

International Council for the
Exploration of the Sea



C.M.1991/M:37

LIST OF PUBLICATIONS RELATED TO THE INTEREST OF THE
ANADROMOUS AND CATADROMOUS FISH COMMITTEE

1990

by

D. G. Reddin

Key to Contributing Countries

<u>Key</u>	<u>Country</u>
(B)	Belgium
(C)	Canada
(D)	Denmark
(F)	Faroes
(FRG)	Federal Republic of Germany
(FIN)	Finland
(FRA)	France
(IC)	Iceland
(IR)	Ireland
(NE)	Netherlands
(NO)	Norway
(P)	Poland
(S)	Sweden
(EW)	United Kingdom - England and Wales
(NI)	United Kingdom - Northern Ireland
(SC)	United Kingdom - Scotland
(USA)	United States of America
(USSR)	Union of Soviet Socialist Republics

Adams, C. E. and J. E. Thorpe. 1989. Photoperiod and temperature effects on early development and reproductive investment in Atlantic salmon (Salmo salar L.) Aquaculture 79: 403-409. (SC)

Ahne, W., K. Anders, M. Halder, and M. Yoshimizu. 1990. Isolation of picornavirus-like particles from the European smelt (Osmerus eperlanus). J. Fish Dis. 13: 167-168. (FRG)

Allen, J. L. 1990. Residues of Malachite Green in Muscle, Eggs, and Fry of Treated Atlantic Salmon and Chinook Salmon. U.S. Fish Wildl. Serv., Invest. Fish Control 101, 4 p. Available from U.S. Fish & Wildl. Serv., Publ. Unit, 1849 C St., N.W., Arlington Square Bldg., Washington, DC 20240. (U.S. Fish & Wildl. Serv. Natl. Fish Res. Cent., P.O. Box 818, LaCrosse, WI 54602) Salmo salar and Oncorhynchus tshawytscha. (USA)

Amiro, P. G. 1990. Accuracy of removal population estimates of juvenile Atlantic salmon electric fished in wadeable streams. In Developments in Electric Fishing, Fishing News Books, Cambridge University Press: 186-190. (C)

Amiro, P. G. 1990. Evaluation of some electrofishing capture techniques used to estimate populations of juvenile Atlantic salmon in enclosed areas of streams. In Developments in Electric Fishing, Fishing News Books, Cambridge University Press: 174-185. (C)

Amiro, P. G. 1990. Recruitment variation in Atlantic salmon stocks of the inner Bay of Fundy. CAFSAC Res. Doc. 90/41. 26 p. (C)

Amiro, P. G. 1990. Status of Atlantic salmon of Grand River, Richmond Co., N.S., 1988. CAFSAC Res. Doc. 90/3. 18 p. (C)

Amiro, P. G. 1990. Status of Atlantic salmon of the Stewiacke River, 1989. CAFSAC Res. Doc. 90/6. 22 p. (C)

Amiro, P. G. 1990. Variations in juvenile Atlantic salmon population densities between consecutive enclosed sections of streams. In Developments in Electric Fishing, Fishing News Books, Cambridge University Press: 96-101. (C)

Amiro, P. G., and T. L. Marshall. 1990. The Atlantic salmon resource of the North River, Victoria County, N.S., to 1984. Can. MS Rep. Fish. Aquat. Sci. 2075. 34 p. (C)

Anderson, J. M. 1989. Scientific data base for recreational fisheries. Proc. from the National Recreational Fisheries Conf., DFO, Ottawa, held in Fredericton, N. B. November 6-9, 1989: 45-52. (C)

Anon. 1990. Fordrojd utsattning and fredningsomrade - raddningen for laxen och laxfisket in Ostersjoomradet. (In Swedish with English summary). Report from the reference group for the project "Vidareutveckling av fordrojd utsattning av lax i Ostersjon". (S)

- Anttinen, P., V. Pruuki and Ö. Karlström . 1988. Tornionjoen vesistön meritaimenkantojen nykytila ja elvyttäminen. (Present state and improvement of sea trout stocks of the Tornionjoki River basin.). Tornionlaakson neuvosto. Tornedalsrådet. p. 19. (In Finnish) (FIN)
- Anttonen, H. Merikarvianjoestako lohijoki. (Can the Merikarvianjoki become a salmon river?). Urheilukalastus 6: 66-69. (In Finnish) (FIN)
- Arnfinnsson, J. and V. Johannsson. 1990. Production in Icelandic Fish Farming in 1989, Inst. of Freshwater Fisheries Report VMST-R/90018. (IC)
- Bagliniere, E. et D. Ombredane. 1990. Choix et fiabilité d'un modèle de rétrocalcul des tailles en écologie halieutique. Mise au point d'un logiciel informatique. Bull. Fr. d'un logiciel informatique. Bull. Fr. Piscic., 319 Spécial colloque (sous presse). (FRA)
- Bagliniere, J. L., G. Maisse, and A. Nihouarn. 1990. Migratory and reproductive behaviour of female adult Atlantic salmon (Salmo salar L.) in a spawning stream. J. Fish. Biol. 36: 511-520. (FRA)
- Bagliniere, J. L., M. Thibault et J. Dumas. 1990. Réintroductions et soutiens d'effectifs de populations de saumon Atlantique (Salmo salar) en France. Rev. Ecol. (Terre et Vie), Suppl. 5: 255-279. (FRA)
- Bailey, J. K. and G. W. Friars. 1990. Mixing genes for improved returns. ASF in Action, Atlantic Salmon Journal, summer 1990: 8. (C)
- Bakke, T. A., P. A. Jansen, and L. P. Hansen. 1990. Differences in the host resistance of Atlantic salmon (Salmo salar) stocks to the monogenean Gyrodactylus salaris Malmberg, 1957. J. Fish Biol. 37: 577-587. (NO)
- Bakke, T. A., P. Jansen, and L. P. Hansen. 1990. Forskjell i resistens mot Gyrodactylus salaris mellom Østersjølaks og Øst-Atlantisk laks. NINA Oppdragsmelding 43: 1-10. (NO)
- Barak, N.A.E. and C. F. Mason. 1990. Mercury, cadmium and lead in eels and roach: the effects of size, season and locality on metal concentrations in flesh and liver. The Science of the Total Environment 92: 249-56. (EW)
- Bartel, R. and S. Bontemps. 1989. Downstream migration of sea trout smolts (Salmo trutta L.) over the dam at Wloclawek on the Vistula River. Roczn. Nauk. PZW 2: 7-14. (In Polish, English and Russian summary) (P)
- Bartel, R. and Z. Zielinski. 1989. Report on Salmon management in Poland in 1987. Inland Fisheries Institute. (In Polish mimeo) (P)
- Bates, R. M. and C. R. Kennedy. 1990. Interactions between the acanthocephalans Pomphorhynchus laevis and Acanthocephalus anguillae in rainbow trout: testing an exclusion hypothesis. Parasitology 100: 435-444. (EW)

- Beall, E. and C. Marty. 1989. Dispersal patterns of Atlantic salmon fry at emergence under different conditions of stocking densities. Early Life History Symposium, ICES meeting Bergen, 3-5 Oct. 1988. Rapp. P.V. Réun. Cons. Int. Explor. Mer 191: 447. (FRA)
- Beall, E., C. Marty et M. Heland. 1991. Production de juvéniles de salmonidés pour le repeuplement dans le chenal de frai du Lapitxuri: bilan 1981-1988. Rapport final contrat de plan Aquaculture, Salmonidés migrants, Station d'Hydrobiologie INRA, St. Pée, 29 pp. + annexes. (FRA)
- Beall, E., M. Heland and C. Marty. 1989. Interspecific relationship between emerging Atlantic salmon (Salmo salar) and Coho salmon (Oncorhynchus kisutch), juveniles. J. Fish Biol. 35: 285-293. (FRA)
- Bez, N. 1990. La population d'anguille européenne (Anguilla anguilla) du réseau hydrographique du Scorff (Morbihan) de 1972 à 1981. DEA, option halieutique, ENSAR. 40 p. (FRA)
- Boëtius, I., C. Gelin, R. Fordham, K. O. Wahlström. 1990. Alens Eggande och okläckta gator. (D)
- Boisneau, P. 1990. Migration, répartition, reproduction et taxonomie des aloses (Alosa sp.) dans le bassin de la Loire. Thèse Univ., Sciences et Techniques de l'Environnement, Univ. Paris XII. 104 p. (FRA)
- Boisneau, P., C. Mennesson-Boisneau et J. L. Bagliniere. 1990. Description d'une frayère et comportement de reproduction de la Grande Alose (Alosa alosa L.) dans le cours supérieur de la Loire. Bull. Fr. Piscic., 316: 15-23. (FRA)
- Borzecka, I., E. Ikonen and I. Torvi. 1990. Attempts of using the discriminant function based on scale structure of Baltic salmon to distinguish between the wild and hatchery reared smolts. ICES C.M. 1990/M:21. (P)
- Boudreau, P. R., and S. R. Kerr. 1990. Decision-making model for assessment of habitat production capacity. CAFSAC Res. Doc. 90/90. 14 p. (C)
- Bourgeois, C. E. 1990. A history of the Exploits River watershed development; hydroelectricity and fisheries in Newfoundland, 1909-90: 469-483. In Collection environnement et Géologie, Volume 9, Canadian Society of Environmental Biologists. (C)
- Brown, J. A. 1990. Single neuron function in fish. The Physiologist 33: A23. (EW)
- Brown, J. A. and C. S. Cobb. 1990. Angiotensin II binding/uptake in tissues of the rainbow trout (Salmo gairdneri). The Physiologist 33: A94. (EW)
- Brown, J. A., J. C. Gray and S. M. Taylor. 1990. Direct effects of angiotensin II on glomerular ultrastructure in the rainbow trout (Salmo gairdneri). Cell Tissue Res. 260: 315-319. (EW)

- Brown, J. A., J. C. Gray and S. M. Taylor. 1990. The renin-angiotensin system and glomerular function of teleost fish. In *Progress in Clinical and Biological Research* 342, *Progress in Comparative Endocrinology*. A. Epple, C. G. Scanes and M. H. Stetson (eds.), pp. 528-534. John Wiley & Sons NY. (EW)
- Brown, J. A., S. M. Taylor and J. C. Gray. 1990. Glomerular receptors for angiotensin II in the rainbow trout (Salmo gairdneri). *Cell Tissue Res* 259: 479-482. (EW)
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- Bush, A. O., J. M. Aho and C. R. Kennedy. 1990. Ecological versus phylogenetic determinants of helminth parasite community richness. *Evolutionary Ecology* 4: 1-20. (EW)
- Cameron, J. D. 1990. Assessment of Atlantic salmon (Salmo salar L.) habitat in the Sackville River, N. S., 1986. *Can. MS Rep. Fish. Aquat. Sci.* 2059. 39 p. (C)
- Chadwick, E.M.P. and R. R. Claytor. 1990. Predictability in a small commercial Atlantic salmon fishery in Western Newfoundland. *Fish. Res.* 10: 15-27. (C)
- Chaput, G. J. and C. H. LeBlanc. 1990. Assessment of the Margaree gaspereau fishery, 1989. CAFSAC Research Document 90/33. (C)
- Chaput, G. J. and C. H. LeBlanc. 1990. Evaluation of the 1989 gaspereau fishery (Alosa aestivalis and A. pseudoharengus) from the Miramichi River, New Brunswick. CAFSAC Research Document 90/32. (C)
- Chaput, G. J. and R. G. Randall. 1990. Striped bass (Morone saxatilis) from the Gulf of St. Lawrence. CAFSAC Research Document 90/71. (C)
- Charlot, Y. 1990. Répartition et dispersion des jeunes stades de saumon Atlantique (Salmo salar L.) dans différentes conditions environnementales. DEA, Ecologie expérimentale, Univ. Pau et Pays de l'Adour. 36 p. (FRA)
- Chiasson, A. G., R. J. Gibson and S. Bastien-Daigle. In press. A review and annotated bibliography of potential salmonid competitors of Atlantic salmon (Salmo salar) in New Brunswick. *Can. Tech. Rep. Fish. Aquat. Sci.* 1610. (C)
- Claireaux, D. 1989. Etude de la dispersion et de la sédentarisation d'alevins de saumon Atlantique (Salmo salar), dans un ruisseau du Pays Basque: Le Lapitxuri. Rapport DEA, Ecol. Expérimentale, Univ. Pau et Pays de l'Adour. 29 p. (FRA)
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- Claytor, R. R. and C. C. Mullins. 1990. Status of Atlantic salmon stocks, Gulf Region Newfoundland and Labrador, 1989. CAFSA Research Document 90/22. (C)
- Claytor, R. R. and R. Jones. 1990. Assessment of Atlantic salmon, (Salmo salar), in the Margaree River, 1989. CAFSAC Research Document 90/27. (C)
- Claytor, R. R. and S. F. O'Neil. 1990. Interpreting Atlantic salmon (Salmo salar) angling statistics on the Margaree River, Nova Scotia. CAFSAC Research Document 90/24. (C)
- Cloud, J. G. 1990. Strategies for Introducing Foreign DNA into the Germ Line of Fish. J. Reprod. Fertil. Suppl. 41: 107-116. (Dep. Biol. Sci., Univ. Idaho Aquacult. Program, Univ. Idaho, Moscow 83843) Carassius auratus, Oncorhynchus mykiss, Oryzias latipes, Ictalurus punctatus, Tilapia nilotica, Salmo salar, and Brachydanio rerio. (USA)
- Coady, L. W., P. M. Ryan, J. F. Payne and J. W. Kiceniuk. 1990. Newfoundland Region report to the 1989 DFO workshop on long-range transport of air pollutants (LRTAP): 42-50. In G. Walsh [ed.] 1989 Workshop - Long-Range Transport Atmospheric Pollutants (LRTAP) - Summary Report. Department of Fisheries and Oceans. 161 p. (C)
- Crisp, D. T. 1990. Simplified methods of estimating daily mean stream water temperature. Freshwater Biology 23: 457-462. (EW)
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- Crisp, D. T. 1990. Water temperature in a stream gravel bed and implications for salmonid incubation. Freshwater Biology 23: 601-612. (EW)
- Crozier, W. W. 1990. DANI Freshwater and Environmental Research. The Ulster Angler 10: 5-6. (NI)
- Crozier, W. W. 1990. Homewater exploitation rates on microtagged salmon returning to the R. Bush in 1989. ICES CM 1990/M:19. (NI)
- Crozier, W. W. 1990. Report on the Workshop on the Effects of Restocking and Cage Escapees on Resident Wild Salmon Stocks, held at Sherkin Island Marine Station, Cork, 23-25 May, 1990. Sherkin Comment 6: 13-25. (NI)
- Crozier, W. W. and I.J.J. Moffett. 1990. Inheritance of allozymes in Atlantic Salmon (Salmo salar L.). Aquaculture 88: 253-262. (NI)
- Cunjak, R. A., R. L. Saunders and E.M.P. Chadwick. 1990. Seasonal variations in the smolt characteristics of juvenile Atlantic salmon (Salmo salar) from estuarine and riverine environments. Can. J. Fish. Aquat. Sci. 47: 813-820. (C)
- Czeczuga, B. and R. Bartel. 1989. Studies on carotenoids in spawning Salmo trutta morpha lacustris L. Acta Ichthyol. Pisc. XIX(1): 49-58. (P)

- Dempson, J. B. 1989. Assessment of the Atlantic salmon population of Conne River, Newfoundland, in 1989. CAFSAC Res. Doc. 89/76. 26 p. (C)
- Dempson, J. B. 1990. Assessment of the Nain stock unit Arctic charr population in 1989. CAFSAC Res. Doc. 90/20. 29 p. (C)
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- Dickhoff, W. W., C.V.M. Mahnken, W. S. Zaugg, F. W. Waknitz, M. G. Bernard and C. V. Sullivan. 1989. Effects of Temperature and Feeding on Smolting and Seawater Survival of Atlantic Salmon (Salmo salar). Aquaculture 82(1-4): 93-102. (USA)
- Dulude, P. et J. Pustelnik. 1990. Restauration des poissons migrateurs dans les rivières Dordogne (France) et Jacques Cartier (Québec). Bilan comparatif des méthodologies, des réalisations et des résultats obtenus. Rapport de mission. 61 p. (FRA)
- Dunkley, D. A. and W. M. Shearer. 1989. Swimming height of Atlantic salmon, (Salmo salar L.), crossing a Crump weir. Aquaculture and Fisheries Management 20: 193-198. (SC)
- Duston, J. and R. L. Saunders. 1990. Control of the timing of smoltification in Atlantic salmon: endogenous rhythms and environmental factors. In R. L. Saunders (ed.), pp. 99-105. Proc. Canada-Norway Finfish Aquaculture Workshop, Sept. 11-14, 1989, St. Andrews, N. B. Can. Tech. Rep. Fish. Aquat. Sci. 1761. (C)
- Duston, J. and R. L. Saunders. 1990. The entrainment role of photoperiod in hypoosmoregulatory and growth-related aspects of smolting in Atlantic salmon (Salmo salar). Can. J. Zool. 68: 707-715. (C)
- Eddy, F. B., M. R. Ward, C. Talbot and D. Primmatt. 1990. Ionic movements across the chorion in newly shed salmon eggs (Salmo salar L.). Journal of Comparative Physiology B 159: 771-776. (SC)
- Einarsson, S. M., D. H. Mills and V. Johannsson. 1990. Utilisation of fluvial and lacustrine habitat by anadromous Atlantic salmon (Salmo salar L.), in an Icelandic watershed. Fisheries Research 10: 53-71. (SC)
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- Eriksson, C. 1989. Delayed Release of young Baltic salmon (Salmo salar L.) in the Baltic area. Comparative releases of salmon from different salmon river stock. Nordic J. Freshw. Res. 65: 88-98. (S)
- Eriksson, C. 1990. Experimental tagging of young salmon (Salmo salar L.) and sea trout (Salmo trutta L.) with different types of the Carlin-tag. ICES C.M. 1990/M:14. (S)
- Eriksson, J., L. Hardig, L. Norman, and G. Westlund. 1990. ITU SALMO SYSTEM. Test av datorbaserat styrsystem for fiskodling. Laxforskningsinstitutet Info. 2/1990. (S)
- Eskelinen, P. Effects of different diets on egg production and egg quality of Atlantic salmon (Salmo salar L.). Aquaculture 79: 275-281. (FIN)
- Eskelinen, U. Kalanviljely Suomessa vuonna 1985. (Abstract: Fish farming in Finland in 1985.). Suomen Kalatalous 55: 22-25. (FIN)
- Farmer, G. J. 1990. Hatchery rearing practices which optimize the growth and quality of juvenile Atlantic salmon. In Proceedings Stress in Salmonid Aquaculture Workshop, May 22-23, 1990, pp. 23-25. University of New Brunswick, New Brunswick Department of Fisheries and Aquaculture, New Brunswick Research and Productivity Council. (C)
- Farmer, G. J. and D. Ashfield. 1990. Relations among various dissolved substances in the Big Falls headpond, Mersey River, Nova Scotia. Can. Tech. Rep. Fish. Aquat. Sci. No. 1755: v+11 p. (C)
- Farmer, G. J., P. D. Hubley, H. Jansen, J. W. McAskill and G. B. Robbins. 1990. Production of juvenile Atlantic salmon (Salmo salar) at the Mactaquac Accelerated Rearing Facility, New Brunswick, Canada. P. 107-118 In R.L. Saunders (ed.) Proceedings Canada - Norway Finfish Aquaculture Workshop, Sept. 11-14, 1989, St. Andrews, N. B. Can. Tech. Rep. Fish. Aquat. Sci. 1761. (C)
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- Farrell, A. P., J. A. Johansen and R. L. Saunders. 1990. Coronary lesions in Pacific salmon. J. Fish Diseases 13: 97-100. (C)
- Ferrier, R C., T.A.B. Walker, R. Harriman, J. D. Miller and H. A. Anderson. 1990. Hydrological and hydrochemical fluxes through vegetation and soil in the Allt a'Mharcaidh, Western Cairngorms, Scotland - their effect on streamwater quality. Journal of Hydrology 116: 251-266. (SC)
- Fiedler, M. 1990. Die Bedeutung von Makrozoobenthos und Zooplankton der Unterelbe als Fischnahrung. Dissertation, Universität Kiel, 226 S. (FRG)

- Fontenelle, G., D. Gascuel et B. Mounaix. 1989. Caractéristiques d'une pêcherie d'anguilles au verveux dans un petit estuaire (Blavet, France). Working party on Eel, CEC pour les Pêches Intérieures, Porto (Portugal). 10 p. (FRA)
- Garcia De Leaniz, C. and E. Verspoor. 1989. Natural hybridization between Atlantic salmon, (Salmo salar), and brown trout, (Salmo trutta), in northern Spain. *Journal of Fish Biology* 34: 41-46. (SC)
- Garcia De Leaniz, C., E. Verspoor and A. D. Hawkins. 1989. Genetic determination of the contribution of stocked and wild Atlantic salmon, (Salmo salar L.) to the angling fisheries in two Spanish rivers. *Journal of Fish Biology* 34 (Supplement A): 261-270. (SC)
- Gardiner, R. 1989. The graceful grayling. *Salmon, Trout and Sea-trout*, October, 1989: 36-38. (SC)
- Gardiner, R. 1989. Tweed juvenile salmon and trout stocks. Mills, D. ed. *Tweed towards 2000. A symposium on the future management of the Tweed fisheries*. Berwick-upon-Tweed: The Tweed Foundation: 105-114. (SC)
- Gascuel, D. et G. Fontenelle. 1989. Caractéristiques biologiques d'un peuplement estuarien d'anguilles subadultes (estuaire de la Sèvre Niortaise, France). Working party on Eel, CEC pour les Pêches Intérieures, Porto (Portugal). 12 p. (FRA)
- Gislason, G. M. and V. Johannsson. 1990. Effects of food and temperature on the life cycle of *simulium vittatum* zett. (Diptera: Simuliidae) in the river Lax?, N-Iceland, Verh. Int. Verein. Limnol. (In press) (IC)
- Greenstreet, S.P.R. and R.I.G. Morgan. 1989. The effect of ultrasonic tags on the growth rates of Atlantic salmon, (Salmo salar L.) parr of varying size just prior to smolting. *Journal of Fish Biology* 35: 301-309. (SC)
- Grundniewska, J. and T. Grudniewski. 1990. Attempt of restocking of salmon in Polish waters. *Gosp. Ryb.* 42: 1-3, 3-4. (In Polish) (P)
- Gudjonsson, S. 1990. Classification of Icelandic watersheds and rivers to explain life history strategies of Atlantic salmon (Salmo salar L.). Ph.D. thesis, Oregon State University. (IC)
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- Gudjonsson, Th. 1990. Reflections on compensations for Atlantic salmon quota of the Faroe and West Greenland fisheries, Inst. of Freshwater Fisheries Report, VMST-R/90010. (IC)
- Guerault, D. et Y. Desaunay. 1990. Evolution du recrutement de la civelle (Anguilla anguilla) dans l'estuaire de la Loire (France) de 1977 à 1988. *Internationale Revue der Gesamten Hydrobiologie*, 75(3). (FRA)

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- Hamilton, K. E., A. Ferguson, J. B. Taggart, T. Tomasson, A. Walker, and E. Fahy. 1989. Post-glacial colonization of brown trout, (Salmo trutta L.): Ldh-5 as a phylogeographic marker locus. Journal of Fish Biology 35: 651-664. (SC)
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- Hanke, A. R., G. W. Friars, R. L. Saunders and J. M. Terhune. 1990. Family photoperiod interaction on growth in juvenile Atlantic salmon (Salmo salar). Genome 32: 1105-1112. (C)
- Hansen, L. P. 1990. Behaviour of escaped farmed Atlantic salmon and the impact on wild salmon. In: Oliver, P. & E. Colleran (eds.). Interactions between Aquaculture and the environment. An Taisce-The National Trust for Ireland: 50-52. (NO)
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- Hansen, L. P. 1990. Exploitation of Atlantic salmon (Salmo salar) from the River Drammenselv, SE Norway. Fish. Res. 10: 125-135. (NO)
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- Hansen, L. P. 1990. Rømt oppdrettslaks; et problem for naturlige laksestammer? Proc. Nord. Min. Råd Forskerseminar, Torshavn, Faerøylene 12-14 September 1990. 13 p. (NO)
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