



2016-09-05

MSC Fishery Surveillance Announcement

Faroe Islands Queen Scallop

Name of Fishery	Faroe Islands Queen Scallop	
Surveillance level and type	Level 6 surveillance: on-site surveillance	
Surveillance number (tick one)	1st Surveillance	
	2nd Surveillance	
	3rd Surveillance	X
	4th Surveillance	
	Other (expedited etc)	
Proposed Team Leader	<p>Tristan Southall – Team Leader, on-site</p> <p>Primarily responsible for Principle 3</p> <p>Tristan is an experienced marine and fisheries industry analyst with a range of professional experience in questions of sustainable marine resource exploitation, working with a wide spectrum of stakeholders but with particular focus and expertise on the management and evaluation of capture fisheries, both in the UK, EU and internationally. His consultancy expertise includes project management, fisheries liaison, feasibility studies, stakeholder consultation, policy analysis and management advice and draws on an extensive understanding of fishery management and operations, as well as strong experience and understanding of a number of other marine industries – notably aquaculture. This focus on management is supported by a solid understanding and appreciation of marine ecosystems and a practical understanding of working at sea.</p> <p>Tristan has considerable professional experience of the EU Common Fisheries Policy and has coordinated EU fisheries training and promotion activities – covering all aspects of sustainable fisheries management and control. In addition, Tristan has excellent understanding of a range of non-EU fishery management systems in countries as diverse as Turkey, Suriname and the Gambia, meaning that his expertise and experience is applicable to a wide variety of situations, enabling valuable comparative analysis. In recent years Tristan has put his skills and extensive fisheries management experience to good use in undertaking a number of MSC sustainability assessments of fisheries around the world and is increasingly serving as team leader on assessment teams. As a result, he has an excellent understanding of MSC Fisheries Assessment Methodology, and equally importantly, it's practical application.</p> <p>Vottunarstofan Tún confirms that Mr Southall meets the fishery team leader qualification and competency criteria specified in Annex PC1, Table PC1, in particular:</p> <ul style="list-style-type: none"> - has a university degree (Ph.D.) in marine biology and resource management; - has over five years' experience in the fisheries sector related to the tasks under his responsibility; - has passed MSC team leader and RBF training; 	

	<ul style="list-style-type: none"> - meets the qualifications and has the competencies specified in section 2 of Table PC1; - has undertaken 2 MSC fishery assessments or surveillance site visits as team member in the last 5 years; - has the experience in applying different types of interviewing and facilitation techniques and the ability to effectively communicate with the client and other stakeholders. <p>Furthermore, Mr. Southall has the qualifications and competencies required for serving as an assessor on Principle 3 as outlined in Annex PC3, Table PC3.</p> <p>Vottunarstofan Tún confirms that Mr. Southall has no conflicts of interest in relation to the fishery under surveillance.</p>
Proposed team members	<p>Dr. Guðrún Þórarinsdóttir – team member</p> <p>Primarily responsible for Principles 1 and 2</p> <p>Gudrun G. Þórarinsdóttir completed her doctorate from University of Aarhus with aquaculture and biology of <i>Chlamys islandica</i> as a research subject. Dr. Þórarinsdóttir has lectured and supervised research students for post-graduate programs in marine biology at the University of Iceland and for the Fisheries Training program at the United Nations University. She is a member of the ICES working group on Aquaculture Culture (WGAQUA) and has written extensively on her core specialties, i.e. the biology and environmental impact of harvesting of bivalves especially scallops and ocean quahogs and sea cucumber, in Icelandic waters. Currently Dr. Þórarinsdóttir is serving as marine biologist at the Marine Research Institute in Reykjavík. Dr. Þórarinsdóttir served as a member of the original assessment team for the Faroe Islands Queen Scallop fishery in 2012-13 and was a member of the assessment team during the first and second surveillance of that fishery in 2014 and 2015.</p> <p>Vottunarstofan Tún confirms that Dr. Þórarinsdóttir meets the fishery team member qualification and competency criteria specified in Annex PC2, Table PC2, in particular:</p> <ul style="list-style-type: none"> - has a university degree (Ph.D.) in marine biology; - has over five years' experience in the fisheries sector related to the tasks under her responsibility; - has passed MSC team member training course (in 2014). <p>Dr. Þórarinsdóttir has the qualifications and competencies required for serving as an assessor on Principles 1 and 2, as well as current knowledge of the country, language and local fishery context, as outlined in Annex PC3, Table PC3.</p> <p>Vottunarstofan Tún confirms that Dr. Þórarinsdóttir has no conflicts of interest in relation to the fishery under surveillance.</p>
Audit/review time and location	<p>On-site surveillance audit will be conducted in Tórshavn, the Faroe Islands, on the 7th to 9th of November 2016.</p> <p>The anniversary date of the certificate is 5 September. FCR v2.0 allows for audits to be undertaken up to 6 months earlier or later than the anniversary date. The audit is planned two months after the anniversary of the certificate due to the suspension of the fishery last year.</p>
Assessment/ review activities	<p>The assessment team will engage with the client, conduct stakeholder interviews as appropriate and review, among other things, the following:</p> <ul style="list-style-type: none"> - any significant changes to the fishery, its management and science, - performance in relation to recommendations relevant to the fishery, and

	- any developments or changes within the fishery that may impact traceability and segregation of MSC certified products.
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Vottunarstofan Tún will be conducting an on-site surveillance audit **during the period 7-9 November 2016** in Tórshavn, the Faroe Islands.

We would like to invite stakeholders with an interest in this fishery to contact the lead assessor, Tristan Southall (tristan@tdsouthall.co.uk) or Tún's office contact person (log@tun.is), if they wish to submit comments for consideration by the surveillance team or to ask to speak to members of the surveillance team.

Stakeholders wishing to submit any written information and/or wishing to meet with members of the assessment team in association with this surveillance audit are asked to send their information and/or requests to the Tún contact below **by 17.00 GMT on Friday 14 October 2016**, providing the following information:

- (1) their name and contact details,
- (2) their association with the fishery under surveillance and
- (3) the issues that they wish to discuss.

Information about this fishery can be accessed on MSC's website: https://www.msc.org/track-a-fishery/fisheries-in-the-program/certified/north-east-atlantic/faroe_islands_queen_scallop/assessment-downloads

The MSC has developed a guide for stakeholder input, available at <http://www.msc.org/documents/get-certified/stakeholders> and a template for stakeholder response available at http://www.msc.org/documents/get-certified/stakeholders/template_for_stakeholder_input.

You may use the template or provide your response in any other format.

Any enquiries, request for meeting or other information, may be sent to the following:

Vottunarstofan Tún ehf.
 Parabakki 3, IS-109 Reykjavík
 Tel.: +354 511 1330
log@tun.is

Submitted by: Mrs Lovísa Guðmundsdóttir
Date: 2016-09-01

Appendix 1: CVs of team leader and team member

1. Mr. Tristan Southall (team leader)

Profession: Marine resource management policy analyst

Key Qualifications

Tristan is an experienced marine and fisheries industry analyst with a range of professional experience in questions of sustainable marine resource exploitation, working with a wide spectrum of stakeholders but with particular focus and expertise on the management and evaluation of capture fisheries, both in the UK, EU and internationally. His consultancy expertise includes project management, fisheries liaison, feasibility studies, stakeholder consultation, policy analysis and management advice and draws on an extensive understanding of fishery management and operations, as well as strong experience and understanding of a number of other marine industries – notably aquaculture. This focus on management is supported by a solid understanding and appreciation of marine ecosystems and a practical understanding of working at sea.

Tristan has considerable professional experience of the EU Common Fisheries Policy and has coordinated EU fisheries training and promotion activities – covering all aspects of sustainable fisheries management and control. In addition Tristan has excellent understanding of a range of non-EU fishery management systems in countries as diverse as Turkey, Suriname and the Gambia, meaning that his expertise and experience is applicable to a wide variety of situations, enabling valuable comparative analysis. In recent years Tristan has put his skills and extensive fisheries management experience to good use in undertaking a number of MSC sustainability assessments of fisheries around the world and is increasingly serving as team leader on assessment teams. As a result he has an excellent understanding of MSC Fisheries Assessment Methodology, and equally importantly, it's practical application.

Education

2000 - 2001	MSc Marine Resource Development & Protection, Heriot Watt University, (Distinction)
1994 – 1998	BSc (Hons) Marine Biology (2:1), University of Newcastle upon Tyne

Experience Record

2005 -	Independent Fisheries & Marine Industry Consultant – www.tdsouthall.co.uk
2007 -	Fisheries Assessor with Food Certification International
2006 – 2007	Fisheries Training & Promotions Advisor for EC Technical Assistance Project to Turkish Ministry of Agriculture & Rural Affairs.
2001 - 2004	Nautilus Consultants Ltd.
1999 - 2000	Assistant Manager & Research Coordinator, Technical Dept. Marine Harvest (Scotland)
1998 - 1999	Trainee Manager, Marine Harvest McConnell
1996 - 1997	Research Assistant, Brackish Water Aquaculture Development Centre, Java, Indonesia.
1994	Teaching and research assistant in bio-intensive and sustainable rural agriculture, 'Hlekweni', Friends Rural Service Centre, Zimbabwe

Geographical Project Experience

Europe: England, Scotland (inc. Orkney, Shetland & Hebrides), Wales, Republic of Ireland, France, Greece, Netherlands, Belgium, Spain, Turkey, Denmark, Sweden, Norway.

Global:

Zimbabwe, Senegal, Gambia, Suriname, Russia, Indonesia, Australia

Further Skills

English: Written: 5, Spoken: 5, Reading: 5 (Mother Tongue)

French: Written: 3, Spoken: 4, Reading: 4

Spanish: Written: 2, Spoken: 3, Reading: 2

Bahasa Indonesia: Written: 1, Spoken: 2, Reading: 1

MS Office, statistical and MCDA software packages.

RYA Yachtmaster® (with MCA Commercial Endorsement), RYA dinghy instructor, Sea Survival certificate, Red Cross First Aid.

Member of **UK Fisheries Economics Network**

Fishery Sustainability Assessments

Tristan Southall is a fully trained and qualified Marine Stewardship Council (MSC) fishery assessor and has completed many assessments, in association with Food Certification International Ltd, typically serving as team leader and Principle 3 expert. Examples of completed assessments are highlighted below:

SPFPO Swedish North Sea Herring (Pelagic Trawl)

SPFPO (2013)

SSMO Shetland inshore brown & velvet crab, lobster and scallop fishery

Shetland Shellfish Management Organisation (2012).

Suriname Seabob (Demersal Trawl)

The Heiploeg Group (2011)

Danish Plaice (Demersal Trawl, Danish Seine & gill net)

DFPO (2011)

Barents Sea Cod & Haddock (Demersal Trawl)

Ocean Trawlers (2011)

St Helena Tuna (Pole & line)

The St Helena Development Agency (SHDA) (2010)

Dutch North Sea Sole (Gill net)

Dutch Fisheries Organisation (2009)

Western Mackerel (2) / Celtic Sea Herring (Pelagic Trawl).

Irish Pelagic Sustainability Group (2008-9) & Irish Pelagic Sustainability Association (2010) & CSHMAC (2012)

The Gambian Artisanal Sole Fishery & pilot of MSC data deficient, risk-based methodology.

Marine Stewardship Council (2008)

North Sea Herring/ West of Scotland Herring / Western Mackerel / Atlanto Scandian Herring (Pelagic Trawl).

Scottish Pelagic Sustainability Group (2007-2012)

In addition to the above, Tristan has also undertaken an extensive range of confidential pre-assessments, advising fishery clients on requirements of good management.

Selected Consultancy Record

Training and Capacity Building Toolkit on Fishery Performance Requirements for MSC Certification.

Marine Stewardship Council (2014)

BT Highlands & Islands Cable Project – Fisheries Liaison.

TeleSecure Limited (2014)

Solway Firth Cockle Fisheries; a Review of Management Options.

Solway Firth Partnership (2013-2014)

Two independent reviews of proposed changes to the MSC fisheries certification methodology.

Marine Stewardship Council (2013)

Western Australia Multi Species Pre-assessment (Gasgoyne Bioregion)

Western Australia Department of Fisheries (2013)

Project Inshore – A multi-species MSC Pre-assessment & IFCA Sustainability Review.

Project Partners: Seafish / MMO / MSC (2012-2014)

Fisheries Liaison Officer – Kyle Rhea Tidal Turbine proposal.

Marine Current Turbines (2011-12)

Environmental Impact Assessment – Impact of Kyle Rhea Tidal Turbine proposal on Commercial fisheries.

Marine Current Turbines (2012)

Policy review of climate friendly, low impact fisheries under the reformed EU Common Fisheries Policy.

Seas at Risk (2011)

Review of current status of the Severn Estuary area of the enlarged Devon and Severn IFCA.

DEFRA (2011)

Seaweed Cultivation: Scoping and advice into the potential for the Scottish industry in terms of technology, R & D, markets and regulation.

Scottish Enterprise (2011)

Socio-economic assessment of potential impacts of new and amended legislation on the cultivation of fish and shellfish species of current commercial importance.

Scottish Aquaculture Research Forum (2008/09)

Economic impact appraisal of Solway Shellfish Management Trading Ltd (SSMT) Regulating Body

Scottish Enterprise, Dumfries and Galloway (2008)

Review, revise and update of the Sea of Marmara ecosystem based fishery management plan for the Government of Turkey Ministry of Agriculture & Rural Affairs.

Agrotec Spa / European Commission (2006 – 2007)

EU Fisheries Training & Promotion Advisor for Technical Assistance Project to the Government of Turkey Ministry of Agriculture & Rural Affairs.

European Commission (2006 – 2007)

Audit of UK Fisheries Producer Organisations – Operation, Management structures and practice.

DEFRA (In association with SEERAD) (2006)

Strategic Environmental Assessment of the Scottish Aquaculture Relocation Programme.

Scottish Executive (Location / Relocation Working Group) (2006)

Moray Firth Fisheries Action Group Feasibility Study.

Moray Firth Partnership (2005/6)

Decision Making Mechanisms for the Marine Environment

Scottish Executive (2005)

New jobs for the fishing industry, Hastings

Hastings Borough Council (2004)

Shoreham Fisheries Project

Adur economic partnership (2004)

Scottish Sustainable Marine Environment Initiative

Scottish Executive (2003 - 2004)

Placing and advancing the North Shields fishing industry in its market context.

North Tyneside Council (2003)

UK contribution to an EU wide database of approved seafood processors.

EC Quality of Life and Management of Living Resources Programme (2003)

Scaling the costs and benefits of fishery management / marine conservation impacts.

English Nature (2002 – 2003)

Achieving improved efficiencies in seafood distribution to and from NE Scotland

Northern Maritime Corridor Partnership, Aberdeenshire Council (2002-2003)

Update of Merseyside Objective 1 FIFG Funding Review and compilation of local fisheries interests database.

Government Office of the North West, 2002

Feasibility study for fish waste ensilage plant in south west Ireland

Private Client (2002)

Arrange and facilitate Sustainable Environmental Aquaculture Feeds (SEAfeeds) workshop.

EC Quality of Life and Management of Living Resources Programme (2002-2003)

Market guide tour of the EU for Kenyan and Ghanaian seafood exporters

UN International Trade Centre, Geneva (2002)

Socio-economic study of the Sunderland inshore fishing fleet.

Port of Sunderland (2002)

The Kiev Report – an indicator based assessment of Europe’s Environment (Fisheries & Aquaculture chapter)

European Environment Agency (2002)

The Solway Firth shellfishery – application for a Regulating Order

Dumfries and Galloway Council (2001)

The use of Environmental Risk Assessment in Aquaculture

FAO (2001)

Review of North Sea Fishing Activity: A security assessment for an underwater fibre optic cable

Private Client (2001)

Comparative competitor trial of diets used in freshwater Atlantic salmon hatcheries.

Marine Harvest (Scotland) (1999)

2. Dr. Gudrún G. Thorarinsdóttir (team member)

PRESENT POSITION/INSTITUTION: Marine biologist at the Marine Research Institute in Reykjavik, Iceland.

Skúlagata 4, Reykjavík, Iceland.

A specialist in bivalves, (aquaculture, stock assessments, research on age, growth etc) sea cucumber and sea urchins.

EDUCATION:

Graduated with B.Sc. Degree in biology from the University of Iceland in 1981.

Graduated with a degree in pedagogy from the University of Iceland in 1983.

Cand Scient degree in marine biology from the Faculty of Science at The University of Aarhus, Denmark in 1987. Project: “Culture of *M. edulis* in Hvalfjörður, Iceland” Supervisor; Professor J. Hylleberg.

Ph-degree from the Faculty of Science at The University of Aarhus, Denmark in 1993. Project: "Culture of *C. islandica* in Breidafjörður Iceland” Supervisor; Professor J. Hylleberg, Aarhus University, Denmark.

TEACHING EXPERIENCE

A teacher in biology and chemistry at a college in Reykjavik 1982-1985

Teaching at a course to master's degree in marine biology at the University of Iceland, 1999.

A senior supervisor to a master student in marine biology at The University of Iceland (1998-2000). Project title: Distribution and abundance of juvenile bivalves in Sletta and Adalvík NW Iceland, with emphasis on ocean quahog.

A junior supervisor to a master student in marine biology and applied science photography at RMIT University, Melbourne, Australia (1999-2001). Project title: Multimedia as a teaching tool in marine biology.

A senior supervisor to a master student in marine biology at The University of Iceland (2002-2005). Project title: The effect of environment and fisheries on the status of Iceland scallop.

Teaching a course in utilizations of mollusc at the United Nations University-Fisheries Training Programme, 2006-2011.

PROFESSIONAL EXPERIENCE:

A leader of following projects supported by the National

Member of ICES Working Group on Aquaculture (WGAQUA) to present.

Member of Aquaculture Europe to present.

Censor to Bsc. degree in marine biology at the University of the Faroe Islands, 2011.

Censor to Bsc. degree in marine biology at the University of Iceland, Akureyri, 2011.

PUBLICATIONS IN SCIENTIFIC JOURNALS:

G. G. Thórarinsdóttir, 1991. The Iceland scallop, *Chlamys islandica* (O.F. Müller) in Breidafjörður, west Iceland. I. Spat collection and growth during the first year. *Aquaculture*, 110, 87-96.

G. G. Thórarinsdóttir, 1993. The Iceland scallop, *Chlamys islandica* (O.F. Müller), in Breidafjörður, west Iceland. II. Gamete development and spawning. *Aquaculture*, 110: 87-96.

G. G. Thórarinsdóttir, 1994. The Iceland scallop, *Chlamys islandica* (O.F. Müller), in Breidafjörður, west Iceland. III. Growth in suspended culture. *Aquaculture*, 120: 295-303, 1994.

G. G. Thórarinsdóttir, 1995. The feasibility of suspended culture of scallops (Pectinidae). Proceedings of the Sixth International Workshop of the Tropical Marine Mollusc Programme (TMMP) 1995. Phuket Marine Biological Center Special, Publication No.14, 1995, 12 pp.

G. G. Thórarinsdóttir, 1996. Gonad development, larval settlement and growth of *Mytilus edulis* L., in a suspended population in Hvalfjörður, southwest-Iceland. *Aquaculture Research*, 27, 57-65.

G. G. Thórarinsdóttir, 1996. Experimental cultivation of *Mytilus edulis* L. in south-west Iceland. *Hydrores* 12 (13) 7-11.

G. G. Thórarinsdóttir and S. Einarsson, 1996. Distribution and abundance of ocean quahog, *Arctica islandica* (Linnaeus, 1767), in Icelandic waters. *J. Shellf. Res.* 76, 1107-1114.

G. G. Thórarinsdóttir and G. Jóhannesson, 1996. Shell length-meat weight relationships of ocean quahog, *Arctica islandica* (Linnaeus, 1767), from Icelandic waters. *J. Shellf. Res.* 15 (3), 729-733.

G. G. Thórarinsdóttir, 1998. Aspects of phytoplankton blooms in relation to molluscs and man. Proceedings of the Eighth International Workshop of the Tropical Marine Mollusc Programme (TMMP) 1997. Phuket Marine Biological Center Special, Publication 18(1): 153-158.

G. G. Thórarinsdóttir, 1999. Lifespan of two long-lived bivalve *Arctica islandica* and *Panopea generosa*. Phuket Marine Biological Center Special Publication.19 (1): 41-46.

G. G. Thórarinsdóttir, 2000. Annual gametogenic cycle in ocean quahog, *Arctica islandica*, from north-western Iceland. *J. Mar. Biol. Ass. U.K.*, 80, 661-666.

G. G. Thórarinsdóttir and S. A. Steingrímsson, 2000. Size and age at sexual maturity and sex ratio in ocean quahog, *Arctica islandica* (Linnaeus, 1767), off north-west Iceland. *J. Shellf. Res.*, 19 (2), 943-947.

S.A. Ragnarsson and **Gudrun G. Thorarinsdóttir**, 2002. Abundance of ocean quahog, *Arctica islandica*, assessed by underwater photography and hydraulic dredge. Journal of Shellf. Res. vol 21 (2), 673-676.

G. G. Thorarinsdóttir and K. Gunnarsson, 2003. Reproductive cycles of *Mytilus edulis* L. on the west and east coast of Iceland. Polar Research, vol 22 (2), 217-223

Guijarro G., E., **G. G. Thorarinsdóttir** and S. A. Ragnarsson, 2003. Settlement of bivalve spat in Eyjafjörður, North-Iceland. Hydrobiologia, 503, 131-141.

G. G. Thorarinsdóttir, and L. Jacobson 2004. Fishery biological reference points for management of ocean quahog off Iceland. Fisheries Research, 75, 97-106.

G. G. Thorarinsdóttir, K. Gunnarsson and M. Dam, 2004. The gametogenic cycle and spawning in *Mytilus edulis* in the Faroe Islands. Froðskaparrit 51. bók 2004: 270-279.

J. P. Jónasson, **G.G. Thorarinsdóttir**, H. Eiríksson, J. S. and G. Marteinsdóttir, 2004. Temperature tolerance of Iceland scallop, *Chlamys islandica* (O.F. Muller) under controlled experimental conditions. Aquaculture Research, 35, 1405-1414

J. P. Jónasson, **G.G. Thorarinsdóttir**, H. Eiríksson, J. S. and G. Marteinsdóttir, 2007. The collapse of Iceland scallop (*Chlamys islandica*) fisheries in Breidifjörður, west Iceland. ICES Journal of Marine Science, 298-308.

Gudrun G. Thórarinsdóttir, Karl Gunnarsson and Erlendur Bogason, 2009. Mass mortality of ocean quahog, *Arctica islandica*, on hard substratum in Lónafjörður, north-eastern Iceland after a storm. J. Mar. Biol. Ass. U.K. Biodiversity Records, published on line.

Guðrún G. Thorarinsdóttir, Larry Jacobson, Stefan Áki Ragnarsson, Elena Guijarro Garcia and Karl Gunnarsson, 2009. Capture efficiency and size selectivity of hydraulic clam dredges used in fishing for ocean quahogs (*Arctica islandica*): simultaneous estimation in the SELECT model ICES Journal of Marine Science, 67: 345-354.

J. Strahl, T. Brey, E. Philipp, **G. Thorarinsdóttir**, N. Fischer, W. Wessels, D. Abele, 2011. Physiological responses to self-induced burrowing and metabolic rate depression in the ocean quahog *Arctica islandica*. J.Exp. Mar. Biol. 214, 4221-4231.

P. J. Cranford, P. Kamermans, G. Krause, J. Mazurié, B. H. Buck, P. Dolmer, D. Fraser, K. Van Nieuwenhove, F. X. O'Beirn, A. Sanchez-Mata, **G. G. Thorarinsdóttir**, Ø. Strand, 2012. An ecosystem-based approach and management framework for the integrated evaluation of bivalve aquaculture impacts. Aquacult Environ Interact., vol 2:193-213.

Gudrun G. Thorarinsdóttir, Hafsteinn G. Gudfinnsson, Svanhildur Egilsdóttir and Jón Örn Pálsson, 2013. The gametogenic cycle and spawning in *Mytilus edulis* L. in two fjords in northwestern Iceland. J. Mar. Biol. 93(6), 1609-1615.

F. Muehlbauer D. Fraser, M. Brenner, K. Van Nieuwenhove, B. H. Buck, O. Strand, J. Mazurié, **G. G., Thorarinsdóttir**, P. Dolmer F.O'Beirn, A. Sanchez-Mata, P. Kamermans 2014. Bivalve aquaculture transfers in Atlantic Europe. Part A: transfer activities and legal framework. Ocean and Coastal Management, 127-138.

M. Brenner, D. Fraser, K. Van Nieuwenhove, F. O'Beirn, B. H. Buck, J. Mazurié, **G. Thorarinsdóttir** P. Dolmer, A. Sanchez-Mata, O. Strand¹⁰, G. Flimlin, L. Miossec, P. Kamermans, 2014. Bivalve aquaculture transfers in Atlantic Europe. Part B: Environmental impacts of transfer activities. Ocean and Coastal Management, 89: 139-146.

Gudrun G. Thorarinsdóttir, Karl Gunnarsson og Óskar Sindri Gíslason 2014. Invasive species: Case studies from Iceland. In: Marine Invasive species in the Arctic. Eds.: Fernandez, L., Kaiser, B.A. & Vestergaard, N. Thema Nord TN2014:547: 83-103.

Kaiser, B. A., Bakanev, S., Bertelsen, R.G., Carson, M., Eide, A., Fernandez, L., Halpin, P., Izmalkov, S., Kyhn, L. K., Österblom, H., Punt, M., Ravn-Jonsen, L., Sanchirico, J., Sokolov, K., Sundet, J. H., **Thorarinsdóttir, G.G.**, and Vestergaard, N., 2015. Spatial Issues in Arctic Marine Resource Governance Workshop Summary and Comment. Marine Policy. PII: S0308597X15000822. DOI: 10.1016/j.marpol.201503.033.

S.A. Ragnarsson, **G. G. Thorarinsdóttir** and K. Gunnarsson, 2015. Short and long-term effects of hydraulic dredging on benthic communities and ocean quahog (*Arctica islandica*) populations. Marine Environmental Research, (in publication).

Journals in Icelandic:

Guðrún G. Þórarinsdóttir, 1992. Tilraunaeldi á hörpudiski, *Chlamys islandica* (O.F.Müller), í Breiðafirði. I. Kynflroski, hrygning og söfnun lirfa (Suspended culture of *C. islandica* in Breiðafjörður, I). Náttúrufræðingurinn 61 (3-4), 243-252. (In Icelandic).

Guðrún G. Þórarinsdóttir & Úlfar Antonsson, 1993. Tilraunaeldi á kræklingi í Hvalfirði (Suspended culture of *M. edulis* in Hvalfjörður) Náttúrufræðingurinn, 63 (3-4) 243-251. (In Icelandic).

Guðrún G. Þórarinsdóttir, 1993. Tilraunaeldi á hörpudiski, *Chlamys islandica* (O. F. Müller) í Breiðafirði. II. Vöxtur. (Suspended culture of *C. islandica* in Breiðafjörður, II). Náttúrufræðingurinn, 62, (3-4), bls. 157-164, 1993. (In Icelandic).

Guðrún G. Þórarinsdóttir, 1995. Ræktun skelfisks (Culture of Molluscs). Náttúrufræðingurinn, 64 (3), 187-192, (in Icelandic).

Guðrún G. Thorarinsdóttir and Thorunn Thordardottir, 1997. Vágastir í plöntusvifinu. Náttúrufræðingurinn 67 (2), 67-76. (In Icelandic).

Guðrún G. Þórarinsdóttir and Sólmundur Einarsson, 1997. Kúfiskel við Ísland. Náttúrufræðingurinn, 66 (2), 91-100. (In Icelandic).

Elena Garcia og Guðrún Þórarinsdóttir, 2003. Áseta ungra skelja á söfnurum í Eyjafirði. Náttúrufræðingurinn, 71 (3-4), bls 61-65. (In Icelandic).

Guðrún G. Þórarinsdóttir, Magnús Freyr Ólafsson og Þórður Örn Kristjánsson, 2007. Lostætur landnemi. Náttúrufræðingurinn, 75 (1), bls. 34-40. (In Icelandic).

Guðrún G. Þórarinsdóttir, Valdimar Ingi Gunnarsson og Björn Theodórsson 2007. Kræklingarækt á Íslandi. Náttúrufræðingurinn, 76 (1-2), bls. 63-69. (In Icelandic with English summary).

Guðrún G. Þórarinsdóttir, og Karl Gunnarsson 2010. Sæbjúgað brimbútur við strendur Íslands. Náttúrufræðingurinn, 80, bls 27-32. (In Icelandic with English summary).

Karl Gunnarsson, Guðrún G. Þórarinsdóttir og Ó. Sindri Gíslason 2014. Framandi sjávarlífverur við Ísland. Náttúrufræðingurinn, in publication. (In Icelandic with English summary).

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