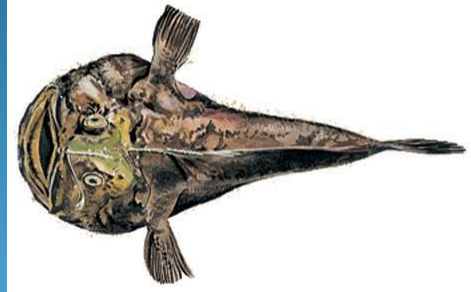


Monkfish Northern Fishery Management Area Daily Landings and Days-at-Sea Allocation Calculations for FY2011-FY2013



Jay Hermsen, Ph.D.
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Introduction

- ABC for the NMA – 7,592 mt
- Three alternative ACTs for FY2011-2013:
 - 73% of ABC - 5,550 mt
 - 80% - 6,074 mt
 - 86.5 % - 6,567 mt

Methods

- Data sources and matching
 - FY2009 dealer reports, permit data, FVTRs and VMS activity code declarations
- Assumptions
 - Incidental landings for cat E and state vessels and for LA monkfish vessels will remain the same for the prediction years as FY2009

Target monkfish target TALs, trip limits, DAS allocations, and landings (FY 2000 - FY 2010) for the NMA

Fishing Year	Target TAL (lbs)	Target TAL (mt)	Trip Limits*		DAS Restrictions**	Landings (lbs)	Percent of TAL
			Cat. A & C	Cat. B & D			
2000	12,507,000	5,673	n/a	n/a	40	26,145,000	209%
2001	12,507,000	5,673	n/a	n/a	40	32,745,000	262%
2002	25,737,000	11,674	n/a	n/a	40	31,947,000	124%
2003	39,039,000	17,708	n/a	n/a	40	31,207,000	80%
2004	37,408,000	16,968	n/a	n/a	40	25,905,000	69%
2005	29,012,839	13,160	n/a	n/a	40	21,016,671	72%
2006	17,057,168	7,737	n/a	n/a	40	14,720,268	86%
2007	11,023,100	5,000	1,250	470	31	11,133,346	101%
2008	11,023,100	5,000	1,250	470	31	7,777,910	71%
2009	11,023,100	5,000	1,250	470	31	7,372,259	67%
2010	11,023,100	5,000	1,250	470	31		

* Trip limits in pounds tail weight per DAS

** Excluding up to 10 DAS carryover, became 4 DAS carryover in FY2007

ACT options for FY2011-FY2013 for the Monkfish Northern Fishery Management Area with corresponding estimated discards, incidental landings and allocations by monkfish permit category.

Options as percent of ABC*	ACT (mt) (1)	Discards (mt) (2)	NMA TAL (mt) (1)-(2) =(3)	TAL (live lbs) ((3)* 2204.623 lb/t)	TAL (live lbs) incidental landings subtracted (4)	AC incidental landings (5)	BDH incidental landings (6)	AC allocation of TAL ((4)-(5)+(6))*70 %	BD allocation of TAL ((4)-(5)+(6))*30 %
73%	5,550	550	5,000	11,023,115	10,207,870	2,421,600	1,950,474	4,081,837	1,753,959
80%	6,074	602	5,472	12,063,697	11,248,452	2,421,600	1,950,474	4,809,671	2,066,707
86.5%	6,567	722	5,854	12,905,863	12,090,618	2,421,600	1,950,474	5,398,722	2,319,822

FY2007 and FY2009 DAS and trip limits and landings serve to 'bound' proposed DAS and trip limits for FY2011-2013. Red text are the upper and lower bounds of the DAS and/or trip limits.

ACT Option	BD trip limit – based on 2007	DAS – based on 2007	BD trip limit - based on 2009	DAS – based on 2009
73% of ABC	470	31	701	31
	470	31	470	46
	364	40	565	40
80% of ABC	510	31	761	31
	470	34	470	50
	440	40	625	40
86.5% of ABC	550	31	821	31
	470	36	470	54
	426	40	685	40

RESULTS

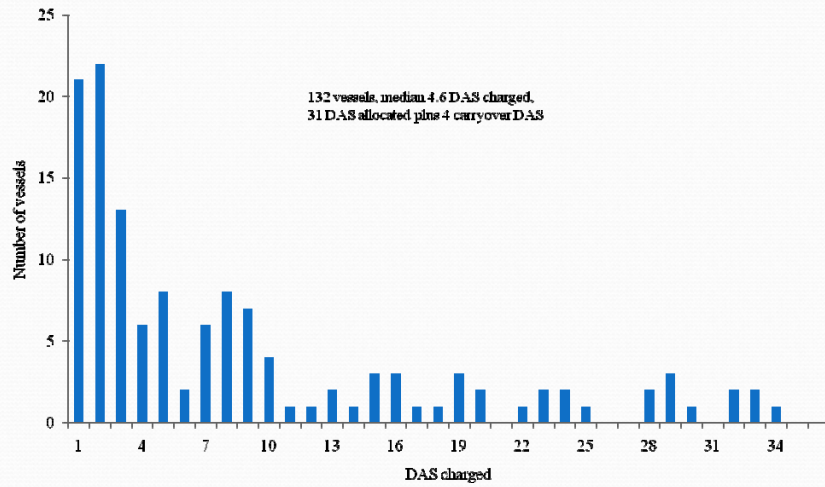
DAS and daily landing limits corresponding to three ACT options for the Monkfish Northern Fishery Management Area for FY2011-2013. Shaded grey cells and bolded text indicates the variable that has been solved.

Options as percent of ABC	AC daily landing limit	BD daily landing limit	DAS
73%	1250	586	31
	1250	470	39
	1250	465	40
80%	1250	636	31
	1250	470	42
	1250	510	40
86.5%	1250	686	31
	1250	470	45
	1250	556	40

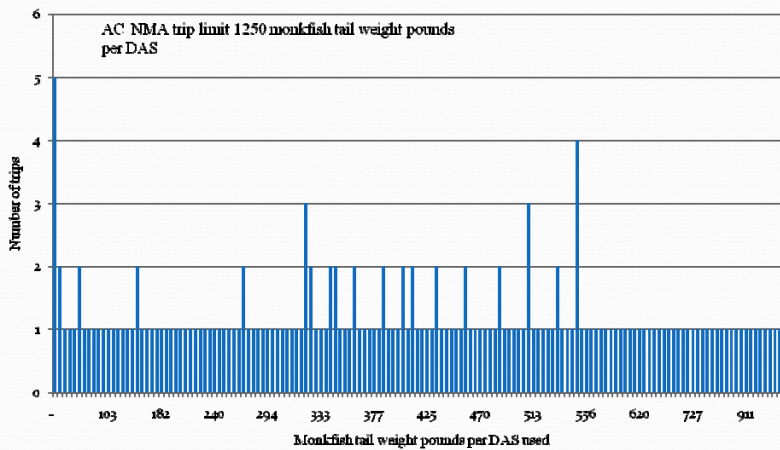
Discussion

- Trip limits and DAS allocations do not seem to be limiting on a fleet-wide basis in the NMA. Two possible reasons why the TAL has not been taken in FY2008 and 2009:
 - 1) multispecies restrictions
 - 2) deteriorating stock status

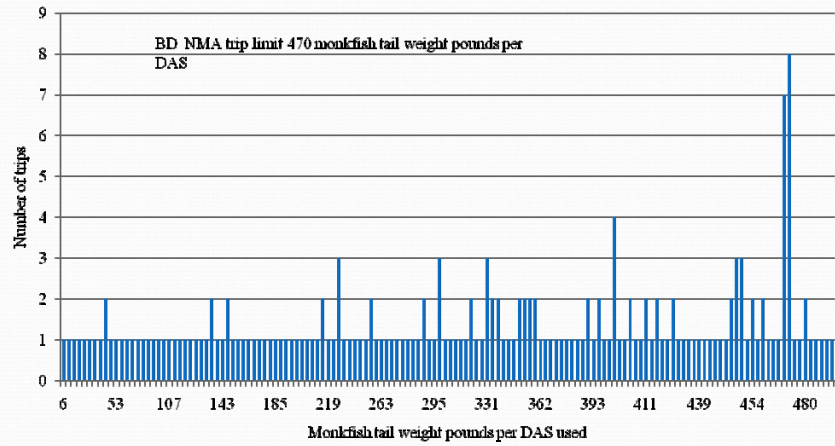
FY2009 NMA DAS usage frequency distribution



FY2009 permit category AC NMA trip landings frequency distribution



FY2009 permit category BD NMA trip landings frequency distribution



Discussion

- Concept of a 'tipping point' and potential avoidance

FY2009 permit category AC SMA trip landings frequency distribution

