Referanser

Allendorf, F. W., R. F. Leary, P. Spruell, and J. K. Wenburg. 2001. The problems with hybrids: setting conservation guidelines. Trends in Ecology & Evolution 16: 613–622.

Allendorf, F.W., P.A. Hohenlohe & G. Luikart. 2010. Genomics and the future of conservation genetics. Nature Reviews Genetics 11: 697-709.

Alvarez, D., and Nicieza, A.G. 2005. Is metabolic rate a reliable predictor of growth and survival of brown trout (*Salmo trutta*) in the wild? Can J Fish Aquat Sci 62(3): 643-649.

Anon. 2010a. Status for norske laksebestander i 2010. Rapport fra Vitenskapelig råd for lakseforvaltning, nr 2: 1-213.

Anon. 2010b. Vedleggsrapport med vurdering av måloppnåelse og beskatningsråd for de enkelte bestandene. Rapport fra Vitenskapelig råd for lakseforvaltning, nr 2b: 1-516.

Anon. 2011. Kvalitetsnormer for laks – anbefalinger til system for klassifisering av villaksbestander. Temarapport fra Vitenskapelig råd for lakseforvaltning nr. 1, 105s.

Aprahamian, M.W., Smith, K.M., McGinnity, P., McKelvey, S., and Taylor, J. 2003. Restocking of salmonids - opportunities and limitations. Fish Res 62(2): 211-227.

Araki, H., & Schmid, C. 2010. Is hatchery stocking a help or harm? Evidence, limitations and future directions in ecological and genetic surveys. Aquaculture 308: S2-S11.

Araki, H., Berejikian, B.A., Ford, M.J. og Blouin, M.S. 2008. SYNTHESIS: Fitness of hatchery-reared salmonids in the wild. Evolutionary Applications 1: 342-355

Araki, H., Cooper, B. & Blouin, M.S. 2007. Genetic effects of captive breeding cause a rapid, cumulative fitness decline in the wild. Science 318: 100-103.

Bentsen HB (1994) Genetic affects of selection on polygenic traits with examples from Atlantic salmon, *Salmo salar* L. Aqua Fish Manag 25: 89-102.

Billingsley, L. W. (Ed.) 1981. Proceedings of the stock concept international symposium. Canadian Journal of Fisheries and Aquatic Sciences, 38: 1457-1921.

Bohlin, T., Sundström, L.F., Johnsson, J.I., Höjesjö, J., and Pettersson, J. 2002. Density-dependent growth in brown trout: effects of introducing wild and hatchery fish. J Anim Ecol 71(4): 683-692.

Brännäs, E. (1995) First access to territorial space and exposure to strong predation pressure - a conflict in early emerging Atlantic salmon (*Salmo salar*) fry. *Evolutionary Ecology,* 9, 411-420.

Butler, J.R.A., Cunningham, P.D. & Starr, K. 2005. The prevalence of escaped farmed salmon, *Salmo salar* L., in the River Ewe, western Scotland, with notes on their ages, weights and spawning distribution. Fisheries Management and Ecology 12: 149-159.

Carlin, B. 1969. Migration of salmon. Lectures Series. Atlantic Salmon Association Special Publication, Montreal, s. 14-22.

Chilcote, M. W. 2003. Relationship between natural productivity and the frequency of wild fish in mixed spawning populations of wild and hatchery steelhead (*Oncorhynchus mykiss*). *Canadian Journal of Fisheries and Aquatic Sciences*, 60: 1057-1067.

Clifford, S. L., McGinnity, P., & Ferguson, A. 1998a. Genetic changes in Atlantic salmon (*Salmo salar*) populations of Northwest Irish rivers resulting from escapes of adult farm salmon. *Canadian Journal of Fisheries and Aquatic Sciences*, 55: 358–363.

Clifford, S.L., McGinnity, P., & Ferguson, A. 1998b. Genetic changes in an Atlantic salmon population resulting from escaped juvenile farm salmon. *Journal of Fish Biology*, 52: 118-127.

Cross, T.F., McGinnity, P., Coughlan, J., Dillane, E., Ferguson, A., Koljonen, M.L., Milner, N., O'Reilly, P., and Vasemägi, A. 2007. Chapter 11 Stocking and Ranching. In: The Atlantic Salmon: Genetics, Conservation and Management. Eds: Verspoor E., Stradmeyer, L. , Nielsen, J. Blackwell Publishing Ltd.

Crozier, W.W. (1993) Evidence of genetic interaction between escaped farmed salmon and wild Atlantic salmon (Salmo salar L.) in a northern Irish river. *Aquaculture,* 113, 19-29.

Crozier, W.W. (2000) Escaped farmed salmon, Salmo salar L., in the Glenarm River, Northern Ireland: genetic status of the wild population 7 years on. *Fisheries Management and Ecology,* 7, 437-446.

Darwish, T.L. & Hutchings, J.A. (2009) Genetic variability in reaction norms between farmed and wild backcrosses of Atlantic salmon (*Salmo salar*). Canadian Journal of Fisheries and Aquatic Sciences, 66**,** 83-90.

Dillane E, McGinnity P, Coughlan JP, Cross MC, De Eyto E, Kenchington E, Prodhöhl P, Cross TF (2008) Demographic and landscape features determine intrariver population structure in Atlantic salmon (*Salmo salar* L.): the case of River Moy in Ireland. Molec Ecol 17: 4786-4800

Diserud, O., Fiske, P., & Hindar, K. 2010. Regionvis påvirkning av rømt oppdrettslaks på ville laksebestander i Norge. NINA Rapport, 622: 1-40.

Einum, S. & Fleming, I.A. (1997) Genetic divergence and interactions in the wild among native, farmed and hybrid Atlantic salmon. *Journal of Fish Biology,* 50, 634-651.

Einum, S. & Fleming, I.A. (2000a) Highly fecund mothers sacrifice offspring survival to maximize fitness. *Nature,* 405, 565-567.

Einum, S. & Fleming, I.A. (2000b) Selection against late emergence and small offspring in Atlantic salmon (*Salmo salar*). *Evolution,* 54, 628-639.

Einum, S., Sundt-Hansen, L. & Nislow, K.H. (2006) The partitioning of density-dependent dispersal, growth and survival throughout ontogeny in a highly fecund organism. *Oikos,* 113, 489-496.

Eriksson, T. & Eriksson, L.O. 1991. Spawning migratory behaviour of coastal-released Baltic salmon (*Salmo salar*). Effects on straying frequency and time of river ascent. Aquaculture 98: 79-87.

Erkinaro J, Niemelä E, Vähä J-PK, Primmer CR, Brørs S, Hassinen E, Orell P & Länsman M. 2010. Distribution and biological characteristics of escaped farmed salmon in a major subarctic salmon river, River Teno, (Finland/Norway). Canadian Journal of Fisheries and Aquatic Sciences 67: 130-142.

Finstad, A.G., Einum, S., Forseth, T. & Ugedal, O. (2007) Shelter availability affects behaviour, size-dependent and mean growth of juvenile Atlantic salmon. *Freshwater Biology,* 52, 1710-1718.

Fiske, P., Lund, R. A., Østborg, G. M., & Fløystad, L. 2001. Rømt oppdrettslaks i sjø- og elvefisket i årene 1989-2000. NINA Oppdragsmelding, 704: 1-26.

Fiske, P., Lund, R., & Hansen, L. P. 2006. Relationships between the frequency of farmed Atlantic salmon, Salmo salar L., in wild salmon populations and fish farming activity in Norway, 1989-2004. ICES Journal of Marine Science, 63: 1182-1189.

Fleming, I.A. & Einum, S. (1997) Experimental tests of genetic divergence of farmed from wild Atlantic salmon due to domestication. *Ices Journal of Marine Science,* 54, 1051-1063.

Fleming, I.A. (1996) Reproductive strategies of Atlantic salmon: Ecology and evolution. *Reviews in Fish Biology and Fisheries,* 6, 379-416.

Fleming, I.A., Hindar, K., Mjolnerod, I.B., Jonsson, B., Balstad, T. & Lamberg, A. (2000) Lifetime success and interactions of farm salmon invading a native population. *Proceedings of the Royal Society of London Series B-Biological Sciences,* 267, 1517-1523.

Fleming, I.A., Jonsson, B., Gross, M.R. & Lamberg, A. (1996) An experimental study of the reproductive behaviour and success of farmed and wild Atlantic salmon (Salmo salar). *Journal of Applied Ecology,* 33, 893-905.

Fontaine P-M, Dodson JJ, Bernatchez L, Slettan A (1997) A genetic test of metapopulation structure in Atlantic salmon (Salmo salar) using microsatellites. Can J Fish Aquat Sci 54: 2434-2442

Ford JS, Myers RA (2008) A global assessment of salmon aquaculture impacts on wild salmonids. Plos Biology 6: 0411-0417

Fraser, D.J., Cook, A.M., Eddington, J.D., Bentzen, P. & Hutchings, J.A. (2008) Mixed evidence for reduced local adaptation in wild salmon resulting from interbreeding with escaped farmed salmon: complexities in hybrid fitness. *Evolutionary Applications,* 1, 501-512.

Fraser, D.J., Houde, A.L.S., Debes, P.V., O'Reilly, P., Eddington, J.D. & Hutchings, J.A. (2010a) Consequences of farmed-wild hybridization across divergent wild populations and multiple traits in salmon. *Ecological Applications,* 20, 935-953.

Fraser, D.J., Minto, C., Calvert, A.M., Eddington, J.D. & Hutchings, J.A. (2010b) Potential for domesticated-wild interbreeding to induce maladaptive phenology across multiple populations of wild Atlantic salmon (*Salmo salar*). *Canadian Journal of Fisheries and Aquatic Sciences,* 67, 1768-1775.

Garant, D., Fleming, I.A., Einum, S. & Bernatchez, L. (2003) Alternative male life-history tactics as potential vehicles for speeding introgression of farm salmon traits into wild populations. *Ecology Letters,* 6, 541-549.

García de Leániz C, Fleming I, Einum S, Verspoor E, Consuegra S, Jordan WC, Aubin-Horth N, Lajus DL, Villanueva B, Ferguson A, Youngson AF, Quinn TP (2007) Local Adaptation. In: Verspoor E, Stradmeyer L, Nielsen JL (eds) The Atlantic salmon; genetics, conservation and management. Blackwell Publishing Ltd, Oxford, pp 195-235. ISBN: 978-1-4051-1582-7

Gjedrem T (1983) Genetic variation in quantitative traits and selective breeding in fish and shellfish. Aquaculture 33: 51-72.
Gjedrem T (2010) The first family-based breeding program in aquaculture. Rev Aquaculture 2: 2-15
Gjedrem T, Gjøen HM, Gjerde B (1991) Genetic origin of Norwegian farmed Atlantic salmon. Aquaculture 98: 41–50
Gjøen HM, Bentsen HB (1997) Past, present, and future of genetic improvement in salmon aquaculture. ICES J Mar Sci 54: 1009–1014
Glover K, Otterå H, Olsen RE, Slindre E, Taranger GL, Skaala Ø (2009) A comparison of farmed, wild and hybrid Atlantic salmon (*Salmo salar* L.) reared under farming conditions. Aquaculture 286: 203-210
Grant, W. S. (red.) 1997. Genetic effects of straying of non-native hatchery fish into natural populations: proceedings of the workshop. – U.S. Dep. Commer., NOAA Tech Memo. NMFS-NWFSC-30, 130 s.
Grisdale-Helland B, Helland SJ (1998) Macronutrient utilization by offspring from wild and selected Atlantic salmon. In: McCracken KJ, Unsworth EF, Wylie ARG (eds) Energy metabolism of farmed animals. CAB International, Oxon, UK, pp.221-224
Gunnerød, T.B., Hvidsten, N.A. & Heggberget, T.G. 1988. Open sea releases of Atlantic salmon smolts, *Salmo salar*, in Central Norway, 1973-83. Canadian Journal of Fisheries and Aquatic Sciences 45: 1340-1345.
Handeland SO, Björnsson BTh, Arnesen AM, Stefansson SO (2003) Seawater adaptation and growth of post-smolt Atlantic salmon (*Salmo salar*) of wild and farmed strains. Aquaculture 220: 367-384
Hansen, L.P. 2006a. Migration and survival of farmed Atlantic salmon released from two Norwegian fish farms. *ICES J. Mar. Sci.* 63: 1211-1217.
Hansen, L.P. 2006b. Vandring og spredning av rømt oppdrettslaks. NINA Rapport 162: 1-21.
Hansen, L.P. & Jonsson, B. 1989. Salmon ranching experiments in the River Imsa: effect of timing of Atlantic salmon (*Salmo salar*) smolt migration on survival to adults. Aquaculture 82: 367-373.
Hansen, L.P. & Jonsson, B. 1991. The effect of timing of Atlantic salmon smolt and post-smolt release on the distribution of adult returns. Aquaculture 98: 61-67.
Hansen, L.P. & Youngson, A.F. 2010. Dispersal of large farmed Alantic salmon, *Salmo salar,* from simulated escapes at fish farms in Norway and Scotland. Fisheries Management and Ecology 17, 28-32.
Hansen, L.P., Døving, K.B. & Jonsson, B. 1987. Migration of farmed Atlantic salmon with and without olfactory sense, released on the Norwegian coast. Journal of Fish Biology 30: 713-721.
Hansen, L P., Håstein, T., Nævdal, G., Saunders, R. L. & Thorpe, J. E. (red) 1991. Interactions between cultured and wild Atlantic salmon. Aquaculture 98: 1-324.
Heggberget, T.G., Hvidsten, N.A., Gunnerød, T.B. & Møkkelgjerd, P.I. 1991. Distribution of adult recaptures from hatchery-reared Atlantic salmon (*Salmo salar*) smolts released in and off-shore of the River Surna, western Norway. Aquaculture 98: 89-96.
Heggberget, T.G., Økland, F. & Ugedal, O. 1993. Distribution and migratory behaviour of adult wild and farmed Atlantic salmon (*Salmo salar*) during return migration. Aquaculture 118: 73-83.
Heggberget, T.G., Økland, F. & Ugedal, O. 1996. Prespawning migratory behaviour of wild and farmed Atlantic salmon, *Salmo salar* L., in a north Norwegian river. Aquaculture Research 27: 313-322.
Hindar, K., and Balstad, T. 1994. Salmonid culture and interspecific hybridization. Conservation Biology, 8: 881-882.
Hindar, K. & Diserud, O. 2007. Sårbarhetsvurdering av ville laksebestander overfor rømt oppdrettslaks. – *NINA Rapport* 244: 1-45.
Hindar, K., Fleming, I. A., McGinnity, P., & Diserud, O. 2006. Genetic and ecological effects of salmon farming on wild salmon: modelling from experimental results. *ICES J. Mar. Sci.* 63: 1234-1247.
Hindar, K., Ryman, N., & Utter, F. 1991. Genetic effects of cultured fish on natural fish populations. *Canadian Journal of Fisheries and Aquatic Sciences*, 48: 945-957.
Houde, A.L.S., Fraser, D.J. & Hutchings, J.A. (2010) Reduced anti-predator responses in multi-generational hybrids of farmed and wild Atlantic salmon (Salmo salar L.). *Conservation Genetics,* 11, 785-794.

Houston RD, Haley CS, Hamilton A, Guy DR, Tinch AE, Taggard JB, McAndrew BJ, Bishop SC (2008) Major quantitative trait loci affect resistance to infectious pancreatic necrosis in Atlantic salmon (*Salmo salar*). Genetics 178:1109-1115.

Hutchings, J.A. 1991. The threat of extinction to native populations experiencing spawning intrusions by cultured Atlantic salmon. Aquaculture 98: 119 – 132.

Hutchinson, P. (red.) 1997. Interactions between salmon culture and wild stocks of Atlantic salmon: The scientific and management issues. ICES Journal of Marine Science 54: 963-1225.

Hutchinson, P. (red.) 2006. Interactions between aquaculture and wild stocks of Atlantic salmon and other diadromous fish species: Science and management, challenges and solutions. ICES Journal of Marine Science 63: 1159-1371.

Johnsen, B. O. & Jensen, A. J. 1991. The *Gyrodactylus* story in Norway. Aquaculture 98: 289-302.

Johnsen, B.O., Jensen, A.J., Økland, F., Lamberg, A. & Thorstad, E.B. 1998. The use of radiotelemetry for identifying migratory behaviour in wild and farmed Atlantic salmon ascending the Suldalslågen River in Southern Norway. In: Fish migration and fish bypasses (Jungwirth, M., Schmutz, S. & Weiss, S., red.), s. 55-68. Fishing New Books, Oxford.

Johnsson, J.I., Höjesjö, J. & Fleming, I.A. (2001) Behavioural and heart rate response to predation risk in wild and domesticated Atlantic salmon. Canadian Journal of Fisheries and Aquatic Sciences, 58, 788–794.

Johnsson, J.I., Petersson, E., Jönsson, E., Björnsson, B.Th. & Järvi, T. (1996) Domestication and growth hormone alter antipredator behaviour and growth patterns in juvenile brown trout. *Salmo trutta*. Canadian Journal of Fisheries and Aquatic Sciences, 53, 1546–1554.

Johnsson, J.I.; Björnsson, B.Th., 1994. Growth hormone increases growth rate, appetite and dominance in juvenile rainbow trout, *Oncorhynchus mykiss*. Animal Behaviour, 48, 177–186.

Jönsson E., Johnsson J.I. & Björnsson, B.Th. (1996) Growth hormone increases predation exposure of rainbow trout. Proceedings of the Royal Society of London, Series B, 263, 647–651.

Jonsson, B. 1997. A review of ecological and behavioural interactions between cultured and wild Atlantic salmon. ICES Journal of Marine Science 54: 1031-1039.

Jonsson, B., Jonsson, N. & Hansen, L.P. 2003. Salmon straying from the River Imsa. Journal of Fish Biology 62: 641-657.

Jonsson, N., Hansen, L. P. & Jonsson, B. 1991. Variation in age, size and repeat spawning of adult Atlantic salmon in relation to river discharge. *J. Anim. Ecol.* 60: 937-947.

Jonsson, N., Jonsson, B., & Hansen, L. P. 1998. The relative role of density-dependent and density-independent survival in the life cycle of Atlantic salmon *Salmo salar*. *Journal of Animal Ecology*, 67: 751-762.

Karlsson S, Moen T, Hindar K (2010) Contrasting patterns of gene diversity between microsatellite and mitochondrial SNPs in farm and wild Atlantic salmon. Conserv Genet 11: 571-582

Karlsson S, Moen T, Lien S, Glover K, Hindar K (2011) Generic genetic differences between farmed and wild Atlantic salmon identified from a 7K SNP-chip. Molecular Ecology Resources 11, Suppl 1: 247-253.

Kuparinen A, Tufto J, Consuegra S, Hindar K, Merilä J, Garcia de Leaniz C (2010) Effective size of an Atlantic salmon (Salmo salar L.) metapopulation in Northern Spain. Conserv Genet 11: 1559-1565.

Lund, R. A., & Hansen, L. P. 1991. Identification of wild and reared Atlantic salmon, Salmo salar L., using scale characters. Aquaculture and Fisheries Management, 22: 499-508.

Lund, R. A., Hansen, L. P., & Järvi, T. 1989. Identifisering av oppdrettslaks og villlaks ved ytre morfologi, finnestørrelse og skjellkarakterer. NINA Forskningsrapport, 001: 1-54.

Lura, H. 1995. Domesticated female Atlantic salmon in the wild: spawning success and contribution to local populations. Dr. scient. avhandling, Universitetet i Bergen.

Lura, H., & Sægrov, H. 1991. Documentation of successful spawning of escaped farmed female Atlantic salmon, *Salmo salar*, in Norwegian rivers. *Aquaculture*, 98: 151-159.

McGinnity P, de Eyto E, Cross TF, Coughlan J, Whelan K, Ferguson A (2007) Population specific smolt development, migration and maturity schedules in Atlantic salmon in a natural river environment. Aquaculture 273: 257-268

McGinnity, P., Jennings, E., deEyto, E. et al. 2009. Impact of naturally spawning captive-bred Atlantic salmon on wild populations: depressed recruitment and increased risk of climate-mediated extinction. Proc. R. Soc. B doi: 10.1098/rspb.2009.0799

McGinnity, P., Prodohl, P., Ferguson, K., Hynes, R., O'Maoileidigh, N., Baker, N., Cotter, D., O'Hea, B., Cooke, D., Rogan, G., Taggart, J. & Cross, T. (2003) Fitness reduction and potential extinction of wild populations of Atlantic salmon, *Salmo salar*, as a result of interactions with escaped farm salmon. *Proceedings of the Royal Society of London Series B-Biological Sciences,* 270, 2443-2450.

McGinnity, P., Stone, C., Taggart, J.B., Cooke, D., Cotter, D., Hynes, R., McCamley, C., Cross, T. & Ferguson, A. (1997) Genetic impact of escaped farmed Atlantic salmon (Salmo salar L.) on native populations: use of DNA profiling to assess freshwater performance of wild, farmed, and hybrid progeny in a natural river environment. *ICES Journal of Marine Science,* 54, 998-1008.

McKinnell, S., Thomson, A.J., Black, E.A, Wing, B.L., Guthrie, C.M., Koerner, J.F. & Helle, J.H. 1997. Atlantic salmon in the North Pacific. Aquaculture Research 28: 145-157.

Mjølnerød IB, Refseth UH, Karlsen E, Balstad T, Jakobsen KS, Hindar K (1997) Genetic differences between two wild and one farmed population of Atlantic salmon (*Salmo salar*) revealed by three classes of genetic markers. Hereditas 127:239–248

Moen T, Baranski M, Sonesson AK, Kjøglum S (2009) Confirmation and finemapping of a major QTL for resistance to infectious pancreatic necrosis in Atlantic salmon (*Salmo salar*): population-level associations between markers and trait. BMC Genomics 10: 368

Mork, J., Bentsen, H.B., Hindar, K. & Skaala, Ø. 1999. Genetiske interaksjoner mellom oppdrettslaks og vill laks, s. 181-200 i Til laks åt alle kan ingen gjera? Norges offentlige utredninger 1999:9, Statens forvaltningstjeneste, Oslo.

Myers, R. A., Levin, S. A., Lande, R., James, F. C., Murdoch, W. W., & Paine, R. T. 2004. Hatcheries and endangered salmon. *Science*, 303: 1980.

Narum SR, Banks M, Beacham TD, Bellinger MR, Campbell MR, Dekoning J, Elz A, Guthrie, III CM, Kozfkay C, Miller KM, Moran P, Phillips R, Seeb LW, Smith CT, Warheit K, Young SF, Garza JC (2008) Differentiating salmon populations at broad and fine geographical scales with microsatellites and single nucleotide polymorphisms. Molec Ecol 17: 3464-3477.

Naylor, R., Hindar, K., Fleming, I.A., Goldburg, R., Williams, S., Volpe, J. Whoriskey, F., Eagle, J., Kelso, D. & Mangel, M. 2005. Fugitive salmon: assessing risks of escaped fish from aquaculture. BioScience 55: 427-437.

Nislow, K.H., Einum, S. & Folt, C.L. (2004) Testing predictions of the critical period for survival concept using experiments with stocked Atlantic salmon. pp. 188-200. Blackwell Publishing.

Norris AT, Bradley DG, Cunnigham EP (1999) Microsatellite genetic variation between and within farmed and wild Atlantic salmon (*Salmo salar*) populations. Aquaculture 180:247–264

NOU, 1999. *Til laks åt alle kan ingen gjera?* Norges offentlige utredninger 1999:9, Statens forvaltningstjeneste, Oslo.

Økland F., Heggberget T.G. & Jonsson B. 1995. Migratory behaviour of wild and farmed Atlantic salmon (*Salmo salar*) during spawning. Journal of Fish Biology 46: 1-7.

Olsen, R.E. & Skilbrei, O.T. 2010. Feeding preferences of recaptured Atlantic salmon *Salmo salar* following simulated escape from fish pens during autumn. Aquaculture Environment Interactions 1: 167-174.

Perrier C, Evanno G, Belliard J, Guyomard R, Bagliniére JL (2010) Natural recolonization of the Seine River by Atlantic salmon (*Salmo salar*) of multiple origins. Can J Fish Aquat Sci 67: 1-4.

Prévost, E., & Chaput, G. (red.). 2001. Stock, recruitment and reference points – Assessment and management of Atlantic salmon. Hydrobiologie et aquaculture, INRA, Paris. 223 s.

Roberge, C., Einum, S., Guderley, H., & Bernatchez, L. 2006. Rapid parallel evolutionary changes of gene transcription profiles in farmed Atlantic salmon. Molecular Ecology 15: 9-20.

Roberge, C., Normandeau, E., Einum, S., Guderley, H. & Bernatchez, L. (2008) Genetic consequences of interbreeding between farmed and wild Atlantic salmon: insights from the transcriptome. Molecular Ecology, 17**,** 314-324.

Ryman, N. 1981. (red.) Fish Gene Pools. Preservation of Genetic Resources in Relation to Wild Fish Stocks. Ecological Bulletins (Stockholm) 34: 1-111.

Ryman, N. 1991. Conservation genetics considerations in fishery management. Journal of Fish Biology 39 (Suppl. A): 211-224.

Ryman, N., Utter, F. & Hindar, K. 1995. Introgression, supportive breeding, and genetic conservation, s. 341-365. – *I* J. D. Ballou, M. Gilpin & T. J. Foose (red.) *Population Management for Survival and Recovery: Analytical Methods and Strategies in Small Population Conservation*. Columbia University Press, New York.

Sægrov, H. & Urdal, K. 2006. Rømt oppdrettslaks i sjø og elv; mengd og opphav. Rådgivende Biologer Rapport 947: 21 s.

Sægrov, H. Hindar, K., Kålås, S. & Lura, H. 1997. Escaped farmed Atlantic salmon replace the original salmon stock in the River Vosso, western Norway. ICES Journal of Marine Science, 54, 1166–1172.

Shepherd, J. G. 1982. A versatile new stock-recruitment relationship for fisheries and construction of sustainable yield curves. J. Cons. int. Explor. Mer 40: 65-75.

Skaala Ø, Høyheim B, Glover K, Dahle G (2004) Microsatellite analysis in domesticated and wild Atlantic salmon (*Salmo salar* L.) allelic diversity and identification of individuals. Aquaculture 240: 131–143

Skaala Ø, Taggart JB, Gunnes K (2005) Genetic differences between five major domesticated strains of Atlantic salmon and wild salmon. J Fish Biol 67:118–128

Skaala Ø, Wennevik V, Glover KA (2006) Evidence of temporal genetic change in wild Atlantic salmon, *Salmo salar* L., populations affected by farm escapees. ICES J Mar Sci 63:1224–1233

Skilbrei , O.T. 2010a. Adult recaptures of farmed Atlantic salmon post-smolts allowed to escape during summer. Aquaculture Environment Interactions 1: 147-153.

Skilbrei , O.T. 2010b. Recapture of cultured salmon following a large-scale escape experiment. Aquaculture Environment Interactions 1: 107-115.

Skilbrei , O.T. 2010c. Reduced migratory performance of farmed Atlantic salmon post-smolts from a simulated escape during autumn. Aquaculture Environment Interactions 1: 117-125.

Skilbrei, O. T., Holst, J. C., Asplin, L., and Holm, M. 2009. Vertical movements of "escaped" farmed Atlantic salmon (*Salmo salar* L.) - a simulation study in a western Norwegian fjord. ICES Journal of Marine Science 66: 278-288.

Skilbrei, O.T., Holst, J.C., Asplin, L. & Mortensen, S. 2010. Horizontal movements of simulated escaped farmed Atlantic salmon (*Salmo salar*) in a western Norwegian fjord. ICES Journal of Marine Science 67: 1206-1215.

Skilbrei, O.T., Johnsen, B.O., Heggberget, T.G., Krokan, P.S., Aarset, B., Sagen, T. & Holm, M. 1998. Havbeite med laks - artsrapport. Norges Forskningsråd, 72 s.

Solem, Ø., O. K. Berg & A. J. Kjøsnes. 2006. Inter- and intra-population morphological differences between wild and farmed Atlantic salmon juveniles. *J. Fish Biol.* 69: 1466-1481.

Stabell, O. B. 1984. Homing and olfaction in salmonids: a critical review with special reference to the Atlantic salmon. *Biol. Rev. 59:* 333-388.

Strand JET, Johnsen HK, Arnesen AM (2007) Comparison of parr-smolt transformation in hatchery reared offspring of one domesticated and two wild populations of Atlantic salmon (Salmo salar L.) Aquaculture 273: 250-256

Ståhl, G. & K. Hindar. 1988. Genetisk struktur hos norsk laks: status og perspektiver. *Rapp. 1-1988, Fiskeforskningen, Direktoratet for naturforvaltning, Trondheim,* 57 s.

Ståhl, G. 1987. Genetic population structure of Atlantic salmon, s. 121-140 i N. Ryman & F. Utter (red.). *Population Genetics and Fishery Management*. University of Washington Press, Seattle, WA.

Sutterlin, A.M., Holder, J. & Benfey, T.J. (1987) Early survival rates and subsequent morphological abnormalities in landlocked, anadromous and hybrid (landlocked x anadromous) diploid and triploid Atlantic salmon. *Aquaculture,* 64, 157-164.

Sutterlin, A.M., Saunders, R.L., Henderson, E.B. & Harmon, P.R. 1982. The homing of Atlantic salmon (*Salmo salar*) to a marine site. Canadian Technical Report of Fisheries and Aquatic Sciences 1058: 1-6.

Taggart, J.B., McLaren, I.S., Hay, D.W., Webb, J.H. & Youngson, A.F. (2001) Spawning success in Atlantic salmon (Salmo salar L.): a long-term DNA profiling-based study conducted in a natural stream. *Molecular Ecology,* 10, 1047-1060.

Thodesen J, Grisdale-Helland B, Helland SJ, Gjerde B (1999) Feed intake, growth and feed utilization of offspring from wild and selected Atlantic salmon (*Salmo salar*). Aquaculture, 180, 237–246.

Thorstad, E.B., Heggberget, T.G. & Økland, F. 1998. Migratory behaviour of adult wild and escaped farmed Atlantic salmon, *Salmo salar* L., before, during and after spawning in a Norwegian river. Aquaculture Research 29: 419-428.

Tufto, J. 2001. Effects of releasing maladapted individuals: A demographic-evolutionary model. American Naturalist 158: 331-340.

Tufto, J., & Hindar, K. 2003. Effective size in management and conservation of subdivided populations. Journal of Theoretical Biology 222: 273-281.

Vasemägi A, Gross R, Paaver T, Kangus M, Nilsson M, Eriksson L-O (2001) Identification of the origin of an Atlantic salmon (Salmo salar L.) population in a recently recolonized river in the Baltic Sea. Molec Ecol 10: 2877-2882

Verspoor E (1997) Genetic diversity among Atlantic salmon (*Salmo salar* L.) populations. ICES J Mar Sci 54: 965-973

Verspoor E, Beardmore JA, Consuegra S, García de Leániz C, Hindar K et al. (2005) Population structure in the Atlantic salmon: insights from 40 years of research into genetic protein variation. J Fish Biol Suppl A 67: 3-54

Verspoor, E., Stradmeyer, L. & Nielsen, J.L. (eds). 2007 *The Atlantic salmon; Genetics, Conservation and Management*. Blackwell. Oxford. 500 pp.

Vähä, J.-P., Erkinaro, J., Niemelä, E. & Primmer, C.R. 2008. Temporally stable genetic structure and low migration in an Atlantic salmon population complex: implications for conservation and management. Evolutionary Applications 1: 137-154.

Walters, C. & Korman, J. 2001. Analysis of stock-recruitment data for deriving escapement reference points. Chapter 2, pp 67-94 i Prévost & Chaput 2001 (red.)

Waples, R.S. 1991. Genetic interactions between hatchery and wild salmonids: lessons from the Pacific Northwest. Canadian Journal of Fisheries and Aquatic Sciences, 48 (Suppl. 1): 124-133.

Weir, L. K., Hutchings, J. A., Fleming, I. A., and Einum, S. 2004. Dominance relationships and behavioural correlates of individual spawning success in farmed and wild male Atlantic salmon, *Salmo salar*. Journal of Animal Ecology, 73: 1069-1079.

Weir, L. K., Hutchings, J. A., Fleming, I. A., & Einum, S. 2005. Spawning behaviour and success of mature male Atlantic salmon (*Salmo salar*) parr of farmed and wild origin. *Canadian Journal of Fisheries and Aquatic Sciences*, 62: 1153-1160.

Weir, L.K & I.A. Fleming. 2006. Behavioural Interactions Between Farm and Wild Salmon: Potential for Effects on Wild Populations. Fisheries and Oceans Canada 2006. A Scientific Review of the Potential Environmental Effects of Aquaculture in Aquatic Ecosystems. Volume V. Can. Tech. Rep. Fish. Aquat. Sci. 2450. http://www.dfo-mpo.gc.ca/science/enviro/aquaculture/sok-edc/volume5/index-eng.htm.

Wennevik V, Skaala Ø, Titov SF, Studyonov I, Nævdal G (2004) Microsatellite variation in populations of Atlantic salmon from North Europe. Environ Biol Fish 69: 143-152.

Whoriskey, F.G., Brooking, P., Doucette, G., Tinker, S. & Carr, J.W. 2006. Movements and survival of sonically tagged farmed Atlantic salmon released in Cobscook Bay, Maine, USA. ICES Journal of Marine Science 63: 1218-1223.

Youngson, A.F., Martin, S.A.M., Jordan, W.C. & Verspoor, E. 1991. Genetic protein variation in Atlantic salmon in Scotland: comparison of wild and farmed fish. Aquaculture 98; 231–242.

Youngson, A. F., Webb, J. H., Thompson, C. E., and Knox, D. 1993. Spawning of escaped farmed Atlantic salmon (*Salmo salar*): hybridisation of females with brown trout (*Salmo trutta*). Canadian Journal of Fisheries and Aquatic Sciences, 50: 1986-1990.