



W&M ScholarWorks

Reports

12-2-2001

Yellowtail Flounder (*Limanda ferruginea*) Bycatch During the 1999 Commercial Sea Scallop Opening of Georges Bank Area II

William D. DuPaul
Virginia Institute of Marine Science

David Rudders
Virginia Institute of Marine Science

Todd Gedamke
Virginia Institute of Marine Science

Follow this and additional works at: <https://scholarworks.wm.edu/reports>



Part of the [Aquaculture and Fisheries Commons](#)

Recommended Citation

DuPaul, W. D., Rudders, D., & Gedamke, T. (2001) Yellowtail Flounder (*Limanda ferruginea*) Bycatch During the 1999 Commercial Sea Scallop Opening of Georges Bank Area II. Marine Resource Report No. 2001-16. Virginia Institute of Marine Science, College of William and Mary. <http://dx.doi.org/doi:10.21220/m2-8mth-a968>

This Report is brought to you for free and open access by W&M ScholarWorks. It has been accepted for inclusion in Reports by an authorized administrator of W&M ScholarWorks. For more information, please contact scholarworks@wm.edu.

**Yellowtail Flounder (*Limanda ferruginea*) Bycatch
During the 1999 Commercial Sea Scallop Opening of
Georges Bank Area II**

**William D. DuPaul, David B. Rudders and Todd Gedamke
Virginia Institute of Marine Science
College of William and Mary
Gloucester Point, VA 23062**

**Submitted to
Sea Scallop Plan Development Team
Plymouth, Massachusetts**

December 2, 2001

Virginia Marine Resource Report No. 2001-16

Yellowtail Flounder (*Limanda ferruginea*) Bycatch

During the 1999 Commercial Sea Scallop Opening of Georges Bank Area II

This report documents yellowtail flounder (*Limanda ferruginea*) bycatch during the 1999 commercial sea scallop opening of Georges Bank Area II. Data was collected on 8 trips from June 1999 to November 1999 aboard commercial sea scallop vessels participating in the Area II access program.

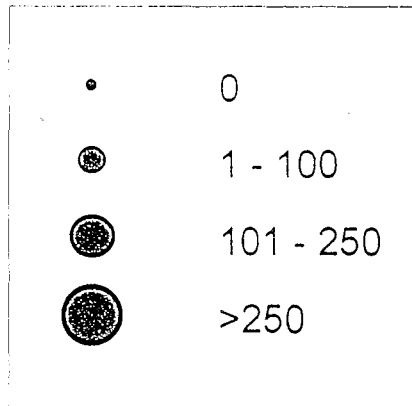
The primary objective of the study that produced the data was to characterize changes in the catch per unit of effort of sea scallop catches over the course of the opening. In addition to information regarding sea scallop catches, finfish bycatch data was also collected. This report presents the frequency and distribution of bycatch for one species: yellowtail flounder.

Vessels in the study utilized two 15 ft. (4.57 m) New Bedford style sea scallop dredges towed simultaneously. The chain bags on the dredges were knit with 3.5" (88.9 mm) rings, and 10" (254 mm) twine tops were used. The catch data was scaled to reflect 1 hour of towsing time with 30 ft. (9.14) of dredge width. The data was then plotted to portray spatial and temporal variation in the occurrence of yellowtail bycatch. The attached figures do not attempt to resolve yellowtail abundance and distribution in Area II from June to November 1999. Instead, the incidence of yellowtail bycatch encountered during commercial sea scallop fishing operations is shown.

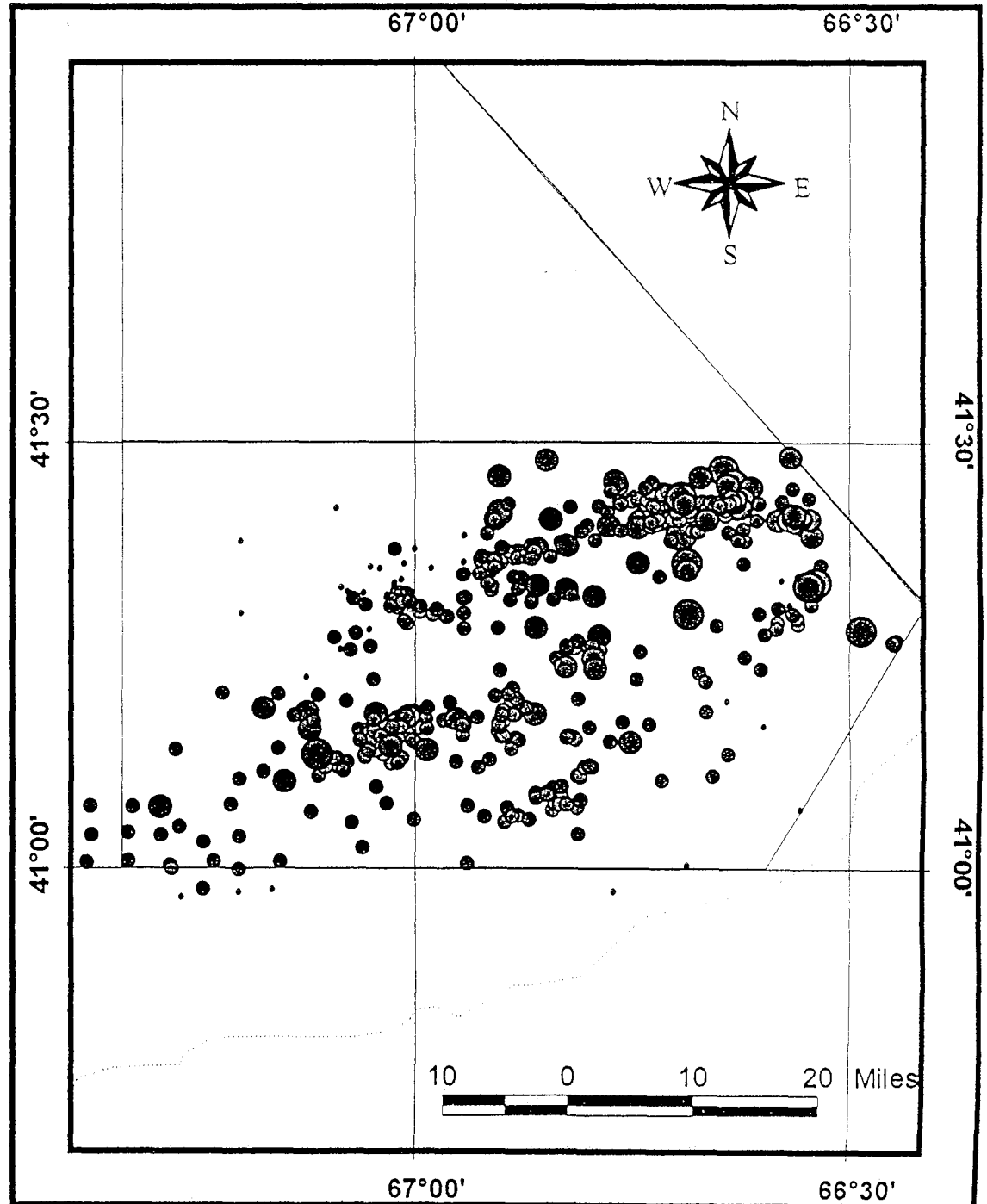
Yellowtail Flounder

June 1999 - November 1999

n=554 tows

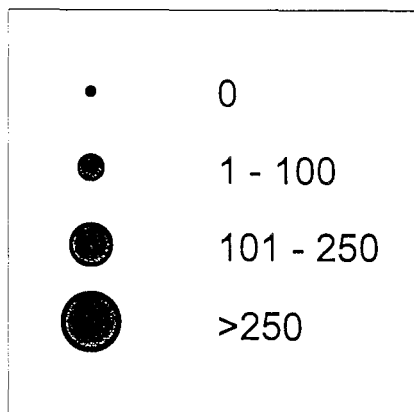


catches of yellowtail flounder scaled
to 1 hour of towsing time with two 15 ft.
commercial sea scallop dredges

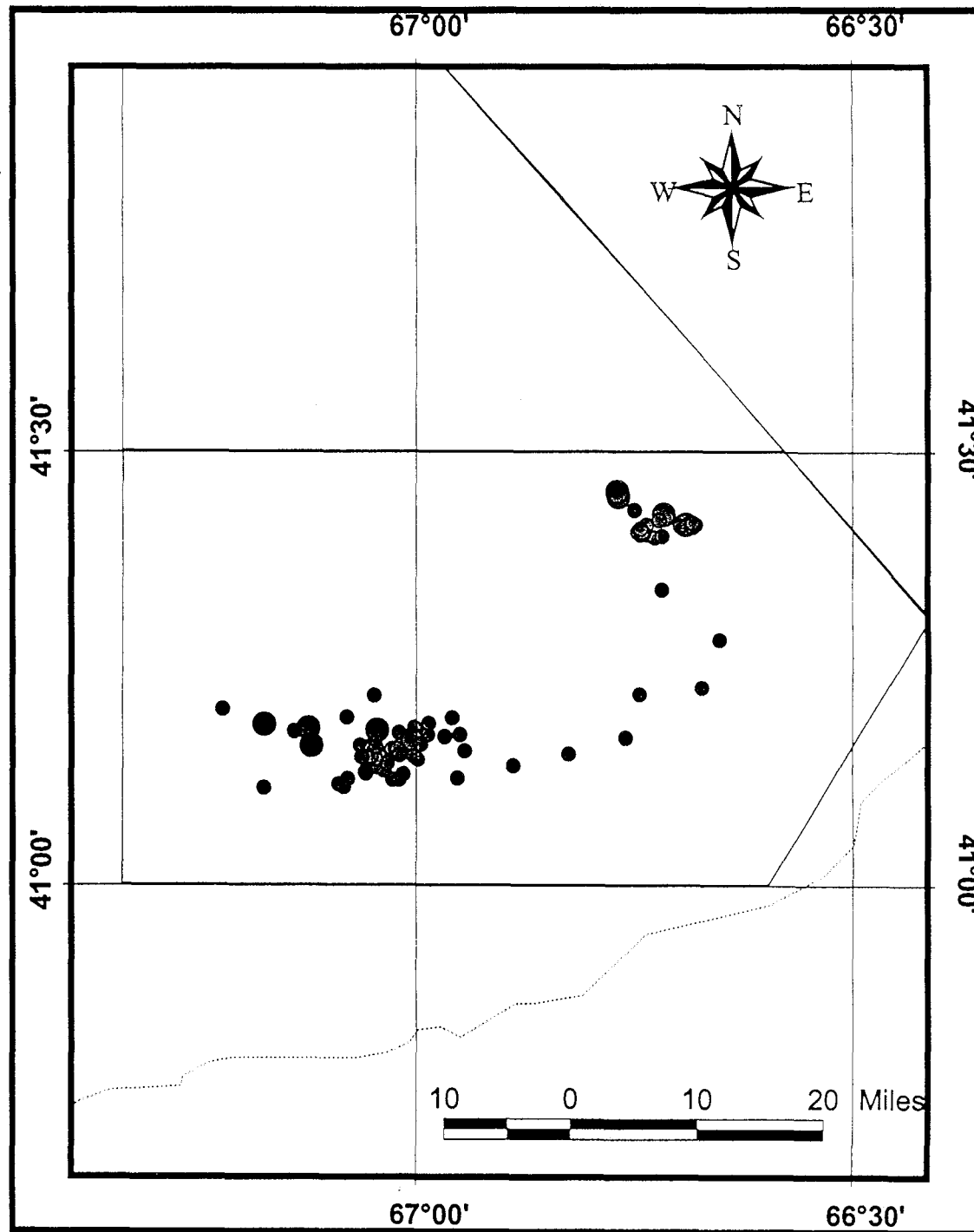


Yellowtail Flounder

June 1999
n=80 tows

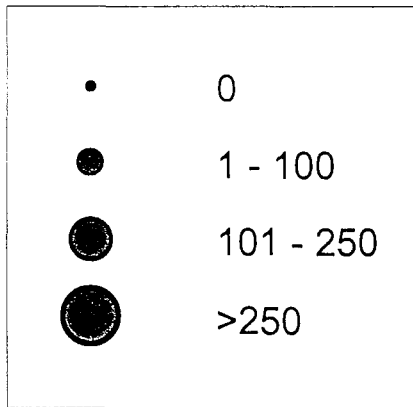


catches of yellowtail flounder scaled
to 1 hour of towsing time with two 15 ft.
commercial sea scallop dredges

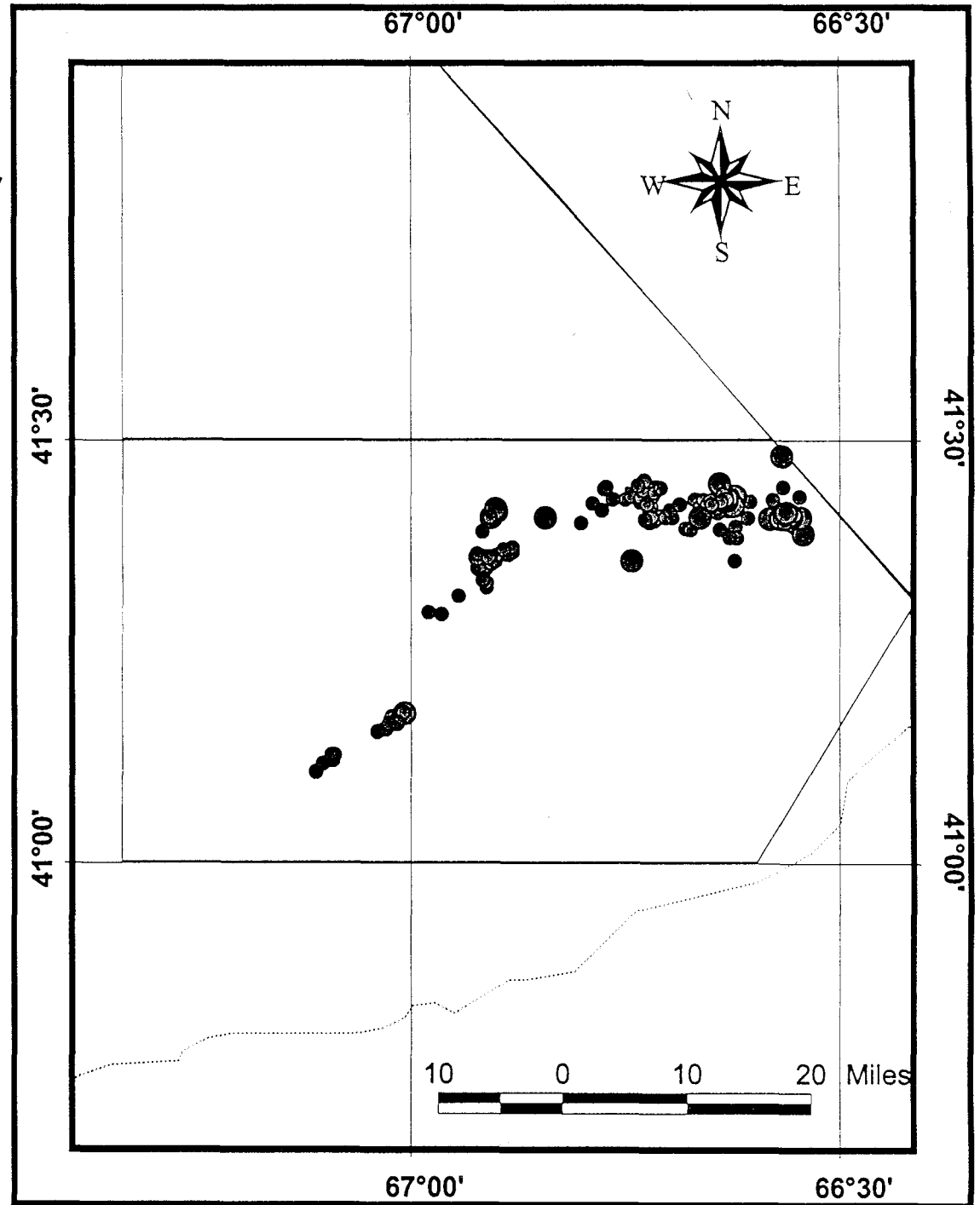


Yellowtail Flounder

July 1999
n=177 tows



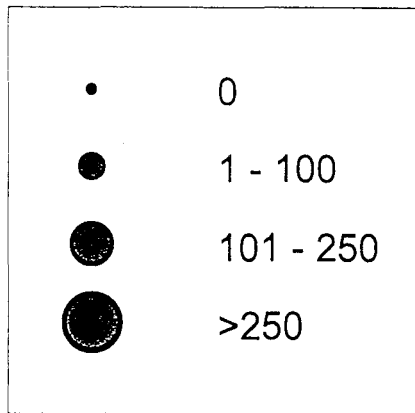
catches of yellowtail flounder scaled
to 1 hour of towing time with two 15 ft.
commercial sea scallop dredges



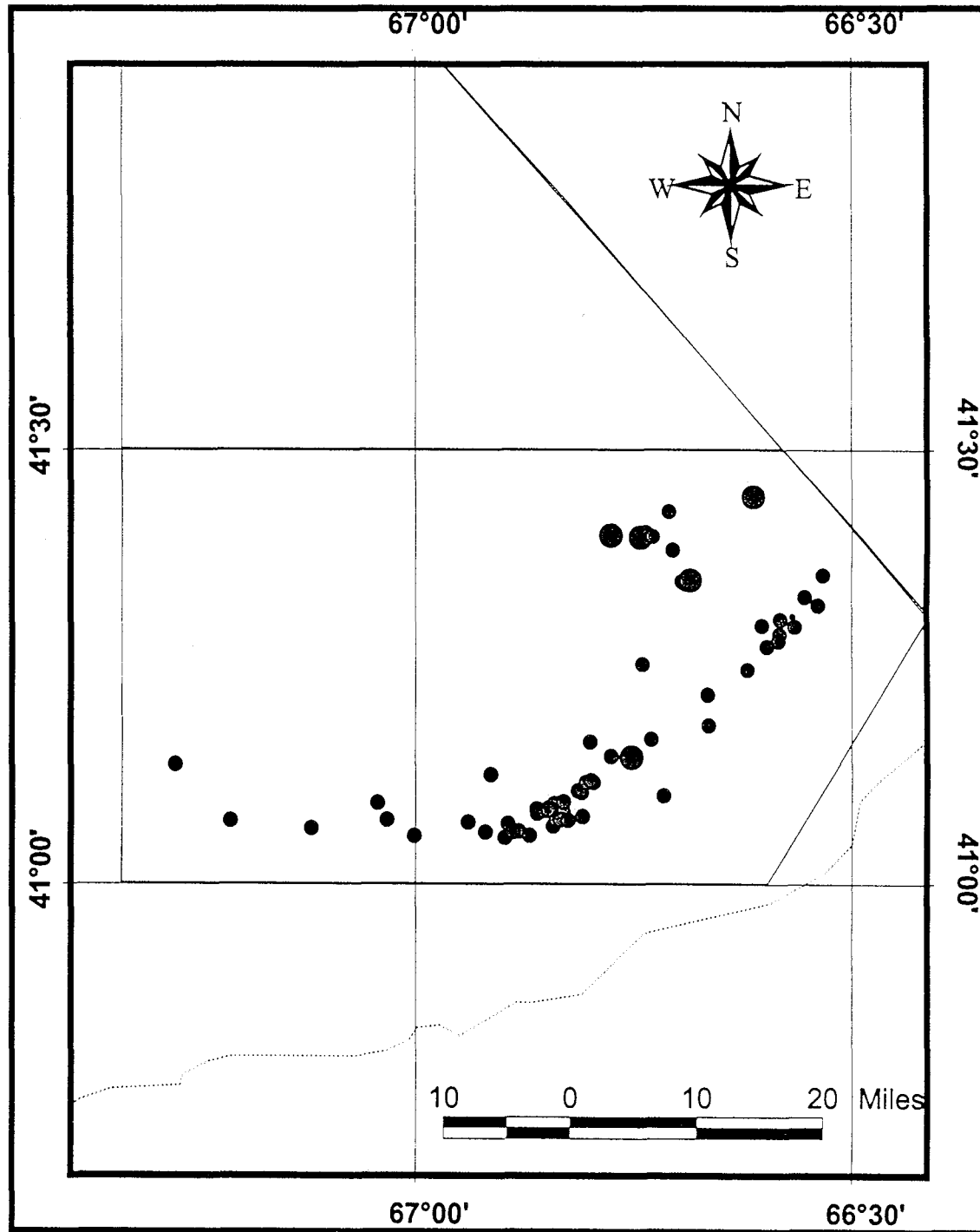
Yellowtail Flounder

August 1999

n=72 tows



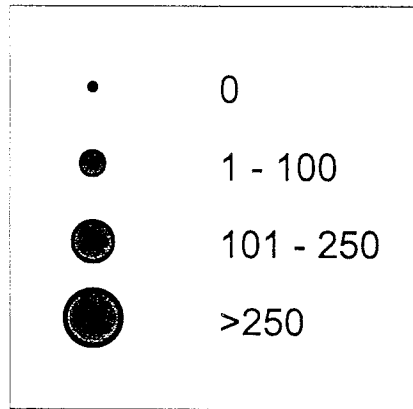
catches of yellowtail flounder scaled to 1 hour of towsing time with two 15 ft. commercial sea scallop dredges



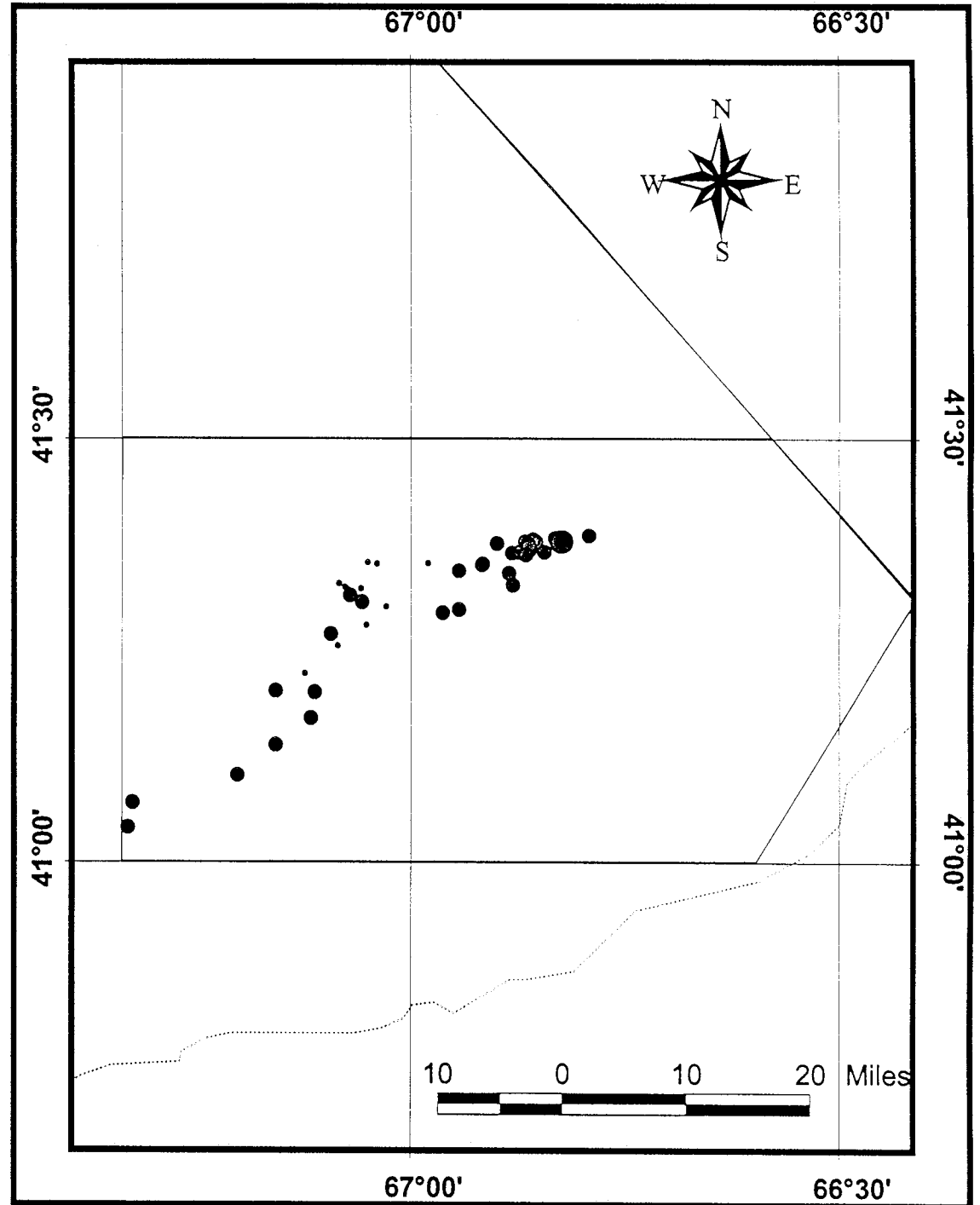
Yellowtail Flounder

September 1999

n= 49 tows



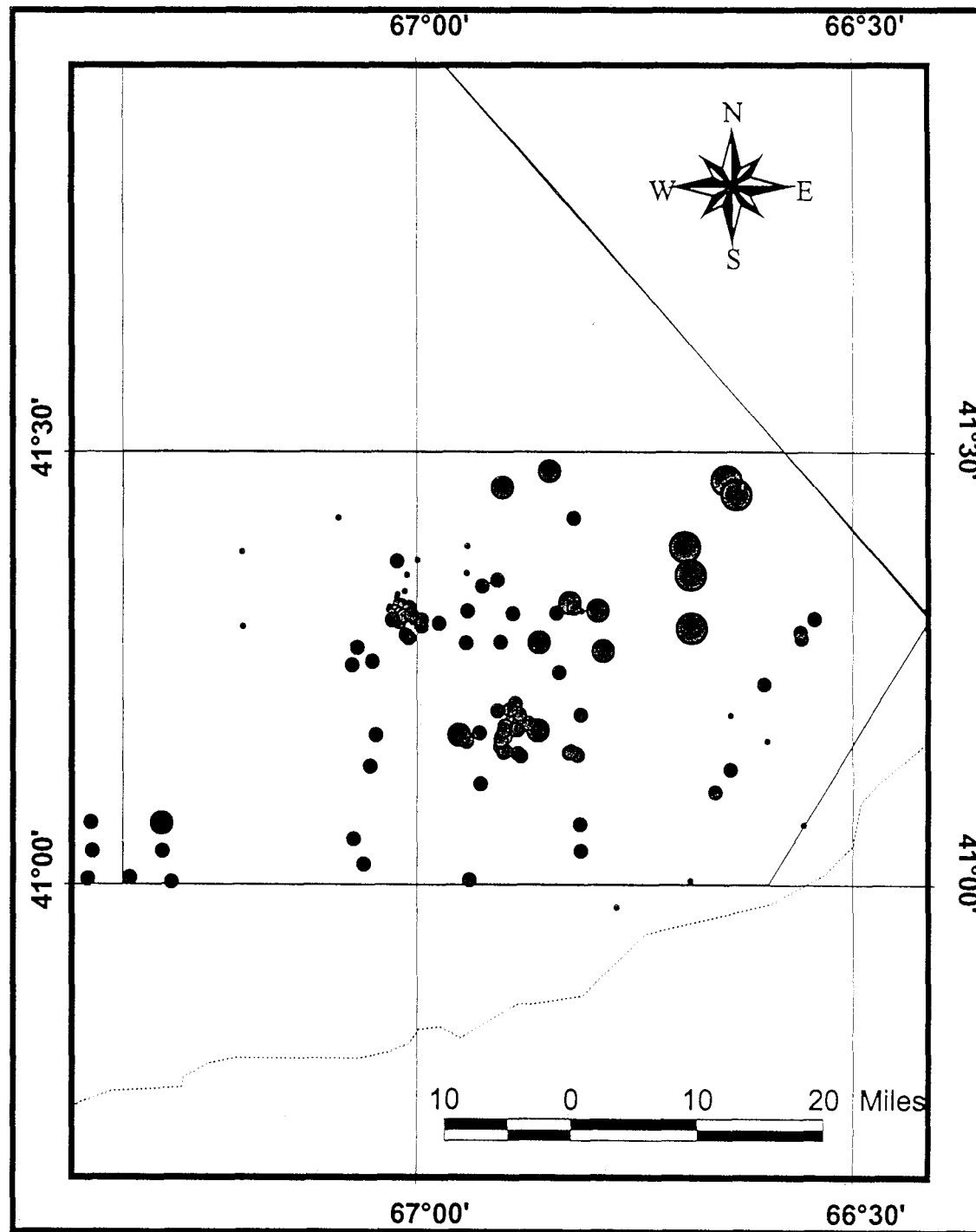
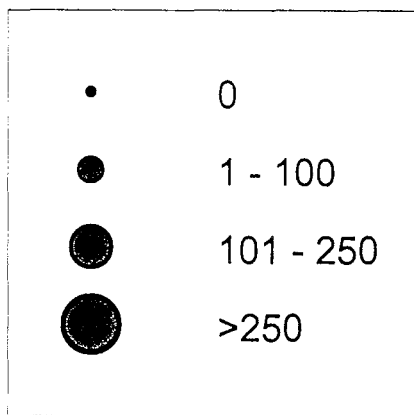
catches of yellowtail flounder scaled
to 1 hour of towing time with two 15 ft.
commercial sea scallop dredges



Yellowtail Flounder

October 1999

n=121 tows

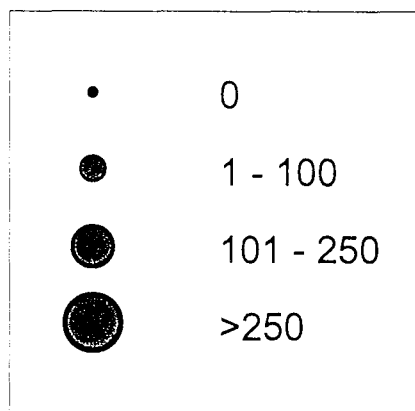


catches of yellowtail flounder scaled
to 1 hour of towing time with two 15 ft.
commercial sea scallop dredges

Yellowtail Flounder

November 1999

n= 55 tows



catches of yellowtail flounder scaled
to 1 hour of towsing time with two 15 ft.
commercial sea scallop dredges

