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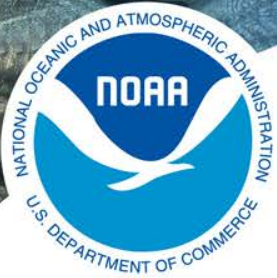
Greater Atlantic
Regional
Fisheries Office

Cumulative discard methodology review for butterfish discards in the longfin squid fishery

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October 31, 2016

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Introduction

- ❖ Monitoring catch and discards of butterfish in the directed longfin squid fishery since 2011
- ❖ Monitoring of trimester-based discard caps until trimester 3
- ❖ Discard rate is cumulative from beginning of the year
- ❖ Directed longfin squid fishery has not been closed due to butterfish discards

Butterfish Mortality Cap for the Directed Longfin Squid Fishery

Report run on: January 5, 2016
 For data reported through: December 31, 2015
Quota period: Trimester III
Quota period dates: 09/01/15 to 12/31/2015

Reporting Period	Estimated butterfish discard (mt)*	Cumulative estimated butterfish discard (mt)	Cumulative percent of quota (3,844 mt)
Trimester 1	165.1	165.1	4.3%
Trimester 2	183.9	349.0	9.1%
Trimester 3	167.0	516.0	13.4%

*For information on the methodology used to estimate butterfish discard click [here](#)

Notice

This report will now be run on a monthly basis unless increased activity is observed.

In Trimester III, the directed longfin squid fishery is closed if:

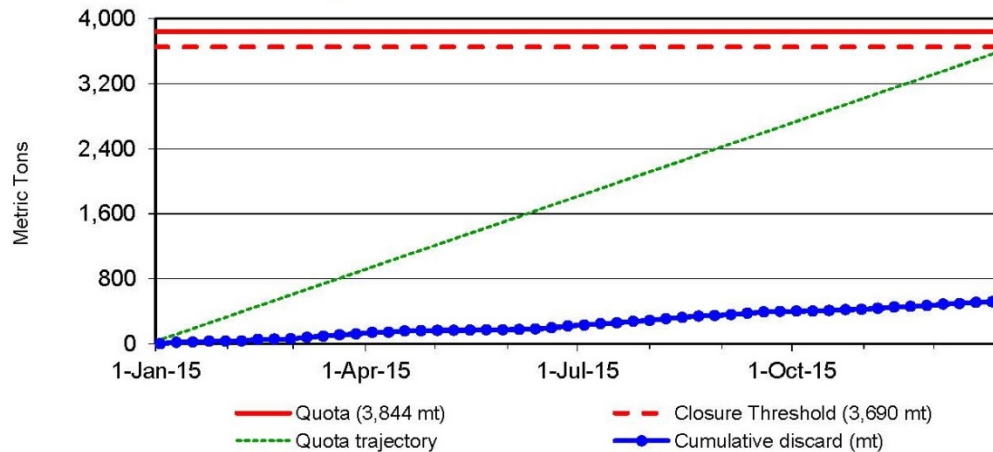
- Longfin squid landings are projected to reach 21,323 mt (47,009,170 lb) (95% of annual quota) -OR-
- The butterfish discard cap reaches 3,652 mt (8,051,282 lb) (95% of annual quota)

For information on the directed butterfish fishery click [here](#)



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These data are the best available to NOAA's National Marine Fisheries Service (NMFS) when this report was compiled. Data for this report are supplied to NMFS from dealers via Dealer Electronic Reporting, and the Northeast Fisheries Observer Program. Data may be preliminary. Discrepancies with previous reports are due to corrections made to the database.



Butterfish Mortality Cap for the Directed Longfin Squid Fishery

Report run on: October 20, 2016
 For data reported through: October 19, 2016
 Quota period: Trimester 3
 Quota period dates: 01/01/2016 to 12/31/2016

Reporting Period	Estimated butterfish discard (mt)	Cap quota (mt)	Percent of quota
Trimester 1	450	1,670	27.0
Trimester 2*	548	966	56.8
Trimester 3	202		
Annual Cumulative	1,201	3,690	32.5

*The Trimester II cap quota may be adjusted on an annual basis if an underage occurred in Trimester I.

Notice

The 2016 specification for longfin squid will be effective May 25, 2016.

In Trimester III, the directed longfin squid fishery is closed if:

Longfin squid landings are projected to reach 21,323 mt (47,010,822 lb) (95% of the annual quota)

-OR-

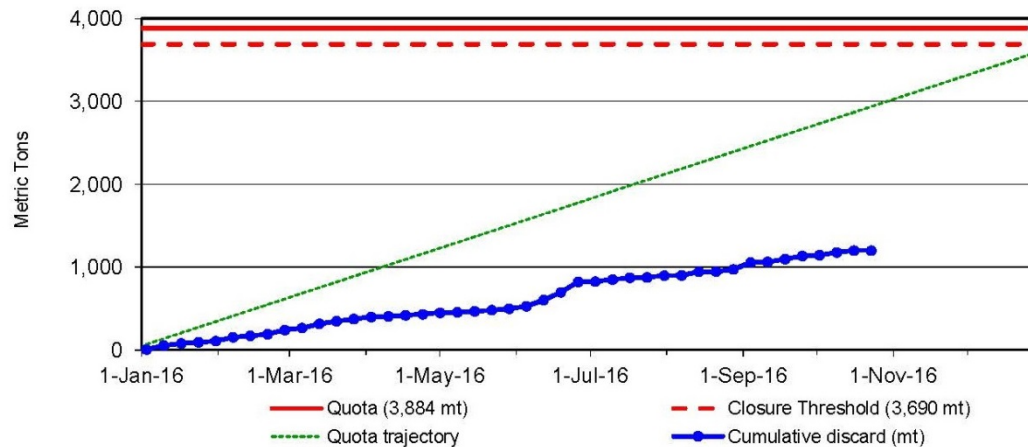
The butterfish discard cap reaches 3,690 mt (8,135,057 lb) (95% of the 3,884 mt annual quota)

For information on the directed butterfish fishery click [here](#)



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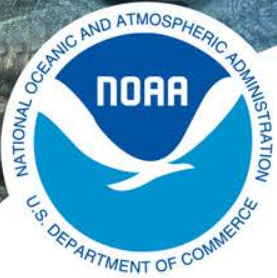




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Discard review approach

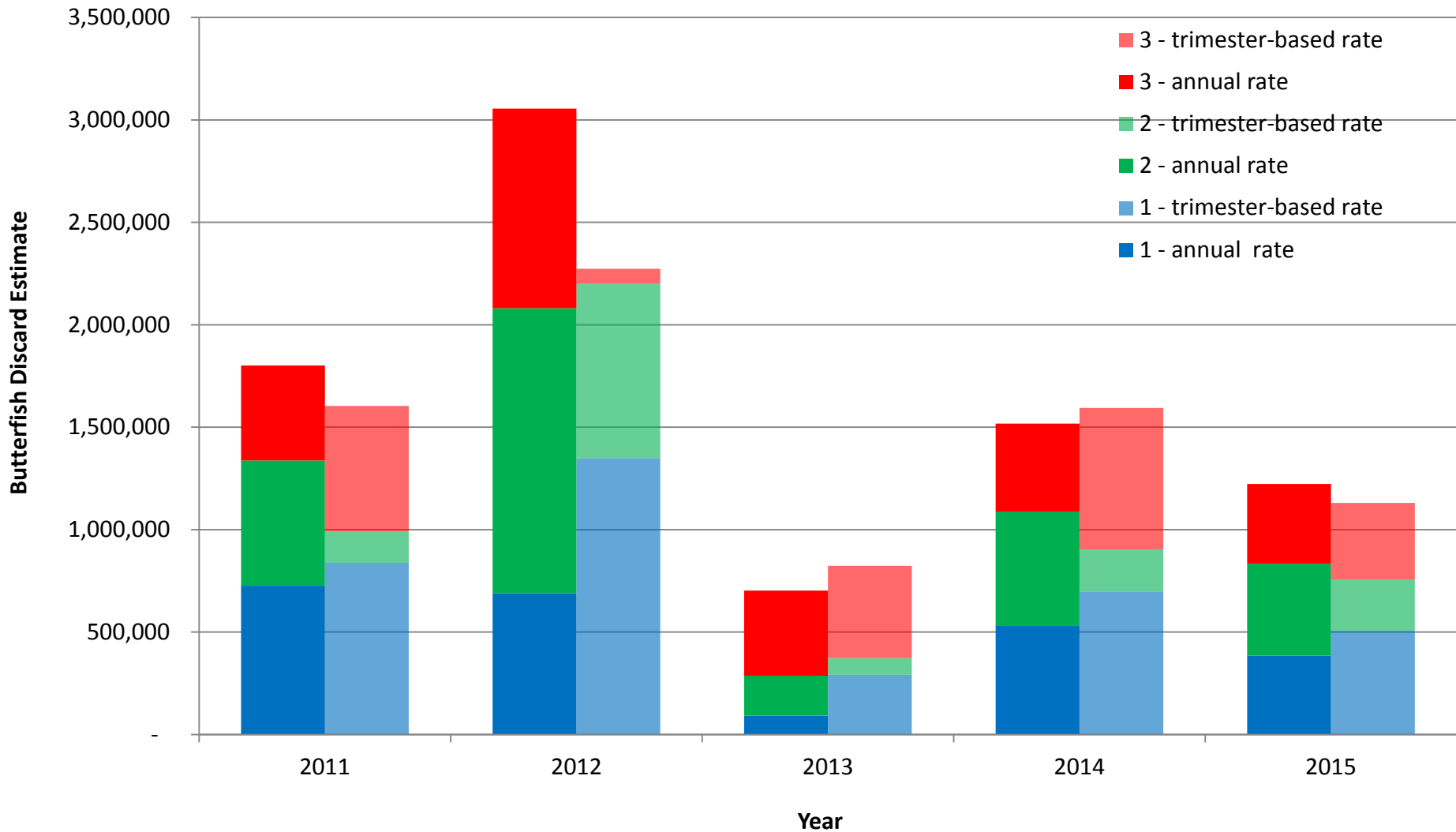
- Assess potential stratification schemes for feasibility
- Analyze variables with a view to improve discard estimate



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Potential stratification variables

- Annual (baseline)
- Temporal (trimester)
- Fishing gear
- Volume of landings
- Vessel length category
- Proportion of longfin squid kept



Summary data for butterfish discard estimates in the directed longfin squid fishery from 2011-2015

