

## Previous student theses at the Department of Aquatic Resources (updated Dec 21, 2022)

### Tidigare studentuppsatser (självständigt arbete) vid Institutionen för akvatiska resurser.

Theses are in English or Swedish. They can be downloaded now or soon at [the web portal Epsilon for student theses \(link\)](#). Arranged in reverse chronological order.

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de Leitão Tomás, M. 2022. Assessment of fish welfare in trawl caught Atlantic herring.

Myrenås, E. 2022. Effects of the invasive nematode *Anguillicola crassus* on condition and growth in the European eel *Anguilla Anguilla*.

Welander, V. 2022. Stress och beteende vid bedövning av öring.

Cicek, D. 2022. Besökare som naturvårdare - Fallstudie Nämndöskärgården. Naturvägledning som verktyg.

Haerberle, Z. 2021. Elektroniska övervakningssystem inom fiskeri – Jämförelse mellan två olika kamerasystem och observatör ombord inom småskaligt fiske.

Homes, W. 2021. Quantifying the state of the coral reef ecosystem in relation to biophysical benthic and pelagic indicators and biological drivers of change in the Saba National Marine Park, Dutch Caribbean.

Ahlgren, M. 2021. Algal toxins in the Baltic blue mussel (Baltic *Mytilus trossulus edulis*) – spatiotemporal variations in the Baltic Sea.

Svensson, R. 2021. Development of northern pike (*Esox lucius*) populations in the Baltic Sea, and potential effects of grey seal (*Halichoerus grypus*) predation.

Svensson, O. 2021. Evaluation of filter and extraction kits for eDNA-based quantification of Northern pike density.

Bell, O. 2021. The effects of eutrophication and browning on prey availability and performance of the three-spined stickleback (*Gasterosteus aculeatus*).

Arfwedsson, K. 2021. Ecological Representativity of Marine Protected Areas along the Swedish West Coast – Evaluating the effectiveness of the existing network and identifying expansion opportunities in the Skagerrak.

Zielfeldt, Z. 2021. Essential Young-of-the-Year Fish Macrophyte Habitats Along the Swedish East Coast – Evaluation of Representativity of Marine Protected Areas and Pressures on Habitats in the Gulf of Bothnia.

Westerlund, M., 2020. Stora Tandån. Kartering & åtgärder : en undersökning i vad som finns och vad som kan återskapas.

Nymans, S., 2020. Fiskodlingens påverkan på fenskadornas överlevnad hos utsatt lax – fokus på fisktäthet, fodertyp och foderregimer.

Westlund, M.-H., 2020. European perch (*Perca fluviatilis*) as a possible predator of the invasive round goby (*Neogobius melanostomus*) in the Baltic Sea.

- Gustafsson, S., 2020. Pearls as bycatch mitigation strategy for Harbour porpoise (*Phocoena phocoena*).
- Gong, C., 2020. Approaches to coral reef restoration in a changing climate – identifying objectives behind a sea of options.
- Ashworth, W., 2020. Behaviour and morphology in wild guppies from populations with high and low predation pressure in Trinidad.
- Niemi, N., 2020. Influence of reed (*Phragmites australis*) belts in the Baltic Sea archipelago on pike (*Esox lucius*) and other coastal fish species
- Hajizadeh Koupayeh, N., 2020. Spatial and temporal variations in stable isotope signatures ( $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$ ) of the gammarids and the common carp in the southern coast of the Caspian Sea.
- Ljung, A., 2020. Invasive round goby, *Neogobius melanostomus* - suitable prey for native cod, *Gadus morhua*?
- Karlsson, M., 2020. The effect of temperature on life history traits of perch (*Perca fluviatilis*) and its implications for population age- and size structure.
- Fritscher, D., 2019. Plastic ingestion and diet composition in two common fish species from the Swedish Skagerrak.
- Maioli, F., 2019. Stomach data from pelagic research survey bring new information in cod feeding pattern in the South-Western Baltic Sea.
- Grände, A., 2019. Hur följer förvaltningen av Vättern principer för ekosystembaserad fiskförvaltning?
- Nyquist, N., 2019. Trapping efficiency and retention ability of four pontoon trap entrance types for use in coastal cod fishing, a fishing gear development field trial in the Baltic Sea.
- Koch, S., 2019. Fish community responses to water colour: results along a large gradient from clear to brown lakes in Sweden.
- Tollerz Bratteby, U., 2019. Factors explaining variation in the fecundity of female Baltic salmon (*Salmo salar*): the influence of length, body condition and growth rate at sea.
- Berggren, T., 2019. Increased body growth rates of northern pike (*Esox lucius*) in the Baltic Sea: importance of size-selective mortality and warming waters.
- Carlsson, D., 2019. Användning av åtelkameror för att uppskatta antalet sälar i fjordarna innanför Orust: en metodutvärdering.
- Östby, D., 2018. Sampling methods of the Wels catfish (*Silurus glanis*) in freshwater lakes: management of a vulnerable species.
- Spange, D., 2018. Defining habitat demands of Wels catfish (*Silurus glanis*) in a Swedish lake: a look into muddy waters.
- Saltalamacchia, F., 2018. Otolith morphology of sprat (*Sprattus sprattus*) along the Swedish west coast.

- Rudnicki, K., 2018. Causes of trends in abundance of mesopredators in the Kattegat Sea.
- Möllersten, E., 2018. Assessment of freshwater ecosystem services - with a case study in river Arbogaån.
- Haase, K., 2018. Diet overlap between Cod (*Gadus morhua*) and European Flounder (*Platichthys flesus*) in the central Baltic Sea.
- Grunander, M., 2018. Effects of global warming on Eurasian perch (*Perca fluviatilis*) in the Baltic Sea: does the growth response to increased temperatures differ along a latitudinal gradient?
- Bouwmeester, R., 2018. Shedding light on alternative shrimp fishing: development of shrimp pots with a focus on selection, attraction and behaviour.
- Wallin, A., 2017. Harbour porpoise (*Phocoena phocoena*) predation on cod (*Gadus morhua*) in the Kattegat: a review of current knowledge and implications for stock assessments.
- Eidborn, A., 2017. Fish sampling in lotic water: a study of the efficiency of the novel Nordic multi-mesh Stream Survey Net.
- Mattsson, E., 2017. Spatial och temporal förändring i närvaro av vanlig tumlare (*Phocoena phocoena*) vid fiske med pingers i Skälderviken och Kullaberg.
- Vullioud, A., 2016. Biodiversity assessment for coastal fish communities in the Baltic Sea.
- Stavenow, J., 2016. Attack behavior and presence of grey seals around pots: a search for seal-safe cod-pots in the Baltic sea.
- Rudin, J., 2016. Barriers effect on lotic fish fauna.
- Malmgren, J., 2016. Fiskares uppfattning om förändring i status hos ett rödingbestånd i en jämtländsk sjö: möjliga orsaker till en förändring.
- Johansson, A., 2016. Natural migration barriers for fish by hydropower plants: methods to assess historic passability. Case studies of migration barriers.
- Hessulf, C., 2016. Kan vandrarmusslan (*Dreissena polymorpha*) gynnas för att motverka övergödningssymptom i Vallentunasjön?
- Hedgärde, M., 2016. Explaining catch efficiency of cod pots using in situ behavioural studies.
- Öhnstedt, Emelie, 2015. Modellering av tånglakens, *Zoarces viviparus*, habitat i Östersjön.
- Willebrand, S., 2015. Habitat preference of *Neogobius melanostomus* in the Baltic Sea: habitat modelling of an invasive species.
- Soler, T., 2015. Evolutionära effekter av fiske på gös?
- Sjölander, F., 2015. Social acceptability of marine protected areas: a case study of the Gålö no-fishing zone in Sweden.
- Lundgren, C., 2015. Perch (*Perca fluviatilis*) grows faster and larger in a warming Baltic Sea.
- Johansson, A., 2015. Kan arbetet i 8-fjordar klassas som ekosystembaserad fiskförvaltning? En bedömning utifrån EBFF-kriterier samt förslag på indikatorer för ekosystemets status.

Döweler, F., 2015. Coastal erosion and coastal integrity vulnerability at selected shorelines of Sarawak, Borneo Malaysia.

Dalman, E., 2015. Kan skillnaden i kondition hos torsk fångade med bur och garn förklaras av deras födoval?

Stålberg, L., 2015. Morfologisk variation hos skrubbskädda (*Platichthys flesus*): finns det en koppling till ekologi?

Blass, M., 2014. Morphological variation in herring (*Clupea harengus membras*): spring and autumn spawners in the Bothnian Sea.

Wastie, J., 2014. Assessing the importance of freshwater tributary systems for the recruitment of Eurasian Perch (*Perca fluviatilis*) in Baltic Sea Coastal Ecosystems.

Södergren, S., 2014. Kan utbredningen av syrefattiga botten påverka Hanöbuktens ekosystemtjänster och dess värden? Vad kan göras för att motverka utbredningen?