

The University of Maine

**DigitalCommons@UMaine**

---

Annual Maine Aquaculture R&D and Education  
Summits

Conferences and Summits

---

Winter 1-17-2020

## **Kingfish Zeeland and Kingfish Maine**

Megan Sorby

Follow this and additional works at: [https://digitalcommons.library.umaine.edu/ari\\_rd-ed](https://digitalcommons.library.umaine.edu/ari_rd-ed)

---

This Presentation is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in Annual Maine Aquaculture R&D and Education Summits by an authorized administrator of DigitalCommons@UMaine. For more information, please contact [um.library.technical.services@maine.edu](mailto:um.library.technical.services@maine.edu).



**KINGFISH**  
ZEELAND



**KINGFISH**  
MAINE



# Yellowtail kingfish, *Seriola lalandi*





# System design and performance





# Process Standardization – Netherlands to US





# Research and Innovation Areas

## HATCHERY: focus on quality improvements

- Larval rearing techniques & protocols
- Life feed optimisation: rotifers, artemia, alternatives
- Egg quality: monitoring / broodstock diets

## SELECTION/GENETICS:

- Development of solid breeder foundation
- Tagging / DNA sequencing
- Selection of future breeders
- Benchmarking

## PRODUCTION: focus on water quality and feed innovations

- RAS-Feed:      1. decrease marine ingredients  
                         2. test alternative ingredients
- Filtration:      New technologies
- Physiology:     exercise/swimming benefits

## TECH:

- Fish Logistics: pumping, grading, harvesting
- Tank management: feeding systems / lights
- Waste water treatment: New technologies
- Development of an integrated farm management program, including (big) data analysis