

International Council for the
Exploration of the Sea



C.M. 1994/M:2

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

1993

by

Á. Ísaksson

Key to Contributing Countries

(B)	Belgium
(C)	Canada
(D)	Denmark
(F)	Faroe Islands
(FIN)	Finland
(FRA)	France
(G)	Germany
(IC)	Iceland
(IR)	Ireland
(L)	Latvia
(NE)	Netherlands
(NO)	Norway
(P)	Poland
(R)	Russia
(SP)	Spain
(S)	Sweden
(EW)	United Kingdom - England and Wales
(NI)	United Kingdom - Northern Ireland
(SC)	United Kingdom - Scotland
(USA)	United States of America

- Abdallah Houmed, A., 1993. Etude de la qualité des jeunes saumons de repeuplement. Comparaisons entre alevins produits en conditions naturelles et en conditions expérimentales. Rapport de stage de Maitrise Sciences et Techniques, Aménagement et mise en valeur des Régions, Université de Rennes I, Station d'Hydrobiologie INRA, St-Pée-sur Nivelle, 50 pages + annexes. (FRA)
- Ahvonen, A. and E. Ikonen, 1993. The effects of stocking time, area and site and smolt size on the results of Finnish sea trout (Salmo trutta m. trutta) tagging experiments. ICES. Anadromous and Catadromous Fish Committee. C.M. 1993/M:33, Ref. J. 15 p. (FIN)
- Amiro, P. G., 1993. Habitat measurement and population estimation of juvenile Atlantic salmon (Salmo salar). Can. Spec. Publ. of Fish & Aq. Sci. 118, pp. 81-97. (C)
- Amiro, P. G., R. E. Cutting, T. L. Marshall, and S. F. O'Neil, 1993. Status of Atlantic salmon stocks of Scotia-Fundy Region, 1992. DFO Atl. Fish. Res. Doc. 93/13, 16 + ix p. (C)
- Anonyme, 1992. Suivi de l'impact de la prise d'eau du centre de production nucléaire de St-Laurent des Eaux. 8 p. + Annexes. (Convention CSP/DR4 - EDF/CPN, St Laurent des Eaux N° 0655 1 710). (FRA)
- Anonyme, 1992. Reproduction naturelle des grands salmonidés sur le bassin du Gave d'Oloron et de la Nive. Comptage des frayères au cours de l'hiver 1991-1992. Rapport BMI-CSP Aquitaine. (FRA)
- Anonyme, 1993. Plan saumon-Rhin: Propositions d'actions. CSP-DIREN Alsace. 10 p. (document 1992 actualisé). (FRA)
- Anonyme, 1992. Plan Saumon-Rhin: proposition d'actions. Doc. Association Saumon-Rhin. CSP Metz, 16 p. + Annexes. (FRA)
- Anonyme, 1992. Saumon: Objectif Rhin. Plaquette CSP - Ministère de l'Environnement. DIREN Alsace, 5 p. (FRA)
- Anonymous, 1993. Salmon Genetics Research Program Annual Report 1992/93. (C)
- Antonsson, P., G. Guðbergsson and S. Guðjónsson, 1993. Possible Causes of Fluctuation in Stock Size of Atlantic Salmon in Northern Iceland. ICES Statutory Meeting 1993. M:10. (IC)
- Ashfield, D., G.J. Farmer and D.K. MacPhail. 1993. Chemical characteristics of selected rivers in mainland Nova Scotia, 1985. Can. Data Report Fish. & Aquat. Sci. No. 913: v + 15 p. (C)

- Baglinière, J.L., D. Ombredane, L. Siegler, and P. Prunet, 1993. Variabilité de la stratégie démographique des écotypes eau douce et marin de la truite (*Salmo trutta* L.) d'origine naturelle et de repeuplement. Rapport de synthèse sur la caractérisation écophysiologique des juvéniles de truite. Rap. contrat INRA/CSP n°93148. Lab. Ecol. Hydrobiol, INRA Rennes, 13p. (FRA)
- Baglinière, J.L., G. Maisse and A. Nihouarn, 1993. Comparison of two methods of estimating Atlantic salmon (*Salmo salar*) wild smolt production In : Gilson R. J & R.E. Cutting, ed., Production of juvenile Atlantic salmon, *Salmo salar*, in natural waters. Can. Spec. Pub. Fish. Aquat. Sci. 118, 189-201. (FRA)
- Bardonnet, A., 1993. Use of visual landmarks by young trout (*Salmo trutta*) during their diel downstream post-emergence displacement in experimental channels. J. Fish. Biol., 43 : 375-384. (FRA)
- Barracoud, D., 1993. Etude de la qualité des frayères à saumon sur les bassins des Gaves et des Nives. CSP Aquitaine et FDPPMA, Pau, 17 p. + Annexes. (FRA)
- Bartel, R., J. Kopania, Z. Dziurzyński and M. Wypych, 1993. Odlowy troci w Slupi, Wieprzy i Redze w 1990 r. (Catching of sea trout in the Slupia River, the Wieprza River and the Rega River in 1990). Wedkarz Polski 2 (24) 11-13, (in Polish). (P)
- Bartel, R. and M. Parlinska, 1993. Size of sea trout (*Salmo trutta* L.) eggs based on seven investigated Polish rivers. ICES, C.M. 1993/M:15, Ana. Cat. Fish Comm. (P)
- Bartel, R., 1993. Znakowanie ryb w Polsce w 1992r. (Tagging experiments in Poland in 1992). Esox 10/93 (in Polish). (P)
- Bartel, R., 1993. Zarybianie Bałtyku pstragami teczowymi. (Stocking of rainbow trout into the Baltic Sea), Esox 6/93 (in Polish). (P)
- Bartel, R., 1993. Znakowanie ryb w Polsce w 1992r. (Tagging experiments in Poland in 1991). Wiadomosci Wedkarskie 3/93 (in Polish). (P)
- Bartel, R., 1993. Present situation of the Vistula sea trout. Arch. Pol. Fisheries 1,2, 101-111. This publication was presented as ICES paper C.M. 1993/M:17, Ana. Cat. Fish Comm. (P)
- Bartel, R., K. Bieniarz and P. Epler, 1993. Przechodzenie ryb przez turbiny 4 hydroelektrowni na rzece Slupii. (Fish passing through the turbines of 4 hydroelectric plants situated on the Slupia River). Roczniki Nauk. PZW 6, 137-142 (in Polish, English summ.). (P)
- Bartel, R., 1993. Obecna sytuacja troci wiślanej. (Present situation of Vistula sea trout). Przeglad Rybacki 18, 2, 43-49 (in Polish). (P)

- Bartel, R., 1993. Anadromous fishes in Poland. Bull. Sea Fish. Inst. 1 (128), 3
15. (P)
- Bartel, R., B. Bradauskas, E. Ikonen, A. Mitans, W. Borowski, A. Wesolowska, A.
Witkowski and J. Blachuta, 1993. Comparison of length and weight of river
lamprey from Finland, Latvia, Lithuania and Poland. ICES C.M. 1993/M:17,
Ana. Cat. Fish Comm. (P)
- Beall, E. and J. Dumas, 1993. Déterminisme du recrutement des juvéniles chez les
salmonidés migrants. Contrats INRA-Région Aquitaine, Compte-rendu 1990-
1992, 5 pages. (FRA)
- Bieniarz, K., P. Epler and R. Bartel, 1992. Przechodzenie ryb przez turbiny
elektrowni wodnych niektórych rzek pomorskich. (Passing of fish through the
turbines of the hydroelectric plants situated on some Pomeranian rivers). Roczn.
Nauk. PZW 5, 119-124, (in Polish, English summ.). (P)
- Boëtius, I., K.O. Wahlström and C. Galin, 1992: Experimentally induced sexual
maturity in farmed European eel *Anguilla anguilla* (L.). - Irish Fisheries Invest.
SERIES A (Freshwater) 36: 121-125. (D)
- Bohlin, T., C. Dellefors and U. Faremo, 1993. Timing of sea-run brown trout
(*Salmo trutta* L.) smolt migration: effects of climatic variation. Can. J. Fish.
Aquat. Sci. 50:1132-1136. (S)
- Bohlin, T., C. Dellefors and U. Faremo, 1993. Optimal time and size for smolt
migration in wild sea trout (*Salmo trutta*). Can. J. Fish. Aquat. Sci. 50:224-
232. (S)
- Bomassi, P., 1993. L'efficacité américaine. Eaux Libres 11/12, 38-39. (FRA)
- Bonnet, A., 1992. Appréciation de la capacité d'accueil de la rivière Sioule pour le
Saumon atlantique. Rapport interne, 125 p. (FRA)
- Bousquet, B., 1992. Données concernant la croissance des jeunes saumons sur
l'Adour. CSP Aquitaine, 2 p. + Annexe. (FRA)
- Bousquet, B., 1993. Suivi des populations de salmonidés du bassin de l'Adour :
inventaires piscicoles d'automne 1992, 23 p. + Annexes. (FRA)
- Bousquet, B., 1993. Données concernant l'exploitation des salmonidés sur le bassin de
l'Adour, 2 p. + Annexes. (FRA)
- Bousquet, B., 1992. Suivi des populations de salmonidés du bassin de l'Adour.
Inventaires piscicoles d'automne 1992 (rédaction en cours). CSP Aquitaine.
(FRA)

- Brugel, C., 1993. Le radiopistage. Eaux Libres 11/12, 32-33. (FRA)
- Bucke, D., 1993. The significance of diseases and anomalies in wild salmonids. Fisheries Research 17, pp 209-217. (EW)
- Carmié, H., 1993. Suède, la vision patrimoniale. Eaux Libres, 11/12, 40-41. (FRA)
- Chaput, G., 1993. Assessment of the Margaree River gaspereau fisheries 1991 and 1992. DFO Atlantic Fisheries Res. Doc. 93/19. (C)
- Chaput, G., C. Mullins, and E.M.P. Chadwick, 1992. Stock-recruit relationship for Atlantic salmon from Western Arm Brook, Newfoundland. CAFSAC Res. Doc. 92/123. (C)
- Chaput, G. and R. Jones, 1992. Stock-recruit relationship for multi-sea-winter salmon from the Margaree River, N.S. CAFSAC Res. Doc. 92/124. (C)
- Chaput, G., R. Jones, L. Forsyth, and P. LeBlanc, 1993. Assessment of Atlantic salmon in the Margaree River, Nova Scotia, 1992. DFO Atlantic Fisheries Res. Doc. 93/14. (C)
- Chelkowski, Z., 1993. Splywanie smoltów troci wedrownnej (*Salmo trutta m. trutta* L.) wyrosłych z narybku w potoku Osówka. (Migration of sea trout smolts (*Salmo trutta m. trutta* L.) in the Osówka Stream). Zeszyty Nauk. AR Szczecin, Nr. 156, Ryb. Morskie i Tech. Zyw. XX, 19-28, (in Polish). (P)
- Chelkowski, Z., Przezywalnosc troci wedrownnej (*Salmo trutta m. trutta* L.) w potoku Osowka od wsiedlenia narybku do smoltyzacji. (Survival of sea trout (*Salmo trutta m. trutta* L.) from parr stage to smolt). Zeszyty naukowe. A.R. Szczecin, Nr. 156, Ryb. Morskie i Tech. Zyw. XX, 11-17, (in Polish). (P)
- Christensen, O., S. Pedersen and G. Rasmussen, 1993: Review of the Danish Stocks of Sea Trout (*Salmo trutta*). - ICES C.M. 1993/M:22. (D)
- Christensen, O., C. Eriksson and E. Ikonen, 1993. History of the Baltic Salmon, Fisheries and Management. Ninth ICES Dialogue meeting. Edinburgh, Scotland 7. - 8.6. 1993..21 p. + 9 ad. Mimeo. (FIN)
- Claireaux, D., E. Beall and C. Marty, 1993. Dispersal of salmonids juveniles at emergence in the Lapitxury Brook, Basque country, France. (Poster) 2ème congrès internat. Limnologie-Océanographie, Occupation de l'espace dans les écosystèmes aquatiques, 25-28 mai 1993, Evian. (FRA)
- Cohendet, F., 1993. Le Saumon de l'Allier : son histoire, sa vie, son devenir. Thèse Doct. Vét., Ec. Nat. Vét. et Univ. Toulouse, 793 p. (FRA)
- Coulmanche, V., 1993. Aménagements expérimentaux de caches sur la Rouvrette, petit cours d'eau recalibré de Basse-Normandie. Impact sur la population de juvéniles

de Truite commune (*Salmo trutta* L.). Diplôme d'ingénieur de l'ENITHP-
spécialisation Génie de l'Environnement, Angers, 38 p. (FRA)

Courtenay, S.C., D.S. Moore, R. Pickard, and G. Nielsen, 1993. Status of Atlantic
salmon in the Miramichi River in 1992. DFO Atlantic Fisheries Res. Doc.
93/. (C)

Coutand, P., 1993. Développement larvaire, prégrossissement et élevage de saumons
atlantique (*Salmo salar* L.), de souche sauvage (Allier), en eau recyclée : bilan
après 12 mois d'élevage. Université de Nancy, Laboratoire de biologie
appliquée, 8 p. + Annexes. (FRA)

Coyne, R., M. Hiney, B. O'Connor, J. Kerry, D. Cazabon and P. Smith, 1994.
Concentration and persistence of oxytetracycline in sediments under a marine
salmon farm, Aquaculture (in press). (IR)

Crisp, D.T., 1993. The environmental requirements of salmon and trout in fresh
water. Freshwater Forum 3 (3), pp 176-202. (EW)

Cross, T., J. Bailey, G. Friars and F. O'Flynn, 1993. Maintenance of genetic
variability in reared Atlantic salmon (*Salmo salar*) stocks. p.356-366. In Salmon
in the Sea. Sponsored by the Atlantic Salmon Trust, Atlantic Salmon
Federation, Dept. of Fisheries and Oceans. (C)

Crozier, W.W., 1993. Biology of Lough Neagh Dollaghan. Paper at Ulster
Angling Federation Meeting, Newtoncrommelin, August 1993. (NI)

Crozier, W.W., 1993. Electrophoretic evidence of genetic interaction between
escaped farmed salmon and wild Atlantic salmon in a Northern Irish river.
Aquaculture, 113: 19-29. (NI)

Crozier, W.W. (In Press). Maintenance of genetic variation in hatchery stocks of
Atlantic salmon: Experiences from the R Bush, N Ireland. Aquaculture and
Fisheries Management. (NI)

Crozier, W.W. and A. Ferguson, 1993. The fish of Lough Neagh Part C,
Investigations on the brown trout, In: R.B. Wood and R.V. Smith (eds.) Lough
Neagh, Kluwer Academic Publishers, The Netherlands, pp 419-437. (NI)

Crozier, W.W. and G.J.A. Kennedy. (In Press). Application of semi-quantitative
electrofishing to juvenile salmonid stock surveys. Journal of Fish Biology.
(NI)

Crozier, W.W. and G.J.A. Kennedy, 1993. Marine survival of wild and
hatchery-reared Atlantic salmon from the R Bush, N Ireland. In: Mills, D. H.
(ed.) Salmon in the Sea and New Enhancement Strategies. Fishing News
Books, pp 139-162. (NI)

- Crozier, W.W. and G.J.A. Kennedy, 1994. Marine exploitation of Atlantic salmon from the River Bush, N Ireland. *Fisheries Research*, 19 : 141-155. (NI)
- Cuinat, R., 1993. Une nouvelle menace pour le Saumon sur le bassin de la Loire : la chenalisation de l'estuaire. Extrait de la Houille Blanche n° 1-1993, 59-66. (FRA)
- Cuinat, R., 1993. La volonté québécoise. *Eaux Libres*, 11/12, 42-45. (FRA)
- Debowski, P., K. Goryczko and W. Wisniewolski, 1992. Przezywalnosc i wzrost troci (*Salmo trutta* L.) wpuszczonej jako wyleg do gornej Parsety. (Survival and growth of sea trout (*Salmo trutta* L.) released as hatched fish into the upper Parseta River.) *Rocznik Nauk. PZW* 5, 125-136, (in Polish, English summ.). (P)
- Dekker, W., L.A. Schaap and J.A. van Willigen, 1993. Bijvangsten in de fuiken-visserij op het IJsselmeer. RIVO internal report, 93.021, 29 pp. (Bycatches in the fyke net fishery on lake IJsselmeer, in Dutch). (NE)
- Dekker, W., 1993. Assessment of eel fisheries using length-based cohort analysis; the IJsselmeer eel stock. EIFAC working party on eel, Olsztyn, Poland, 24-27 May 1993. 19pp; mimeo. (NE)
- Delaney, G., E. Tremblay, F. Leblanc, A. Locke, and G. Atkinson, 1993. Data from the Black River fish counting fence, Kouchibouguac National Park, from 1984 to 1992. *Can. Data Rep. Fish. Aquat. Sci.* 919. (C)
- Desaunay, Y., R. Lecomte-Finiger and D. Guerault, 1993. Mean age and migration patterns of *Anguilla anguilla* (L.) glass-eels from three french estuaries (Somme, Vilaine and Adour Rivers). W.G. on Eel / EIFAC, Olsztyn, 1993. (FRA)
- Desaunay, Y., D. Guérault and R. Lecomte-Finiger, 1993. Variation of the oceanic larval migration of *Anguilla anguilla* (L.) glass-eels from a two years study on the Vilaine estuary (France). W.G. on Eel / EIFAC, Olsztyn, 1993. (FRA)
- Destrez, J., 1993. Plan de restauration des poissons migrateurs : approche géographique. Rhin français et affluents rive gauche. CSP Metz pour CIPRhin-Koblenz, 10 p. + Annexes. (FRA)
- Dulude, P., J.M. Bach et C. Brugel, 1992. Etude de la reproduction des saumons atlantiques (*Salmo salar* L.) dans la rivière Dordogne en aval du barrage d'Argentat. CSP Toulouse et Clermont-Ferrand, Assoc. MIGADO, 50 p. + Annexes. (FRA)
- Dumas, J. and O. Clément, 1993. Evolution du stock de saumons dans la Nivelle. Actes Coll. "Pour un retour des poissons migrateurs", 9-11 décembre 1993, Toulouse, 8 pages. (FRA)

- Dumas, J., 1993. Le piégeage des migrants de la Nivelle à la station de contrôle d'Uxundoa. Station d'Hydrobiologie, INRA, St Pée sur Nivelle, 6 pages. (FRA)
- Dumas, J., 1993. La population de saumons de la Nivelle en 1992. Station d'Hydrobiologie, INRA, St Pée sur Nivelle, 18 pages. (FRA)
- Duston, J. 1993. Effects of dietary betaine and sodium chloride on seawater adaptation in Atlantic salmon parr (Salmo salar L.). Comp. Biochem. Physiol. 105A: 673-677 (C)
- Eriksson, T. and L.-O. Eriksson, 1993. The status of wild and hatchery propagated Swedish salmon stocks after 40 years of hatchery releases in the Baltic rivers. Fisheries Res. 18:147-159. (S)
- Euzenat, G. and C. Pénil, 1992. "Migrateurs en Seine. Stratégie pour le retour du Saumon en Seine". Rapport SIAAP/CSP, 38 p. (FRA)
- Fagard, J.L., G. Euzenat et F. Fournet, 1993. L'anguille dans le Nord-Ouest : exploitation par pêche aux engins. CSP Haute Normandie, Artois-Picardie, Compiègne, 13 p. + Annexes. (FRA)
- Fängstam, H., 1993. Individual swimming speed during seaward migration among young of Baltic salmon (Salmo salar). Can. J. Zool. 71:1782-1786. (S)
- Fängstam, H., I. Berglund, M. Sjöberg and H. Lundqvist, 1993. Effects of size and early sexual maturity on downstream migration during smolting in Baltic salmon (Salmo salar). J. Fish. Biol. 43:517-529. (S)
- Feist, S.W. and D. Bucke, 1993. Proliferative kidney disease in wild salmonids. Fisheries Research 17, pp 51-58. (EW)
- Folt, C.L. and D.L. Parrish, 1992. A comparison of food availability and feeding preferences of juvenile Atlantic salmon in high and low juvenile survival sites. Bull. Ecol. Soc. Am. 73(2):176. Abstract only. [Dartmouth Coll., Hanover, NH 03755]. (USA)
- Friars, G.W., 1993. Breeding Atlantic Salmon: A Primer. Atlantic Salmon Federation, St. Andrews, 33 p. (C)
- Gascuel, D. et G. Fontenelle, 1993. Approche conceptuelle de la modélisation de la dynamique du stock d'anguilles dans un bassin versant : intérêt et adaptation du modèle de rendement par recrue. Bull. Fr. Pêche et Pisciculture. (FRA)
- Gayou, F., 1992. Actions en faveur de la restauration du saumon sur le bassin de la Garonne. Bilan 1991 : Repeuplement et suivi biologique, Etude de la dévalaison au Ramier (campagnes 91 et 92), Potentialités du Salat, Neste et Pique (synthèse). Exposé à l'A.G. de MIGADO, 12p. (FRA)

- Gibson, R. J., and R. E. Cutting (Editors), 1993. Production of juvenile Atlantic salmon, Salmo salar, in natural waters. Symposium Proceedings in Can. Spec. Publ. Fish & Aq. Sci. 118, 262 p. (C)
- Guðjónsson, S., S.M. Einarsson, P. Antonsson and G. Guðbergsson, 1993. Relation of Grilse/Salmon Ratio to Environmental Changes in Several Wild Stocks of Atlantic Salmon in Iceland. ICESStatutory Meeting 1993. M:9. (IC)
- Guðjónsson, P., 1993. Marking and Tagging of Sea Trout (Salmo Trutta L.) in the River Úlfarsá, Southwest Iceland. ICES C.M. 1993/M:12. (IC)
- Guðjónsson, S., A.K. Daniëlsdóttir, G. Marteinsdóttir and S. Sverrisson, 1993. Population genetic structure of Atlantic salmon (Salmo salar) in Iceland. (In Press). (IC)
- Guðjónsson, P., 1992. Notes on the contribution of the European salmon producing countries to West Greenland salmon fishery. Institute of freshwater fisheries. VMST-R/92018. (IC)
- Guegan, J.F. and C.R. Kennedy, 1993. Maximum local helminth parasite community richness in British freshwater fish: a test of the colonisation time hypothesis. Parasitology 106, pp 91-100. (EW)
- Hanke, A.R., 1993. The effects of hatch time and family competition on the growth of grilse and a two-seawinter stock of Atlantic salmon parr (Salmo salar L.). Ph.D. Thesis, University of New Brunswick, Fredericton. (C)
- Hansen, M.M., V. Loeschke, G. Rasmussen, and V. Simonsen, 1993. Genetic differentiation among Danish brown trout (Salmo trutta) populations. - Hereditas 118: 177-185. (D)
- Héland, M. and P. Debowski, 1993. Influence du conditionnement précoce sur le choix d'habitat chez l'alevin de saumon atlantique, Salmo salar L.. Comm. 25ème coll. SFECA. L'information 7-9 avril 1993, Rennes, 277-281. (FRA)
- Héland, M., Y. Charlot and J.L. Baglinière, 1993. Choix d'habitat chez des alevins de saumon atlantique Salmo salar L. en conditions expérimentales. Comm. 2ème congrès internat. Limnologie-Océanographie, Occupation de l'espace dans les écosystèmes aquatiques, 25-28 mai 1993, Evian. (FRA)
- Heland, M. and P. Debowski, 1993. Influence du conditionnement précoce sur le choix d'habitat chez l'alevin de saumon Atlantique, (Salmo salar L.). Actes du 25 éme Colloque Annuel L'inform. Rennes 7-9 avril 1993. Cons. Reg. Region Bretagne, 277-281. (P)
- Hendrix, M.A., W.E. Krise, S.E. Baker; and W.A. Bonney, 1993. Update on the use of LHRHa implants in male Atlantic salmon (Salmo salar). Page 15. in

Northeast Fishery Center. Proceedings of the Atlantic Salmon Workshop. February 17-18, 1993. Rockport, Maine. [U.S. Department of the Interior. Lamar, Pennsylvania. 183 pp. (In Press)]. (USA)

Hogans, W.E., M.J. Dadswell, L.S. Uhazy and R.G. Appy, 1993. Parasites of American shad, Alosa sapidissima (Osteichyes: Clupeidae), from rivers of the North American Atlantic coast and the Bay of Fundy, Canada. Can. J. Zool. 71: 941-946. (C)

Hudson, E.B. and B.J. Hill, 1993. EC Directive 91/67/EEC and its relevance to disease in wild salmonids. Fisheries Research 17, pp 229-236. (EW)

Ikonen, E. et al, 1993. The origin of wild salmon in the Gulf of Finland landings. ICES. Anadromous and Catadromous Fish Committee. C.M. 1993/M:31, Ref. J. (FIN)

Ikonen, E., 1993. The possible effects of environmental and oceanographic factors on abnormaly high salmon fry mortality in the Baltic Sea. ICES. Anadromous and Catadromous Fish Committee. C.M., 1993/M:32, Ref. C+H+J. (FIN)

Ikonen, E. and I. Kallio-Nyberg, 1993. The Origin and Timing of the Coastal Return Migration of Salmon (Salmo salar L.) in the Gulf of Bothnia. ICES Fish Committee C.M. 1993/M:34. (FIN)

Ísaksson, Á., 1994. Ocean ranching strategies, with a special focus on private salmon ranching in Iceland. Nordic Journal of Freshwater Research (In press). (IC)

Ísaksson, Á., 1993. Sea ranching in Iceland. Le développement du saumon atlantique au Québec. FQSA: 104- 110. (IC)

Ísaksson, Á., 1993. Ocean ranching: its role and contribution to Pacific and Atlantic salmon fisheries, In: Proceedings from the World Fisheries Congress, held in Athens, Greece, May 3-8 1992. (IC)

Jessop, B.M., 1993. The status of alewife and blueback herring stocks in Scotia -Fundy Region as indicated by catch-effort statistics. DFO Atl. Fish Res. Doc. 93/9, 17 p. (C)

Jóhannsson, M. and S.M. Einarsson, 1993. Anadromous brown trout (Salmo trutta 1.) populations in Southern Iceland. ICES C.M. 1993/M:11. (IC)

Johnsson, J.I., W.C. Clarke and R.E. Whitler, 1993. Hybridization with domesticated rainbow trout reduces seasonal variation in growth of steelhead trout (Oncorhynchus mykiss). Can. J. Fish. Aquat. Sci. 50:480-487. (S)

- Johnsson, J.I., 1993. Big and brave - size selection affects foraging under risk of predation in juvenile rainbow trout (*Oncorhynchus mykiss*). *Anim. Behav.* 45:1219-1225. (S)
- Jokikokko, E., 1993. Perämeren vaellussiikakantojen hoito. (Management of the anadromous whitefish (*Coregonus lavaretus* L.) stocks in the noerthern part of the Gulf of Bothnia.). *Suomen Kalastuslehti* 7: 16-17. (in Finnish). (FIN)
- Jokikokko, E. ja E. Jutila, 1993. Simojoen ylimmän osan ja sivujokien kalastoselvitys ja koskikartoitukset. (A. study of the Fish Fauna and Rapid Areas of the Uppermost Reaches and Tributaries of the Simojoki River). RKTL, kalatutkimuksia 64:1-39. (in Finnish). (FIN)
- Jokikokko, E., E. Jutila, K. Hietanen ja J. Rytilahti, 1993. Simojoen lohitutkimukset vuonna 1992. (Studies on salmon (*Salmo salar* L.) in the River Simojoki in 1992.) RKTL. Moniste, 5 p. Mimeo (in Finnish). (FIN)
- Jónasson, J., V. Jóhannsson and S. Óskarsson, 1992. Ocean Mortality of Ranned Salmon during the Second Year in the Sea. *Nordic Journal of Freshwater Research* (In press). (IC)
- Jónasson, J., 1992. Selection Expriments in Salmon Ranching: variation in Return rate and Growth Rate of Different Salmon Stocks and Families Within Stocks. ICES C.M. 1992/M:5. (IC)
- Jónasson, J., 1992. Ocean Mortality of Ranned Salmon During the Second Year in the Sea. Smolts Released 1988 and 1989. ICES, C.M. 1992/M:6. (IC)
- Jónasson, J., 1993. Selection experiments in salmon ranching. I. Genetic and environmental sources of variation in survival and growth in freshwater. *Aquaculture*, 109(1993): 225-236. (IC)
- Jordan, W.C., A.F. Youngson, D.W. Hay and A. Ferguson, 1992. Genetic protein variation in natural populations of Atlantic salmon (*Salmon salar*) in Scotland: temporal and spatial variation. *Can. J. Fish. Aquat. Sci.* vol. 49. pp. 1863-1872. (NI)
- Jordan, C., E. Mihalyfalvy, M.K. Garrett, and R.V. Smith. (In press). The modelling of nitrate leaching on a regional scale using a GIS. *J. Environmental Management*. (NI)
- Jordan, W.C. and E. Verspoor, 1993. Incidence of natural hybrids between Atlantic salmon, *Salmo salar* L. and Brown Trout, *Salmo Trutta* L. In Britain. *Aquacult. Fish. Manage.* 24(3):373-377. [Dep. Biol., P.O. Box 42451, Univ. Southwest, La., Lafayette 70504]. (USA)
- Jutila, E., V. Pruuki and A. Romakkaniemi, 1993. Lohen ja taimenen mädin haudontakokeet kertovat jokien veden laadusta. (Incubation experiments with

salmon (Salmo salar L.) and sea trout (Salmo trutta m. trutta) fry indicate river water quality) Suomen Kalastuslehti 3: 24-25. (in Finnish). (FIN)

Kennedy, G.J.A. and W.W. Crozier, 1993. An assessment of the impact of recent salmonid stock-recruitment data on the Elson model of target ova deposition. ICES Workshop on Salmon Spawning Targets, Bushmills, 1993, ICES C. M. 1993/7, mimeo. (NI)

Kennedy, G.J.A. and W.W. Crozier, 1993. Variation in survival from a range of salmon stocking densities in a N Ireland stream. ICES Workshop on Salmon Spawning Targets, Bushmills, 1993, ICES C. M. 1993/4, mimeo. (NI)

Kennedy, G.J.A. and K.U. Vickers, 1993. The fish of Lough Neagh, Part A. A historical and taxonomic perspective of fish fauna of the Lough Neagh, Kluwer Academic Publishers, The Netherlands, pp 381-385. (NI)

Kennedy, G.J.A. and K.U. Vickers, 1993. The fish of Lough Neagh, Part B. Investigations on salmon (Salmo salar L.) and eels (Anguilla anguilla L.) in the River Lower Bann. In: R.B. Wood and R.V. Smith (eds.) Lough Neagh, Kluwer Academic Publishers, The Netherlands, pp 397-417. (NI)

Kennedy, C.R., 1993. Introductions, spread and colonisation of new localities by fish helminths in the British Isles: a perspective and appraisal. Journal of Fish Biology 43, pp 287-301. (EW)

Kennedy, G.J.A. and W.W. Crozier, 1993. Juvenile Atlantic salmon-Production and prediction. pp 179-187 In: Gibson, R.J. and R.E. Cutting, (eds.) Production of Juvenile Atlantic Salmon in Natural Waters. Canadian Special Publications in Fisheries and Aquatic Science, 118. (NI)

Kennedy, C.R. and R. Hartvigsen, 1993. Patterns in the composition and richness of helmenth communities in brown trout (Salmo trutta) in a group of reservoirs. Journal of Fish Biology 43, pp 603-615. (EW)

Kennedy, C.R., 1993. The dynamics of helmenth communities in eels (Anguilla anguilla) in a small stream: long term changes in richness and structure. Parasitology 107, pp 71-78. (EW)

Kerry, J., M. Hiney, R. Coyne, D. Cazabon, S. NicGabhairinn and P. Smith, 1994. Frequency and distribution of resistance to oxytetracycline in microorganisms isolated from marine fish farm sediments following therapeutic use of oxytetracycline, Aquaculture (in press). (IR)

Kilpelä, S-S., 1993. Tenon sivuvesistöjen virkistyskalastus 1984-1991. (Recreational fishing in the Tributary of Tenojoki River) Tilastollinen katsaus. Moniste, 26 p. Statistical review. Mimeo. (in Finnish). (FIN)

- Kilpelä, S.-S., 1993. Näätämöjoen kalastus 1972-1991. (Fishing in the River Näätämöjoki in 1972 - 1991). Tilastollinen katsaus. Moniste, 14 p. Statistical review. Mimeo.(in Finnish). (FIN)
- Koljonen, M.-L., 1993. Genetic stock composition analyses of Baltic salmon (Salmo salar L.) catches. ICES, C.M. 1993/M:28. (FIN)
- Koskela, J., 1993. Influence of dietary protein levels on growth and body composition of whitefish (Coregonus lavaretus L.). International Symposium on the Biology and Management of Coregonid Fishes, August 22-27, 1993, Olsztyn Poland. (FIN)
- Koskela, J. Effect of some factors on the growth and survival of intensively reared juvenile european whitefish. Licenciate thesis. University of Jyväskylä, Department of Biology, 29 p. (FIN)
- Kuikka, S., 1993. Can wild Baltic salmon (Salmo salar L.) be driven to extinction ? Ninth ICES Dialogue meeting. Edinburgh, Scotland 7. - 8. 6.1993. 12 p. Accepted in serie: ICES Co-operative Research. (FIN)
- Kuikka, S., 1993. Itämeren lohen kalastuksen säätelyn vaikutus kalastukseen ja kantoihin. (Consequences of fishery regulation to the Baltic salmon (Salmo salar L.) fishery and stocks.) Kalamies (2), pp. 3 - 4. (in Finnish). (FIN)
- Kuikka, S., 1993. Lohenkalastuksen säätely Pohjanlahdella. (Regulations in Baltic salmon (Salmo salar L.) fishery in the Gulf of Bothnia) Kalastaja (1), pp. 6 - 7. (in Finnish). (FIN)
- Larinier, M., F. Travade, D. Ingendahl, J.M. Bach and D. Pujo, 1993. Expérimentation d'un dispositif de dévalaison pour les juvéniles de saumon atlantique à l'usine hydroélectrique de Soueix, Gave d'Aspe. GHAAPPE-CSP et EDF/DER, 28 p. + Annexes. (FRA)
- Lecomte-Finiger, R., Y. Desaunay, D. Guérault and P. Grellier, 1993. Biometrics features and age of glass-eels, *Anguilla anguilla* L., ascending the Vilaine estuary. Fish otolith Research and Application. Hilton Head Island U.S.A. (Poster). (FRA)
- Lecomte-Finiger, R., Y. Desaunay, D. Guérault and P. Grellier, 1993. The immigration of *Anguilla anguilla* (L.) glass-eels in coastal waters : questions about the determinism of the otolith structures. W.G. on Eel / EIFAC party, Olsztyn (Poster). (FRA)
- Lee, D.S. and J.G. Irwin, 1994. Temporal variation in the deposition of acidic species at Acid Waters Monitoring Network Sites. A contribution to the 5-year report of the United Kingdom Acid Waters Monitoring Network, ENSIS, University College, London. (NI)

- Leskelä, A., R. Hudd and H. Lehtonen, 1993. Whitefish (Coregonus lavaretus L.) growth in populations reproducing in the Northern Quark, Gulf of Bothnia. *Aqua Fennica* 23(1):51-56. (FIN)
- Leskelä, A. and R. Hudd, 1993. Anadromous whitefish (Coregonus lavaretus L.) stock in the acidified River Kyrönjoki. *Aqua Fennica* 23(1):57-61. (FIN)
- Leskelä, A. and D. Kucharczyk, 1993. Effect of temperature on the growth of three forms of European whitefish (Coregonus lavaretus L.) larvae. *Hyväksytty julkaisavaki: Archiv für Hydrobiologie* 00:000-000. (Proceedings of the International Symposium on Biology and Management of Coregonid Fishes V. Olsztyn, Poland 1993.) (Accepted for publ.) (FIN)
- Leskelä, A. ja R. Hudd, 1993. Kyrönjoen vaellussiikakannan tila vuosien 1988-1991 koekalastusten perusteella. (Status of anadromous whitefish (Coregonus lavaretus L.) stock in the River Kyrönjoki in 1988 - 1991 revealed by test fishing.) *Vesi- ja ympäristöhallinnon julkaisuja - sarja A* 157: 75-94. (in Finnish). (FIN)
- Locke, A., S. Courtenay, and G. Chaput. 1993. Juvenile Atlantic salmon (Salmo salar) densities and egg deposition in the Restigouche and Miramichi rivers, New Brunswick. DFO Atlantic Fisheries Res. Doc. 93/26. (C)
- Locke, A., R. Jones, R. Pickard, G. Atkinson, and K. Davidson. 1993. Status of Atlantic salmon stocks in Salmon Fishing Areas 15, 16, 17 and 18. DFO Atlantic Fisheries Res. Doc. 93/28. (C)
- Locke, A., R. Pickard, G. Landry, and A. Madden. 1993. Status of Atlantic salmon in the Restigouche River in 1992. DFO Atlantic Fisheries Res. Doc. 93/27. (C)
- Lohen ja meritaimenen sopimuskasvatus ja istutukset. 1993. (Private hatcheries producing smolts for the state by contract rearing and releasing of salmonids. Memorandum of the Working Group on the privit hatcheries producing smolts for the state by contract rearing and releasing of salmonids.) RKTL, kalatutkimuksia 66. 73 p + 41 ad. (in Finnish). (FIN)
- Lundqvist, H., I. Berglund, E. Brännäs and M. Sjöberg, 1993. Application of PIT automatic monitoring systems in Swedish salmonid research. Proceedings from the 1993 PIT tag Workshop; The use of the PIT tag in anadromous Fish" held in Portland, Oregon, US., by the Pacific States Marine Fish Commission. January 20-22, 1993. (S)
- Marshall, T.L., 1993. New estimates of commercial harvest and by-catch of Saint John River Atlantic salmon, 1981-1983. DFO Atl. Fish. Res. Doc. 93/46, 10 p. (C)

- Marshall, T.L., 1993. Assessment of Atlantic salmon of the Saint John River, N.B., above Mactaquac, 1992. DFO Atl. Fish. Res. Doc. 93/65 26 + v p. (C)
- Marty, C. and E. Beall, 1993. Occupation de l'espace par des alevins post-émergeants de saumon atlantique dans un ruisseau artificiel. Comm. 2ème congrès internat. Limnologie-Océanographie, Occupation de l'espace dans les écosystèmes aquatiques, 25-28 mai 1993, Evian. (FRA)
- Mason, C.F., 1993. Organochlorine pesticide residues and PCBs in eels (Anguilla anguilla) from some British freshwater reedbeds. Chemosphere 26 (12), pp 2289-2292. (EW)
- McCormick, S.D., 1993. Methods for non-lethal gill biopsy and measurement of Na⁺, K⁺ ATPase activity. Can. J. Fish. Aquat. Sci. 50:656-658. [S.O. Conte Anadromous Fish Research Center, P.O. box 796, One Migratory Way, Turners Falls, MA. 01376]. (USA)
- Mickwitz, P. and V. Pruuki, 1993. Individual transferable quotas in the Finnish salmon fishery. Prospects for the future. In: The use of individual quotas in fisheries management. p. 15-33. OECD Documents. 221 p. Paris. (FIN)
- Moffett, I.J.J. and W.W. Crozier. (In Press). An investigation of the reproducibility of triploid brown trout using heat shock. Aquaculture and Fisheries Management. (NI)
- Monnier, D., 1992. Suivi de la migration des salmonidés sur la partie basse du Gave d'Aspe. CSP Aquitaine. (FRA)
- Moore, A. (In press). An electrophysiological study on the effects of pH on the olfaction in mature male Atlantic salmon (Salmo salar L.) parr. Journal of Fish Biology.
- Moore, A., M.J. Ives and L.T. Kell, 1994. The role of urine in sibling recognition in Atlantic salmon (Salmo salar L.) parr. Proceeding of the Royal Society of London B, 255, pp 173-180. (EW)
- Moore, A. and E.C.E. Potter, 1994. The movements of sea trout (Salmo trutta) smolts through the estuary of the River Avon, Southern England. Fisheries Management and Ecology 1, pp 1-14. (EW)
- Moreau, D.A. and J. Moring. 1993. Refinement and testing of the habitat suitability index model for Atlantic salmon. Final report to S.O. Conte Anadromous Fish Research Center, 50 pp. 1993 [University of Maine, Maine Cooperative Fish & Wildlife Research Unit, 240 Nutting Hall, Orono, Maine, 04469]. (USA)
- Mounaix, B., 1992. Intercalibration et validation des méthodes d'estimation de l'âge de l'anguille européenne (Anguilla anguilla, L.). Application au bassin versant

de la Vilaine, Bretagne. Publication du Département Halieutique N° 14, ENSA Rennes. (FRA)

Mowbray, F., G. Chaput, and S. Courtenay. 1993. Assessment of the Miramichi River gaspereau fishery, 1991 and 1992. DFO Atlantic Fisheries Res. Doc. 93/51. (C)

Mullins, C.C. and G. Chaput, 1993. The status of the Atlantic salmon stock of Humber River Bay of Islands, Newfoundland, 1992. DFO Atlantic Fisheries Res. Doc. 93/34. (C)

Mullins, C.C. and R.A. Jones, 1993. The status of Atlantic salmon stocks in Gulf of St. Lawrence, western Newfoundland and southern Labrador, 1992. DFO Atlantic Fisheries Res. Doc. 93/33. (C)

Mullins, C.C. and R.A. Jones, 1993. Recreational Atlantic salmon weekly catch and effort, 1989 and 1990 and annual summaries, 1974-1990, for western Newfoundland and southern Newfoundland. Can. Data Rep. F'ish. and Aquat. Sci. No. 916. (C)

O'Neil, S. F., and C. J. Harvie, 1993. Evaluation of the precision of catch data in the Nova Scotia Atlantic salmon catch-effort card system and feasibility of a New Brunswick application. DFO Fish. Res. Doc. 93/31, 34 p. (C)

Nie, P. and C.R. Kennedy, 1993. Infection dynamics of the proceroids of Bothriocephalus claviceps in Cyclops vicinus. Parasitology 106, pp 503-509. (EW)

Pálsson, J.Ö. and S.M. Einarsson, 1992. The effect and starvation on early maturation of arctic charr (Salvelinus alpinus L.). ICES C.M. 1992/M:7. (IC)

Pálsson, J.Ö., M. Jobling and E.H. Jørgensen, 1992. Temporal Changes in daily food intake of arctic charr, Salvelinus alpinus, of different sizes monitored by radiography. Aquaculture, 106 (1992): 51-61. (IC)

Parmanne, R. ja E. Ikonen, 1993. M-74 ja silakka lohen ravintona. (Phenomenon M-74 and Baltic herring as a food of salmon.) Riista- ja kalatalouden tutkimuslaitos, kalantutkimuspäivät 1993, Lahti 28.-29.10.1993. 4 p. Moniste. Mimeo. (in Finnish). (FIN)

Pepper, V.A. and T. Nicholls, 1993. Review of experiments on lacustrine nursery areas for Atlantic salmon in Newfoundland and identification of further research opportunities. p. 15-40. In Ryan, P.M., M.F. O'Connell and V.A. Pepper. 1993. Report from the workshop on lake use by Atlantic salmon in Newfoundland, Canada. Can. MS Rep. Fish. Aquat. Sci. 2222: iv + 54 p. (C)

Pérony, M., 1993. Potentialités de restauration du saumon atlantique sur le bassin du Gave de Pau. CSP Aquitaine et FRPPMA, Pau, 200 p. (FRA)

- Peterson, R. H., and D. J. Martin-Robichaud, 1993. Rates of ionic diffusion across the egg chorion of Atlantic salmon (Salmo salar). *Physiol. Zool.* 66: 289-306. (C)
- Porcher, J.P., 1992. Programme poissons migrateurs. Contrat "Retour aux sources". Propositions d'action. Rapp. Min. Env. et CSP, 170 p. (FRA)
- Potter, E.C.E. and I. Russell. (In press). Comparison of the distribution and homing of hatchery-reared and wild Atlantic salmon from North East England. Proceeding of the Symposium on Homing and Straying in Salmon, Roros , Norway, October 1993. (EW)
- Potter, E.C.E. and A. Moore, 1993. Surveying and tracking salmon in the sea. Atlantic Salmon Trust, Pitlochry, UK. 51 pp. (EW)
- Potter, E.C.E. and D. Dunkley, 1993. Evaluation of marine exploitation of salmon in Europe. Proc 4th Int. A. Sal. Symp, St Andrews, June 1992. (EW)
- Potter, E.C.E., 1993. Is scientifically based management of salmon possible in the Atlantic area. Proc. 9th ICES Dialogue Meeting on Salmon, Edinburgh, 7-8 June 1993. (EW)
- Potter, E.C.E., L. Kell and D.G. Reddin, 1993. Discrimination of North American and European salmon using and Genetic Algorithm and by neural network. ICES CM 1993/M:18. (EW)
- Pottinger, T.G. and T.A. Moran, 1993. Differences in plasma cortisol and cortisone dynamics during stress in two strains of rainbow trout (Oncorrhynchus mykiss). *Journal of Fish Biology* 43 (1), pp 121-130. (EW)
- Pottinger, T.G., T.A. Moran and J.A.W. Morgan, 1994. Primary and secondary indices of stress in the progeny of rainbow trout (Oncorrhynchus mykiss) selected for high and low responsiveness to stress. *Journal of Fish Biology* 44 (1), pp 149-163. (EW)
- Prévost, E., E.M.P. Chadwick and R.R. Claytor R.R., 1993. Within stock variations of life history traits in juvenile Atlantic salmon (salmo salar). *Ecol. Freshwat. Fish.*, 2 : 73-83. (FRA)
- Prévost, E., L. Ropars and P. Bomassi, 1992. Les frayères de saumon atlantique sur l'Allier : distribution spatiale, fluctuations inter-annuelles et relation avec les densités de juvéniles. Convention INRA/Agence de l'Eau, rapport intermédiaire, 24 p. (FRA)
- Prodohl, P.A., J.B. Taggart and A. Ferguson, 1994. Cloning of highly variable minisatellite DNA single locus probes for brown trout (Salmo trutta L.) from a phagemid library. In Beaumont, A. (ed.) *Genetics and Evolution of Aquatic Organisms*, Chapman and Hall. (NI)

- Prouzet, P. and F.-X. Cuende, 1993. Les pêcheries estuariennes de l'Adour : aspect séquentiel de l'exploitation des ressources halieutiques et de leur environnement. In : Actes de la table ronde sur les "Questions sur la dynamique de l'exploitation halieutique", 6-8 septembre 1993, Montpellier, 18 pages. (FRA)
- Prouzet, P., J.-P. Martinet and J. Badia, 1994. Caractérisation biologique et variation des captures de grandes aloses (*Alosa alosa*) par unité d'effort sur le fleuve Adour (Pyrénées Atlantique, France). *Aquat. Living Resourc.*, 7, 1-10. (FRA)
- Prouzet, P. and J.-P. Martinet, 1993. Rapport sur la pêche des marins pêcheurs dans l'estuaire de l'Adour en 1992. *Rapport interne DRV/RH/St-Pée*, 28 pages. (FRA)
- Prouzet, P. and J.-P. Martinet, 1993. Les pêches estuariennes du Bassin de l'Adour: Zones, métiers et espèces de 1985 à 1991. Rapport de fin de contrat Secrétariat à la Mer N° 890303, 79 pages. (FRA)
- Prouzet, P., 1993. La gestion de la ressource saumon : théorie et pratique. In : G. Shooner et S. Asselin [ed]. Le développement du Saumon Atlantique au Québec : connaître les règles du jeu pour réussir. Colloque international de la Fédération Québécoise pour le Saumon Atlantique. Québec, décembre 1992. *Salmo salar*, 1, 166-178. (FRA)
- Pruuki, V., 1993. Salmon Stocks and Salmon Catches in the Gulf of Bothnia. *Aqua Fennica* 23,2:nn-nn. Painossa. In press. (FIN)
- Pruuki, V., 1993. Changes in the Status of the Salmon (*Salmo salar*) Stock in the River Tornionjoki. ICES C.M. 1993/M:51. 11p. (FIN)
- Rago, P.J., D.G. Reddin, T.R. Porter, D.J. Meerburg, K.D. Friedland and E.C.E. Potter, 1993. A continental run reconstruction model for the non-maturing component of North American Atlantic salmon: analysis of fisheries in Greenland and Newfoundland-Labrador, 1974-1991. ICES C.M. 1993/M:25. (EW)
- Rahkonen, R. ja P. Heinimaa, 1993. *Gyrodactylus salaris* - Uhka Atlantin lohelle. (*Gyrodactylus salaris* -threat against Atlantic salmon.) Suomen kalastuslehti 4-5:8-10. (in Finnish). (FIN)
- Rensel, J.E., 1992. Harmful effects of the marine diatom *Chaetoceros Concavicornis* on Atlantic salmon (*Salmo Salar*). Ph.D dissertation, Univ. Wash. 155p. 1992. [From Diss. Abstr. Int. B. Sci. Eng. 54 (1): 16. 1993. Order No. DA9312737.] (USA)
- Roche, P., 1993. Reconstitution d'une souche de saumon dans le Rhin : proposition de stratégie. CSP Metz pour CIPRhin-Koblenz, 4 p. (FRA)

- Roche, P., 1993. Suivi annuel des peuplements de juvéniles de salmonidés migrateurs en Alsace. Résultats 1993. CSP Metz, 12 p. + Annexes. (FRA)
- Roche, P., 1992. Restauration des écosystèmes aquatiques du bassin du Rhin, objectif saumon. Rapport intermédiaire n°4, CSP Metz, Ministère de l'Environnement, DIREN Alsace, 6 p. (FRA)
- Roche, P., 1992. Le saumon du Rhin : données historiques. Rapport CSP Metz. Ministère de l'Environnement. Réédition 1992 modifiée, 57 p. (FRA)
- Roche, P., 1992. Restauration des écosystèmes aquatiques du bassin du Rhin : objectif saumon. Bilan annuel n°3. CSP Metz, Ministère de l'Environnement, DIREN Alsace, 13 p. (FRA)
- Roche, P., A. Beneat, L. Hill and L. Wéber, 1993. La Bruche : cartographie des habitats piscicoles. Frayères et habitats à juvéniles pour le saumon atlantique. CSP - DIREN Alsace, 15 p + 62 planches cartographiques. (FRA)
- Roguet, M., 1993. Eléments pour un plan de restauration des poissons migrateurs dans le bassin Adour-Garonne. CSP Midi-Pyrénées et Aquitaine, Toulouse, 53 p. + Annexes. (FRA)
- Romakkaniemi, A., E. Jokikokko and E. Jutila, 1993. The salmon (Salmo salar L.) parr and smolt production in the rivers Simojoki and Tornionjoki. - preliminary results of the latest field surveys and the mortality of fry in the hatcheries. The Finnish Game and Fisheries Research Institute, Fisheries Division. 4 p. . Mimeo. (in Finnish). (FIN)
- Ropars, L., 1993. Comparaison des caractéristiques éco-physiologiques des juvéniles migrants de truite commune (Salmo trutta) et de saumon atlantique (Salmo salar) sur la rivière Oir (Basse Normandie), Diplôme d'Etudes Approfondies de Biologie et Agronomie de l'Université Rennes I, Rennes, 30 p. (FRA)
- Rosell, R.S., 1993. Salmon Return to the River Lagan. Agriculture in Northern Ireland, October 1993. (NI)
- Rosell, R.S., 1993. Update on the River Lagan salmon project. Agriculture in Northern Ireland, November 1993. (NI)
- Rosell, R.S. 1993. Experimental re-introduction of salmon to the River Lagan. Paper presented to the Institute of Fisheries Management (NI Branch) Bi-annual conference, Portrush, April 1993. (NI)
- Rottiers, D.V., 1993. Relationship between the amount of bone, major cations, and body size in Atlantic salmon, Salmo Salar. *Copeia* (2):440-446. 1993. [U.S. Fish & Wildl. Serv. Natl. Fish. Res. & Dev. Lab. Rural Delivery # 4 Box 63 Wellsboro, PA 16901]. (USA)

- Russell, I., 1993. Salmon stocking programmes in north-east England - some factors affecting return rates. Hull Symposium, April 1992. (EW)
- Russell, I., E.C.E. Potter, D.G. Reddin and K. Friedland, 1993. Recoveries of coded wire microtags from salmon caught at West Greenland in 1992. ICES CM 1993/ M: 19. (EW)
- Russell, I. and E.C.E. Potter. (In press). Interception salmon fisheries - assessing their impact on national stocks. Proc IFM Annual Study Conference, Cardiff, September 1993. (EW)
- Sakamoto, T., S.D. McCormick and T. Hirano, 1993. Osmoregulatory actions of growth hormone and its mode of action in salmonids: a review. Fish Physiol. Biochem. 11:155-164. [S.O. Conte Anadromous Fish Research Center, P.O. Box 796, One Migratory Way, Turners Falls, MA. 01376]. (USA)
- Salmi, J. ja P. Salmi, 1993. Lohenkalastuksen säätelyä pidetään perusteettomana. Avomerellä kalastavat arvostelevat tutkijoita ja viranomaisia. (There is a weak statement of the reasons for salmon fishery regulations. Off-shore fishermen are taking a critical attitude towards researchers and authorities.) Kalastaja 2:6-7. (in Finnish). (FIN)
- Salmi, J. ja P. Salmi, 1993. Lohen avomerikalastajien vaihtoehdot vähissä. Alhainen ansiotaso ja velkaantuminen ajaa merelle. (There is only few alternatives left for off-shore fishermen. Low earnings and getting in dept are the main reasons for off-shore fishing.) Kalastaja 3:8-9. (in Finnish). (FIN)
- Salminen, M., S. Kuikka and E. Erkamo, 1993. Differences in the production of Baltic salmon (Salmo salar L.) in the Gulf of Finland and in the Bothnian Sea - the significance of marine productivity and environmental stability. ICES C.M. /M:59. Anacat committee. (FIN)
- Saunders, R. L., R. S. Ferguson, and F. M. O'Flynn, 1993. Feed deprivation during winter-spring to reduce maturity as grilse - an update. Ann. Rep. Salmon Gen. Res. Prog. 1992/93: 14. (C)
- Saura, A., 1993. Polttomerkinnän käyttö yksikesäisten kalanpoikasten merkintään. (The use of hot branding in the marking of one-summer-old juvenile fish). Helsinki. RKTL. Kalatutkimuksia 63. 38 p. (in Finnish). (FIN)
- Schaan, O., 1993. L'exploitation des anguilles sub-adultes (Anguilla anguilla, L.) dans les estuaires de la Loire et de la Vilaine : Méthodes d'estimation des captures par âge. Thèse Doctorat de l'ENSAR. ENSAR , chaire d'Halieutique. (FRA)
- Schmitz, M., I. Berglund, H. Lundqvist and B. Th. Björnsson, 1993. Growth hormone response to seawater challenge in Atlantic Salmon, Salmo salar, during parr-smolt transformation. 4th International Smolt Workshop. St. Andrews, New Brunswick, Canada, October 19-23, 1992. (S)

- Schmitz, M. and I. Mayer, 1993. Effects of androgens on osmoregulation in Arctic charr, Salvelinus alpinus. Fish Phys. Biochem. 12:11-20. (S)
- Schmitz, M., 1993. Anadromy versus residency: development and regulation of hypoosmoregulatory ability in Arctic charr (Salvelinus alpinus) and Atlantic salmon (Salmo salar). Ph.D. Thesis. University of Agricultural Sciences, Umeå, Sweden. 122pp (ISBN 91-576-4670-8). (S)
- Scott, A. and W. Beaumont. (In press). Improving the survival rates of Atlantic salmon (Salmo salar L.) embryos in a chalkstream. Proc of IFM Annual Study Conference, Cardiff, September 1993. (EW)
- Sevigny, J. M., and R. L. Saunders, 1993. Canadian studies on gene technology, biochemical markers, production of transgenics and means of reducing genetic interaction between cultured and wild salmon. Working Paper incorporated in Report of the Working Group on Genetics 1993, ICES C.M. 1993/F:7: 11-18. (C)
- Smith, P.R., R. Coyne, J. Donion and D.J. Cazabon, 1994. Fate of oxytetracycline in a freshwater fish farm: influence of effluent treatment systems, Aquaculture (in press). (IR)
- Soderberg, R.W., J.W. Meade and L.A. Redell, 1993. Growth, survival, and food conversion of Atlantic salmon reared at four different densities with common water quality. Prog. Fish-Cult. 55 (1): 29-31. [Fish. Program, Mansfield Univ., Mansfield, PA 16933]. (USA)
- Stoffregen, D.A.; A.J. Chako; S. Backman and J.G. Babisch, 1993. Successful therapy of furunculosis in Atlantic salmon, Salmo Salar L. using the fluoroquinolone antimicrobial agent enrofloxacin. J. Fish Dis. 16(3):219-228. [Dep. Pharmacol., N.Y. State Coll. Vet. Med., Cornell Univ. Ithaca 14853].(USA)
- Sturlaugsson, J., N.A. Hvidsten, R. Strand and B.O. Johnsen, 1993. Næringsvalg hos fjordutsatt havbeitesmolt av laks på Island og i Norge. NINA Oppdragsmelding 164: 1-14. (IC)
- Sturlaugsson, J., 1993. The Food of Ranched Atlantic Salmon (Salmo Salar L.) Postsmolts in Costal Waters, W-Iceland. Nordic Journal of Freshwater Research. (In press). (IC)
- Söderholm-Tana, L., 1993. Merilohen (Nevan kanta) istutuspoikasten fysiologinen tila ja vaellusvalmius eri kalanjyljelylaitoksilla keväällä 1993. (Physiological condition and smoltification in young Baltic salmon (Salmo salar L.) (stock of the River Neva) reared at several fish farms in spring 1993.) Raportti, Riista-ja kalatalouden tutkimuslaitos. 16 p. Report (in Finnish). (FIN)

- Tanguy, J.M., 1993. La smoltification de la truite de mer (*Salmo trutta* L.)- caractérisation éco-physiologique des juvéniles en milieu contrôlé et en milieu naturel. Thèse de Docteur en Halieutique de l'ENSAR, Rennes, 107 p. (FRA)
- Toivonen, A.-L., R. Hudd and A. Leskelä, 1993. Improved wintertime catch capability of whitefish by optimization of gill net yarn diameter. Paper presented in: International Symposium on Biology and Management of Coregonid Fishes V. Olsztyn, Poland 1993. In referee-round. (FIN)
- Toivonen, Anna-Liisa and R. Hudd, 1993. Videotape documentation of salmon (*Salmo* *salar* L.) and whitefish (*Coregonus* *lavaretus* L.) reacting to a modified whitefish trapnet. ICES mar. Sci. Symp., 196:54-57. (FIN)
- Toivonen, A.-L. and R. Hudd, 1993. Behavioural differences of Atlantic salmon (*Salmo* *salar* L.) and whitefish (*Coregonus* *lavaretus* L.) as the basis for improving the species selectivity of whitefish trapnets. ICES mar. Sci. Symp., 196:47-53. (FIN)
- Toivonen, A.-L. and R. Hudd, 1993. Survival of undersized salmon (*Salmo* *salar* L.) after release from the trap net. ICES C.M. 1993/B:10, 6p. (FIN)
- Trouillet, L., 1992. La gestion des rivières à salmonidés : quelques aspects. Rapport de fin d'études ENSAT, 45 p. (FRA)
- Tully, O., 1992. Predicting infestation parameters and impacts of caligid copepods in wild and cultured fish populations. Invert. Reprod. & Devel. 22: p. 92-102. (IR)
- van den Ende, O., 1993. Predation on Atlantic salmon smolts. (*Salmo Salar*) by smallmouth bass (*Micropterus dolomieu*) and chain pickerel (*Exox niger*) in the Penobscot River, Maine. M.S. thesis, 95pp. [Univ. of Maine, Maine Cooperative Fish & Wildlife Research Unit, 240 Nutting Hall, Orono, Maine, 04469]. (USA)
- Varis, O., S. Kuikka and J. Kettunen, 1993. Belief Network in Fish Stock Assessment - the Baltic Salmon Case. ICES C.M. 1993/D:13. (FIN)
- Vuorinen, P.J., J. Paasivirta, M. Vuorinen, S. Peuranen ja J. Hoikka, 1993. Lohen ja meritaimenen ympäristömyrkypitoisuudet ja lohen alkio- ja poikaskuolleisuus. (Organochlorines in Salmon (*Salmo* *salar* L.) and Sea Trout (*Salmo* *tutta* m. *trutta*) and the Mortality of the Eggs and Yolk sac Fry of Salmon) Helsinki. RKTL, kalatutkimuksia 65. 71 p. (in Finnish). (FIN)
- Whalen, K.G., 1992. Survival and growth of Atlantic salmon (*Salmo Salar*) fry stocked at varying densities and developmental stages in two tributaries of the White River, Vermont. M.S. thesis, Univ. Vt. 91p. (USA)

- White, E.M. and B. Knights, 1994. Elver and eel stock assessment in the Severn and Avon. National Rivers Authority R&D Project Record 256/13/ST. (EW)
- Whitesel, T.A., 1992. Springtime hepatosomatic indices, plasma cortisol levels, and hepatic 5'-monodeiodinase activities in one-year-old Atlantic salmon from two growth modes. Prog. Fish-Cult. 54(3):174-180. [Dep. Fish & Wildl., 211 Inlow Hall, East. Oreg. State Coll., La Grande 97850]. (USA)
- Wilnfield, I., 1993. Desperately seeking shelly. Aquarist and Pondkeeper 58 (4), pp 96-98. (EW)
- Wilson, J.P.F., 1993. The fish of Lough Neagh, part D: investigations on pollan (Coregonus autumnalis pollan Thompson). In: Logh Neagh: the ecology of a multipurpose water resource (eds. Wood, R.B. and R.V. Smith), pp 439-450. Dordrecht: Kluwer. (EW)
- Wirgin, I.I., T.-L. Ong, L. Maceda, J.R. Waldman, D. Moore, and S. Courtenay, 1993. Mitochondrial DNA variation in striped bass (*Morone saxatilis*) from Canadian rivers. Can. J. Fish. Aquat. Sci. 50: 80-87. (C)