Science, Service, Stewardship

Performance of the Northeast Groundfish Fishery

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NEFMC Council Meeting, Portsmouth, NH – January 27, 2015

January 26, 2015

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Major Findings – 2013

All species nominal revenues: $286.5M

GF nominal revenues: $58.7M

Decreases in landings & revenues for all species

(revenue at a 4 year low: down $26.1 million, 8.8%, from 2012)

GF landings & revenues at a 4 year low

(GF revenues down $12.6 million, 18.6%, from 2012)

in 2013

Most measures of economic performance declined in 2013.

The quota market declined in weight & value in 2013;

21 million lbs leased, valued at $4.4 million.

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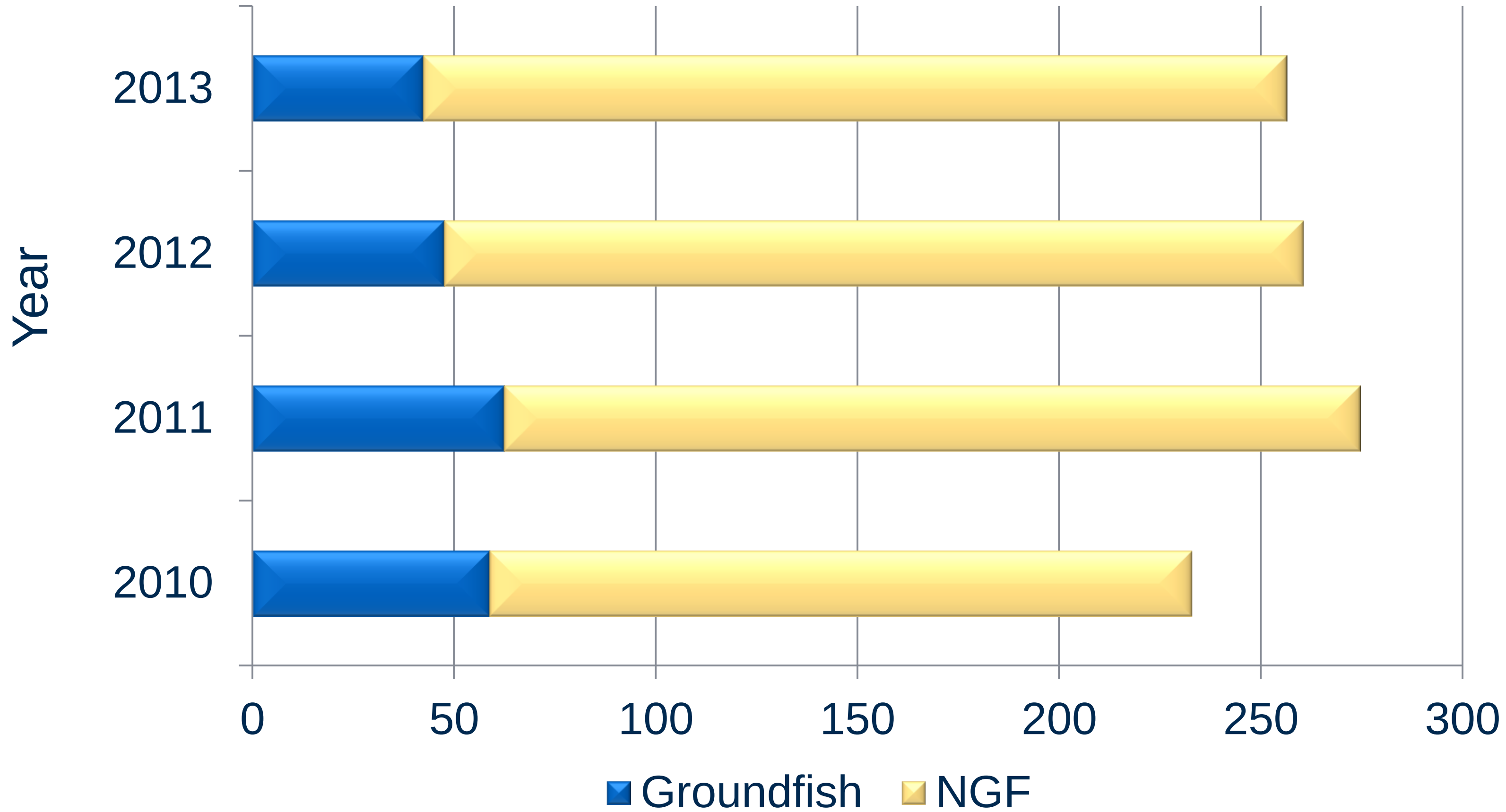
LANDINGS, PRICES AND REVENUES

Lower Total Landings in 2013, compared to 2012

GF landings at a 4 year low and down 10.9% from 2012

NGF landings up <1% from 2012

Landings for all groundfish vessels, May-April
all trips, all species, million pounds



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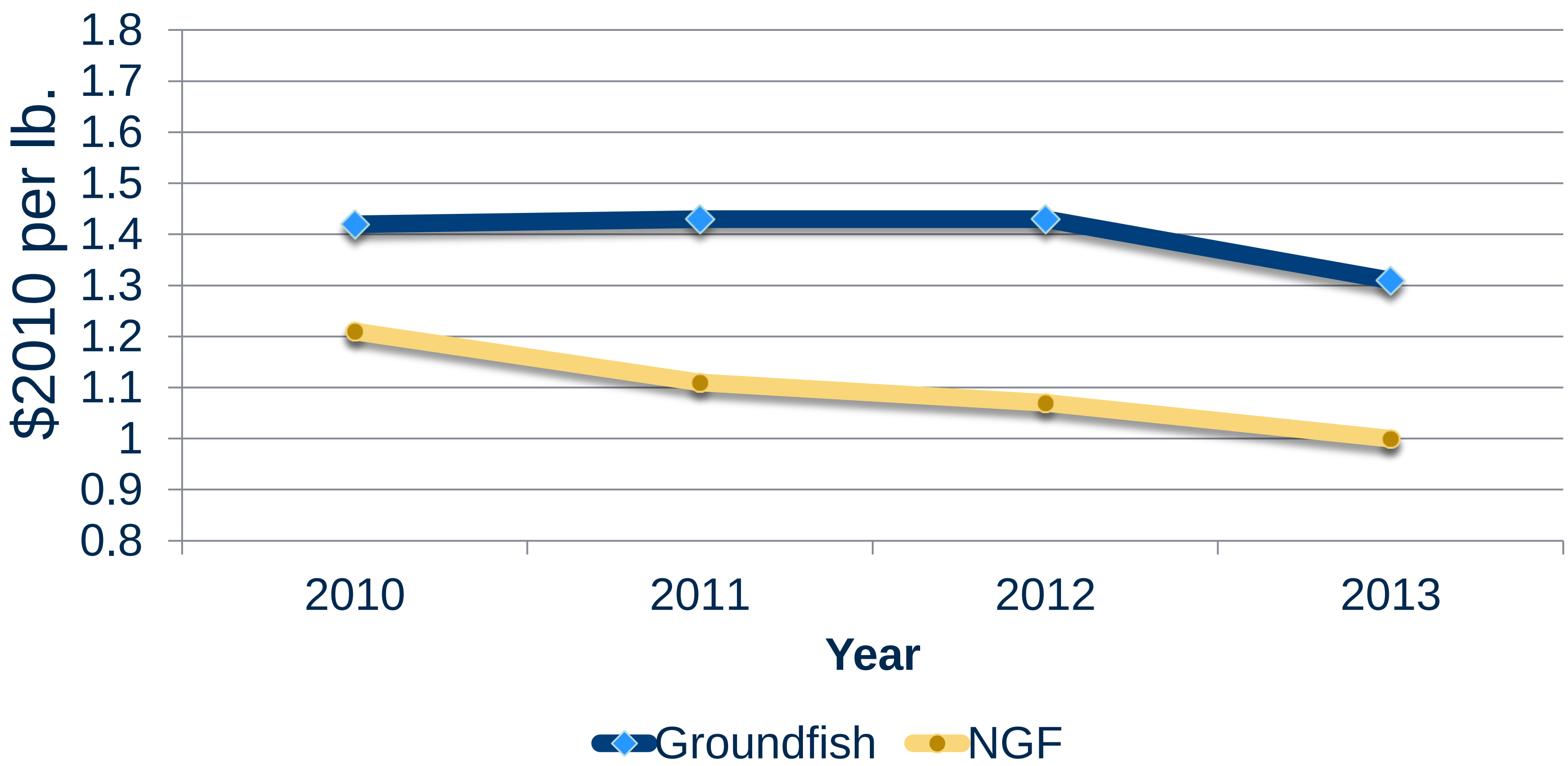
Average GF & NGF prices
At four year lows in 2013

Average price per pound, $2010
all groundfish vessel landings, May-April



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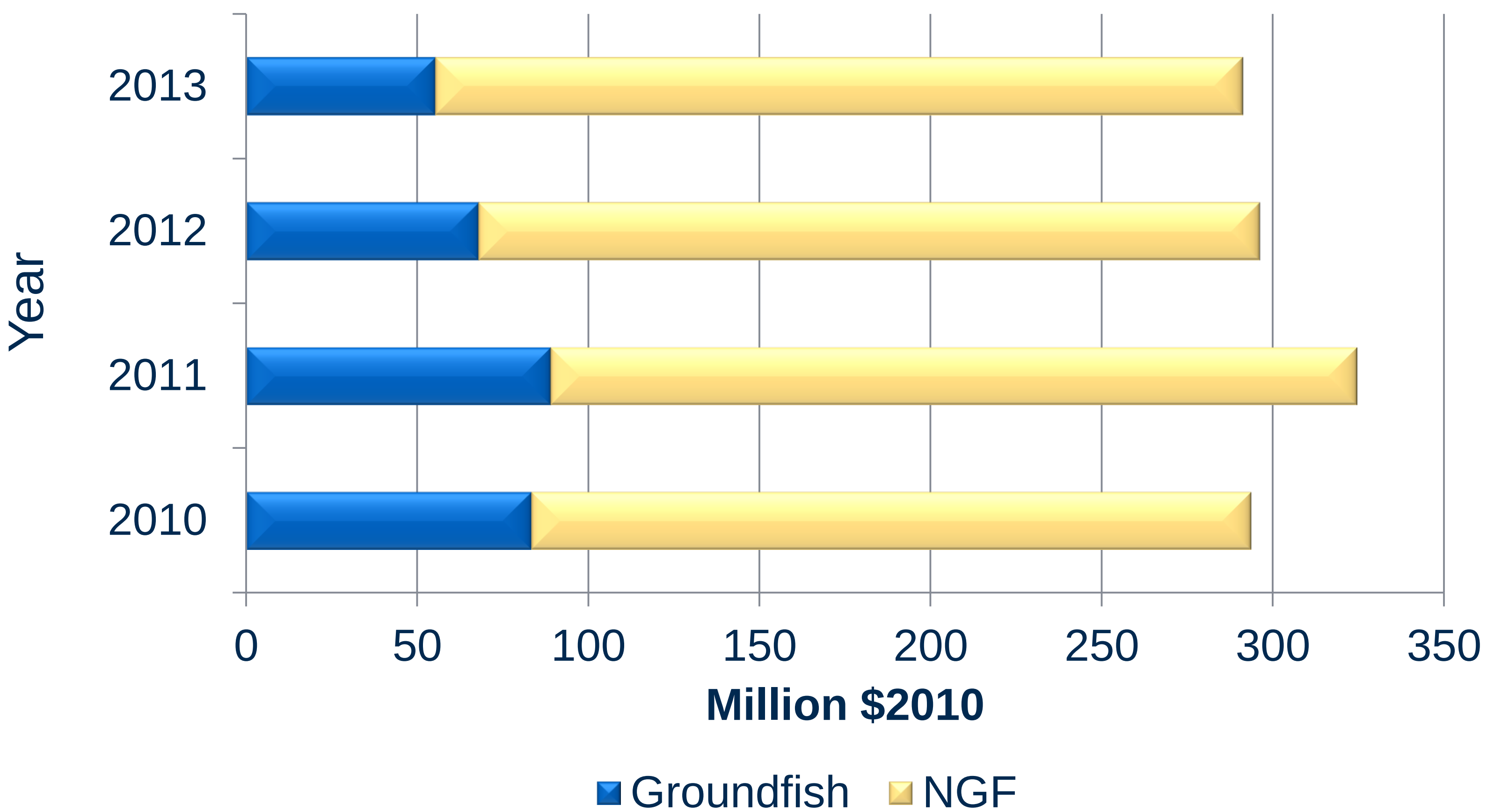
All species revenues at a four-year low in 2013

All species down 8.8%, GF down 18.6% , NGF down 5.9% from 2012

Revenues for all groundfish vessels, May-April all trips, all species, million $2010



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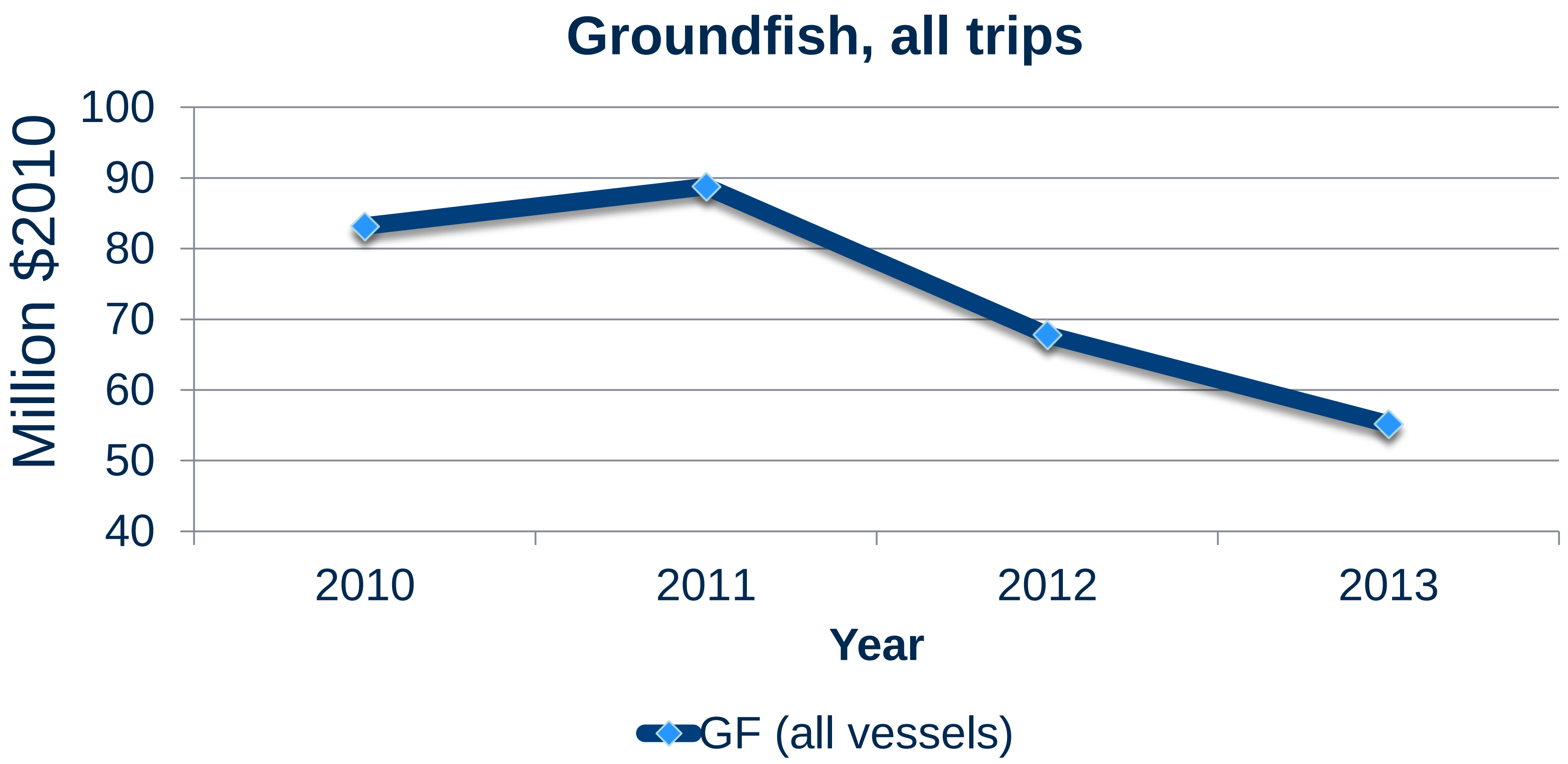
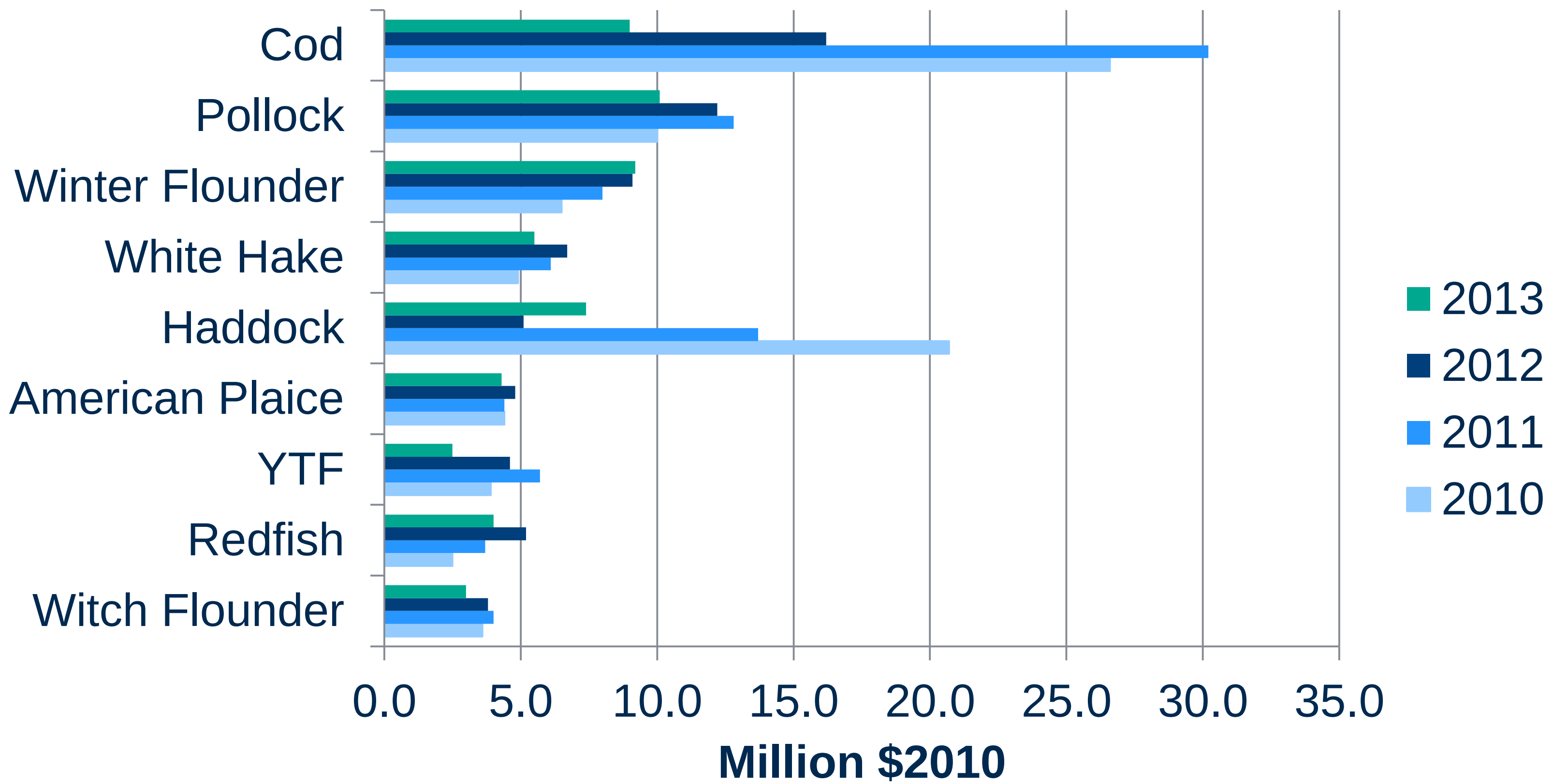
GF Revenues at a 4 year low down $28M, 33.6% from 2010

Value of Groundfish Landings
million $, adjusted for inflation, May-April



Value of 9 Allocated GF Species landed by GF vessels, million $2010, May-April



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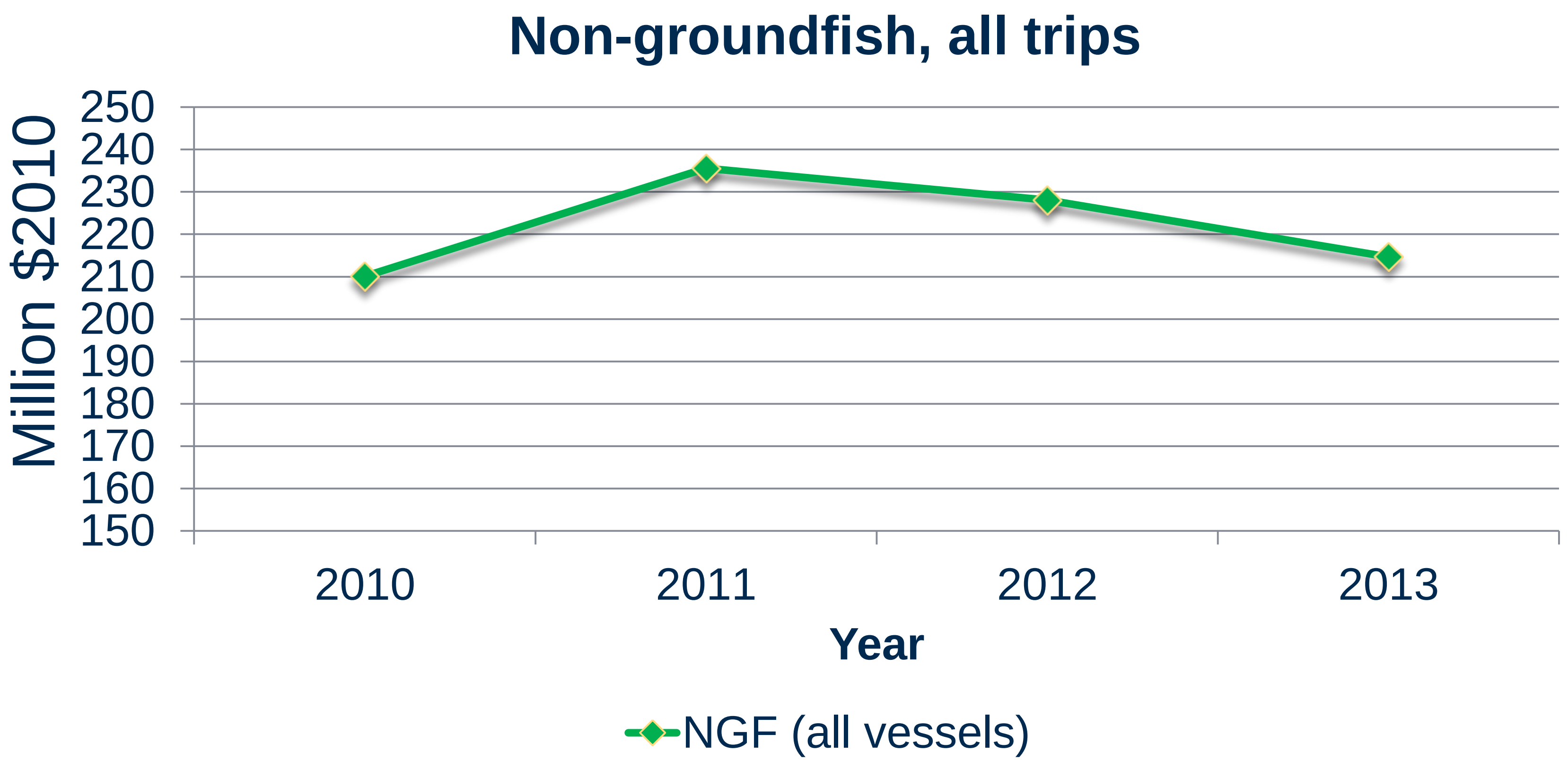
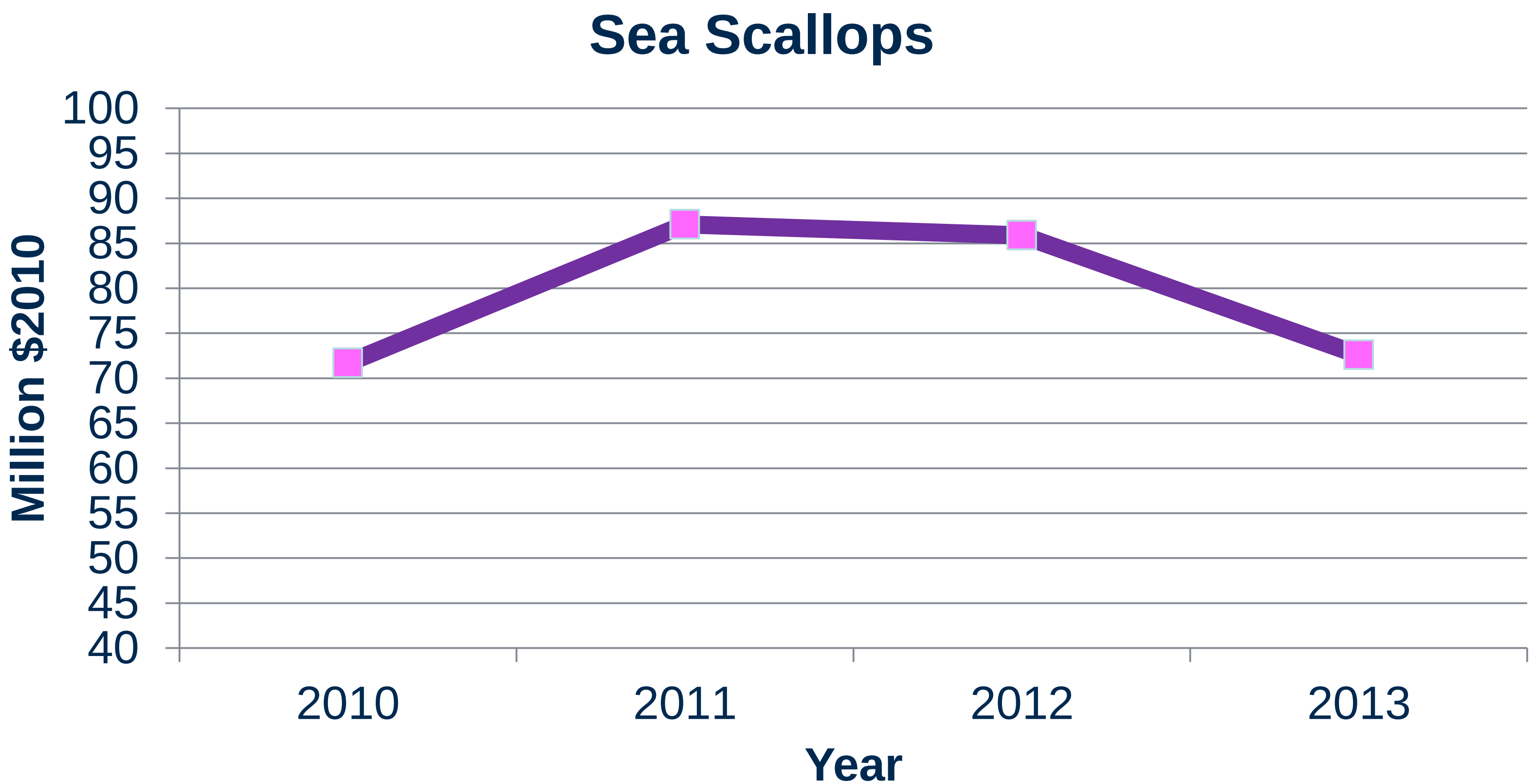
NGF Revenues at a 3yr low
Down 5.9% from 2012
Up 2.2% from 2010

Value of Non-groundfish Landings
million $2010, May-April



Top NGF Species by Value landed by GF Fleet
Sea Scallops
million $2010, May-April



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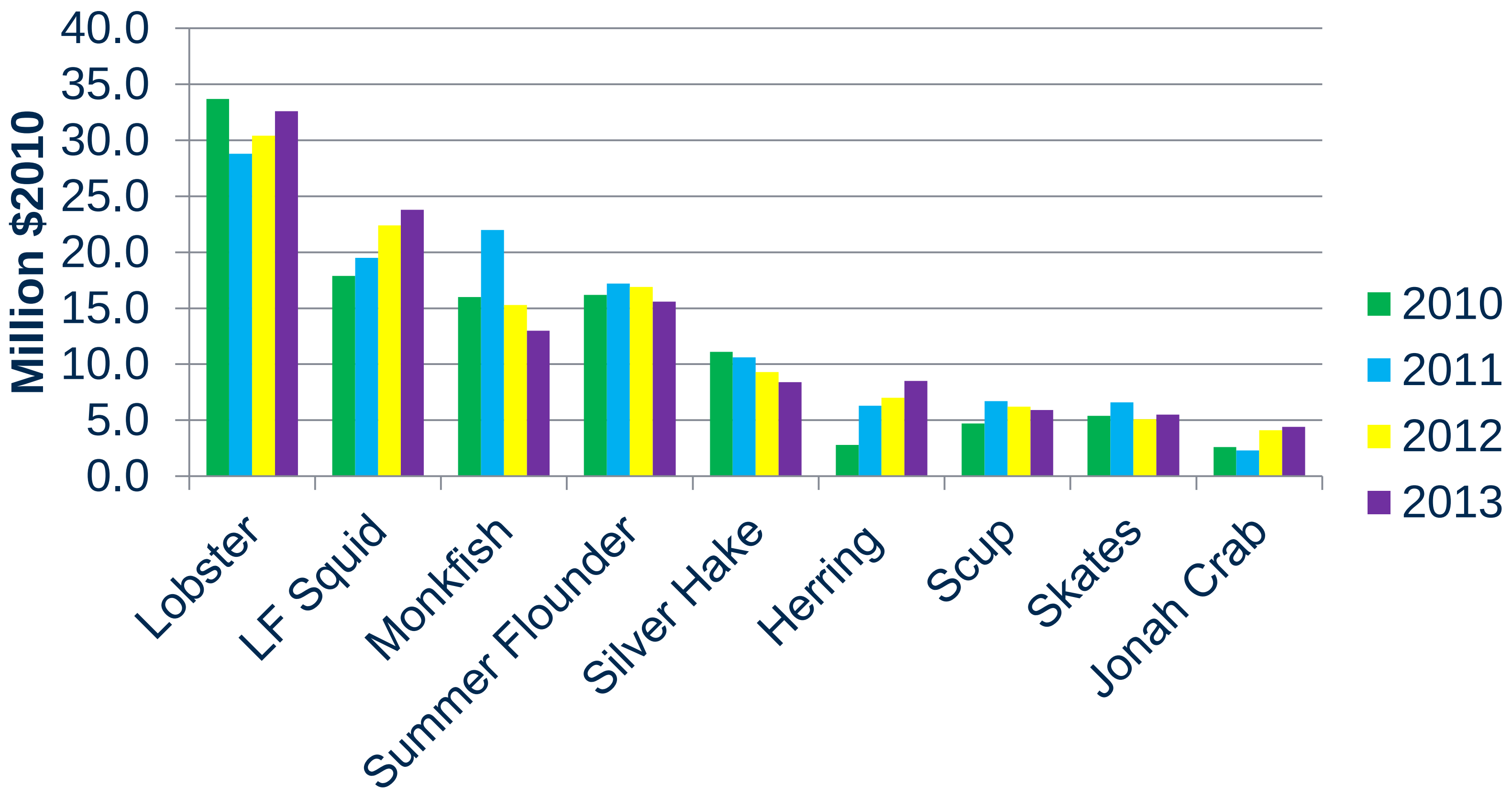
Value of Top NGF Species (Excluding Sea Scallops) landed by GF vessels, million $2010, May-April



All Species, Groundfish and Non-Groundfish Revenues by Vessel's Dependence Level on GF Revenues (as a percent of all species revenues), in 2010 dollars.

Year	Dependence on GF Revenue	n	Percent of All Active Vessels	All Species Revenue	Percent of All Species Revenue	GF Revenue	Percent of GF Revenue	NGF Revenue	Percent of NGF Revenue
2010	0%	420	49.1%	$108,446,612	37.0%	$0	0.0%	$108,446,612	51.6%
	0% < to <= 25%	200	23.4%	$78,498,246	26.8%	$4,557,328	5.5%	$73,940,918	35.2%
	25% <to <=50%	53	6.2%	$18,945,285	6.5%	$6,573,642	7.9%	$12,371,643	5.9%
	50% to <= 75%	49	5.7%	$19,325,368	6.6%	$12,701,426	15.3%	$6,623,942	3.2%
	75% Plus	133	15.6%	$68,064,921	23.2%	$59,379,811	71.4%	$8,685,110	4.1%
	TOTAL	855	100.0%	$293,280,432	100.0%	$83,212,207	100.0%	$210,068,225	100.0%
2011	0%	361	46.5%	$106,665,214	32.9%	$0	0.0%	$106,665,214	45.3%
	0% < to <= 25%	189	24.3%	$104,393,064	32.2%	$4,455,354	5.0%	$99,937,709	42.4%
	25% <to <=50%	43	5.5%	$14,183,535	4.4%	$4,922,646	5.5%	$9,260,889	3.9%
	50% to <= 75%	66	8.5%	$28,226,236	8.7%	$18,320,626	20.6%	$9,905,610	4.2%
	75% Plus	118	15.2%	$70,918,487	21.9%	$61,122,722	68.8%	$9,795,765	4.2%
	TOTAL	777	100.0%	$324,386,537	100.0%	$88,821,349	100.0%	$235,565,188	100.0%
2012	0%	359	47.1%	$111,048,440	37.5%	$0	0.0%	$111,048,440	48.7%
	0% < to <= 25%	194	25.4%	$98,623,938	33.3%	$3,704,468	5.5%	$94,919,469	41.6%
	25% <to <=50%	40	5.2%	$12,341,765	4.2%	$4,499,920	6.6%	$7,841,845	3.4%
	50% to <= 75%	52	6.8%	$14,870,706	5.0%	$9,555,692	14.1%	$5,315,014	2.3%
	75% Plus	118	15.5%	$59,067,061	20.0%	$50,055,217	73.8%	$9,011,843	4.0%
	TOTAL	763	100.0%	$295,951,909	100.0%	$67,815,297	100.0%	$228,136,612	100.0%
2013	0%	378	51.4%	$115,566,035	42.8%	$0	0.0%	$115,566,035	53.8%
	0% < to <= 25%	175	23.8%	$84,325,131	31.2%	$3,830,021	6.9%	$80,495,110	37.5%
	25% <to <=50%	34	4.6%	$11,703,309	4.3%	$4,134,048	7.5%	$7,569,261	3.5%
	50% to <= 75%	40	5.4%	$13,893,506	5.1%	$9,286,472	16.8%	$4,607,033	2.1%
	75% Plus	108	14.7%	$44,397,604	16.5%	$37,969,928	68.8%	$6,427,677	3.0%
	TOTAL	735	100.0%	$269,885,585	100.0%	$55,220,469	100.0%	$214,665,116	100.0%

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NUMBER OF VESSELS & VESSEL AFFILIATIONS

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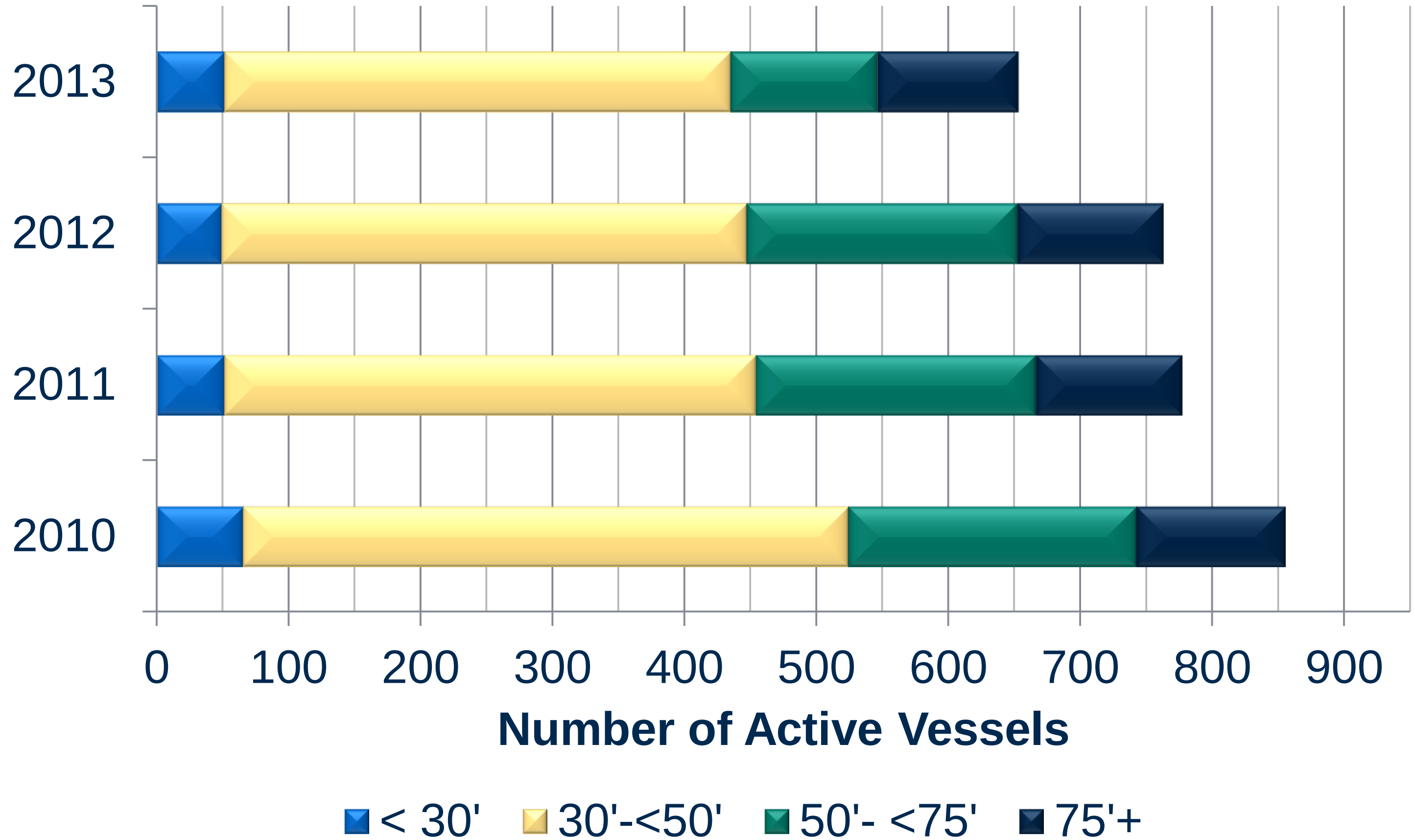
Fewer Active Vessels

across all vessel length classes

Down 3.7% from 2012, 14% from 2010

Number of groundfish vessels with revenue from any species, May-April



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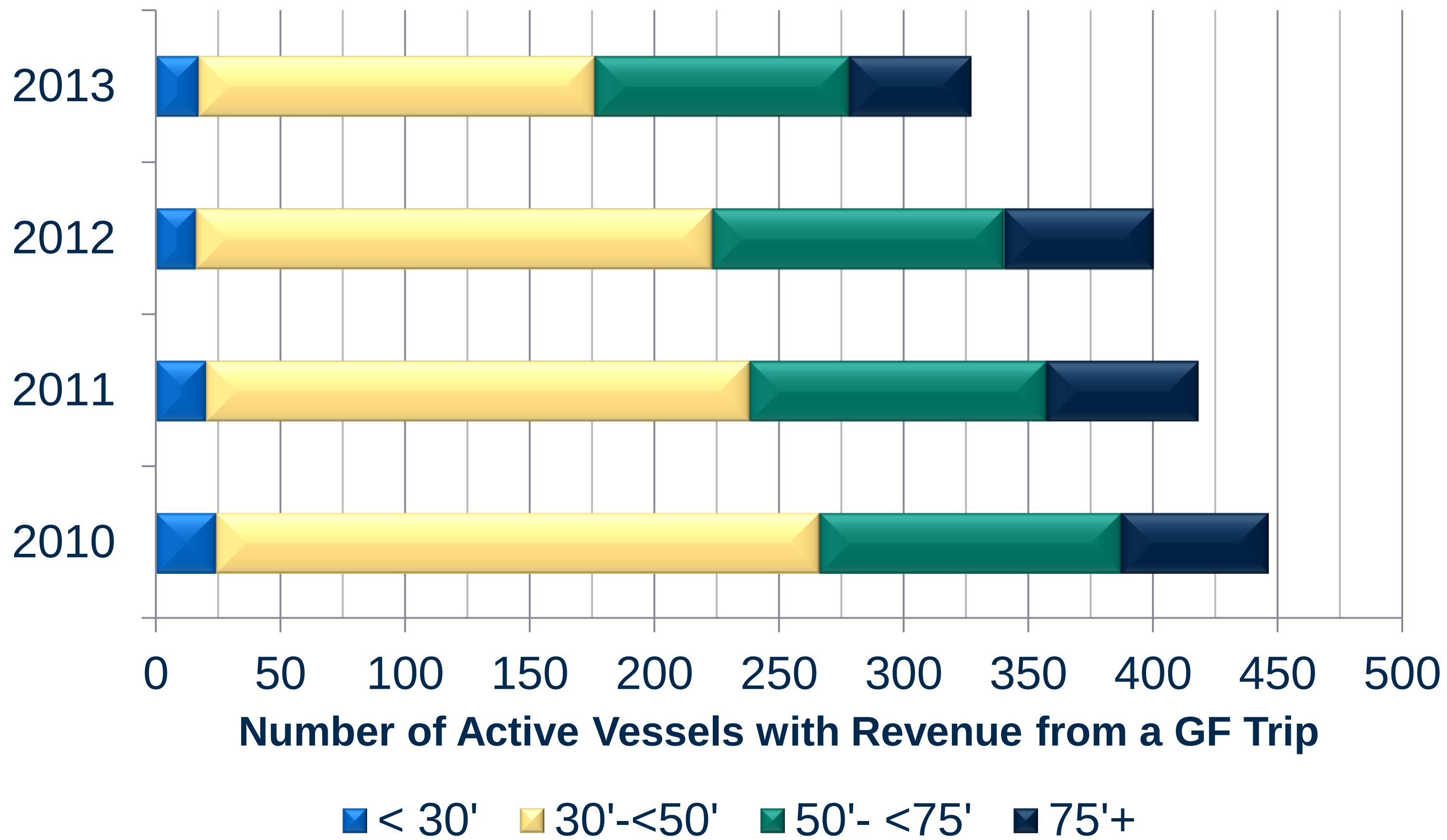
Fewer Active Vessels Targeting GF

across all vessel length classes

Down 18.3% from 2012, 26.7% from 2010

Number of groundfish vessels with revenue from at least one GF trip, May-April



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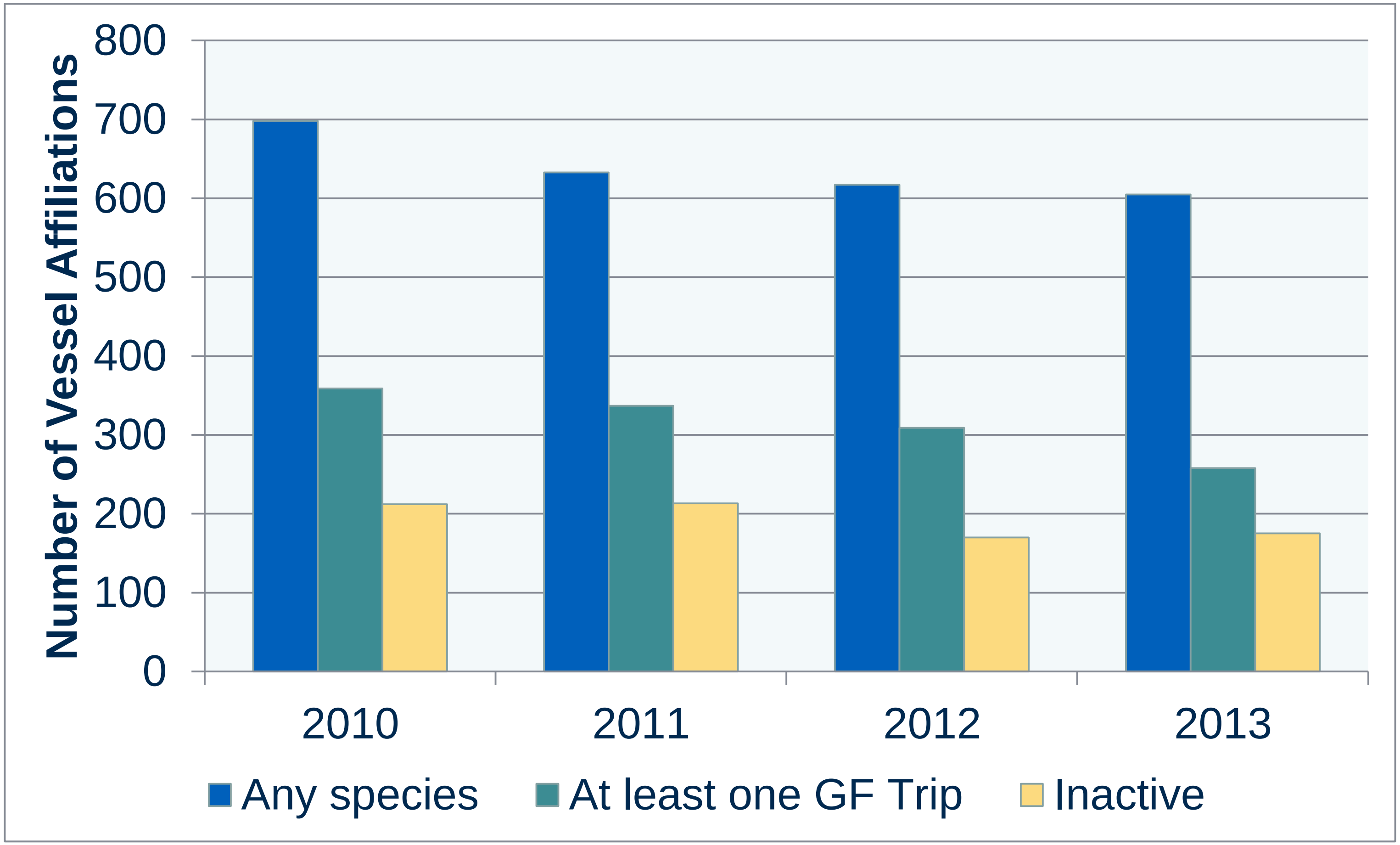
Fewer Active Vessel Affiliations

Number of Vessel Affiliations (w/ revenue from any species and from GF, and inactive)



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CREW EMPLOYMENT

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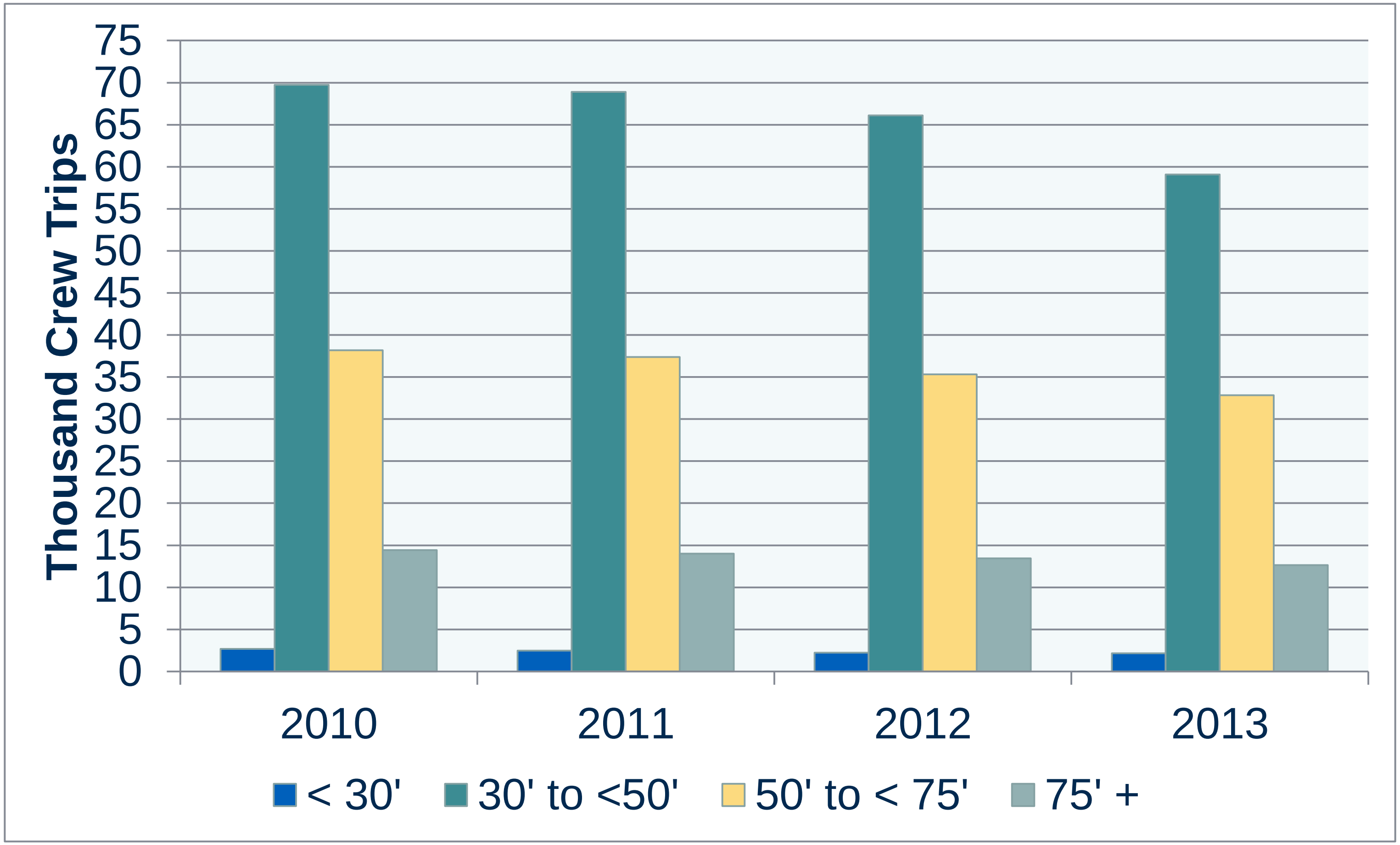
4 year low in 2013 across vessel length categories

Number of Crew Trips by Vessel Size Category (thousand trips, all trips, May-April)



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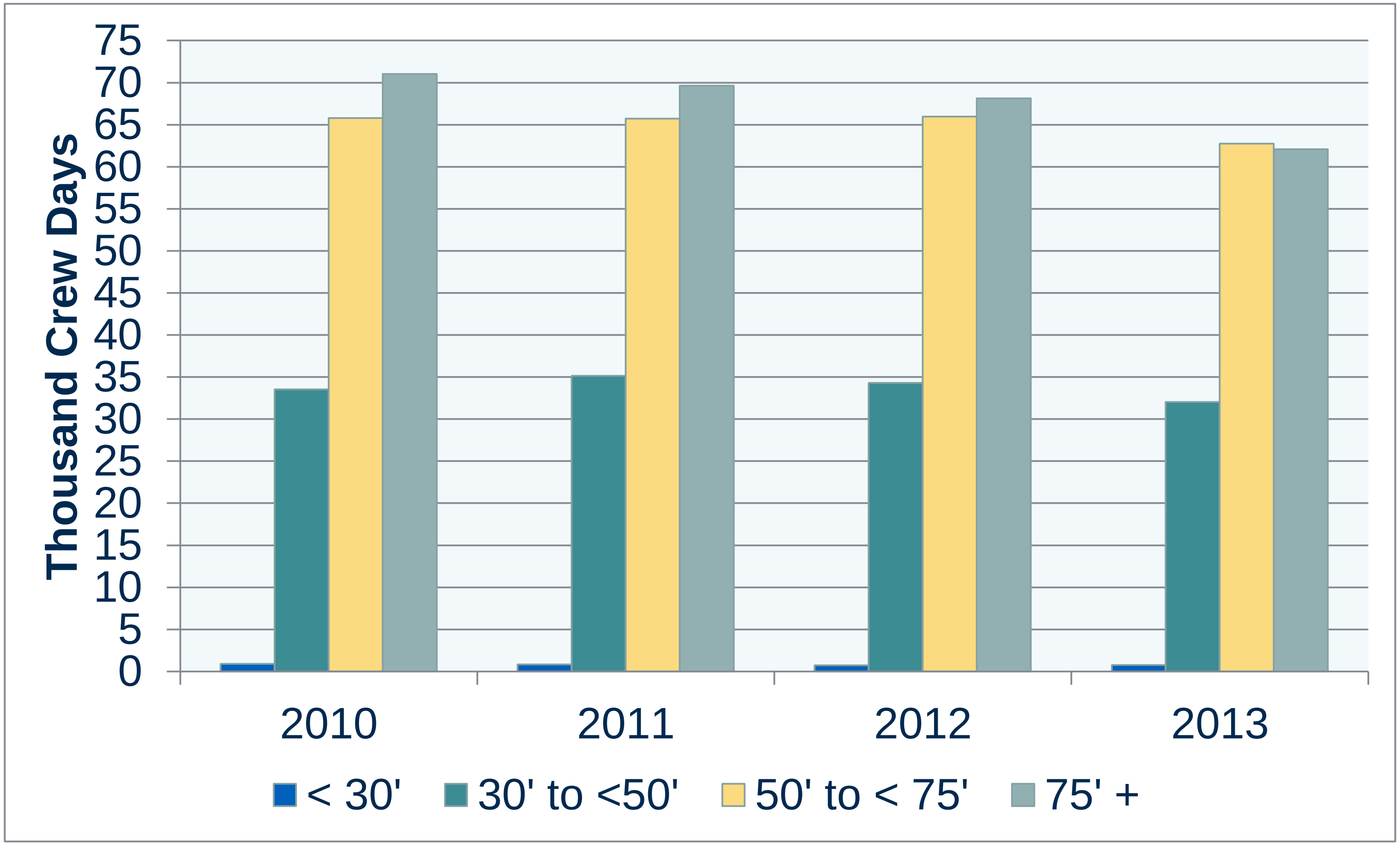
All vessels combined:, down 6.8% from 2012
4 year low for all vessel sizes categories, except <30'

Number of Crew Days by Vessel Size Category (thousand days, all trips, May-April)



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Summary of Crew Employment

- The number of crew positions was at a 4 year low in 2013, declining 10.1% from 2010. Decreases from 2012 ranged from 1.3% (<30’) to 5.7% (50’ to <75’).
- The number of crew positions was at a four year low in 2013 for all home port states except ME, CT, and NJ. Declines from 2012 ranged from 2.6% for RI to 9.5% for NH.
- Total crew trips fell 8.9% from 2012 and 14.7% from 2010. Declines occurred across vessel length classes. The 30’ to <50’ group saw the largest decline in both absolute and percentage terms (-10.7% from 2012).
- Crew trips are at a 4 year low in CT, MA, ME, NH, NJ and NY, and a 4 year high for RI.

Summary of Crew Employment (continued)

- MA, NJ, and NY hit a 4 yr. low for the number of crew days in 2013. CT, ME, and NH saw declines from 2012. For RI, the total number of crew days increased 5.8% from 2012, but declined 4.4% from 2010.

- The time spent per earning opportunity (crew days/crew trips) was at 4 yr. high for the fleet overall, increasing nearly 3% from 2012 and 8% from 2010. MA, ME, NH, and NY all saw 4 yr. highs. RH saw a 4 yr. low. Remaining states saw increases from 2012, but not 4 yr. highs.

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LEASING ACTIVITY

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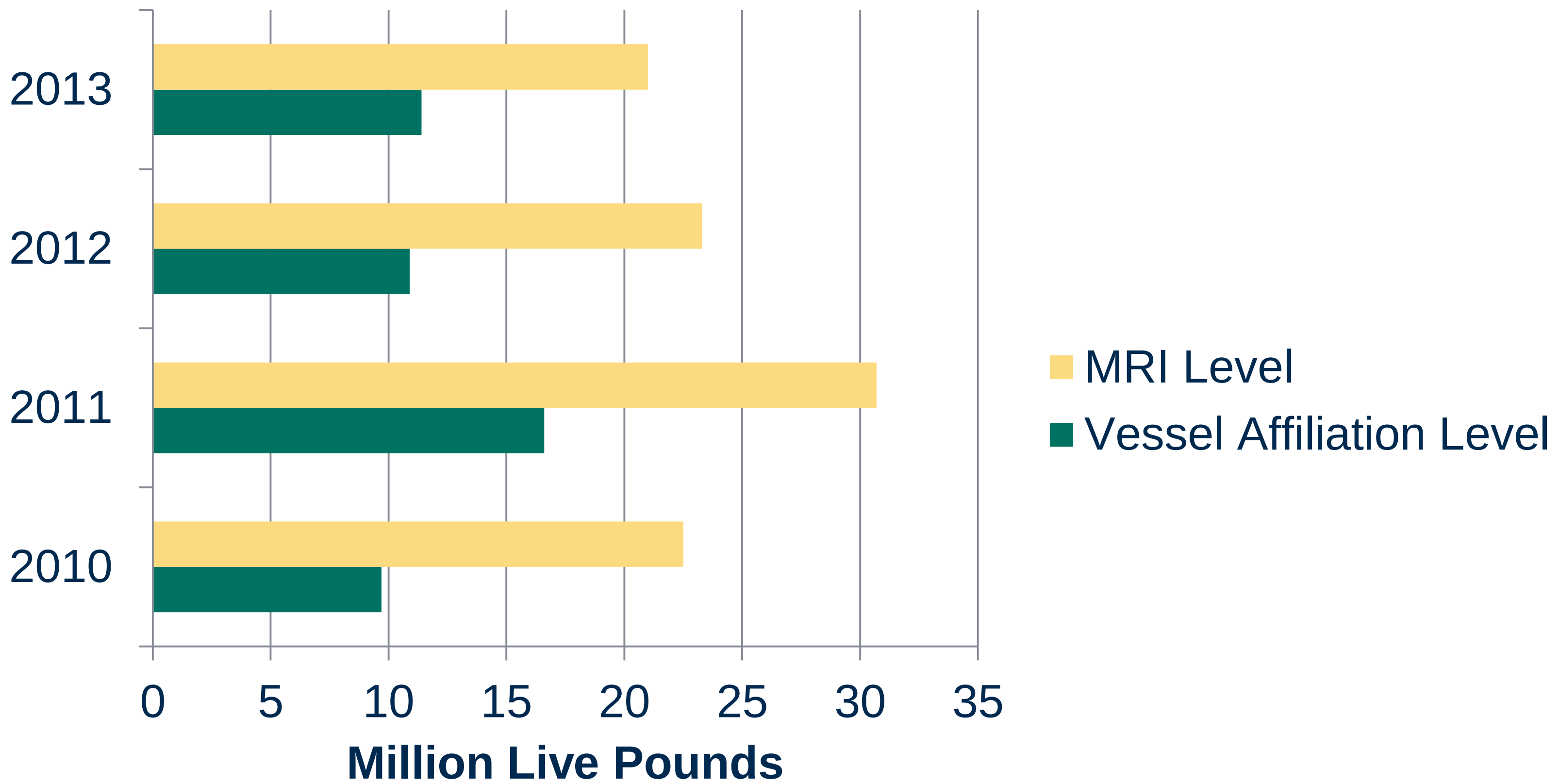
ACE/PSC Leasing (million live pounds, May-April)



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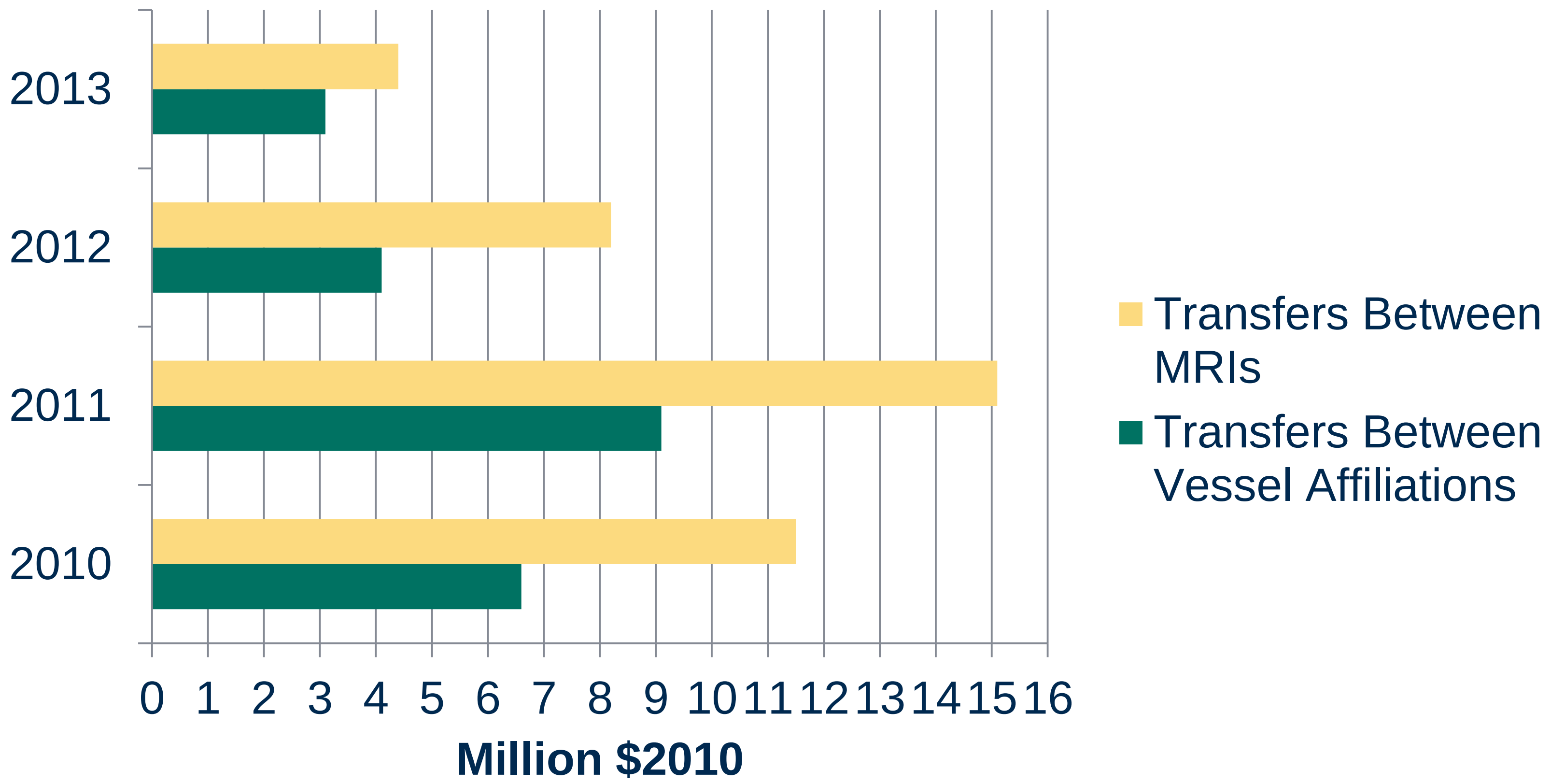
Value of ACE/PSC Leasing (million $2010, May-April)



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Summary of Leasing Activity

- Both the weight & value of the quota market was down in 2013. The value of quota leased at the MRI level declined 46% from 2012 and 62% from 2010.
- About 33% of allocated ACE was caught in 2013, which is nearly constant from 2012.
- On the stock level, utilization rates ranged from 10% (GB West Haddock) to 105% (Witch Flounder).
- The home port state of MA and major home port of Gloucester have the largest number of lessees.
- Vessels 30’ to <50’ account for the largest percentage (nearly 46%) of lessees.

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ECONOMIC PERFORMANCE

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Estimation of Net Revenue

- Net Revenue = Gross Revenue – Trip Costs
  - Trip costs included: fuel, oil, ice, bait, food, water and damages, lumpers' fees, and sector membership fees.
  - Communication and trucking costs are not accounted for.

- Limitations
  - Does not account for quota leasing costs incurred or leasing revenues received.
  - Does not reflect fixed costs.
  - Net revenue is not a measure of profitability.

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Estimation of Net Revenue

- Methodology & Assumptions
  - Trip costs for all trips are estimated using cost information from sampled trips. Average trip costs per day absent were estimated for 92 vessel types.
    - Vessel type was based on gear, vessel length, trip duration & fishing year.
  - Assumptions about whether the vessel is operated by the owner or by a hired captain.
    - Vessels < 75':
      - Crew of < 3: operator is the owner.
      - Crew of 3+: operator is a hired captain.
    - Vessels 75'+: operator assumed to be a hired captain.

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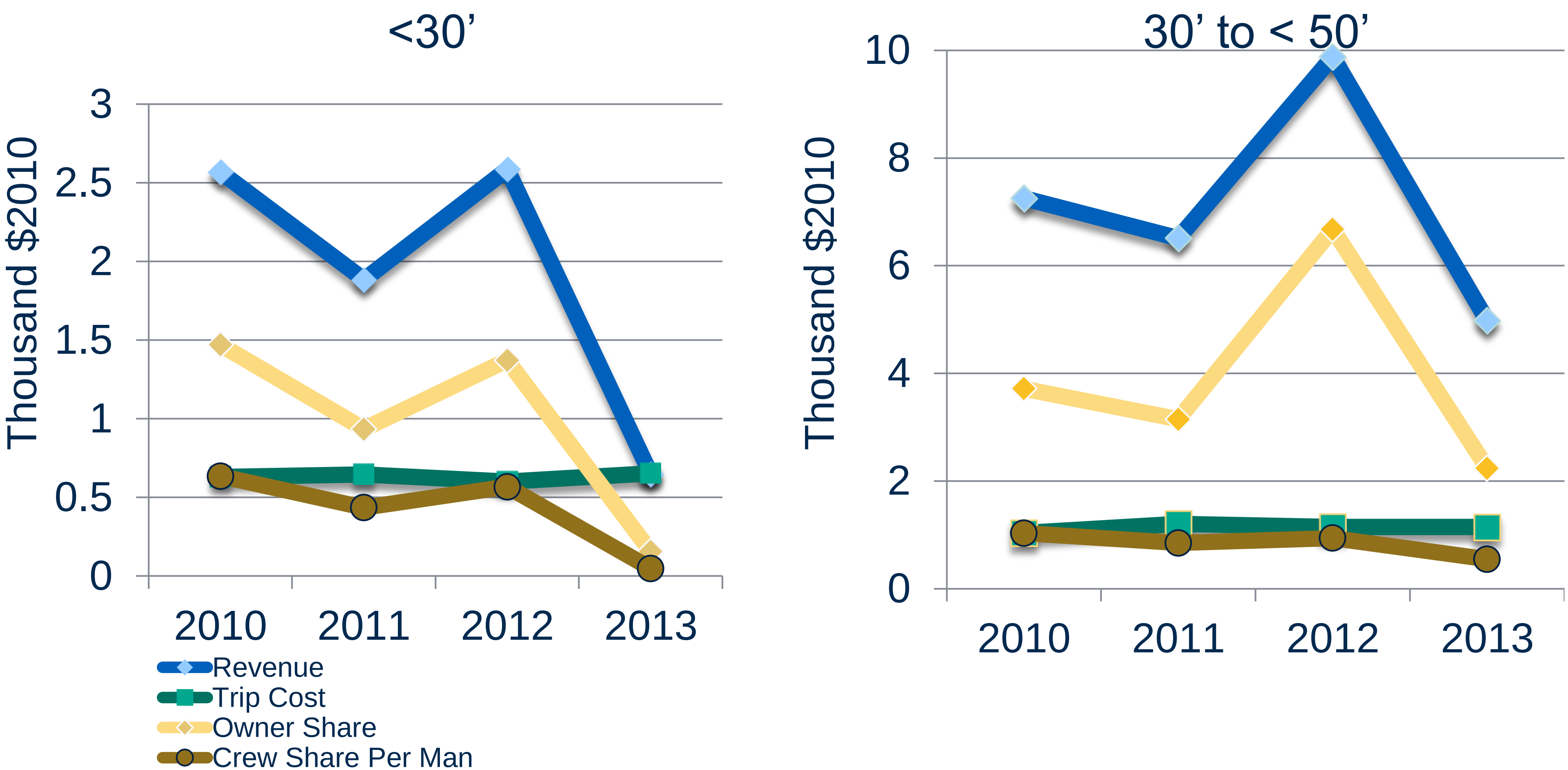
Average <u>Per Day</u> Values on <u>GF</u> Trips
Revenues and shares at 4 year lows for smaller vessels (unadjusted for leasing)

Groundfish trips, May-April



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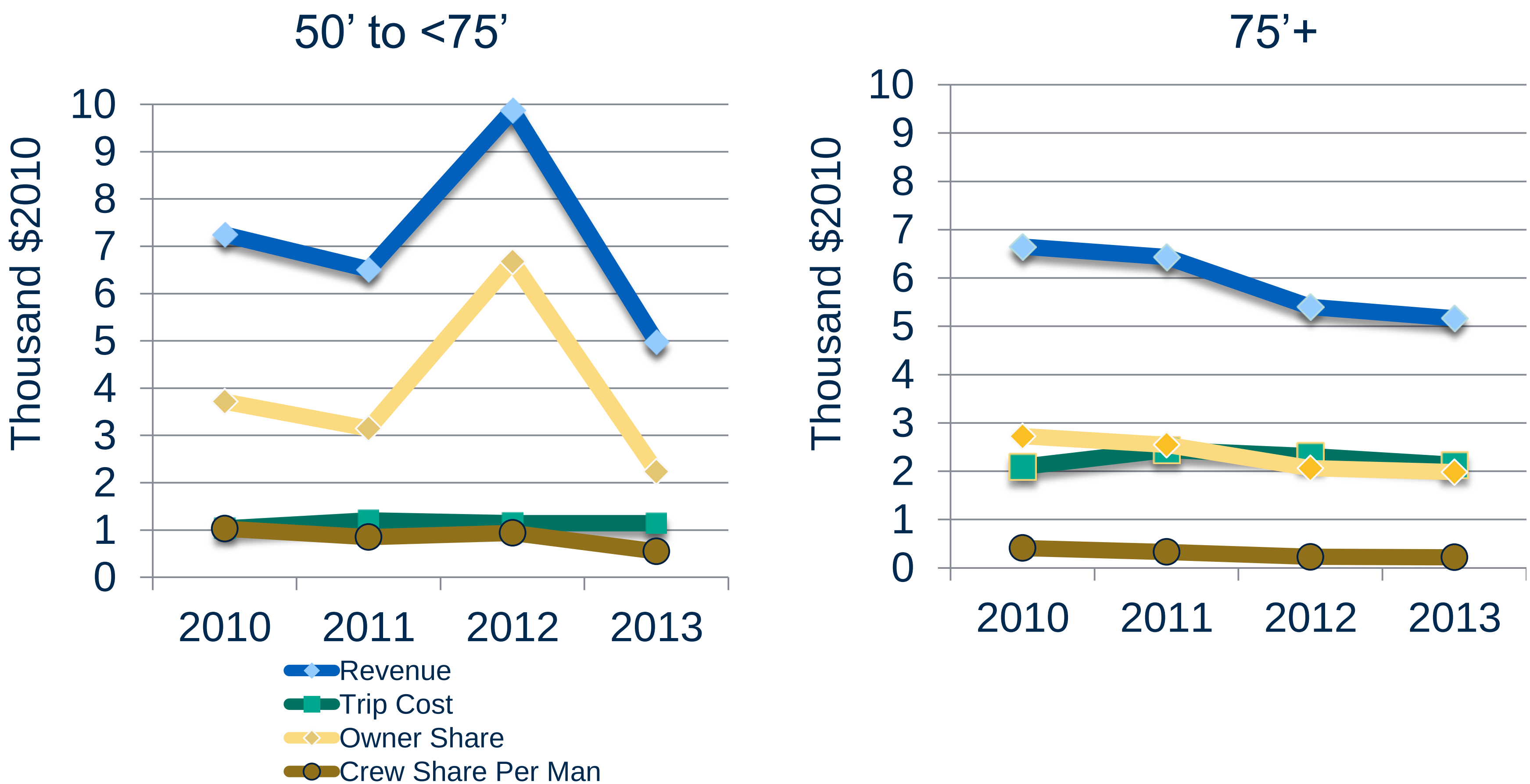
Average Per Day Values on GF Trips

Revenues & shares at 4 year lows for larger vessels (unadjusted for leasing)

Groundfish trips, May-April



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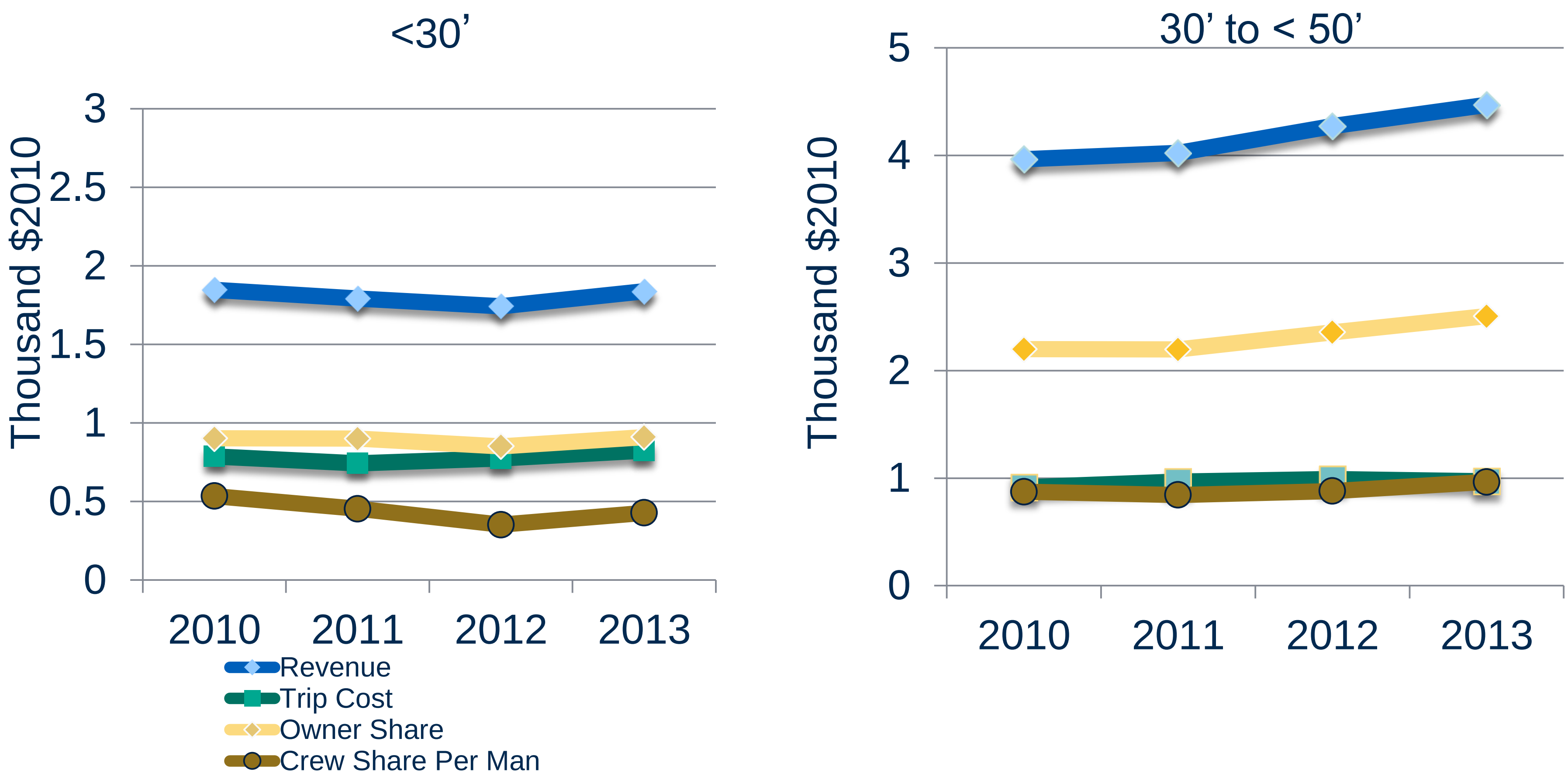
Average Per Day Values on NGF Trips
Revenues and shares constant or Increased slightly

Non-Groundfish trips, May-April



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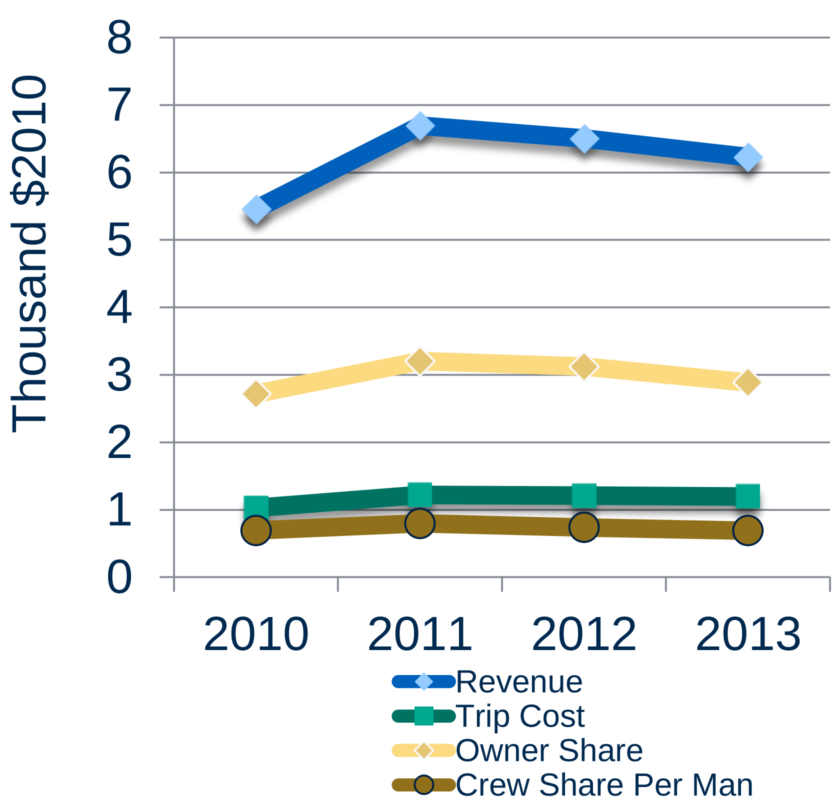
Average Per Day Values on NGF Trips

Revenues & Shares at 3 year lows for 50’ to <75’

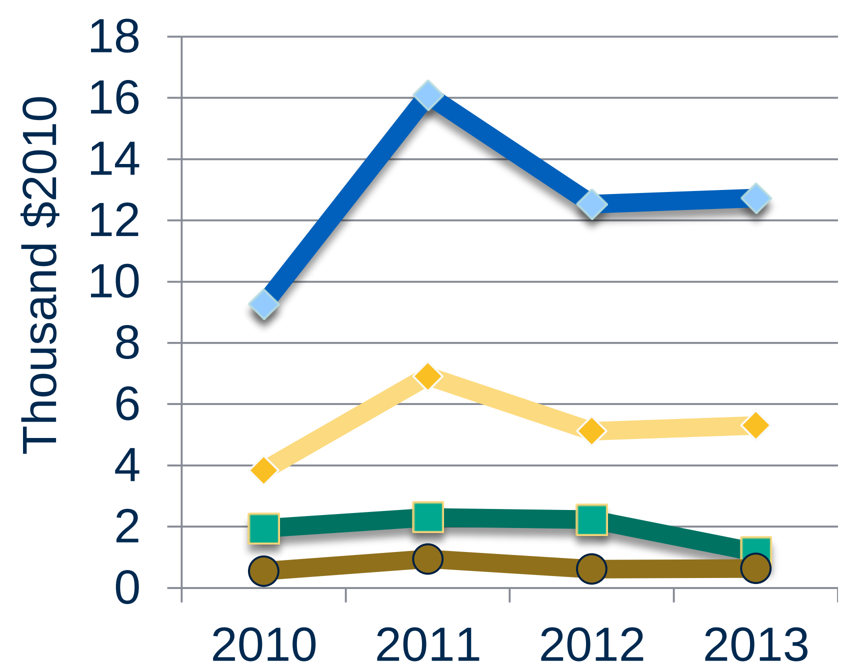
Revenues & Shares increased very slightly from 2012 for 75’+

Non-Groundfish trips, May-April

50’ to <75’



75’+



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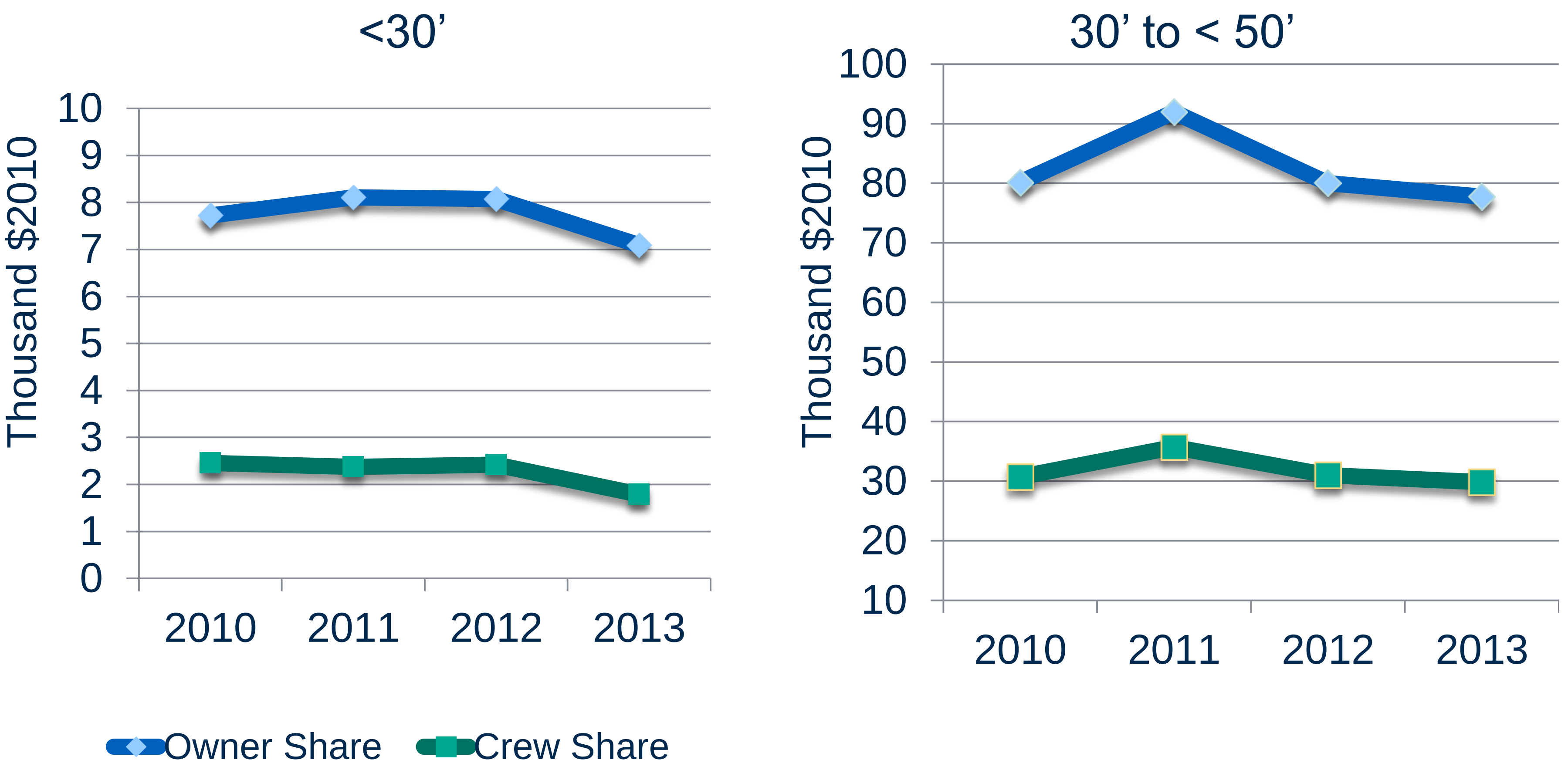
Lower Average Per Vessel Shares at four year lows for <30' and 30' to <50' (unadjusted for leasing)

All trips, May-April



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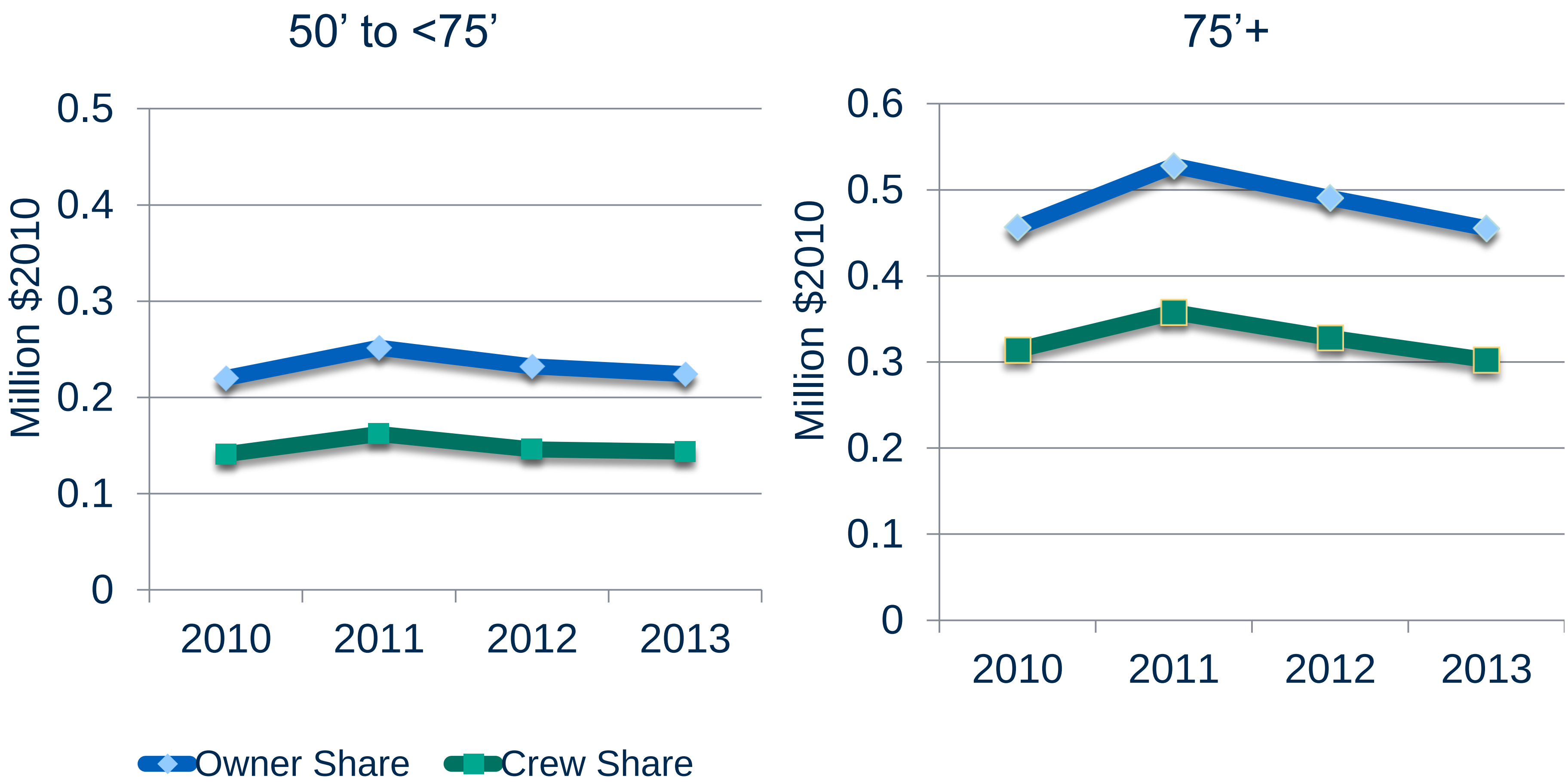
Average Per Vessel Shares at a 3 year low for 50’ to <75’ , 4 year low for 75’+ (unadjusted for leasing)

All trips, May-April



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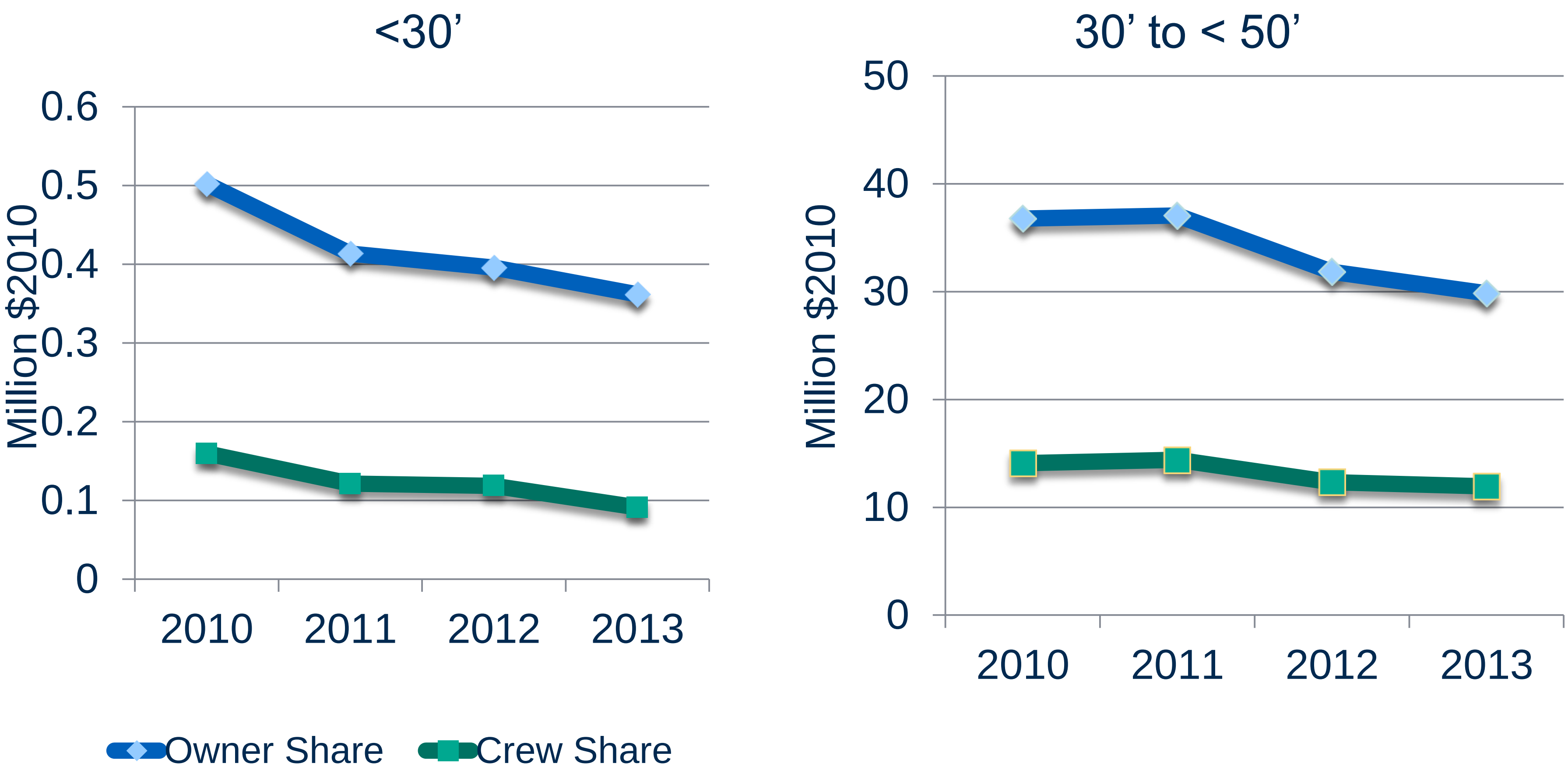
Fleet Level Shares at 4 year lows for smaller vessels (unadjusted for leasing)

All trips, May-April



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<u>Fleet Level</u> Shares at 4 year lows for larger vessels (unadjusted for leasing costs)

All trips, May-April

50 to <75'

75'

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CONSOLIDATION & DISTRIBUTION OF LANDINGS REVENUES AMONG ACTIVE VESSELS & VESSEL AFFILIATIONS

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Consolidation & Distribution of Revenues from Landings by the active GF fleet

- Consolidation of revenues:
  - A shift in the GF fishery towards fewer active vessels or active vessel affiliations earning GF and all species revenues.

- Distribution of revenues:
  - The distribution of GF and all species revenues among the remaining active vessels or active vessel affiliations in the fishery.

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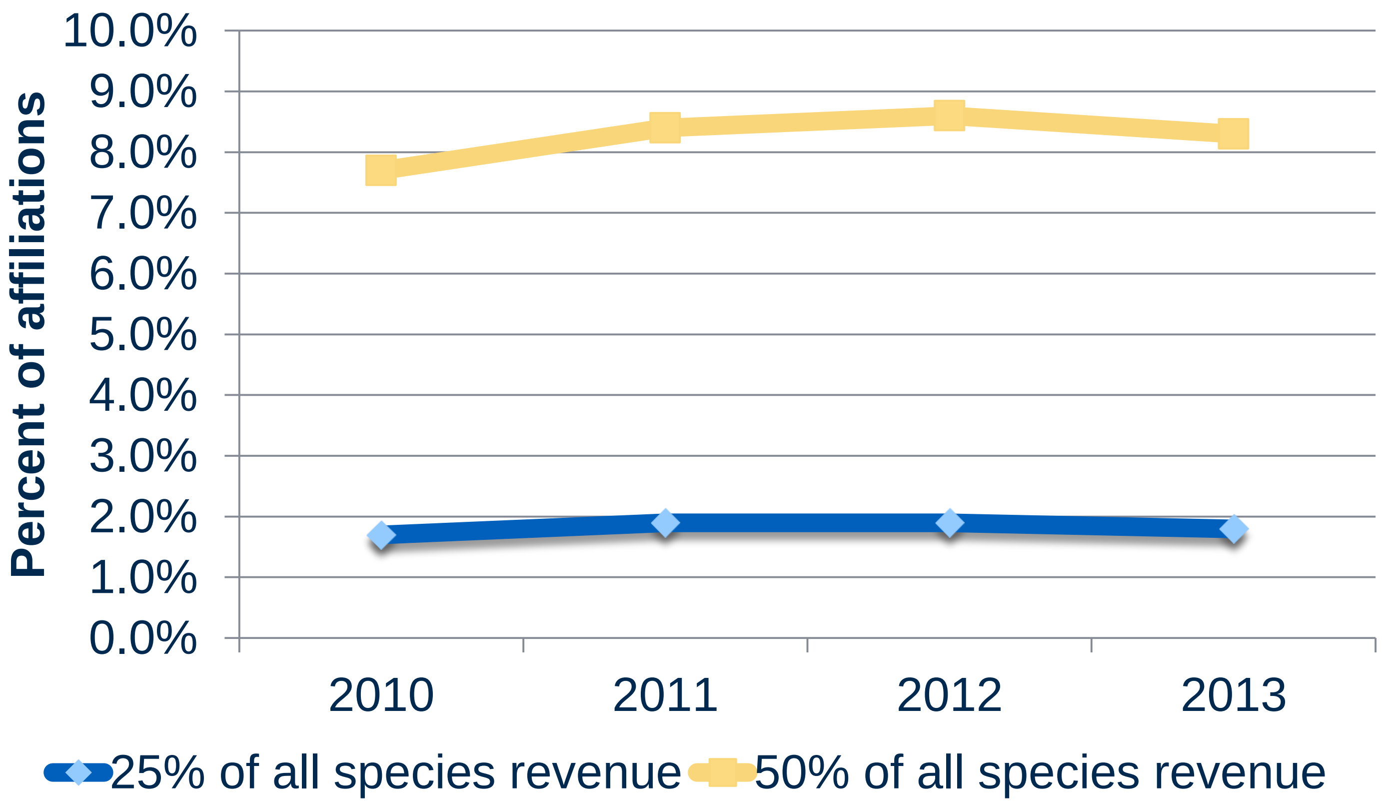
Revenue Consolidation

Percent of vessel affiliations landing top 25% and 50% of all species revenue



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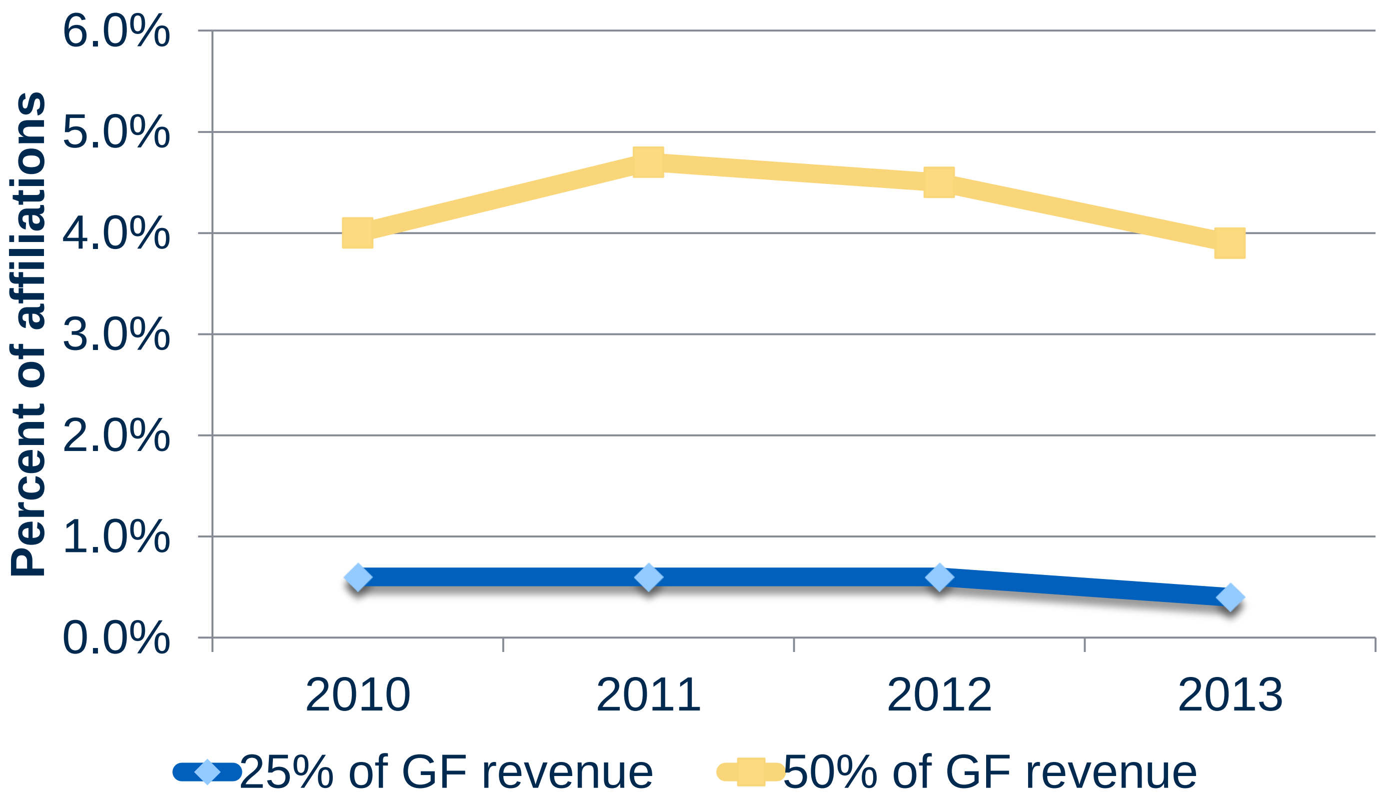
Revenue Consolidation

Percent of vessel affiliations landing top 25% and 50% of groundfish revenue



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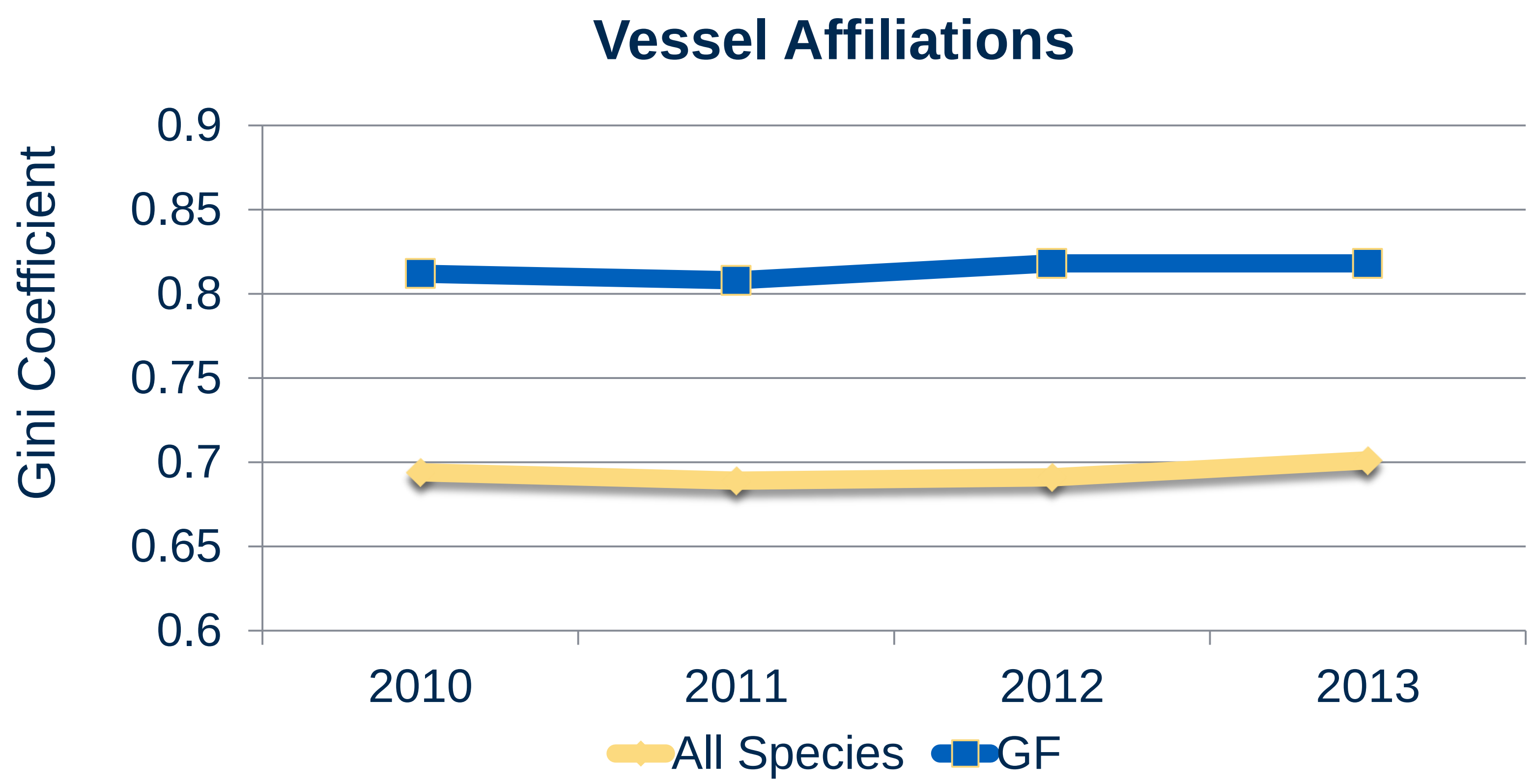
Revenue Distribution

All Species Revenue and Groundfish Revenue



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More Information

- Murphy T, Kitts A, Demarest C, Walden J. 2015. 2013 Final report on the performance of the northeast multispecies (groundfish) fishery (May 2013 -April 2014). US Dept Commer, Northeast Fish Sci Cent Ref Doc. 15-02; 106 p. Available from: National Marine Fisheries Service, 166 Water Street, Woods Hole, MA 02543-1026, or online at http://www.nefsc.noaa.gov/publications/

- Visit SSB on the web at http://www.nefsc.noaa.gov/read/socialsci/

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More Information

For general questions about the Performance Measures Program, (including the GF Report) or economic and social data collection, please contact:

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More Information

For questions about ACE Leasing or Social Science Branch activities, please contact:

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