



Regional Break-out Session Preview

Step One: Select three high priority species/stocks

Step Two: For each species selected discuss:

- 1. Positive/negative impacts of timeliness alternatives presented in AM sessions**
- 2. Trade-offs between timeliness and estimate precision**
- 3. Forecasting options and what data timeliness/quality, improvements are needed to develop/improve on models**
- 4. Management solutions/options and consistency between management and data availability**
- 5. What other alternatives (not covered in Qs 1-4) might be needed to address the timeliness issue for this species**



Data Timeliness Alternatives

	Lag Time		
Estimation Frequency	45 Days	38 Days	31 Days
Bi-Monthly	Status Quo Alt. 0	Alt. 1	Alt. 2
Monthly	Alt. 3	Alt. 4	Alt. 5

Date Preliminary Catch Estimates Available

Alternative	Status Quo	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5
Wave length	2 months	2 months	2 months	1 month	1 month	1 month
Lag time	45 days	38 days	31 days	45 days	38 days	31 days
Month of Landings						
January	April 15	April 8	April 1	March 15	March 8	March 1
February	April 15	April 8	April 1	April 15	April 8	April 1
March	June 15	June 8	June 1	May 15	May 8	May 1
April	June 15	June 8	June 1	June 15	June 8	June 1
May	Aug 15	Aug 8	Aug 1	Jul 15	Jul 8	Jul 1
June	Aug 15	Aug 8	Aug 1	Aug 15	Aug 8	Aug 1
July	Oct 15	Oct 8	Oct 1	Sep 15	Sep 8	Sep 1
August	Oct 15	Oct 8	Oct 1	Oct 15	Oct 8	Oct 1
Sept.	Dec 15	Dec 8	Dec 1	Nov 15	Nov 8	Nov 1
Oct.	Dec 15	Dec 8	Dec 1	Dec 15	Dec 8	Dec 1
Nov.	Feb 15	Feb 8	Feb 1	Jan 15	Jan 8	Jan 1
Dec.	Feb 15	Feb 8	Feb 1	Feb 15	Feb 8	Feb 1

Trade-offs to Consider: Lag Time

Option	Trade-offs	Discussion Points
<p>Reduce lag time from 45 days after wave to <u>38 days</u> after wave</p>	<p>Timeliness </p> <p>Cost \$</p>	<ul style="list-style-type: none"> ➤ Either reduction in estimate review time <u>or</u> raw effort data processing and QA/QC time <u>or</u> some combination adding to 7 days. ➤ More resources required to maintain same data quality. ➤ Opportunity cost: higher priority will need to be placed on estimate review and/or raw data review at the expense of other work
<p>Reduce lag time from 45 days after wave to <u>31 days</u> after wave</p>	<p>Timeliness </p> <p>Cost \$</p>	<ul style="list-style-type: none"> ➤ Reduction in estimate review time <u>and</u> raw effort data processing and QA/QC time. ➤ More resources required ➤ Opportunity cost
<p>Reduce lag time from 45 days after wave to <u>24 days</u> after wave</p>	<p>Timeliness </p> <p>Cost \$</p> <p>Accuracy </p>	<ul style="list-style-type: none"> ➤ More resources required /Opportunity cost ➤ Reducing lag further may start to negatively impact data accuracy regardless of additional resources invested.

Trade-offs to Consider: Estimation Frequency

Proposed Change	Trade-off	Discussion Points
Bi-monthly to monthly estimates with <u>fixed</u> sample sizes	Timeliness 	➤ Odd month (i.e. Jan, Mar, May...) estimates available 1 month earlier
	Precision 	➤ Precision of monthly estimates will be less than bi-monthly ; Precision on cumulative estimates will also likely decrease
	Accuracy ? 	➤ Recall bias for effort survey may be reduced (1 month vs. 2 month recall)
Bi-monthly to monthly estimates with <u>increased</u> sample sizes	Timeliness 	➤ Odd month (i.e. Jan, Mar, May...) estimates available 1 month earlier
	Cost \$\$\$	➤ Increased sample sizes to offset decrease in precision associated with monthly estimates: very costly ➤ May prioritize which cells to increase
	Accuracy ? 	➤ Recall bias for effort survey may be reduced (1 month vs. 2 month recall)



Other Options for Addressing Timeliness Needs

- **Forecasting / modeling estimates**
- **Management solutions**
- **Specialized surveys**
- **Other**



Species Fact Sheets

Purpose: Graphical presentation of recreational survey data to aid in species specific discussion of timeliness during regional break-out session

- By Region – Northeast, South Atlantic, Gulf of Mexico, Pacific Coast
- Selection of Species
- Data Sources



Basic Information

- Current Status: Overfished / Overfishing
- States Included
- 2010 Recreational ACL or Harvest Limit
- Percent of Overall Limit to Recreational Sector
- 2010 Season

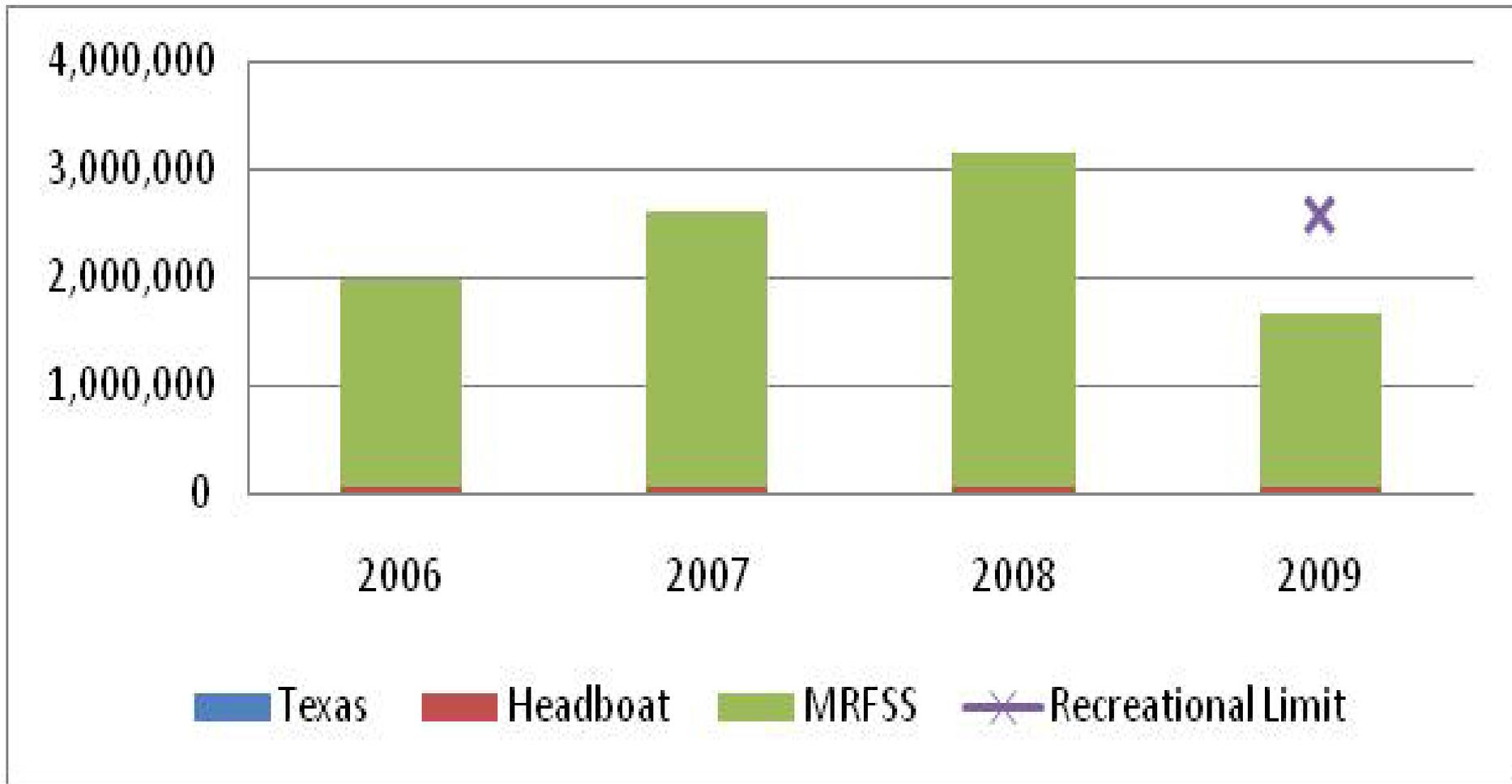


Figure 1. Gag Grouper (GOM) Landings Weight (lbs) 2006-2009 and 2009 Recreational Catch Limit.

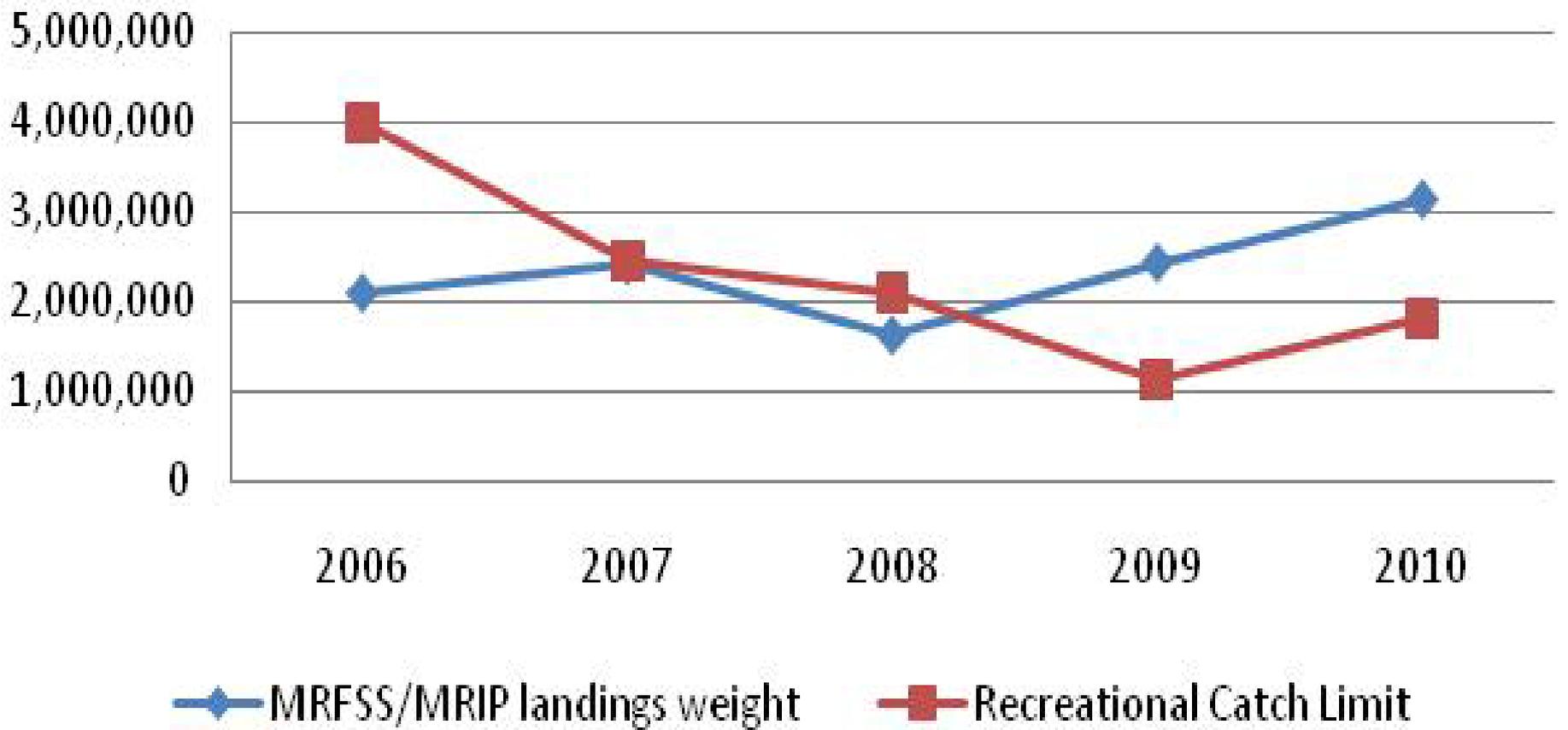


Figure 1. Black Sea Bass (Northeast) MRFSS/MRIP Landings Weight (lbs) and Recreational Catch Limits 2006-2010.

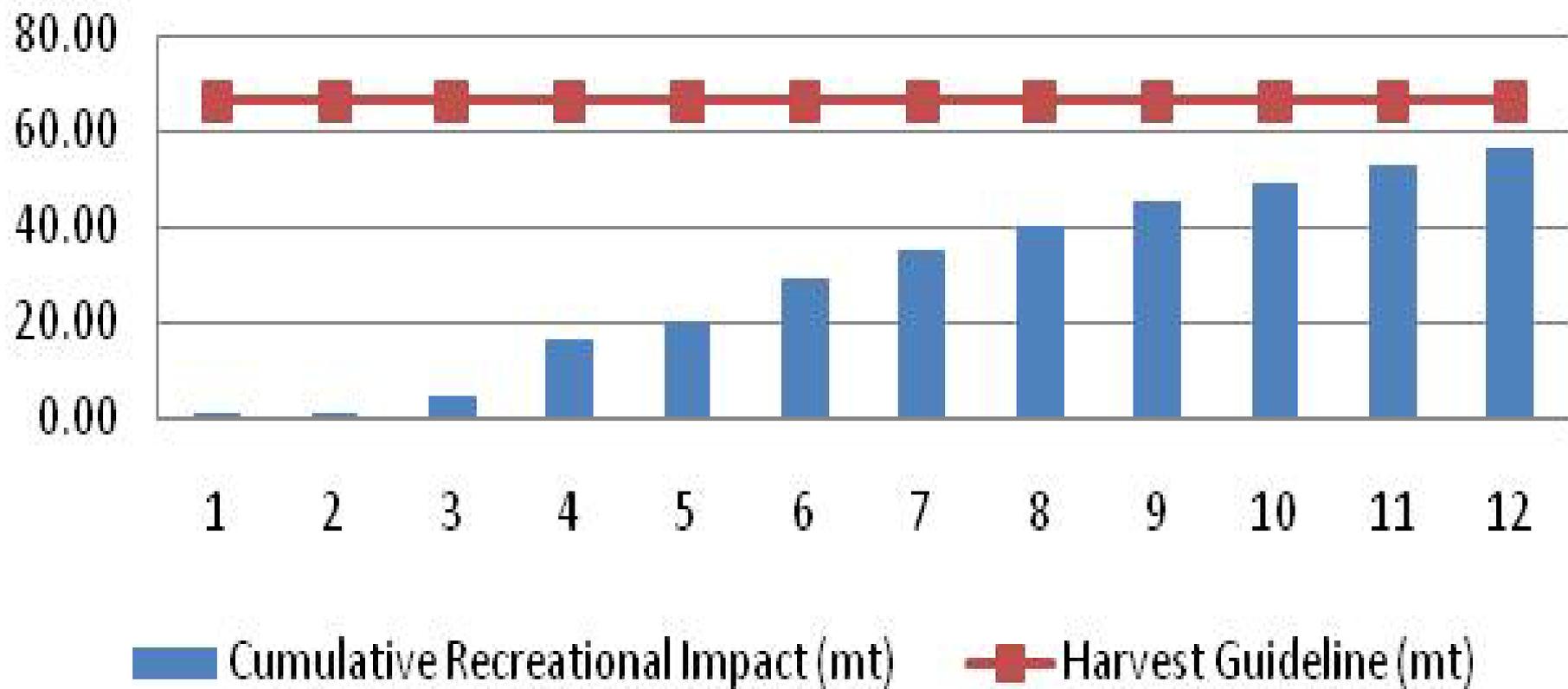


Figure 1. Bocaccio California 2010 Recreational Impact (metric tons) Cumulative by Month and 2010 Harvest Guideline.

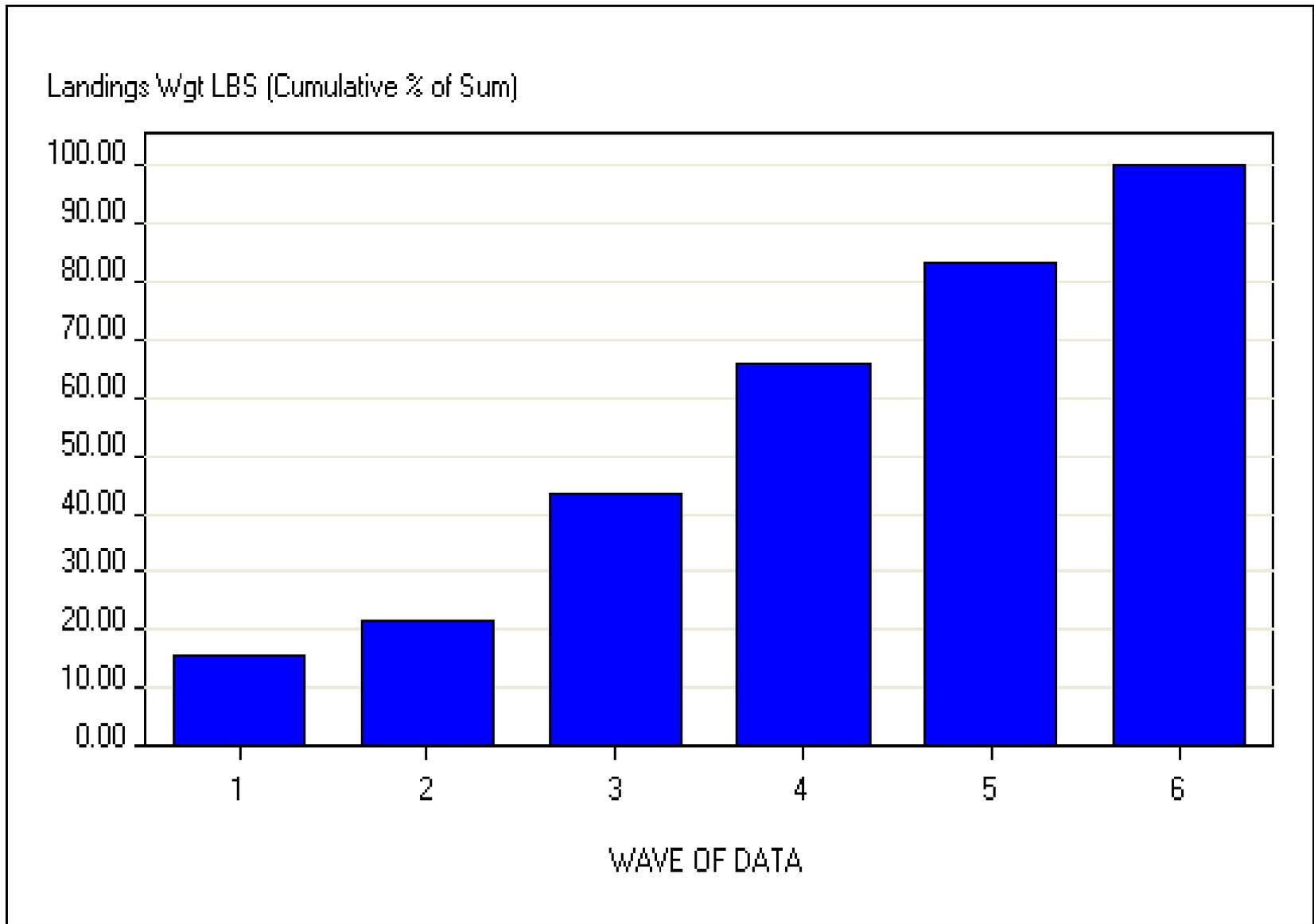


Figure 2. Cumulative Percent of Spanish Mackerel (Atlantic) MRFS/MRIP Landings Weight by 2-month Wave, 2006-2010 Combined.

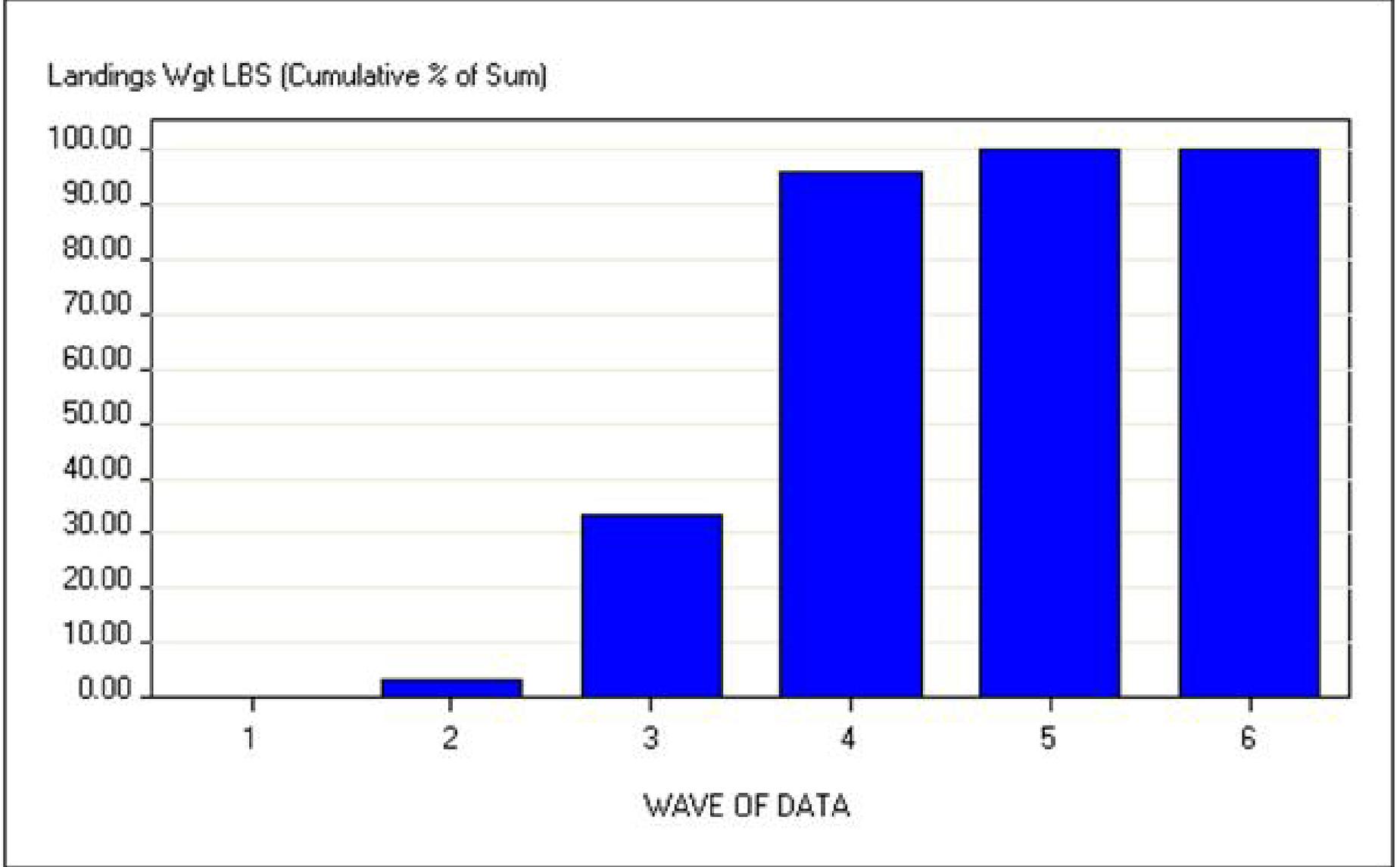


Figure 2. Cumulative Percent of Summer Flounder MRFSS/MRIP Landings Weight by 2-month Wave, 2006-2010 Combined.

PSE Weight

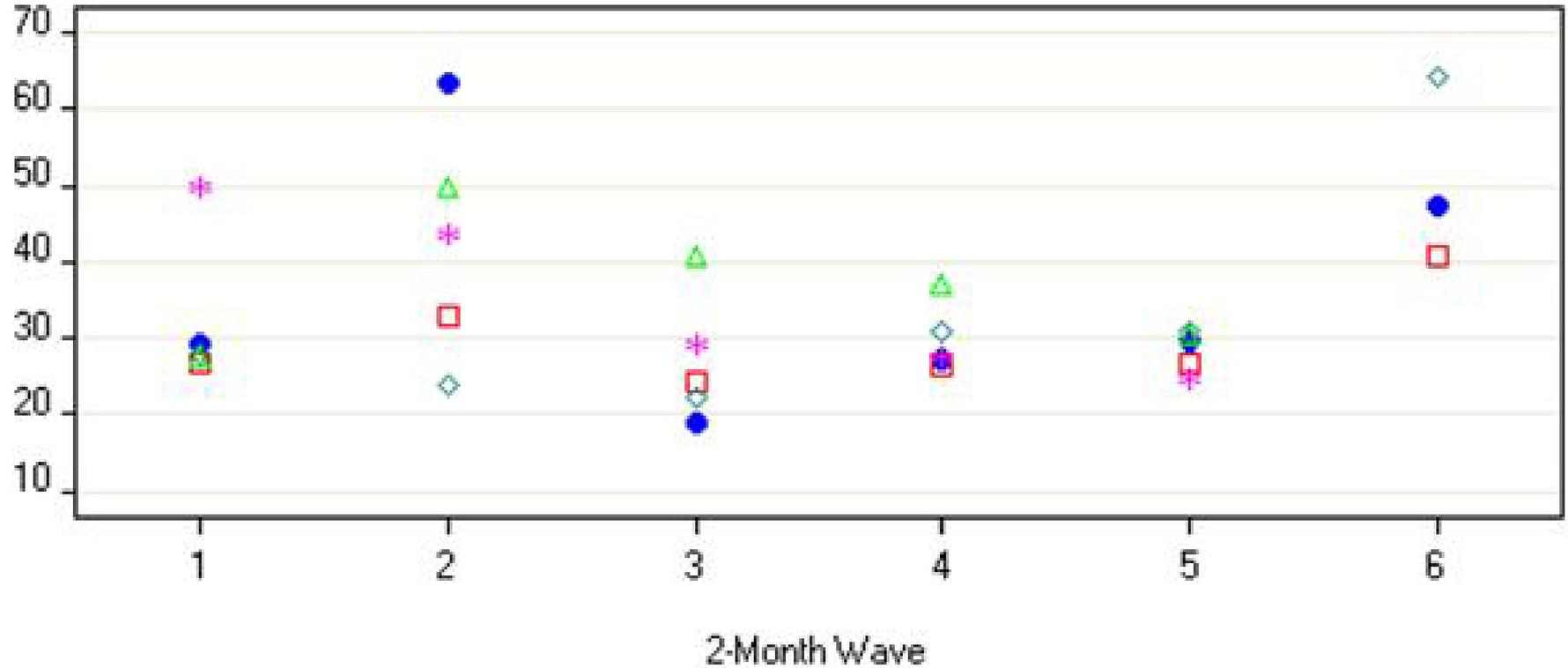


Figure 3. Vermillion Snapper MRFSS/MRIP Landings Whole Weight PSE's by Wave 2006-2010.

PSE Weight

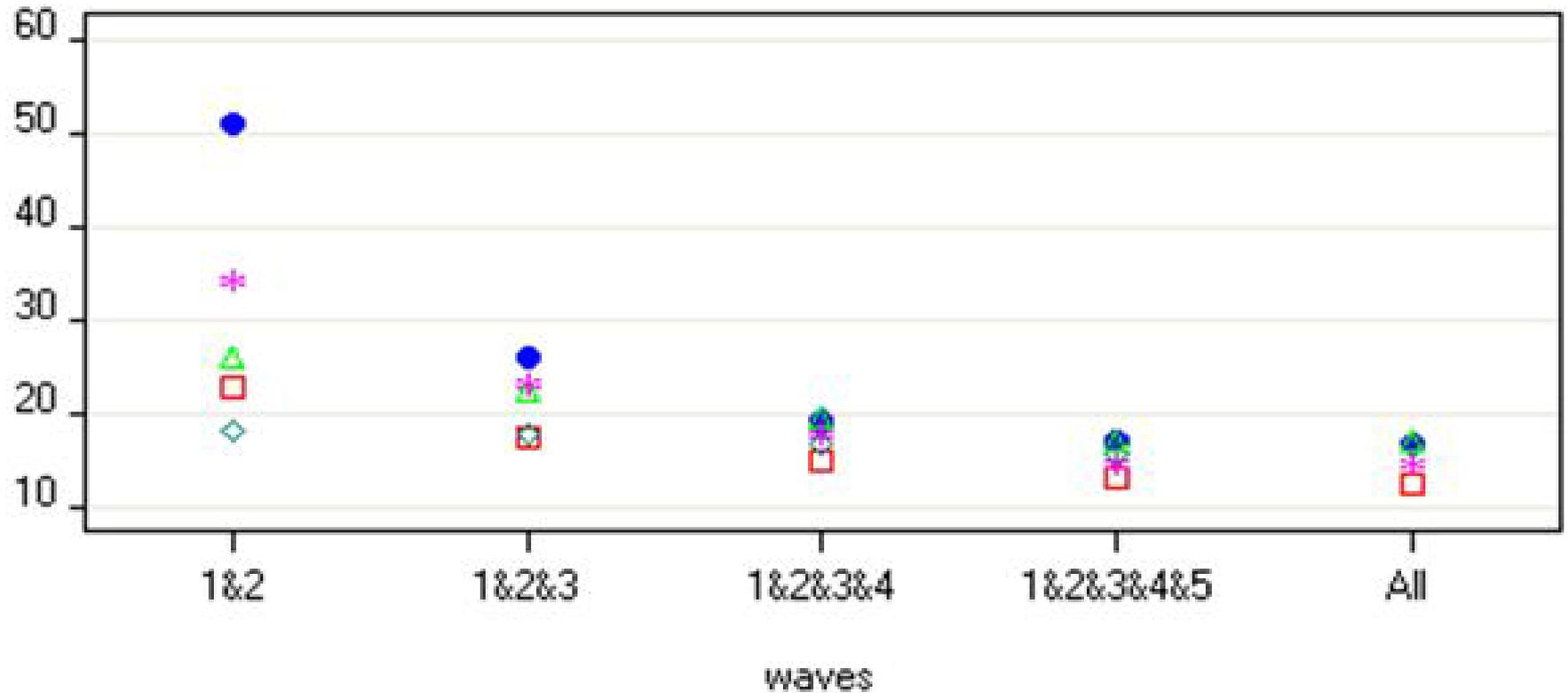
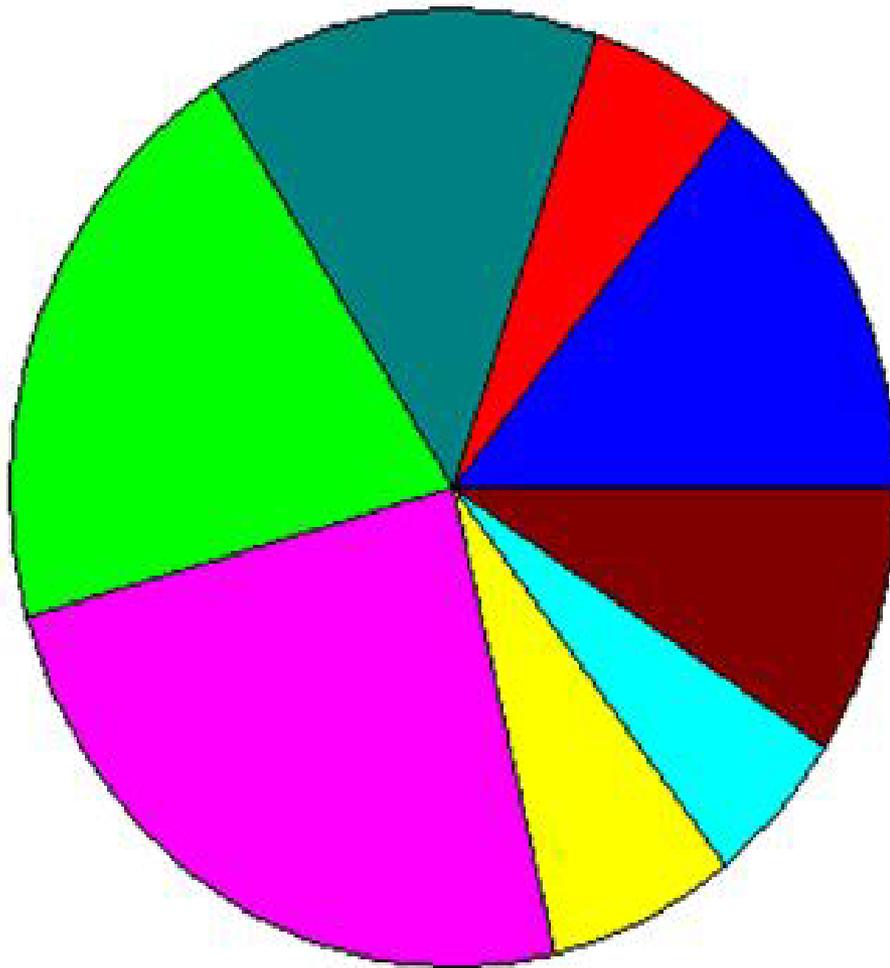


Figure 4. Vermillion Snapper MRFSS/MRIP Landings Whole Weight PSE's Cumulative by Wave for 2006-2010.

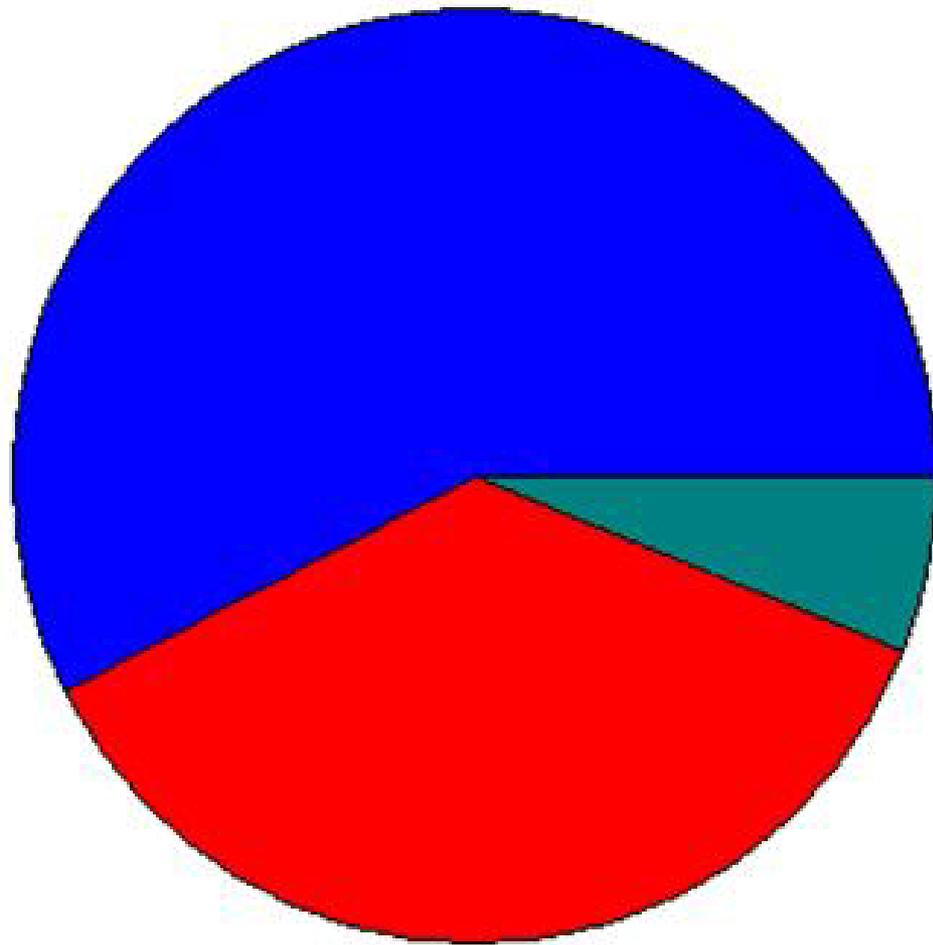
Landings Wgt LBS (Percent of Sum)



STATE OF INTERCEPT	
CT	14.05%
FL	5.63%
MA	14.35%
NJ	20.43%
NY	24.26%
NC	6.83%
RI	5.35%
Other%	9.09%

Figure 5. Distribution of Bluefish MRFSS/MRIP Landings Weight by State 2006-2010 Combined.

Landings Wgt LBS (Percent of Sum)



STATE OF INTERCEPT		
FL		57.64%
NC		36.22%
Other%		6.14

Figure 5. Distribution of Gag Grouper (S. Atl.) MRFSS/MRIP Landings Whole Weight by State 2006-2010 Combined

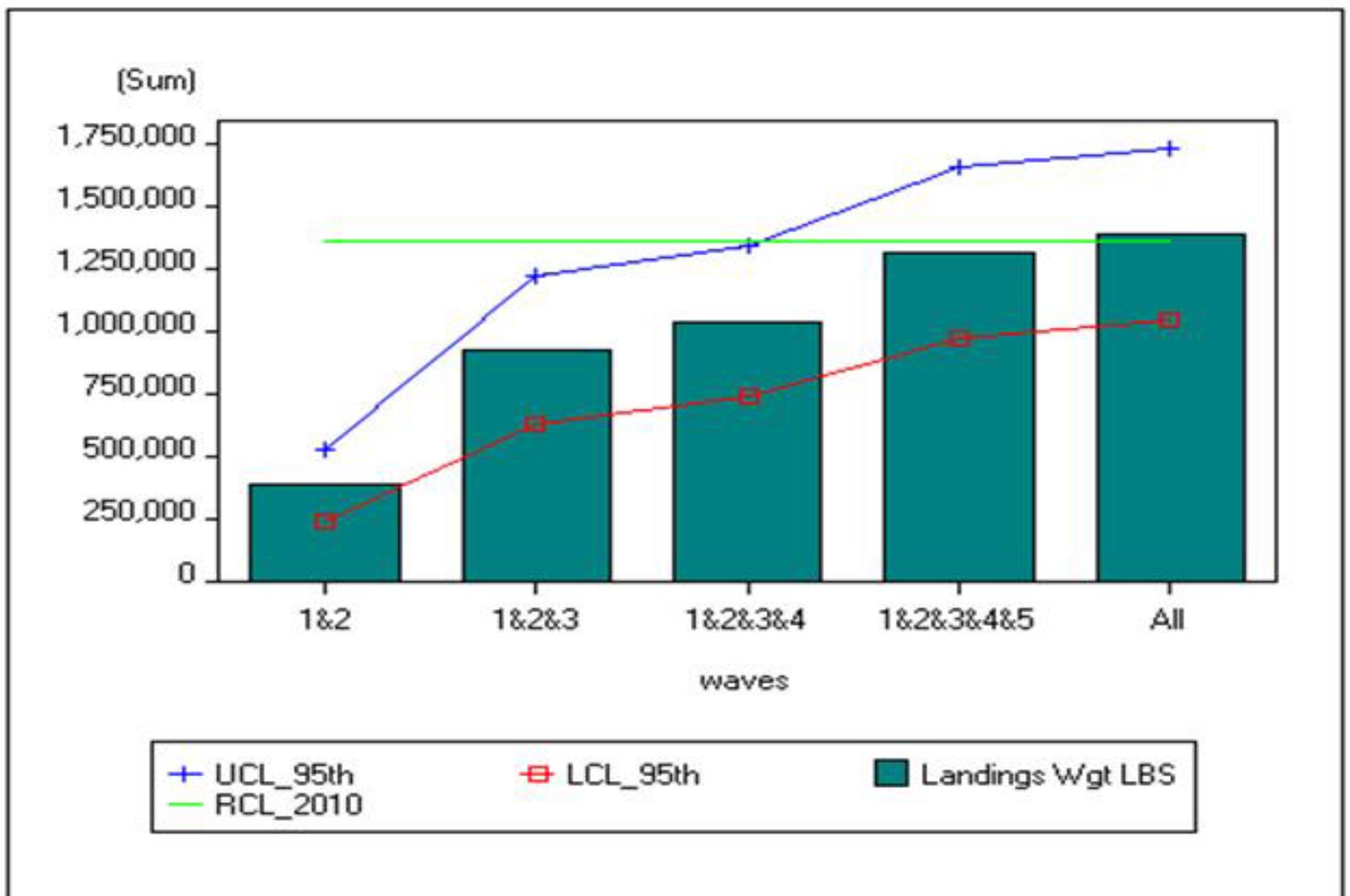


Figure 6. Greater Amberjack 2010 Recreational Landings Weight and 95th Percentile Upper and Lower Confidence Intervals (UCL_95th, LCL_95th) Cumulative by Wave, and 2010 Rec. Catch Limit

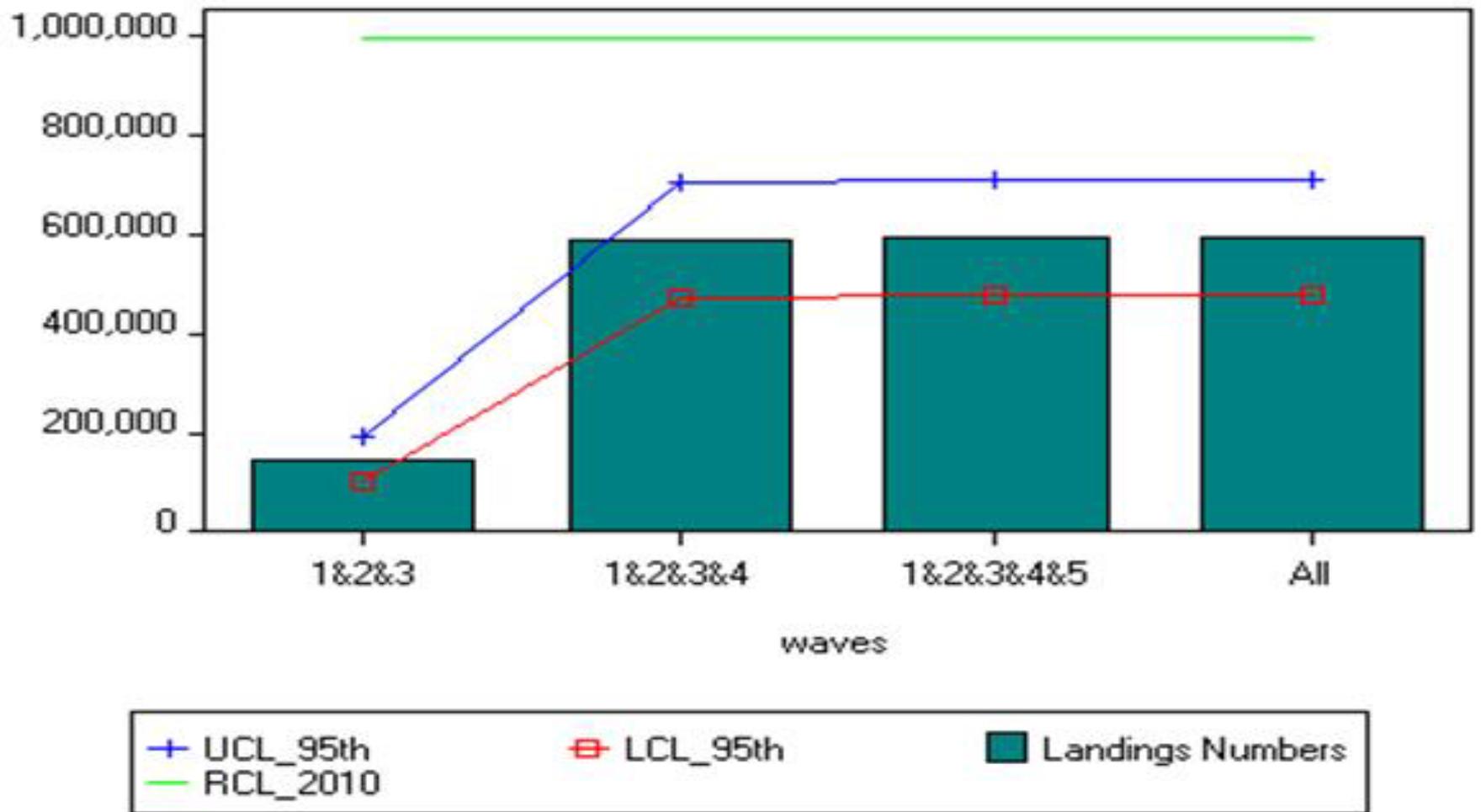


Figure 16. New Jersey 2010 Summer Flounder Recreational Landings (number of fish) and 95th percentile Upper and Lower Confidence Intervals (UCL_95th , LCL_95th) Cumulative by Wave, and 2010 Harvest Target.

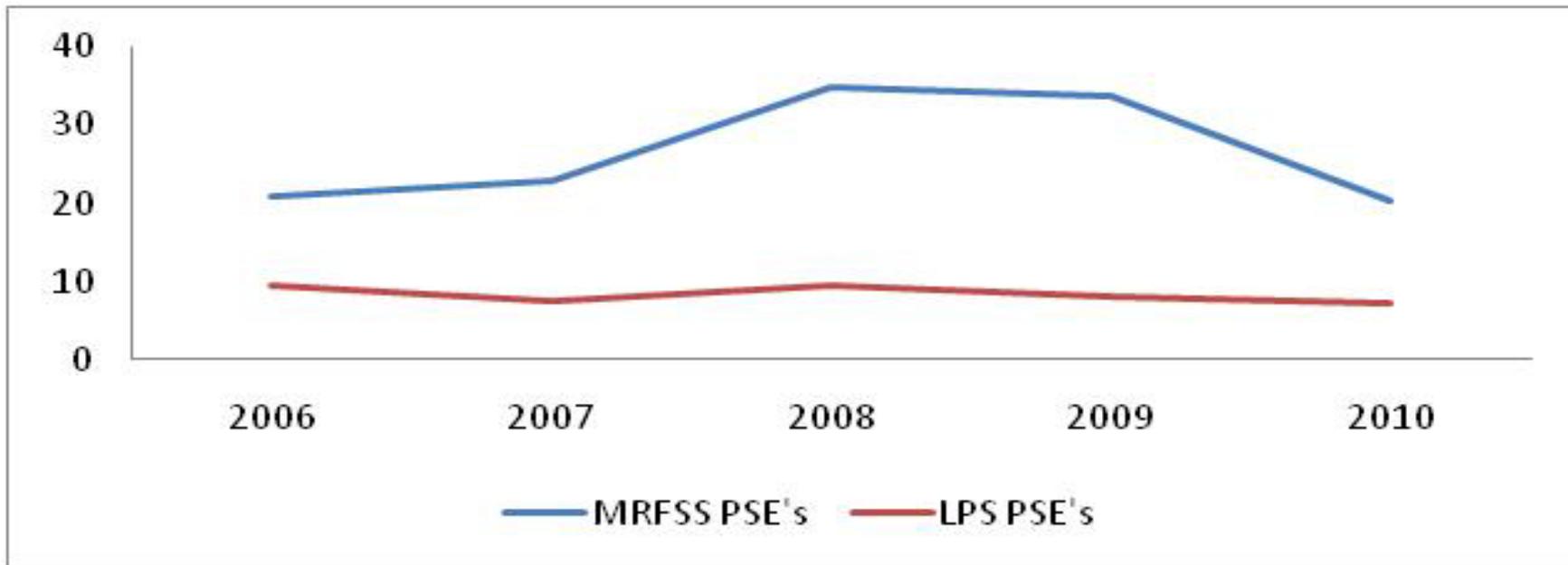


Figure 7. Comparison of MRFSS/MRIP and Large Pelagic Survey Dolphin Landings Numbers PSEs for Maine through Virginia, 2006-2010.