud, I., J. E. Swenson, J. D. C. Linnell, A. O. Gautestad, I. Mysterud, J. Odden, M. E. Smith, R. Aanes, P. Kaczensky. 1996. Rovvilt og sauenæring i Norge: kunnskapsoversikt og evaluering av forebyggende tiltak. **Report, Biological Institute, University of Oslo, Norway.** (Carnivores and sheep farming in Norway: a survey of the information and evaluation of mitigating measures. In Norwegian)
- E29 Aanes, R., J. E. Swenson, and J. D. C. Linnell. 1996. Rovvilt og sauenæring i Norge. 1. Tap av sau til rovvilt: en presentasjon av tapets omfang basert på brukeropplysninger. **Norwegian Inst. Nature Res., Oppdragsmelding 434.** (Carnivores and sheep farming in Norway. 1. Loss of sheep due to large predators: a presentation of the magnitude of loss based on information from sheep farmers. In Norwegian)
- E30 Linnell, J. D. C., M. E. Smith, J. Odden, P. Kaczensky, and J. E. Swenson. 1996. Rovvilt og sauenæring i Norge (Carnivores and sheep farming in Norway). 4. Strategies for the reduction of carnivore—livestock conflicts: a review. **Norwegian Inst. Nature Res., Oppdragsmelding 443.** (In English)
- E31 Linnell, J. D. C., M. E. Smith, J. Odden, P. Kaczensky, and J. E. Swenson. 1996. Rovvilt og sauenæring i Norge (Carnivores and sheep farming in Norway). 5. Strategier for å redusere rovdyr-husdyr konflikter: en litteraturoversikt. **Norwegian Inst. Nature Res., Oppdragsmelding 444.** (In Norwegian with English summary)
- E32 Sæther, B.-E., S. Engen, J. E. Swenson, Ø. Bakke, and F. Sandegren. 1997. Levedyktighetsanslyser av skandinavisk brunbjørn. **Norwegian Inst. Nature Res., Fagrapport 25.** (Population viability analysis for the Scandinavian brown bear. In Norwegian)
- E33 Swenson, J. E., F. Sandegren. 1997. Årsrapport från det Skandinaviska Björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report of the year 1997 from the Scandinavian Brown Bear Project. In Swedish)
- E34 Linnell, J. D. C., J. E. Swenson, A. Landa & T. Kvam. 1998. Methods for monitoring European large carnivores—a worldwide review of relevant experience **Norwegian Inst. Nature Res., Oppdragsmelding 549.**
- E35 Linnell, J. D. C., J. E. Swenson, A. Landa & T. Kvam. 1998. Metodikk for bestandsovervåking av store rovdyr—en litteraturgjennomgang. **Norwegian Inst. Nature Res., Oppdragsmelding 550.** (Methods for monitoring European large carnivores—a worldwide review of relevant experience. In Norwegian)
- E36 Brunberg, S., S. Nordlund & F. Sandegren. 1998. Rapport om björnen W9705 Björe. The Scandinavian Brown Bear Research Project, Unpubl. Rept. (Report about the bear W9705 Björe. In Swedish)
- E37 Swenson, J. E., F. Sandegren. 1998. Årsrapport från det Skandinaviska Björnprojektet. **Rapport Svenska Jägareförbundet och Naturvårdsverket.** (Report of the year 1998 from the Scandinavian Brown Bear Project. In Swedish)
- E38 Swenson, J. E., F. Sandegren, A. Bjärvall, P. Wabakken, R. Franzén & A. Söderberg. 1998. Bjørneungers oppvekstvilkår: hvilke faktorer er viktige for overlevelse av årsunger? Pages 180-184 in NINAs strategiske instituttprogrammer 1991-95: Store rovdyrø økologi i Norge, Sluttrapport. **Norwegian Inst. Nature Res., Temahefte 8.** (In Norwegian)
- E39 Swenson, J. E., F. Sandegren, P. Wabakken, A. Bjärvall, A. Söderberg R. Franzén & P. Segerström. 1998. Bjørneungers spredningsdynamikk. Pages 185-188 in NINAs strategiske instituttprogrammer 1991-95: Store rovdyrø økologi i Norge, Sluttrapport. **Norwegian Inst. Nature Res., Temahefte 8.** (In Norwegian)
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- E 72. Swenson, J.E. and Støen, O.-G. 2008. Possibilities to estimate the population size of brown bears in Norway area based on the number of annual reproductions. Report No. 2008-5 from the Scandinavian Brown Bear Research Project

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- F1 Bengtsson, G. & F. Sandegren. 1985. Björnen anfaller. **Svensk Jakt**. 123:726-729. (The bear attacks. In Swedish)
- F2 Bjärvall, A. & P. Ahlqvist. 1985. Första björnen med radiosändare. **Svensk Jakt**. 123:278-281. (The first bear with a radio transmitter. In Swedish)
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- F4 Ahlqvist, P. & G. Markgren. 1987. Ett björnmärkningsprojekt. **Viltnytt** 24:6-12. (A bear-marking project. In Swedish)
- F5 Bjärvall, A. & P. Westman. 1987. Licensjakten på björn. **Svensk Jakt**. 125:986-989. (The license system for bear hunting. In Swedish)
- F6 Bjärvall, A., F. Sandegren, P. Ahlqvist, R. Franzén, O. Persson, & L. Pettersson. 1987. Björnmärkningen. **Svensk Jakt**. 125:208-213. (Bear marking. In Swedish)
- F7 Pettersson, L. & F. Sandegren. 1987. Hur gammal blir björnen? **Från Hav till Fjäll** 11(3):20-21. (How old do bears become? In Swedish)
- F8 Bjärvall, A. & F. Sandegren. 1988. Vi behöver veta mer om björnen. **Dalajägaren 40 år**. Pp. 82-92. (We must know more about bears. In Swedish)
- F9 Bjärvall, A. 1989. Alltjämt ovisst för de fyra. **Sveriges Natur** 80(3):3. (Still uncertain for the four large predators. In Swedish)
- F10 Bjärvall, A. 1989. Björnens vandringar klarnar. **Svensk Jakt** 127:902-904. (The wanderings of bears become more clear. In Swedish)
- F11 Sandegren, F. & A. Söderberg. 1989. Provtagning på björn. **Svensk Jakt** 127:878. (Taking samples from bears. In Swedish)
- F12 Wabakken, P., A. Bjärvall, & F. Sandegren. 1989. Bjørner med radio tvers over riksgrensa—et felles svensk-norsk forskningsprosjekt. **Jakt og Fiske** 118(4):38-39. (Bears with radio transmitters over the national border—a common Swedish-Norwegian research project. In Norwegian)
- F13 Bjärvall, A. 1990. Projekt björn. **Camera Natura** 1(3):2-9. (Project Bear. In Swedish)
- F14 Wabakken, P. & A. B. Vaag. 1990. Bjørneprosjektet. **Naturnytt** 2:40-41. (The bear project. In Norwegian)
- F15 Sandegren, F. & A. Söderberg. 1991. Björnens idegång i Norrbotten. **Jakt i norr** 1:5-7. (Denning by bears in Norrbotten. In Swedish)
- F16 Sandegren, F. & A. Söderberg. 1991. Norrbottenbjörnars hemområde i september. **Jakt i norr** 1:7-8. (The September home ranges of bears in Norrbotten. In Swedish)

- F17 Wabakken, P. 1991. Hedmark Sau- og geitalslag aktivt med i bjørneforskningen. **Sau og Geit** 44:108-111. (The Hedmark Sheep and Goat Raisers Organization participate actively in bear research. In Norwegian)
- F18 Söderberg, A. & F. Sandegren. 1992. Avskjutningsstatistik 1991 för björn i Sverige. **Våra Rovdjur** 9(2):24. (Bear harvest statistics for Sweden in 1991. In Swedish)
- F19 Sandegren, F. & A. Söderberg. 1992. Brown bear. **Swedish game; biology and management**. The Swedish Association for Hunting and Wildlife Management, Spånga. Pp. 115-116.
- F20 Sandegren, F. & J. Swenson. 1992. Björnjakten 1992--var den så dålig? **Svensk Jakt** 1992(12): 88-89. (The 1992 bear hunting season--was it so bad? In Swedish)
- F21 Swenson, J., F. Sandegren, A. Söderberg & P. Wabakken. 1992. Hur många björnar? **Svensk Jakt** 1992(10):37-42. (How many bears? In Swedish)
- F22 Swenson, J., F. Sandegren, A. Söderberg & P. Wabakken. 1992. Hur många björnar har vi i Sverige? **Våra Rovdjur** 9(3):6-12. (How many bears do we have in Sweden? In Swedish)
- F23 Sandegren, F. & A. Söderberg. 1993. Brunbjörn. Sverige, jakten och EG. Svenska jägareförbundet, Spånga. Pp. 148-149.
- F24 Sandegren, F. & J. Swenson. 1993. Jo, björnräkningen stämmer visst! **Svensk Jakt** 1993(1):89-90. (Yes, the bear population estimate is correct! In Swedish)
- F25 Swenson, J. & F. Sandegren. 1993. Björnen i Sverige. **Svensk Jakt** 1993(9):978-979. (The brown bear in Sweden. In Swedish)
- F26 Söderberg, A., F. Sandegren, and J. Swenson. 1994. Hur stor var björnen?. **Svensk Jakt** 1994(8):832-834. (How large was the bear? In Swedish)
- F27 Swenson, J. E., F. Sandegren, R. Franzén, S. Brunberg, K. A. Olander, P. Wabakken, A. Söderberg, and A. Bjärvall. 1994. Bjørnen, elgen og elgjakta. **Elgen** 1994:28-29. (Bears, moose, and moose hunting. In Norwegian)
- F28 Swenson, J., F. Sandegren, A. Söderberg, and P. Wabakken. 1994. Björnen i Skandinavien. Pp. 143-148 in G. Markgren, H. Andrén and H. Sand, eds. **Skogsvilt II**. Grimsö Wildlife Research Station, Swedish University of Agricultural Sciences, Riddarhyttan. (The brown bear in Scandinavia. In Swedish)
- F29 Swenson, J. E. and F. Sandegren. 1995. Brunbjörnens genetik i Skandinavien. **Svensk Jakt** 1995(5):493-497. (The genetics of brown bears in Scandinavia. In Swedish)
- F30 Söderberg, A. and J. E. Swenson. 1996. Björn på villovägar? **ABC Jakt** 10:6-7. (Lost bears? In Swedish)
- F31 Sagør, J. T. and J. Swenson. 1996. Sau i bjørneland—kilde til konflikt! Pp. 8-23 in K. H. Brox (ed.). **Natur 96/97**. Tapir forlag, Trondheim, Norway. (Sheep in bear country—the source of conflict! In Norwegian, Invited chapter)
- F32 Swenson, J., Sandegren, F., Wallin, K. & Cederlund, G. 1998. Karhun ja hirven yhteiselo Skandnaviassa. **Riistantutkimuksen tiedote** 149:3-4. (The coexistence of brown bears and moose in Scandinavia. In Finnish)
- F33 Swenson, J. 1988. Forebyggende tiltak mot rovdyrskader. Pp. 374-379 in **Husdyrforsøksmøtet 1998**, Norwegian Agricultural University, Ås. 709 pp. (Mitigating measures against predator depredation. in Norwegian)
- F34 Sandegren, F. and J. Swenson. 1998. Nya rön från det Skandinaviska Björnprojektet—projektet om den svenska björnen. **Allt om djur och natur** 1998(3):20-24. (New results from the Scandinavian Brown Bear Research Project—the project about the Swedish brown bear. in Swedish)
- F35 Busk, H., B. Dahle, A. Jansson, T. Johansen, A. Norin, O. Opseth, I.-L. Persson, R. Riig, L. Stabell, A. Söderberg, J. Swenson, F. Sandegren, K. Wallin, and G. Cederlund. 1999. Bjørnen som predator på elg. **Elgen** 1999:12-15. (The brown bear as a predator on moose. in Norwegian)
- F36 Söderberg, A., F. Sandegren & J. Swenson. 1999. En ovanlig vandringväg. **Våra Rovdjur** 2: 8-9. (An unusual dispersal route. in Swedish)
- F37 Sandegren, F. & J. Swenson. 2000. Björnen som älgjägare. **Svensk Jakt** 2000(2/3):62-65. (The brown bear as a moose hunter. in Swedish)

- F38 Olson, J. E. 2000. **Är björnen farlig?** Björnprojektet i Orsa, Orsa. 24 pp. (Is the brown bear dangerous? In Swedish)
- F39 Swenson, J. E. 2000. Rovdyr og rovdyrforvaltning. Pp. 325-329 in I. S. Kristiansen, chief editor. **Store Norske Årbok 2000**, Kunnskapsforlaget, Oslo, Norway. 543 pp. (Large predators and their management; in Norwegian)
- F40 Swenson, Jon E. 2000. Rovdyr med konsekvenser. **Verdens natur** 15(2):8-11. (Large predators with consequences; in Norwegian)
- F41 Brunberg, S. 2000. Om du möter en björn. **Broschyr från Viltskadecenter**. 8 sidor
- F42 Brunberg, S. 2000. If you encounter a bear . **Pamphlet from Viltskadecenter**. 8 pp
- F43 Brunberg, S. 2000. Wenn Sie einen Bären begegnen. **from Viltskadecenter**. 8 pp
- F44 Olson, J. E. 2001. **Is the brown bear dangerous?** Björnexperten i Orsa, Orsa, Sweden. 24 pp.
- F45 Olson, J. E. 2001. **Ist der Braunbär gefährlich?** Björnexperten i Orsa, Orsa, Sweden. 24 pp.
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- F47 Hustad, H. & J. E. Swenson. 2001. Tildeling av skadefellingstillatelser på bjørn som tar sau. **Sau og Geit** 2001(5):60-63. (Issuance of kill permits for bears that kill sheep; in Norwegian)
- F48 Swenson, J. E. 2002. Nå våkner bjørnen! **Villmarksliv** 29(4):56-59. (Bears are waking now!; in Norwegian).
- F49 Zedrosser, A. & B. Dahle. 2002. Brown bear attack in central Sweden. *International Bear News* 11/2:9.
- F50 Olson, J. E. 2003. **Er bjørnen farlig?** Björnprojektet i Orsa, Orsa. 24 pp. (Is the brown bear dangerous? In Norwegian)
- F51 Olson, J. E. 2004. **Lorso bruno é pericoloso?** Björnprojektet i Orsa, Orsa. 24 pp. (Is the brown bear dangerous? In Italian)
- Katajisto, J.K. 2004. Näin pärjäät karhun naapurina, **Tiede** 3/2004 (Having bears as neighbour, Finnish science magazine, in Finnish).
- F52 Swenson, J., J. Kindberg, E. Bellemain, S. Brunberg & G. Ericsson. 2004. Björnstammen är större än man trott. **Våra Rovdjur** 2004(3):14-15. (The population of brown bears is larger than previously thought; in Swedish).
- F53 Swenson, J., J. Kindberg, E. Bellemain, S. Brunberg & G. Ericsson. 2005. Brunbjørn i Sverige 2004. **Våre Rovdyr** 19(1):14-15. (The brown bears in Sweden 2004; in Norwegian).
- F54 Zedrosser, A. 2005. Mord, Intrigen und Sex. - Über die Partnerwahl bei Braunbären. **Österreichs Weidwerk** 6: 60-61. (Murder, intrigue, and sex—On mate choice in brown bears; in German)
- F55 Zedrosser, A. 2005. Bäriges. **Österreichs Weidwerk** 8: 46-47. (About bears; in German)
- Zedrosser, A. 2007. Kindesmord zu Fortpflanzungszwecken. **Wildbiologie** 1/2007: 1-12. (Infanticide for the purpose of reproduction; in German)
- Sahlén, V., Swenson, J., Brunberg, S. og Kindberg, J. 2007. Bjørnen i Sverige. **Våre Rovdyr** 21(3): 80-94. (The brown bear in Sweden: in Norwegian)
- Arnemo, J. & S. Stokke. 2008. Myter og sannheter: hardskutte dyr. **Jakt** 2008 (8): 28-30.
- Stokke, S., J. Arnemo, M. Kristoffersson & A. Söderberg. 2008. Märkbart många björnar skadeskjuts. **Våre Rovdjur** 2008 (2): 18-20.

### G) Websites for the public (6)

- G2 Söderberg, A., F. Sandegren & J.E. Swenson. 1999. En ung björnhanes ovanliga vandringssväg. <http://www.jagareforbundet.se/forsk/projekt/granis.html> (A young male brown bear's unusual dispersal route. In Swedish)
- G3 Franzén, R. 2002. *Ursus arctos* brunbjörn. (Rev. Sven Brunberg & Jon Swenson 2002). ArtDatabanken, SLU: 2002-11-25. Tillgänglig URL: [http://www-umea.slu.se/MiljoData/webrod/Faktablad/ursu\\_arc.pdf](http://www-umea.slu.se/MiljoData/webrod/Faktablad/ursu_arc.pdf) (2002-11-27).

- G4 Swenson, J. E. 2002. Faktaark om brunbjørn. <http://www.ninaniku.no/nidaros/>
- G5 Kindberg, J & E. Bellemain. 2004. Björnspillnings inventering <http://www.jagareforbundet.se/forsk/bjornspillningsinventering/default.asp>
- G6 Schmith, G. 2004. The Scandinavian Brown Bear Research Project. <http://www.bearproject.info/2/index.htm>
- Metapopulation Research Group 2002. Spatial population dynamics of the brown bear (*Ursus arctos*) [http://www.helsinki.fi/science/metapop/english/Research/Project\\_bear.htm](http://www.helsinki.fi/science/metapop/english/Research/Project_bear.htm)

#### H) Posters presented at proceedings (16)

- H 01 Wabakken, P., A. Bjärvall & F. Sandegren. 1987. Radio-tracking brown bears in Sweden. **18<sup>th</sup> Congress of the International Union of Game Biologists**, Kraków, Poland.
- H 02 Wabakken, P., A. Bjärvall & F. Sandegren. 1988. The Swedish-Norwegian bear study progress report. **11<sup>th</sup> Nordic Congress on Game Research**, Espoo, Finland.
- H 03 Wabakken, P., A. Bjärvall & F. Sandegren. 1989. Radio-tracking Scandinavian brown bears: study progress report. **12<sup>th</sup> Congress of the International Union of Game Biologists**, Trondheim, Norway.
- H 04 Arnemo, J. M., P. Dypsund, F. Berntsen, J. Schultze, S. J. Wedul, B. Ranheim & L.G. Lundstein. 1998. Implantation of intraperitoneal radiotransmitters in brown bears (*Ursus arctos*), wolverines (*Gulo gulo*) and lynx (*Lynx lynx*): anesthetic and surgical procedures for field use. **47<sup>th</sup> Annual Conference of the Wildlife Disease Association**, Madison, Wisconsin, USA.
- H 05 Friebe, A., J. E. Swenson & F. Sandegren. 1999. Daily movements and denning ecology of female brown bears (*Ursus arctos*) in central Sweden. **33<sup>rd</sup> International Congress of the International Society for Applied Ethology**, Lillehammer, Norway.
- H 06 Bellemain, E., J. E. Swenson, D. Tallmon, S. Brunberg, P. Taberlet. 2004. Brown bear population size estimates using DNA from hunter-collected feces: A comparison of different methods. **15<sup>th</sup> International Conference on Bear Research and Management**. San Diego, California USA
- H 07 Schoettler, A., S. Brunberg. 2004 Testing methods used in activity studies. **15<sup>th</sup> International Conference on Bear Research and Management**. San Diego, California USA
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