

Economic Impacts of the
Inshore/Offshore GOM measures
In the Amendment 18 DEIS

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Inshore/Offshore Economic Impacts

“ GOM cod sub-ACLs

- . Determine inshore/offshore GOM cod catch in recent fishing years (FY10-13)
- . Results for four different vessel size classes in FY13
 - “ <30', 30-<50', 50-<75', 75'+

“ Declaration time periods for the commercial fishery

- . Determine inshore/offshore GOM groundfish catch and revenue in FY10-13
- . Results for same four vessel size classes in FY13

Inshore/Offshore Economic Impacts

” Calculations

- . DMIS trip and catch data for FY2010-2013
- . DMIS data linked to VTR coordinates by VTR serial number
- . Using VTR coordinates, differentiated inshore/offshore GOM cod and groundfish catch and revenue for each of the three options

Inshore/Offshore GOM Cod Results

Table 92 - Inshore and offshore GOM cod catch (lbs.) on all trips by fishing year

	2010			2011			2012			2013		
Option	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore
A	5,828,816	1,165,561	83.3%	6,804,634	1,083,022	86.3%	2,842,540	653,923	81.3%	641,762	433,863	59.7%
B	5,340,611	1,653,767	76.4%	6,421,279	1,466,376	81.4%	2,802,252	694,212	80.1%	628,461	447,165	58.4%
C	6,451,496	515,932	92.6%	7,358,700	504,507	93.6%	3,205,559	275,562	92.1%	798,549	265,141	75.1%

- “ From FY10-12, roughly 80% GOM cod caught inshore under Options A and B
 - “ Over 90% under Option C
- “ Large quota decrease in FY13, considerably lower percentage of catch inshore

Table 94 - Percentage of GOM inshore groundfish catch on all trips that is cod by fishing year

	2010	2011	2012	2013
Option A	59.2%	50.9%	39.9%	25.9%
Option B	61.5%	51.8%	40.3%	26.5%
Option C	49.7%	43.2%	29.5%	14.8%

Inshore/Offshore GOM Cod Results

Table 93 - Inshore and offshore GOM cod catch by vessel size on all trips in fishing year 2013

Option	<30'			30-<50'			50-<75'			>75'		
	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore
A	3,578	241	93.7%	443,679	145,011	75.4%	168,049	171,309	49.5%	26,456	117,302	18.4%
B	2,740	1,079	71.7%	431,554	157,136	73.3%	167,799	171,559	49.4%	26,368	117,390	18.3%
C	3,721	98	97.4%	490,710	92,798	84.1%	240,773	94,022	71.9%	63,345	78,223	44.7%

- “ In general, larger vessels tend to catch more of their GOM cod offshore
- “ With GOM cod quota increases, a greater percentage of GOM cod is being caught offshore
- “ Do GOM cod sub-ACLs help reverse this trend?

Evaluating GOM cod sub-ACLs

- “ Vessels fishing inshore and offshore facing an already small GOM ACL would be working with an even smaller number
 - . What should those inshore/offshore percentages be?
 - . Will any vessels be restricted from fishing inshore or offshore?
- “ Possible if inshore sub-ACL is set at a high level and declaration time periods force many vessels to declare offshore, inshore fleet may see slight benefits at expense of offshore fleet
- “ More likely, negative impacts
 - . More questions than answers
 - . Declaration time periods...

Inshore/Offshore GOM Groundfish Results

Table 98 - Inshore and offshore GOM groundfish revenue on all trips by fishing year

Option	2010			2011			2012			2013		
	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore	Inshore	Offshore	% Inshore
A	\$18,774,026	\$15,806,644	54.3%	\$23,814,772	\$18,528,440	56.2%	\$13,817,791	\$21,859,229	38.7%	\$4,691,105	\$19,127,755	19.7%
B	\$16,896,840	\$17,683,830	48.9%	\$22,285,142	\$20,058,070	52.6%	\$13,502,096	\$22,174,924	37.8%	\$4,510,629	\$19,308,231	18.9%
C	\$23,329,584	\$10,782,574	68.4%	\$28,853,808	\$12,835,683	69.2%	\$19,636,721	\$14,781,651	57.1%	\$8,929,219	\$14,015,829	38.9%

- “ Decrease in percentages, consistent with GOM cod trends
 - “ Large quota decrease for GOM cod in FY13
 - “ FY13 results by vessel size class...

Table 99 - Percentage of inshore and offshore GOM groundfish catch by vessel size on all trips in fishing year 2013

	<30'		30-<50'		50-<75'		>75'	
Option	Inshore	Offshore	Inshore	Offshore	Inshore	Offshore	Inshore	Offshore
A	0.3%	0.0%	66.6%	13.7%	29.6%	34.1%	3.4%	52.2%
B	0.2%	0.0%	66.1%	14.1%	30.6%	33.9%	3.1%	51.9%
C	0.2%	0.0%	44.5%	11.1%	39.6%	32.0%	15.7%	56.9%

Declaration Time Periods Considerations

- “ Annual or Trimester declaration time periods would see some 50'+ vessels declare inshore, particularly under Option C
 - “ Negative economic impacts under Alternatives 2 and 3
 - “ Possible slight benefits to inshore fleet, but roundabout and uncertain
- “ Trip declaration would afford more flexibility to some vessels; inshore vessels would likely be worse off than annual or trimester declaration
 - “ Slightly negative economic impacts under Alternative 4
 - “ Unlikely to benefit inshore fleet