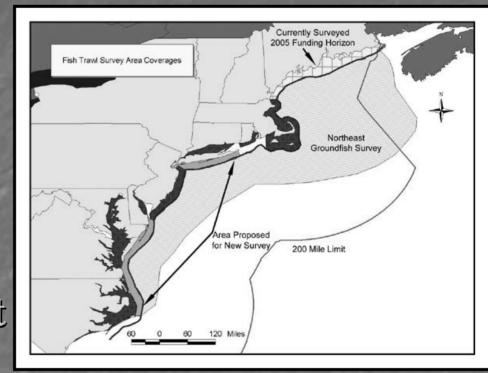


Background – NEAMAP Trawl Survey

- Responded to lack of adequate survey coverage of coastal Middle Atlantic Bight
- Addressed replacementof NEFSC groundfish



survey sampling platform with a new, larger vessel (much deeper draft)

Background - NEAMAP Pilot Trawl Survey

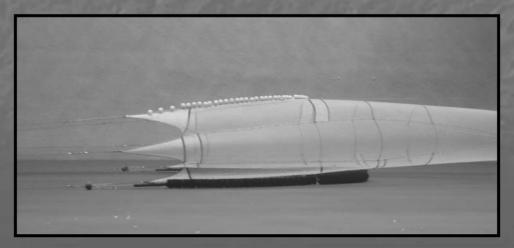
- Early 2005 – ASMFC makes \$250,000 available for NEAMAP Inshore Trawl Survey pilot work

 ASMFC receives one proposal (Virginia Institute of Marine Science - VIMS) – awards funding to VIMS in August 2005

NEAMAP Pilot Trawl Survey Trawl Gear - Net

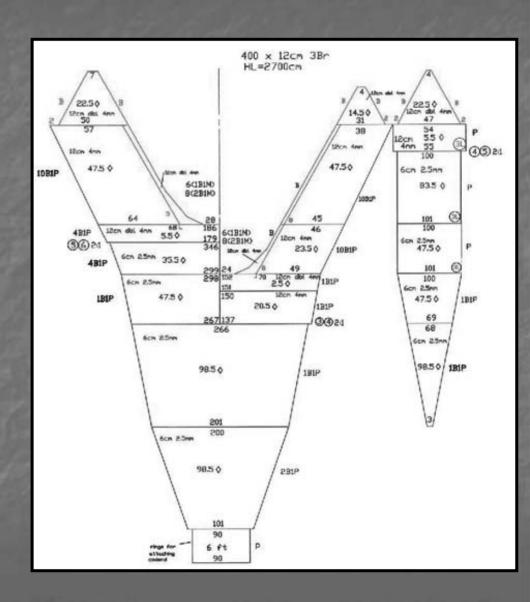






Trawl Gear - Net

- Four-seam, three-bridle
- **23.36 m (76.6') headrope** length
- 12 cm (4.7") and 6 cm
 (2.4") mesh
- 2.4 cm (1") knotless liner
- 60, 20.3 cm (8") hard plastic floats
- 7.5 cm (3") cookies for footrope
- Footrope attached to 7.5 cm (3") cookie sweep by traveler



36.6 m (120') bridles

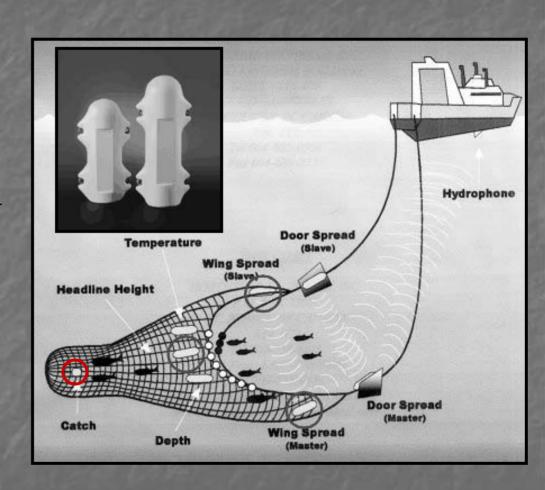
Trawl Gear - Doors

- Thyboron, Type IV
- 66 inches in length
- 360 kg each
- First trial of this net/door combination in survey work



Net Monitoring Gear

- Used NETMIND[™]
 Trawl Monitoring
 System
- Measured wingspread and headline height every 10-20 seconds
- Enabled investigation of the relationship between net geometry and fishing conditions



2006 Field Activities

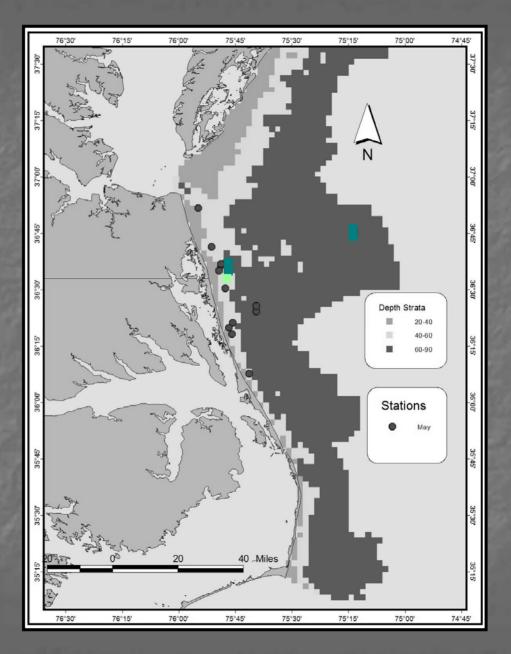
■ May 9 & 10 — Initial field trials to test gear performance and protocol adequacy

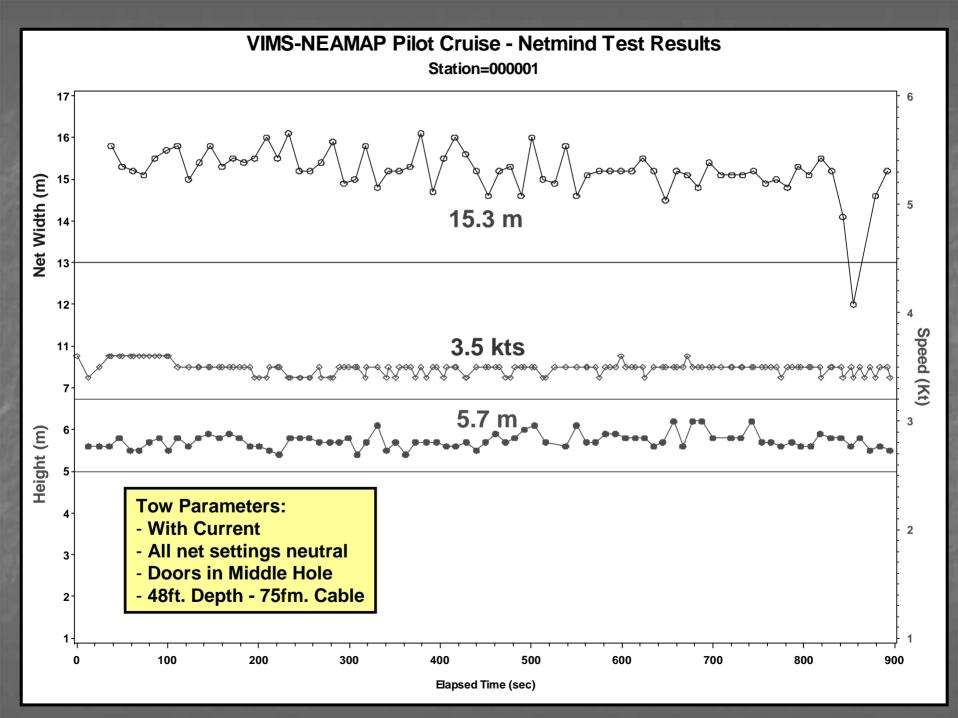
■ June 29 & 30 − NEFSC representatives invited to evaluate the net/door combination first-hand; more gear trials

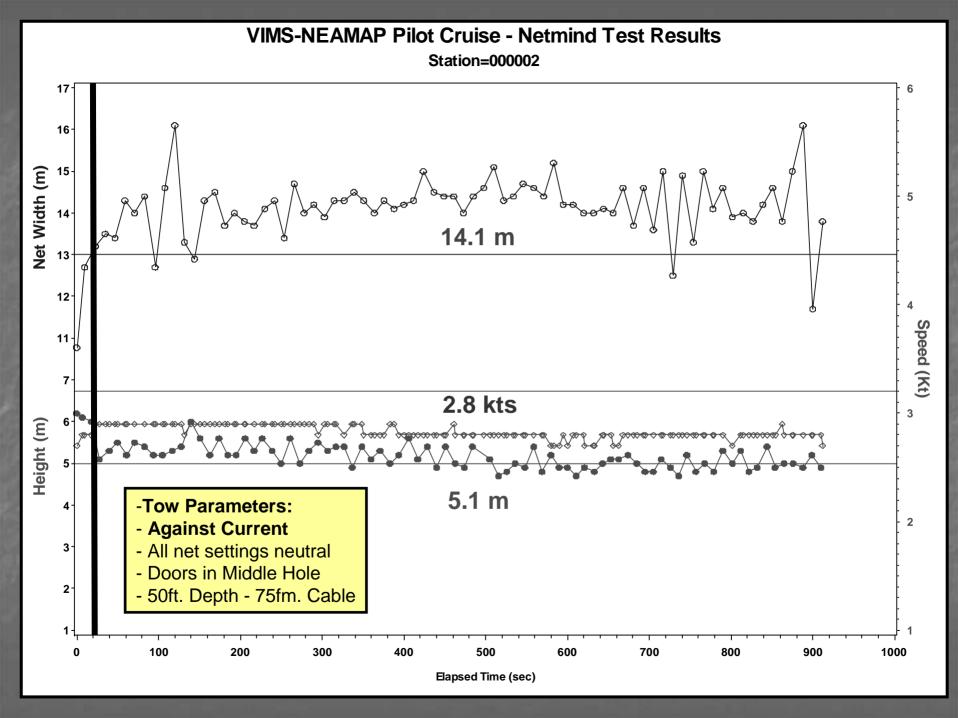
September 25 to October 15 – NEAMAP
 Inshore Pilot Trawl Survey Cruise

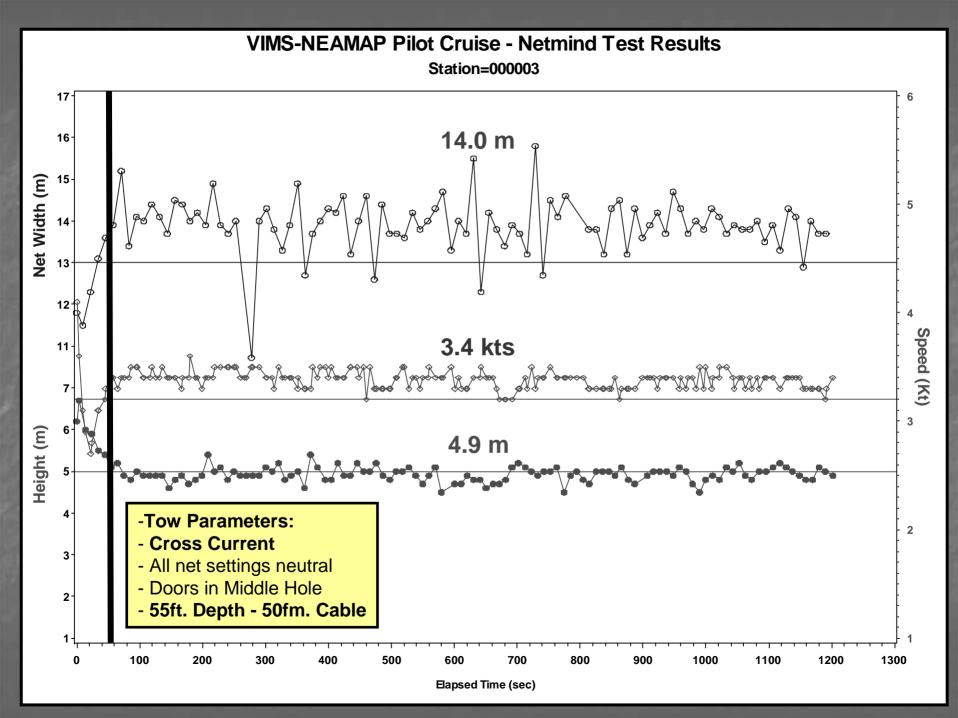
RESULTS Net Performance

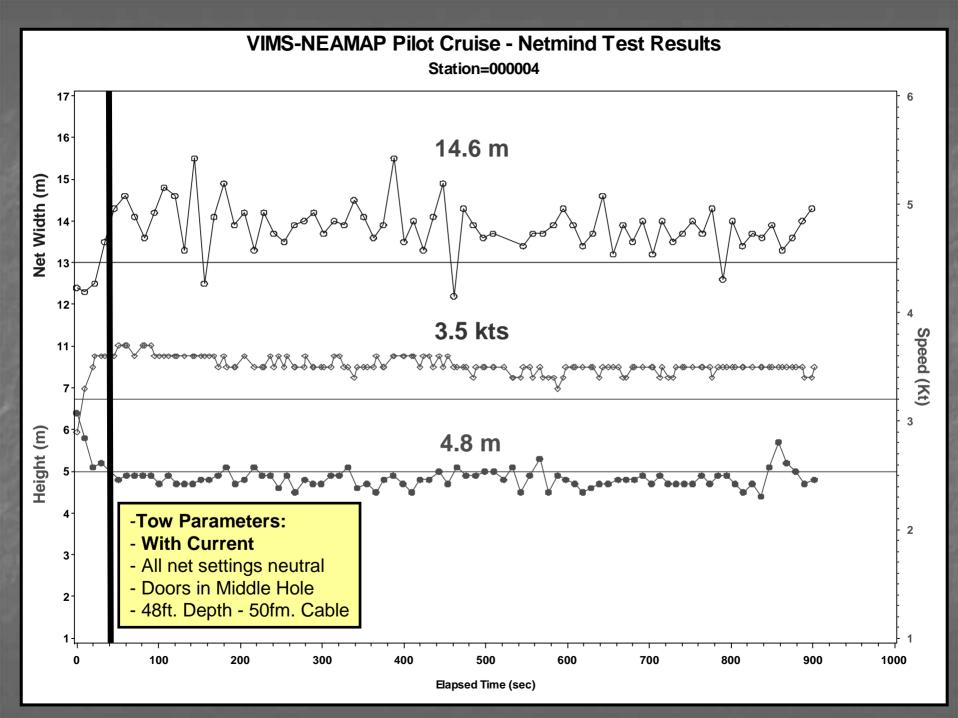
Initial Gear Trials May 9 & 10 Stations Selected









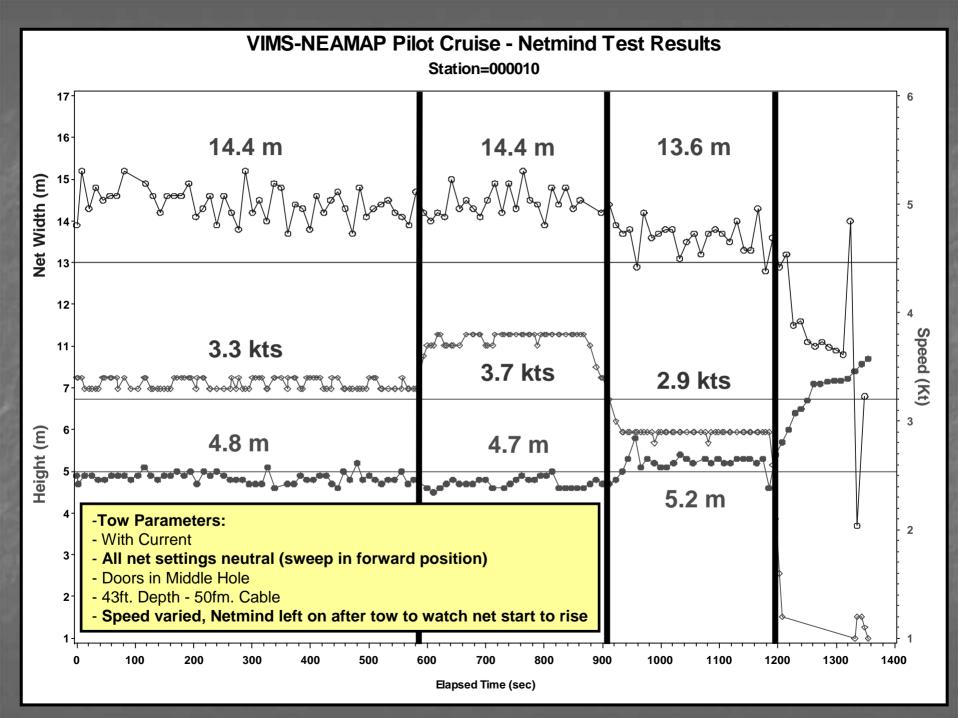


Tow 5 Not Recorded Due to a Computer Glitch

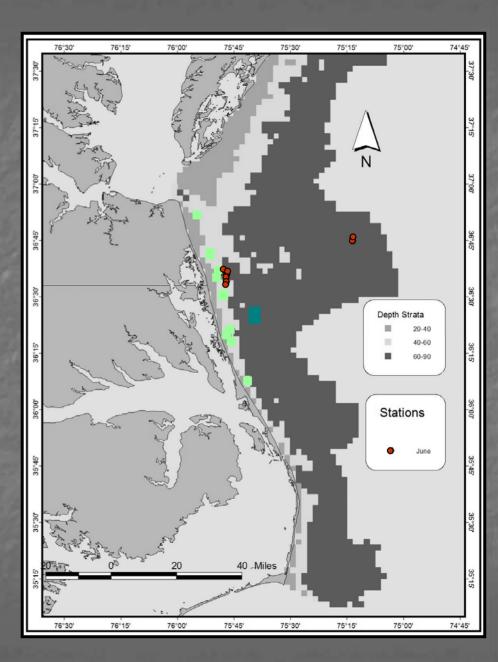
Tow Parameters:

- With Current
- Top bridle in 50cm.
- Doors in Middle Hole
- 44ft. Depth 50fm. Cable
- 3.6 knots

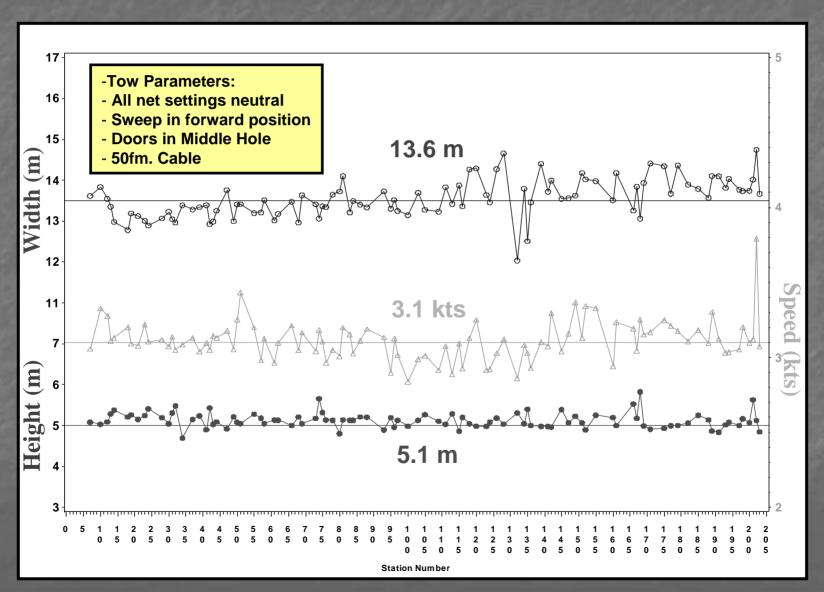
Results: Headline down 0.5m to 1.0m; Wingspread unchanged



NEAMAP / NEFSC Gear Trials June 29 & 30 Stations Selected

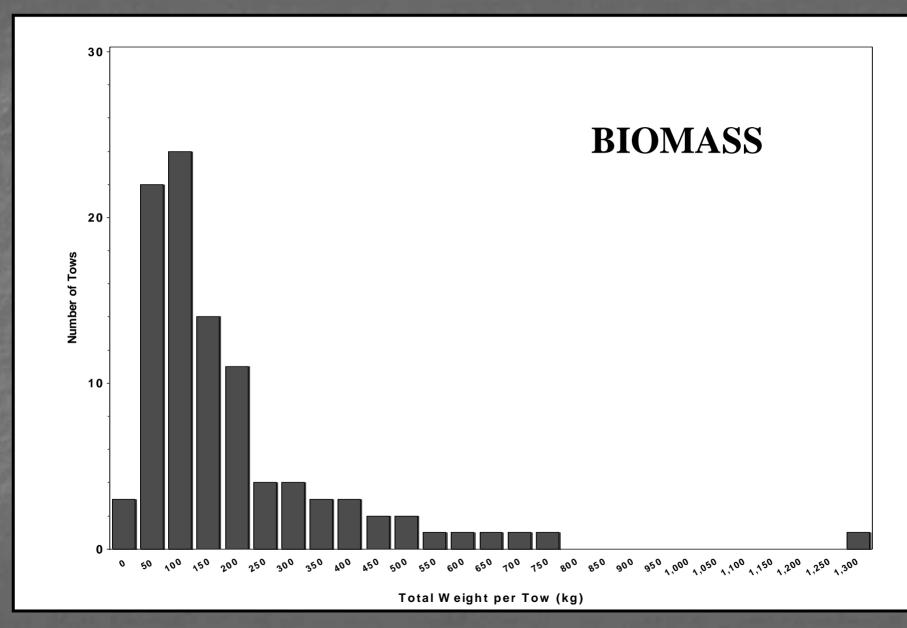


NEAMAP Pilot Trawl Survey Net Performance

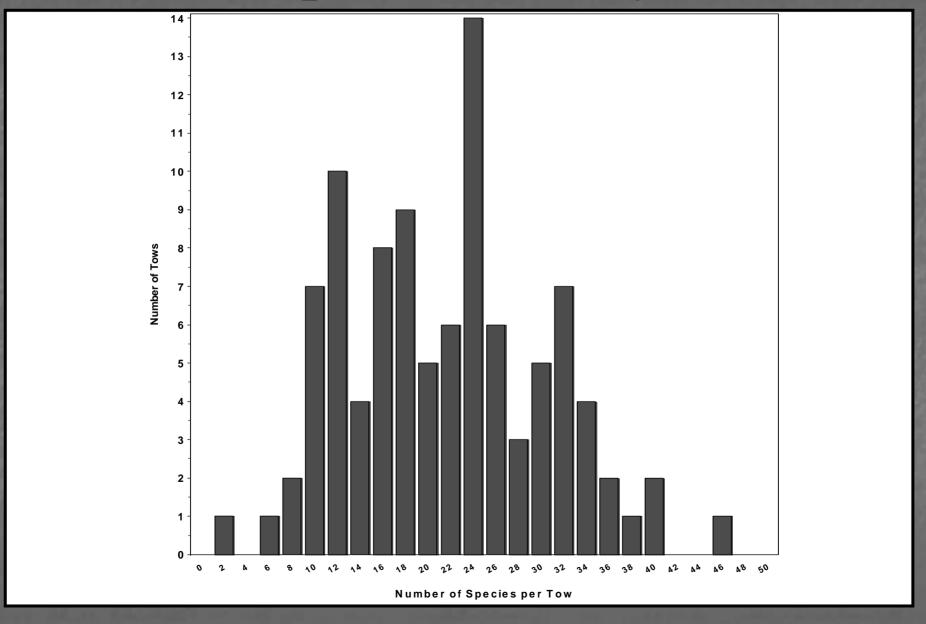


RESULTS Catch Summaries

Catch Per Station



Species Diversity



Summary

- May work was first trial for this net/door combination - net performed as expected (13-14 m wingspread, 5-5.5 m headrope) in inshore waters
- June work allowed for NEFSC to observe gear and for additional performance tests
- Fall pilot cruise showed that this net/door combination is an effective gear for use in our fishery-independent coastal trawl survey