Organisations

Emeritus, National Institute of Aquatic Resources
25/01/2007 → present
gr@aqua.dtu.dk
VIP

Section for Freshwater Fisheries Ecology
10/01/2013 → present
VIP

Publications:

Discharge-dependent recruitment in stream-spawning brown trout

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology, National Museum of Natural Sciences
Authors: Lobón-Cerviá, J. (Ekstern), Rasmussen, G. H. (Intern), Mortensen, E. (Ekstern)
Number of pages: 808
Pages: 299-318
Publication date: 2017

Host publication information
Title of host publication: Brown Trout: Biology, Ecology and Management
Publisher: Wiley
Editors: Lobón-Cervía, J., Sanz, N.
ISBN (Print): 978-1-119-26831-4
Chapter: 13
Main Research Area: Technical/natural sciences
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Population dynamics of juvenile brown trout (Salmo trutta L.), recruitment, mortality, biological production and smolt yield in two danish bæcks

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. H. (Intern)
Number of pages: 808
Pages: 319-367
Publication date: 2017

Host publication information
Title of host publication: Brown Trout: Biology, Ecology and Management
Publisher: Wiley
Editors: Lobón-Cervía, J., Sanz, N.
ISBN (Print): 978-1-119-26831-4
Chapter: 14
Main Research Area: Technical/natural sciences
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Sea trout (Salmo trutta L.) in Denmark

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. H. (Intern), Pedersen, S. (Intern)
Number of pages: 808
Survival and growth compared between wild and farmed eel stocked in freshwater ponds

To evaluate the efficiency of eel stocking, we compared the survival and growth of wild eels (2–5 g) with that of "farmed" eels (3–6 g). Wild eels were caught in a river and farmed eels came from a farm, where wild imported glass eels are cultured. Two experiments of 5–12 month duration were conducted in a series of shallow, open ponds of approximately 200 m². Wild and farmed eels were batch tagged, mixed and released in the ponds at an initial density of 0.5 individual/m². Survival was rather high (34–88%) with variations between ponds. No significant difference in survival was found between wild and farmed during the first 5 month in both experiments. Growth rates were significantly higher for farmed eels compared to wild eels in both experiments. The results show that farmed eels performed better than wild eels. In regions with low recruitment the eel population may be increased by importing glass eels, stocked directly or stocked as on-grown farmed eel. The optimal size for stocking (between glass- and 3 g eels) may be determined through future studies.
Survival and growth compared between wild and farmed eel stocked in freshwater ponds

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Pedersen, M. I. (Intern), Jepsen, N. (Intern), Rasmussen, G. (Intern)
Publication date: 2017
Main Research Area: Technical/natural sciences
Electronic versions:

Små udsætningsål er bedst

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Pedersen, M. I. (Intern), Rasmussen, G. (Intern)
Publication date: 2016

Publication information
Yield per recruit from stocking two different sizes of eel (Anguilla anguilla) in the brackish Roskilde Fjord

Stocking of young eel is widely practised, as a measure, to meet the management target of the EU eel recovery plan. The target of the recovery plan is to increase the escapement to 40% silver eel biomass, relative to pristine conditions. The scientific information to predict the outcome in silver eel biomass from stocking is limited and may depend on whether translocation of wild glass eel or yellow eel is used, or if the stocked eels used are yellow eel from aquaculture. We evaluated the yield from stocking two different sizes, 3 and 9 g eels from aquaculture. A professional fishery recaptured 12.7% of the 3 g and 9.4% of the 9 g eels, originally stocked. Growth rate and mortality rate were different for the two stocked sizes, favouring the small eels. Brutto yield per recruit (YPR) was 13 and 9.2 g and netto YPR was 9.8 and 0.31 g for 3 and 9 g eel, respectively. We conclude that there seems to be no advantage in using larger 9 g eels compared with small 3 g eels for stocking.

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Pedersen, M. I. (Intern), Rasmussen, G. H. (Intern)
Pages: 158-164
Publication date: 2016
Main Research Area: Technical/natural sciences
Sea Trout (Salmo trutta L.) in Denmark

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern)
Publication date: 2015
Event: Abstract from Advances in the population ecology of stream salmonids, Girona, Spain.
Main Research Area: Technical/natural sciences
Publication: Research - peer-review › Journal article – Annual report year: 2015

Tange Sø - problemer og løsninger?

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern)
Pages: 30-33
Publication date: 2015
Main Research Area: Technical/natural sciences

Publication information
Journal: Kaskelot
Volume: 206
ISSN (Print): 0106-0023
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Publication: Communication › Journal article – Annual report year: 2015

Baggrundsmandater for udarbejdelse af åleforvaltningsplan i Danmark

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Atlas over danske ferskvandsfisk

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology, Natural History Museum of Denmark
Authors: Carl, H. (ed.) (Ekstern), Rask Møller, P. (ed.) (Ekstern), Rasmussen, G. (Intern), Berg, S. (Intern), Nielsen, J. G. (Ekstern)
Number of pages: 700
Publication date: 2012

De ferske vande i Danmark

General information
State: Published
Organisations: National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Berg, S. (Intern), Rasmussen, G. (Intern)
Pages: 37-49
Publication date: 2012

Host publication information
Title of host publication: Atlas over danske ferskvandsfisk
Place of publication: København
Publisher: Statens Naturhistoriske Museum
Editors: Carl, H., Møller, P. R.
ISBN (Print): 978-87-87519-74-8
Main Research Area: Technical/natural sciences
Publication: Research › Book chapter – Annual report year: 2012

Fjeldørred: Salvelinus alpinus (Linnaeus, 1758)

General information
State: Published
Organisations: National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 469-479
Kildeørrred: Salvelinus fontinalis (Mitchill, 1814)

General information
State: Published
Organisations: National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 479-491
Publication date: 2012

Laks: Salmo salar Linnaeus, 1758

General information
State: Published
Organisations: National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 429-448
Publication date: 2012

Ørred: Salmo trutta Linnaeus, 1758

General information
State: Published
Organisations: National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 449-469
Publication date: 2012
Regnbueørred: Oncorhynchus mykiss (Walbaum, 1792)

General information
State: Published
Organisations: National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 413-429
Publication date: 2012

Host publication information
Title of host publication: Atlas over danske ferskvandsfisk
Place of publication: København
Publisher: Statens Naturhistoriske Museum
Editors: Carl, H., Møller, P. R.
ISBN (Print): 978-87-87519-74-8
Main Research Area: Technical/natural sciences
Publication: Research › Book chapter – Annual report year: 2012

Smelt: Osmerus eperlanus (Linnaeus, 1758)

General information
State: Published
Organisations: National Institute of Aquatic Resources, Natural History Museum of Denmark
Authors: Rasmussen, G. (Intern), Carl, H. (Ekstern)
Pages: 375-385
Publication date: 2012

Host publication information
Title of host publication: Atlas over danske ferskvandsfisk
Place of publication: København
Publisher: Statens Naturhistoriske Museum
Editors: Carl, H., Møller, P. R.
ISBN (Print): 978-87-87519-74-8
Main Research Area: Technical/natural sciences
Publication: Research › Book chapter – Annual report year: 2012

Stalling: Thymallus thymallus (Linnaeus, 1758)

General information
State: Published
Organisations: National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern), Carl, H. (Ekstern), Møller, P. R., Nielsen, J. G.
Pages: 491-503
Publication date: 2012

Host publication information
Title of host publication: Atlas over danske ferskvandsfisk
Place of publication: København
Publisher: Statens Naturhistoriske Museum
Editors: Carl, H., Møller, P. R.
ISBN (Print): 978-87-87519-74-8
Main Research Area: Technical/natural sciences
Publication: Research › Book chapter – Annual report year: 2012

Ferskvandsfisk

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Carl, H. (Ekstern), Berg, S. (Intern), Møller, P. R. (Ekstern), Rasmussen, G. (Intern), Nielsen, J. G. (Ekstern)
Publication date: 2010
Generel information om gruppen Ferskvandsfisk

State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Carl, H. (Ekstern), Berg, S. (Intern), Møller, P. R. (Ekstern), Rasmussen, G. (Intern), Nielsen, J. G. (Ekstern)
Publication date: 2010

Host publication information
Title of host publication: Den danske rødliste
Place of publication: Århus
Publisher: Aarhus Universitet. Danmarks Miljøundersøgelser
Main Research Area: Technical/natural sciences
Links:
http://www.dmu.dk/dyrplanter/redlistframe/roedlistesystemet/
Source: orbit
Source-ID: 268917
Publication: Research - peer-review › Book chapter – Annual report year: 2010

Åleforvaltningsplan i Danmark

State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, M. I. (Intern), Rasmussen, G. (Intern)
Number of pages: 75
Publication date: 2009

Publication information
Publisher: DTU Aqua. Institut for Akvatiske Ressourcer
Original language: Danish
Main Research Area: Technical/natural sciences
Links:
http://ferv.fvm.dk/Admin/Public/DWSDownload.aspx?File=%2fFiles%2fFikeri%2fProjektdatabase%2fPilotprojekte%2f3704-3-06-0157_forvaltningsplan_aal.pdf

Bibliographical note
Finansieret af EU fiskerisektorprogram FIUF og Fødevareministeriet (DFFE j. nr. 3704-3-06-0157).
Source: orbit
Source-ID: 252597
Publication: Research › Report – Annual report year: 2009

Forsøg med prægning af udsatte laks ved Nexø 2003-2008

State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Number of pages: 76
Publication date: 2008

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Publication date: 2008

Publication information
Place of publication: Copenhagen
Publisher: International Council for the Exploration of the Sea
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 277827
Publication: Research › Report – Annual report year: 2008

Tyklæbet multe (Chelon labrosus) i Danmark: Biologi og fangster

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Number of pages: 13
Publication date: 2008

Publication information
Place of publication: [s.l.]
Publisher: [s.n.]
Original language: Danish
Main Research Area: Technical/natural sciences

Bibliographical note
Udarbejdet til §7 Udvalget
Source: orbit
Source-ID: 229434
Publication: Research › Report – Annual report year: 2008

Prægning af udsatte laks

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Number of pages: 50
Publication date: 2007

Publication information
Place of publication: Silkeborg
Research activities and management of brown trout and sea trout (Salmo trutta L.) in Denmark

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 342-348
Publication date: 2007

Host publication information
Title of host publication: Proceedings of the first International Sea Trout symposium, Cardiff, July 2004
Main Research Area: Technical/natural sciences
Conference: The first International Sea Trout symposium, Cardiff, July 2004, 01/01/2004
Source: orbit
Source-ID: 228347
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Status for Atlas over danske ferskvandsfisk

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Carl, H. (Ekstern), Berg, S. (Intern), Møller, P. (Ekstern), Nielsen, J. (Ekstern), Rasmussen, G. (Intern)
Number of pages: 46
Publication date: 2007

Publication information
Place of publication: København
Publisher: Zoologisk Museum og Danmarks Fiskeriundersøgelser
Original language: Danish
Main Research Area: Technical/natural sciences
Links:
Source: orbit
Source-ID: 225087
Publication: Research › Report – Annual report year: 2007

Status for Atlas over danske ferskvandsfisk. Version II

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Carl, H. (Ekstern), Berg, S. (Intern), Møller, P. (Ekstern), Nielsen, J. (Ekstern), Rasmussen, G. (Intern)
Number of pages: 40
Publication date: 2007

Publication information
Place of publication: København
Publisher: Zoologisk Museum og Danmarks Fiskeriundersøgelser
Original language: Danish
Main Research Area: Technical/natural sciences
Links:
http://www.fiskeatlas.dk/download/Statusrapport2.pdf
Straying of Atlantic salmon, Salmo salar, from delayed and coastal releases in the Baltic Sea, with special focus on the Swedish west coast

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management, Section for Population Ecology and Genetics
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern), Eg Nielsen, E. (Intern), Karlsson, L. (Ekstern), Nyberg, P. (Ekstern)
Pages: 21-32
Publication date: 2007
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisheries Management and Ecology
Volume: 14
Issue number: 1
ISSN (Print): 0969-997X
Ratings:
BFI (2018): BFI-level 1
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Web of Science (2017): Indexed Yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 1.85 SJR 0.843 SNIP 0.88
BFI (2015): BFI-level 1
Scopus rating (2015): SJR 0.988 SNIP 1.159 CiteScore 1.91
BFI (2014): BFI-level 1
Scopus rating (2014): SJR 0.913 SNIP 0.995 CiteScore 1.85
BFI (2013): BFI-level 1
Scopus rating (2013): SJR 0.737 SNIP 0.807 CiteScore 1.36
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): SJR 0.636 SNIP 0.868 CiteScore 1.32
ISI indexed (2012): ISI indexed yes
Web of Science (2012): Indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): SJR 0.844 SNIP 0.932 CiteScore 1.29
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): SJR 0.847 SNIP 0.808
Web of Science (2010): Indexed yes
BFI (2009): BFI-level 1
Scopus rating (2009): SJR 0.796 SNIP 0.936
BFI (2008): BFI-level 1
Scopus rating (2008): SJR 0.823 SNIP 0.87
Web of Science (2008): Indexed yes
Scopus rating (2007): SJR 0.813 SNIP 1.255
Web of Science (2007): Indexed yes
Scopus rating (2006): SJR 0.863 SNIP 1.05
Web of Science (2006): Indexed yes
Scopus rating (2005): SJR 0.76 SNIP 0.939
Fish passes and water flow

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 98-99
Publication date: 2006

Host publication information
Title of host publication: From sea to source: Practical guidance for restoration of fish migration in European rivers
Place of publication: Veendam
Publisher: Hunze
Editors: Kroes, M., Gough, P., Schollerna, P., Wanningen, H.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 227183
Publication: Research - peer-review › Book chapter – Annual report year: 2006

Overlevelsen af laksesmolt i Karlsgårde Sø i foråret 2004

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Koed, A. (Intern), Deacon, M. (Ekstern), Aarestrup, K. (Intern), Rasmussen, G. (Intern)
Number of pages: 20
Publication date: 2005

Publication information
Place of publication: Silkeborg
Publisher: Danmarks Fiskerundersøgelser
ISBN (Print): 87-90968-74-3
Original language: Danish

Series: DFU-rapport
Number: 145-05
Main Research Area: Technical/natural sciences
Electronic versions:
145-05 Overlevelsen af laksesmolt i Karlsgårde sø 2004.pdf

Links:

Source: orbit
Forskning i de ferske vandes fisk

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Number of pages: 407
Pages: 45-54
Publication date: 2004

Host publication information
Title of host publication: De ferske vandes kulturhistorie i Danmark
Volume: 2
Place of publication: Silkeborg
Publisher: AQUA Ferskvands Akvarium
Editor: Hofmeister, E.
ISBN (Print): 87-91355-09-5
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 227189
Publication: Research - peer-review › Book chapter – Annual report year: 2004

Halleby å, Tissø er en stopklosd for smolten

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 12-13
Publication date: 2004
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 3
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226897
Publication: Research › Journal article – Annual report year: 2004

Tryggevælde å, havørreder i skyggen af aborrer

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 12-13
Publication date: 2004
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 2
ISSN (Print): 0108-2000
Ratings:
Tude å, nu satses der på egne moderfisk

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 10-11
Publication date: 2004
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 3
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226910
Publication: Research › Journal article – Annual report year: 2004

Tuse å, udsætningerne stopper

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 10-11
Publication date: 2004
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 2
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226911
Publication: Research › Journal article – Annual report year: 2004

Udsætningsforsøg med ørred (Salmo trutta) i Gudenåen og Randers Fjord: Gennemført i 1982-83, 1987-89 og 1994-96

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Number of pages: 52
Publication date: 2004
Alling å, overset havørredvand

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 10-11
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 10
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226891
Publication: Research › Journal article – Annual report year: 2003

Århus å, bækørredbasser i storbyen

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 12-13
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 9
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226917
Publication: Research › Journal article – Annual report year: 2003
Brede å, reetableret drømmevand

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 14-15
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 7
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226892
Publication: Research › Journal article – Annual report year: 2003

Danish delayed release experiments with Baltic salmon (Salmo salar L.) 1995-99

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Pages: 1-18
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: ICES C.M. 2003/
Volume: R:04
Original language: English
Source: orbit
Source-ID: 227100
Publication: Research › Conference article – Annual report year: 2003

Gels å, kæmpernes gydeplads

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 12-13
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 7
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Giber å, en rigtig solstrålehistorie

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 14-15
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 9
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226894
Publication: Research › Journal article – Annual report year: 2003

Grenåen, super havørredvand

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 10-11
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 9
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226895
Publication: Research › Journal article – Annual report year: 2003

Gudenåen svømmer i laks

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 16-17
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 5
ISSN (Print): 0108-2000
Karup å, kæmpestore vildfisk

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 14-15
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 5
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226896
Publication: Research › Journal article – Annual report year: 2003

Kolding å med ægte vildfisk

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 14-15
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
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ISSN (Print): 0108-2000
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ISI indexed (2013): ISI indexed no
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Original language: Danish
Source: orbit
Source-ID: 226898
Publication: Research › Journal article – Annual report year: 2003

Kongeåen, havørred-lakse-vand

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 16-17
Lerkenfeldt å, havørredå tæt på toppen

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 8-9
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
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Ratings:
ISI indexed (2013): ISI indexed no
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Original language: Danish
Source: orbit
Source-ID: 226900
Publication: Research › Journal article – Annual report year: 2003

Lindenborg å, kæmper i klart vand

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 12-13
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 9
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226901
Publication: Research › Journal article – Annual report year: 2003
Lys fremtid for den danske å-laks

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 84-85
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 4
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 227192
Publication: Research › Journal article – Annual report year: 2003

Monitering af laks (Salmo salar) i vestsvenske elve - Fase 2

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management, Section for Population Ecology and Genetics
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern), E. Nielsen, E. (Intern)
Publication date: 2003

Publication information
Publisher: [s.n.]
Original language: Danish
Main Research Area: Technical/natural sciences

Bibliographical note
Rapport til DFFE
Source: orbit
Source-ID: 227104
Publication: Research › Report – Annual report year: 2003

Odense å, et havørred-skoleeksempel

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 12-13
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 10
ISSN (Print): 0108-2000
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ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Simested å, stor-ørred vand med problemer

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 14-15
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 8
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Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226904
Publication: Research › Journal article – Annual report year: 2003

Skals å, et mylder af fiskearter

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 8-9
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 10
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226905
Publication: Research › Journal article – Annual report year: 2003

Skjern å, bedre end nogensinde

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 18-19
Publication date: 2003
Main Research Area: Technical/natural sciences
Sneum å, fornem havørredbestand

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 8-9
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 5
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226907
Publication: Research › Journal article – Annual report year: 2003

Uggerby å, mange og store ørred

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstem), Rasmussen, G. (Intern)
Pages: 8-9
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 7
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226908
Publication: Research › Journal article – Annual report year: 2003

Vandmiljøplan II - anbefalinger i relation til laks og ørred

General information
Vidå, havørred come-back

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 18-19
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 6
ISSN (Print): 0108-2000
Ratings:
ISI indexed (2013): ISI indexed no
ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 227201
Publication: Research › Journal article – Annual report year: 2003

Vindinge å, Fyns anden store havørredå

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 14-15
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri
Volume: 10
ISSN (Print): 0108-2000
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ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 226914
Publication: Research › Journal article – Annual report year: 2003

Voer å, vandrig og fiskerig

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Nielsen, L. (Ekstern), Rasmussen, G. (Intern)
Pages: 10-11
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk & fri

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern), Therkildsen, B. (Intern)
Pages: 61-67
Publication date: 2002
Main Research Area: Technical/natural sciences

Publication information
Journal: Dansk Naturhistorisk Forenings Årsskrift
Volume: 12
ISSN (Print): 0905-5614
Ratings:
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ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Source: orbit
Source-ID: 227182
Publication: Communication › Journal article – Annual report year: 2002

Limfjordens ørred og ålebestande

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 151-159
Publication date: 2002

Host publication information
Title of host publication: Rapport for minisymposiet: Variationer i tid og rum af hydrografi, flora og fauna i Limfjorden, 4-5 september 2002
Editors: Støttrup, J., Dolmer, P., Hoffmann, E.
Main Research Area: Technical/natural sciences
Conference: Rapport for minisymposiet: Variationer i tid og rum af hydrografi, flora og fauna i Limfjorden, 01/01/2002
Source: orbit
Source-ID: 237654
Publication: Research › Article in proceedings – Annual report year: 2002

Management of recreational fisheries in Denmark

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern), Geertz-Hansen, P. (Intern), Jepsen, N. (Intern)
Pages: 157-159
Publication date: 2002
Nyere forskningsresultater inden for vandløb

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Number of pages: 200
Pages: 137-146
Publication date: 2002

Host publication information
Title of host publication: 3. World Recreational Fishing Conference : Conference proceedings
Main Research Area: Technical/natural sciences
Conference: World Recreational Fishing Conference, Darwin, Northern Territory, Australia, 01/01/2002
Source: orbit
Source-ID: 237655
Publication: Research › Article in proceedings – Annual report year: 2002

Overlevelse af yngel og ungfisk hos ørred

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Publication date: 2002
Main Research Area: Technical/natural sciences

Publication information
Journal: www.fiskepleje.dk
Original language: Danish
Links:
http://www.fiskepleje.dk/fiskebiologi/oerred/opvaekst.aspx
Source: orbit
Source-ID: 227196
Publication: Research › Journal article – Annual report year: 2002

Tilbageblik inden for forskning om ferskvandsfiskeriobiologi

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Number of pages: 200
Pages: 21-31
Publication date: 2002

Host publication information
Title of host publication: At leve med de ferske vande - dengang, nu og i fremtiden
Place of publication: Silkeborg
Publisher: Ferskvandsfiskeriforeningen for Danmark
Editors: Goldschmidt, H., Braagaard, S.
ISBN (Print): 87-98-92230-0
Main Research Area: Technical/natural sciences
Fisheries management in inland and coastal waters in Denmark from 1987 to 1999

Fishing is a major recreational activity in Denmark, involving both inland and coastal waters. Anglers, aged 18-67, and amateur fishermen, aged 12-67, must hold a valid fishing permit. Fees are used for stocking, river restoration and fisheries research. All proposals for stocking inland waters require stocking plans based on the carrying capacity of the aquatic habitat in question. All stocking is undertaken using hatchery-reared fish that are the offspring, either of wild fish caught in nature for subsequent stripping, or of more or less domesticated fish stocks that have lived in captivity for several generations. Stocking is also subject to genetic guidelines. This paper reviews the status of fisheries in Danish inland waters, their regulation, socio-economic aspects, stocking, aquaculture and the main problems and trends.

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern), Geertz-Hansen, P. (Intern)
Pages: 311-322
Publication date: 2001
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisheries Management and Ecology
Volume: 8
Issue number: 4-5
ISSN (Print): 0969-997X
Ratings:
BFI (2018): BFI-level 1
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Web of Science (2017): Indexed Yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 1.85 SJR 0.843 SNIP 0.88
BFI (2015): BFI-level 1
Scopus rating (2015): SJR 0.988 SNIP 1.159 CiteScore 1.91
BFI (2014): BFI-level 1
Scopus rating (2014): SJR 0.913 SNIP 0.995 CiteScore 1.85
BFI (2013): BFI-level 1
Scopus rating (2013): SJR 0.737 SNIP 0.807 CiteScore 1.36
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): SJR 0.636 SNIP 0.868 CiteScore 1.32
ISI indexed (2012): ISI indexed yes
Web of Science (2012): Indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): SJR 0.844 SNIP 0.932 CiteScore 1.29
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): SJR 0.847 SNIP 0.808
Web of Science (2010): Indexed yes
BFI (2009): BFI-level 1
Scopus rating (2009): SJR 0.796 SNIP 0.936
BFI (2008): BFI-level 1
Scopus rating (2008): SJR 0.823 SNIP 0.87
Web of Science (2008): Indexed yes
Scopus rating (2007): SJR 0.813 SNIP 1.255
Web of Science (2007): Indexed yes
Danske lakseudsætninger i Østersøen

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Pages: 20-31
Publication date: 2000
Main Research Area: Technical/natural sciences

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ISSN (Print): 0105-9211
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ISI indexed (2013): ISI indexed no
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Original language: Danish
Links:
Source: orbit
Source-ID: 227185
Publication: Research › Journal article – Annual report year: 2001

Fisheries management in fresh and coastal waters in Denmark in the period 1987-1999

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern), Geertz-Hansen, P. (Intern)
Pages: 1-17
Publication date: 2000

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Title of host publication: European Inland Fisheries Advisory Commission (EIFAC). Symposium on Fisheries and Society.
Social, Economic and Cultural Perspectives of Inland Fisheries, Budapest, Hungary, 1-3 June
Main Research Area: Technical/natural sciences
Conference: European Inland Fisheries Advisory Commission (EIFAC). Symposium on Fisheries and Society. Social, Economic and Cultural Perspectives of Inland Fisheries, Budapest, Hungary, 1-3 June, 01/01/2000
Source: orbit
Fiskepleje gennem 500 år

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 26-35
Publication date: 2000
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk og Hav
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ISSN (Print): 0105-9211
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ISI indexed (2012): ISI indexed no
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Original language: Danish
Links:
Source: orbit
Source-ID: 227186
Publication: Research › Journal article – Annual report year: 2000

Fiskepleje i vandløb

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Pages: 36-45
Publication date: 2000
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisk og Hav
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Ratings:
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ISI indexed (2012): ISI indexed no
ISI indexed (2011): ISI indexed no
Original language: Danish
Links:
Source: orbit
Source-ID: 227187
Publication: Research › Journal article – Annual report year: 2000


General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Rasmussen, G. (Intern)
Number of pages: 8
Publication date: 2000
Prespawning migratory behaviour and spawning success of sea-ranched Atlantic salmon, Salmo salar L., in the River Gudenaa, Denmark

The migratory behaviour of sea-ranched Atlantic salmon, Salmo salar L., was analysed by radio-telemetry in the River Gudenaa, Denmark. The main objectives were to: (1) estimate mortality of returning adults through the fjord; (2) observe rate of progression and migratory pattern in the fjord and river; and (3) record whether spawning occurs in the river. Forty-two returning salmon (19 males and 23 females of total body length from 60-97 cm) reared and released as smolts, were caught and equipped with external radio transmitters in the outer estuary of the River Gudenaa in 1994 and 1995. Of the tagged salmon, 18 (43%) were caught in the estuary, four (10%) were not recorded after release and 20 (47%) entered the river. The mean rate of progression through the fjord was 7.6 km d(-1) (range 1.4-18.2) in 1994 and 5.4 km d(-1) (range 1.6-17.1) in 1995. Eleven salmon were alive at the onset of the spawning period. Eight were retrieved dead from the river during or after the spawning period; four with empty gonads assumed to be successful spawners, and four with intact gonads. In 1994, unsuccessful spawners (found dead with intact gonads) entered the river earlier and had a longer total migration distance in the river compared to successful spawners. This suggests that spawning success of sea-ranched salmon is associated with time of river entry and river migration length.
Survival of sea-water-adapted trout, Salmo trutta L., ranched in a Danish fjord

The effect of seawater adaptation on the survival of coastally released post-smelt trout, Salmo trutta L., was investigated by release: (1) directly (with no adaptation); (2) after retention in net pens in the sea for 29-131 days (delayed release); (3) after feeding with a high salt diet (12-13.5% NaCl) for 4 weeks; and (4) after a combination of (2) and (3). In total, 17,640 trout (age = 1+, 1.5 and 2+ years; mean fork lengths = 18.2-25.6 cm) were released in 14 batches in the summer or autumn months of 1986-1989. All fish were of domesticated origin and Carlin tagged. Survival and instantaneous mortality rates (total and fishing mortality) were estimated from reported recaptures. Mortality rates were estimated for: (1) the post-smelt period; (2) the period until the legal size of capture (40 cm) was attained; and (3) for larger sea-trout. Release with a delay of 4 weeks gave an increased survival rate. A longer adaptation period did not increase survival. On average, survival was increased by 36%. Survival was not increased by high-salt diets. Until attainment of the legal size for capture, survival was 9.6% higher on average, with extremes as low as 1.7% and as high as 38% in individual batches.

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern)
Pages: 295-303
Publication date: 2000
Main Research Area: Technical/natural sciences

Publication information
Journal: Fisheries Management and Ecology
Volume: 7
Issue number: 4
ISSN (Print): 0969-997X
Ratings:
BFI (2018): BFI-level 1
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Movements of two strains of radio tagged Atlantic salmon, Salmo salar L., smolts through a reservoir

Smolt migration through a shallow and turbid hydro-reservoir in a major Danish river system was investigated using radiotelemetry. Hatchery-reared 1+-year-old Atlantic salmon, Salmo salar L., smolts of equal size from two different non-native strains were radio-tagged and followed during their downstream migration through the 12-km-long reservoir. A total of 50 salmon smolts, 25 of Swedish (Atran River) and 25 of Irish (Burrishoole River) origin, were surgically implanted with miniature radiotransmitters. The tagged smolts were tracked daily over a 3-week period in May 1996. The Atran smolts initiated migration first (P <0.001), moved faster (P <0.01), were delayed less when passing a culvert (P <0.001) and were more successful in moving through the reservoir than the Burrishoole smolts. The observed differences in migratory behaviour are interpreted as evidence of a genetic component influencing smolt migration.
Survival of radio-tagged Atlantic salmon (Salmo salar L.) and trout (Salmo trutta L.) smolts passing a reservoir during seaward migration

High mortality-rates of seaward migrating salmonid smelts when passing reservoirs and lakes have earlier been found in the Danish River Gudenå watershed. To reveal the causes of mortality of migrating smelts in Lake Tange, a 12 km long, shallow reservoir, 50 salmon smelts and 24 trout smelts were tagged with internal miniature radio-transmitters, and released in the river just upstream the reservoir on May 1, 1996. The salmon smelts were hatchery-reared, while the trout smelts were wild fish, caught in a smelt trap. The tagged smelts were tracked daily for 3 weeks, and when possible the cause of death was determined. During the 3-week period, 90% of the tagged smelts died. The main cause of death for both trout and salmon was predation from fish and birds. The most important predator was pike (Esox lucius L.), being responsible for 56% of the observed mortality. Avian predators were assumed to be responsible for 31% of the observed mortality. No trout smelts left the reservoir, but 5 salmon-smelts got out through the turbines. Others did traverse the reservoir, but were unable to enter the river downstream, and were later eaten. The present results suggest that mortalities for migrating smolts through Lake Tange are of such a magnitude, that stocking of juveniles in the river Gudenå, upstream Tange, is unrealistic under present conditions.
Eleven Danish brown trout hatchery strains were studied by PCR-RFLP analysis of the ND-I and ND-5/6 segments of the mitochondrial genome. For comparison, data from wild trout representing three Danish river systems also were included. Reduced variability in terms of nucleon diversity and number of haplotypes was observed in most hatchery strains. However, computer simulations showed that even with relatively large numbers of female spawners considerable loss of haplotypes could take place over time. Therefore, reduced variability in some of the strains did not necessarily indicate a critical loss of allelic variation at nuclear loci. The genetic relationships among the strains were compared with information from hatchery managers on the origin of the strains. In one case, a strain supposed to be recently founded from wild trout appeared to be of a mixed wild and hatchery origin. Genetic differentiation among strains (\( \Phi_{ST} = 0.23 \)) was of the same order of magnitude as that observed among wild Danish trout populations. However, minimal differentiation (\( \Phi_{ST} = 0.01 \)) was observed among the four quantitatively most important strains, supplying 80% of all hatchery trout stocked in Denmark. (C) 1997 Elsevier Science B.V.
Havørredbestandene i Odense Å og Stavids Å systemerne i relation til Fynsværket

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Koed, A. (Intern), Rasmussen, G. (Intern), Rasmussen, E. (Ekstern)
Number of pages: 116
Publication date: 1997

Publication information
Place of publication: Silkeborg
Publisher: Danmarks Fiskeriundersøgelser
ISBN (Print): 87-88047-10-5
Original language: Danish
Series: DFU-rapport
Number: 29-97
Main Research Area: Technical/natural sciences
Electronic versions:
29_97_hav_redbestandene_i_odense_og_stavids_systemerne_i_relation_til_fynsv_rket.pdf
Source: orbit
Source-ID: 226252
Publication: Research › Report – Annual report year: 1997

Smoltdødeligheder i Tange sø, undersøgt i foråret 1996

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Jepsen, N. (Intern), Aarestrup, K. (Intern), Rasmussen, G. (Intern)
Number of pages: 30
Publication date: 1997

Publication information
Place of publication: Silkeborg
Publisher: Danmarks Fiskeriundersøgelser
ISBN (Print): 87-88047-16-4
Original language: Danish
Series: DFU-rapport
Number: 32-97
Main Research Area: Technical/natural sciences
Electronic versions:
32_97_smoltd_deligheder_i_tange_s_.pdf
Source: orbit
Source-ID: 226025
Publication: Research › Report – Annual report year: 1997

Stocking of fish in Denmark

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern), Geertz-Hansen, P. (Intern)
Mortality of sea trout (Salmo trutta L.) and Atlantic salmon (S. salar L.) smolts during seaward migration through rivers and lakes in Denmark
General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources, Section for Freshwater Fisheries Ecology
Authors: Rasmussen, G. (Intern), Aarestrup, K. (Intern), Jepsen, N. (Intern)
Publication date: 1996
Main Research Area: Technical/natural sciences

Publication information
Journal: ICES CM 1996/
Volume: M:9
Original language: English
Source: orbit
Source-ID: 227194
Publication: Research › Conference article – Annual report year: 1996

Tangetrappen 1994-95

General information
State: Published
Organisations: Section for Freshwater Fisheries Ecology, National Institute of Aquatic Resources, Institute Management
Authors: Koed, A. (Intern), Rasmussen, G. (Intern), Holdensgaard, G. (Ekstern), Pedersen, C. (Ekstern)
Number of pages: 44
Publication date: 1996

Publication information
Place of publication: Silkeborg
Publisher: Danmarks Fiskeriundersøgelser
Original language: Danish
Series: DFU-rapport
Number: 8-96
Main Research Area: Technical/natural sciences
Electronic versions:
8_96_tangetrappen_1994_95.pdf
Source: orbit
Source-ID: 226274
Publication: Research › Report – Annual report year: 1996

Udsætningsforsøg med ørred, ( Salmo trutta L.) i jyske og sjællandske vandløb

General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Glüsing, H. (Ekstern), Rasmussen, G. (Intern)
Publication date: 1996

Publication information
Place of publication: Silkeborg
Publisher: Danmarks Fiskeriundersøgelser
ISBN (Print): 87-88047-41-5
Original language: Danish
Series: DFU-rapport
Number: 21-96
Main Research Area: Technical/natural sciences
Electronic versions:
21_96_uds_tningsfors_g_med_rred_i_jyske_og_sj_llandske_vandl_b.pdf
Source: orbit
Source-ID: 225522
Publication: Research › Report – Annual report year: 1996

Udsætningsforsøg med Østersølaks
General information
State: Published
Organisations: Institute Management, National Institute of Aquatic Resources
Authors: Glüsing, H. (Ekstern), Rasmussen, G. (Intern)
Number of pages: 48
Publication date: 1996

Publication information
Place of publication: Silkeborg
Publisher: Danmarks Fiskeriundersøgelser
Original language: Danish
Series: DFU-rapport
Number: 6-96
Main Research Area: Technical/natural sciences
Electronic versions:
6_96_udtningfors_a_med_sters_laks.pdf
Source: orbit
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Publication: Research › Report – Annual report year: 1996

Assessment of the stocked or wild origin of anadromous brown trout (Salmo trutta L.) in a Danish river system, using mitochondrial DNA RFLP analysis

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Organisations: Section for Population Ecology and Genetics, National Institute of Aquatic Resources, Institute Management
Authors: Hansen, M. M. (Intern), Hynes, R. (Ekstern), Loeschcke, V. (Ekstern), Rasmusssen, G. (Intern)
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Authors: Pedersen, S. (Intern), Rasmussen, G. (Intern), Ebert, K. (Ekstern)
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Modelling waste output from troutfarms

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The distribution of Danish freshwater fishes (38269)

The objectives of this project are, for the first time in almost 100 years, to produce and in a book present an updated distribution map of all freshwater fishes found in Danish fresh waters. The results will act as a reference point when analyzing both previous and future changes in the distribution of freshwater fishes in Denmark, e.g. related to climatic changes.

Until the beginning of this project the geographic distribution of freshwater fishes in Denmark was not known in detail. For many species we only knew in which part of the country and maybe in which river system they live now or had lived earlier. Thus, our knowledge was incomplete and in general fragmented and consequently hard to find. In addition much of the existing information was old and newly arrived alien species had not been registered correctly. Thus, there was a need for a complete and updated status on the distribution of freshwater fish. Such a status will be a milestone in Danish inland fisheries research and management. Its value in relation to research and management as well as providing public access to correct information will be high. As an example the database has been used to revise the red data list for freshwater fishes in Denmark.

In this project we have 1) collected existing data on the occurrence of freshwater fish from public and private institutions and 2) gathered information from the public on catches and other observations of freshwater fish. As supplement we have 3) made targeted surveys to fill gaps and improve knowledge on rare species. All this information have been 4) combined in a GIS-based database. Finally we have 5) presented the complete set of information on geographical distribution of freshwater fishes in Denmark in a book also containing detailed information on the biology and ecology of all species (native and alien) present in Denmark.
The book was published in 2012 and contains 700 pages. It is written in Danish and illustrated with a large number of high quality photos of all species. It is written by 5 main authors (two of which are from DTU Aqua) and a few guests (one from DTU Aqua). Even though written to a broad audience, it is fully documented with references in the text. Due to private funding it has been possible to distribute the book at a very low price, 399 DKK (ca. 53 €). The revenue from the sale is reserved for a future revision and re-publishing of the book.

The project was coordinated by Natural History Museum of Denmark, University of Copenhagen, Denmark.

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National Institute of Aquatic Resources
Section for Freshwater Fisheries Ecology
University of Copenhagen
Period: 01/01/2006 → 30/12/2012
Number of participants: 2
Research area: Freshwater Fisheries and Ecology
Project Manager, academic:
Rasmussen, Gorm (Intern)
Berg, Søren (Intern)

Assess the yield from eel stocking in a marine fjord (38262)
The overall objective of the project was to estimate the outcome of stocking eel in a marine area, to estimate the yield to the fishery and the proportions of eels escaping the fishery. To reach this goal it was necessary to estimate the total catch in the fjord, the fishing mortality and whether eels stay in the fjord area or migrate to adjacent waters.

Stocking is a widely used measure to enhance local eel populations throughout Europe. About 1.5 million elvers are stocked annually in Danish marine waters. There are only vague indications that these stockings actually improve the number of fish that are available to the fisheries and the spawning population.

In 1998 and 1999 a total of 100,000 coded wire tagged eel were stocked in the inner parts of Roskilde Fjord. During 1999-2015 the eel catches made by professional and recreational fishermen were analyzed for recapture of tagged fish in order to establish the ratio of tagged to untagged fish in the eel catches. Based on the knowledge of numbers of fish caught in the yellow eel fishery as well as the silver eel fishery, the yield to the fishery was calculated. Migration patterns of the stocked eel were studied by collecting data from different strata of the fjord and adjacent fisheries, Isefjord and Arresø. Migrating silver eels were Carlin tagged and released to the fishery in September and October. Based on reported recaptures from fishermen an estimate of fishing mortality was established as well as of the number of silver eels leaving the Fjord and migrating toward the Sargasso spawning grounds. The total catches made by recreational fishermen were established through questionnaires to recreational fishermen.

The overall result suggests that about 13 % of the stocking were captured by the fishery in Roskilde Fjord and 5 % left the fjord as silver eels on spawning migration.

This project was coordinated by DTU Aqua.

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National Institute of Aquatic Resources
Section for Freshwater Fisheries Ecology
Period: 01/01/1996 → 31/12/2015
Number of participants: 5
Research areas: Freshwater Fisheries and Ecology & Coastal Ecology
Project participant:
Christensen, Hans-Jørn Aggerholm (Intern)
Carøe, Morten (Intern)
Mikkelsen, Jørgen Skole (Intern)

Project Coordinator: