

**Area 3A GHL Analysis  
SUPPLEMENT**

*September 13, 2007*

In September 2007, ADF&G Sport Fish Division released a final estimate for the 2006 Area 3A charter harvest of 3.664 Mlb. The final estimate is approximately 284,000 lb lower than the 3.948 Mlb projection of 2006 harvest ADF&G issues in October 2006. ADF&G's initial projection of 2006 harvest was equal to 108.1 percent of the GHL; while the final 2006 estimate puts total charter harvest at 100.37 percent of the GHL. The Draft EA/RIR/IRFA was completed using the projected 2006 harvest estimate. Table 1 updates the analytical results of the September 2006 Area 3A EA/RIR/IRFA using the final estimate of 2006 Area 3A charter harvest. The table shows the effect of the analyzed options on 2006 harvest in conjunction with the current (2007) status quo, which includes a ban on skipper and crew harvest. While overall harvest was 100.37 percent of the GHL, the analysis assumes that skipper and crew fully report their harvest during charter fishing to the Statewide Harvest Survey and estimates that client harvest was approximately 89.9 percent of the GHL in 2006.

**Table 1. Estimated Effect of Analyzed Management Options in Conjunction with the 2007 Status Quo<sup>1</sup>**

Management Option- (In Conjunction with the Status Quo)	Sub-Option	Estimated 2006 Harvest with Option (Mlb)		Post-Option 2006 Harvest as a Portion of the GHL (%)	
		Less Effective	More Effective	Less Effective	More Effective
Option 4. One Fish Bag Limit	Full Season	1.739	1.218	47.7%	33.4%
Option 5. Minimum Size on the Second Fish	50"	1.927	1.696	52.8%	46.5%
Option 5. Minimum Size on the Second Fish	45"	2.091	1.843	57.3%	50.5%
Option 6. Maximum Size on the Second Fish	32"	2.615	2.386	71.6%	65.4%
Option 4. One Fish Bag Limit	July	2.702	2.505	74.0%	68.6%
Option 6. Maximum Size on the Second Fish	34"	2.726	2.510	74.7%	68.8%
Option 6. Maximum Size on the Second Fish	36"	2.838	2.612	77.8%	71.6%
Option 4. One Fish Bag Limit	June	2.880	2.743	78.9%	75.1%
Option 4. One Fish Bag Limit	August	2.962	2.853	81.2%	78.2%
Option 3. Annual Limit	4 Fish	3.043	3.043	83.4%	83.4%
Option 1. One Trip per Day	None	3.102	3.077	85.0%	84.3%
Option 4. One Fish Bag Limit	May	3.124	3.069	85.6%	84.1%
Option 3. Annual Limit	5 Fish	3.131	3.131	85.8%	85.8%
Option 3. Annual Limit	6 Fish	3.205	3.205	87.8%	87.8%
Option 4. One Fish Bag Limit	September	3.227	3.180	88.4%	87.1%
<i>Option 2. No Harvest by Skipper &amp; Crew (Status Quo)</i>	<i>None</i>	<i>3.283</i>	<i>3.283</i>	<i>89.9%</i>	<i>89.9%</i>
Option 7. Reverse Slot Limit	32"/45"	Ineffective		Ineffective	
Option 7. Reverse Slot Limit	32"/50"	Ineffective		Ineffective	

<sup>1</sup> For some of the options, the analysis calculates a range as opposed to a point estimate. The analysis includes a range where the baseline data provided by ADF&G are ranged, where there are *a priori* expectations of a reduction in demand, or where anglers would weaken the effect of the alternative by simple behavioral changes. Specifically, Option 4 includes a 30 percent reduction in demand during the period each sub-option is in effect, Option 5 includes a 10 percent reduction in demand, Option 6 assumes that anglers are able to high-grade their catch by one size class (two inches), and the Option 1 is based on ranged data from ADF&G.

For illustrative purposes, Table 2 shows the estimated effect of each alternative under the 2006 Status Quo, which did not include the ADF&G Emergency Order than banned skipper and crew harvest. ADF&G has not indicated that they will repeal the emergency order. This table is displayed solely to show the estimated stand-alone effect of each option on 2006 harvest levels.

**Table 2. Estimated Effect of Analyzed Management Options under the 2006 Status Quo (No Ban on Skipper and Crew Harvest)**

Management Option- (In Conjunction with the Status Quo)	Sub-Option	Estimated 2006 Harvest with Option (Mlb)		Post-Option 2006 Harvest as a Portion of the GHL (%)	
		Less Effective	More Effective	Less Effective	More Effective
Option 4. One Fish Bag Limit	Full Season	2.117	1.596	58.0%	43.7%
Option 5. Minimum Size on the Second Fish	50"	2.310	2.079	63.3%	57.0%
Option 5. Minimum Size on the Second Fish	45"	2.473	2.226	67.8%	61.0%
Option 6. Maximum Size on the Second Fish	32"	2.996	2.768	82.1%	75.8%
Option 4. One Fish Bag Limit	July	3.079	2.882	84.4%	79.0%
Option 3. Annual Limit	4 Fish	3.104	3.104	85.0%	85.0%
Option 6. Maximum Size on the Second Fish	34"	3.108	2.891	85.1%	79.2%
Option 3. Annual Limit	5 Fish	3.193	3.193	87.5%	87.5%
Option 6. Maximum Size on the Second Fish	36"	3.220	2.993	88.2%	82.0%
Option 4. One Fish Bag Limit	June	3.257	3.120	89.2%	85.5%
Option 3. Annual Limit	6 Fish	3.270	3.270	89.6%	89.6%
<i>Option 2. No Harvest by Skipper &amp; Crew (Status Quo)</i>	<i>None</i>	<i>3.283</i>	<i>3.283</i>	<i>89.9%</i>	<i>89.9%</i>
Option 4. One Fish Bag Limit	August	3.340	3.231	91.5%	88.5%
Option 1. One Trip per Day	None	3.462	3.434	94.9%	94.1%
Option 4. One Fish Bag Limit	May	3.501	3.446	95.9%	94.4%
Option 4. One Fish Bag Limit	September	3.605	3.557	98.8%	97.5%
Option 7. Reverse Slot Limit	32"/45"	Ineffective		Ineffective	
Option 7. Reverse Slot Limit	32"/50"	Ineffective		Ineffective	