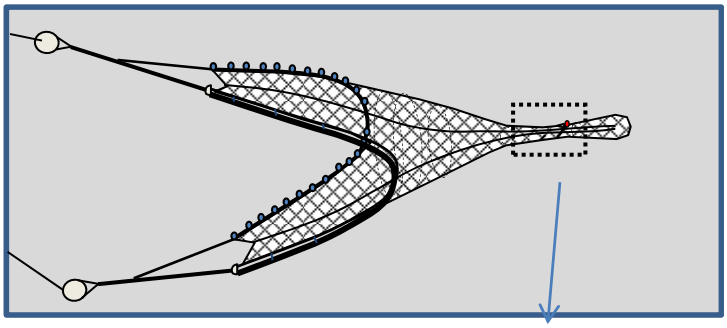
FISH BEHAVIOR AND CONSERVATION ENGINEERING
UNIVERSITY OF MASSACHUSETTS DARTMOUTH
SCHOOL FOR MARINE SCIENCE AND TECHNOLOGY

CONSERVATION ENGINEERING GEAR GUIDE

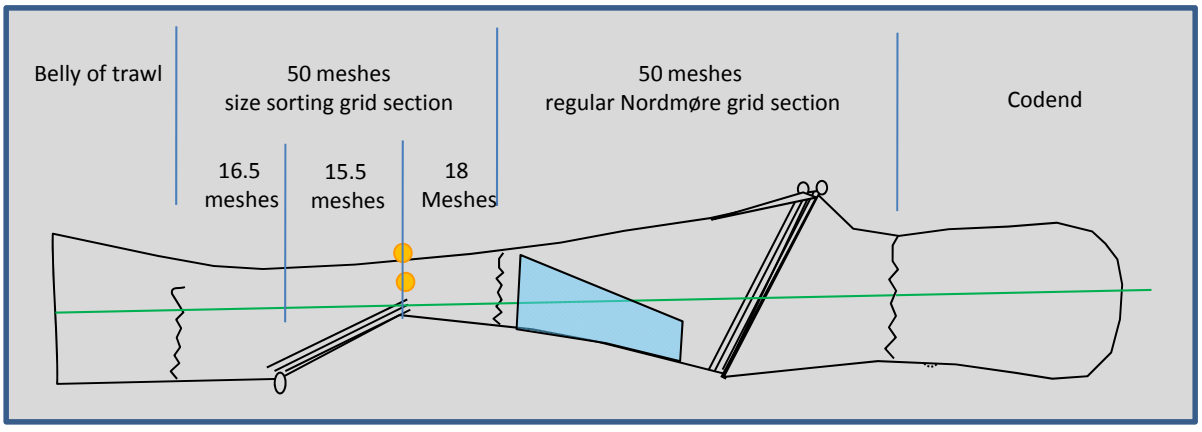
Shrimp Size-Sorting Grid
Dual Grid System

The Nordmøre grid can reduce bycatch of finfish, but it can not reduce small shrimps. Installation of a size-sorting grid in front of a regular Nordmøre grid can reduce the catch of small shrimps. Both 9 mm and 11 mm bar spacing size-sorting grid can reduce small shrimps depending on the size composition of shrimps on the ground.



Size sorting grid:
38 " (W) x 45" (L)

Grid spacing: 9-11 mm
Material:
High density polyethylene



The rigging applies to a grid section with 50 mm mesh size, 50 meshes long and 150 meshes on the round. We recommend that this size of sorting grid is used in combination with a HDPE Nordmøre grid of 38" (W) x 53" (L).

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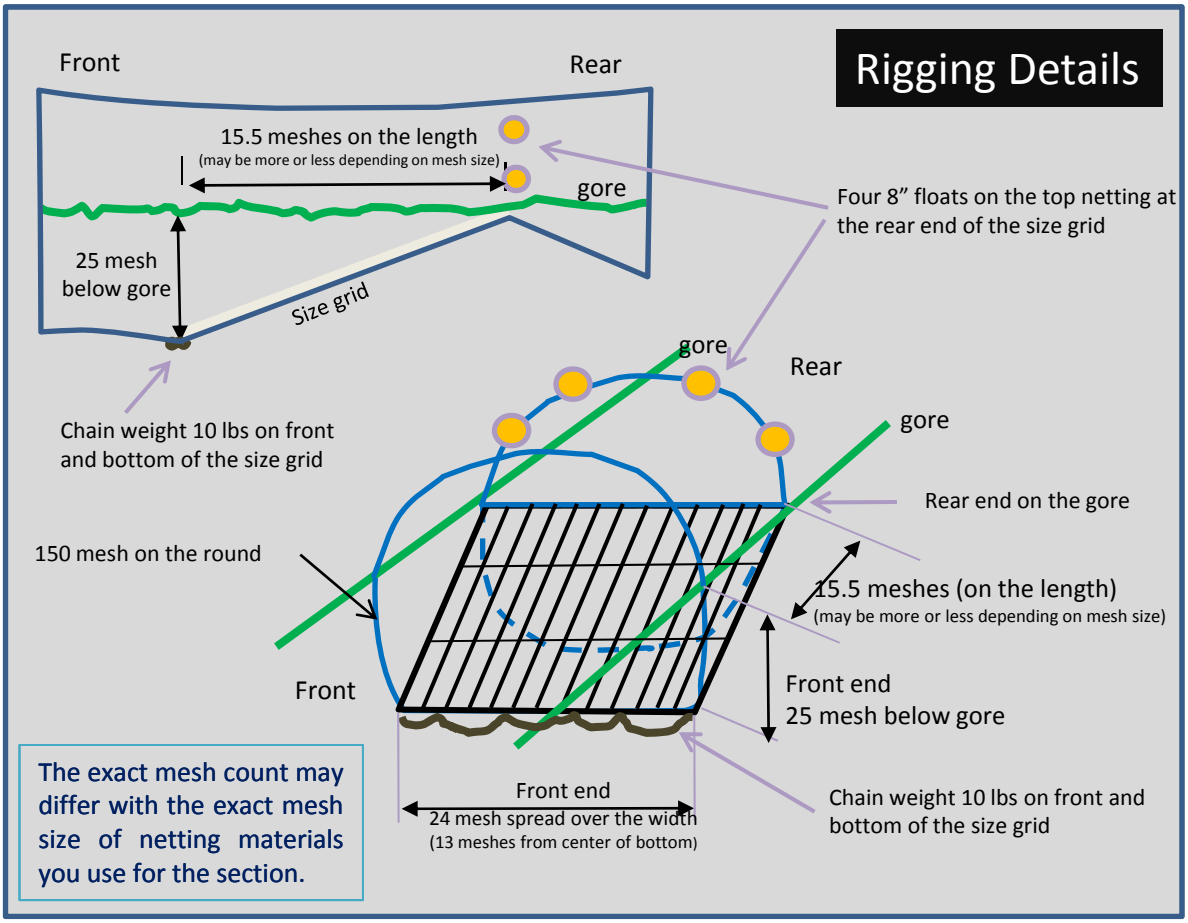

Tests of the dual-grid size-sorting system in Portland, ME in both 2006 and 2009 indicated reductions of small shrimps without a reduction of large shrimps. The design in this guide is the latest version tested in 2009 shrimp season and is recommended rigging. Selection of 9 or 11 mm grid spacing depend on the size of shrimp to be released. 11 mm grid will release shrimps less than 22 mm carapace length or 8 grams. 9 mm grid will reduce shrimp less than 18 mm carapace length or 4 grams.

The project was supported by the Northeast Consortium and NOAA S-K Grant. The project was partnered with shrimp fisherman, Capt. Vincent Balzano of F/V "North Star".

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