

Science, Service, Stewardship



Commercial Landings Monitoring System

Steve Turner

December 2, 2013

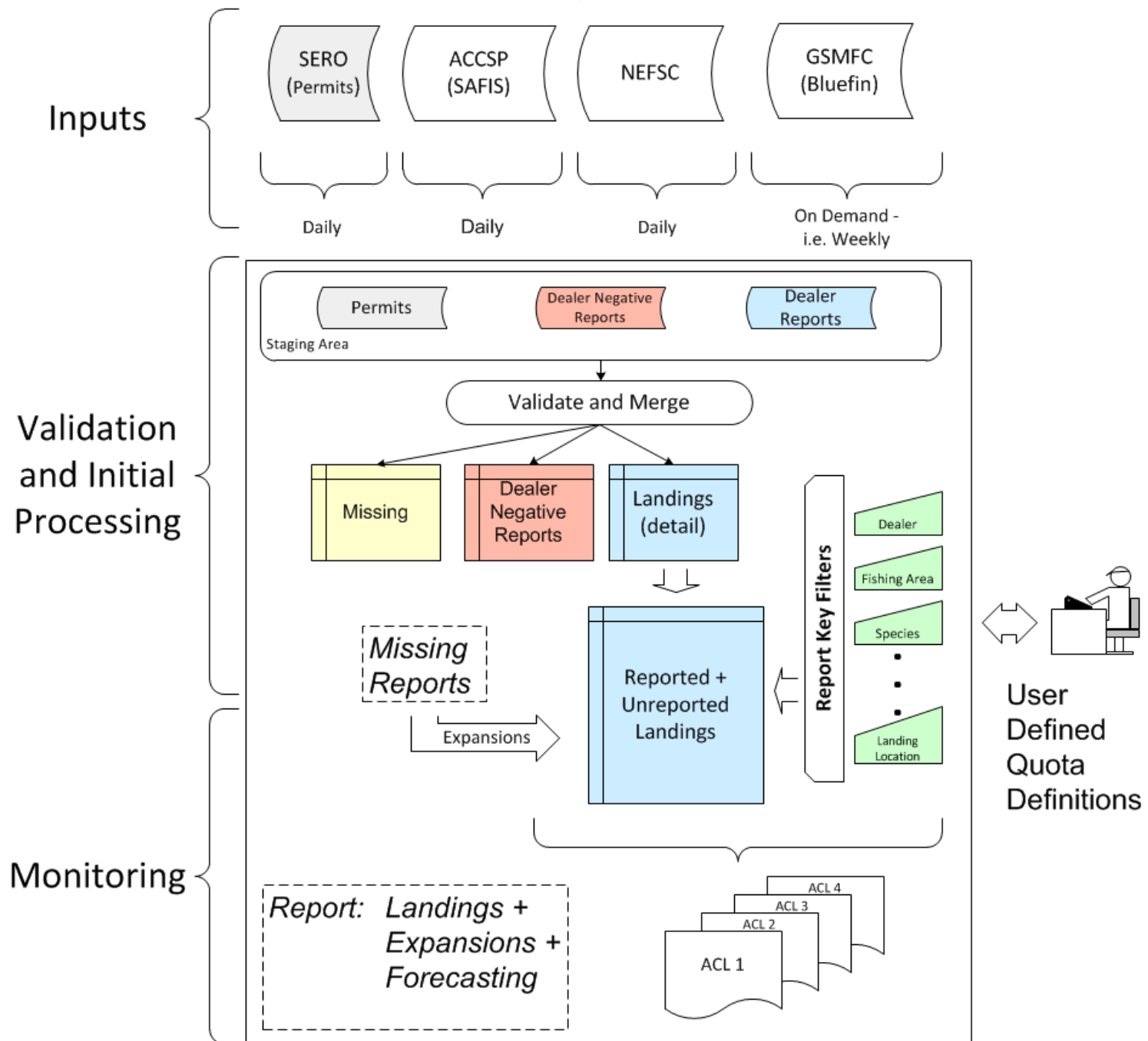
**NOAA
FISHERIES
SERVICE**



Commercial Landings Monitoring system

- General overview of SEFSC's ACL monitoring system
- Live demonstration of system
- Successes
- Challenges
- Planned improvements

Dealer Report Data





Nightly Job Data Processing

Nightly Job Process

- Unattended/Automated process

- With logging and email reporting to data managers

- Landings report updates automatically incorporated

- Aggregate by ACL

- Expansions calculated for missing landings reports

- Report landings, expansions, and forecasts



Expansions & Forecasts

Expansions address non-reporting (should have reported)

Forecasts predict future landings

Landings, Expansion, and Forecast by Dealer

As landings are reported expansions replaced with actuals

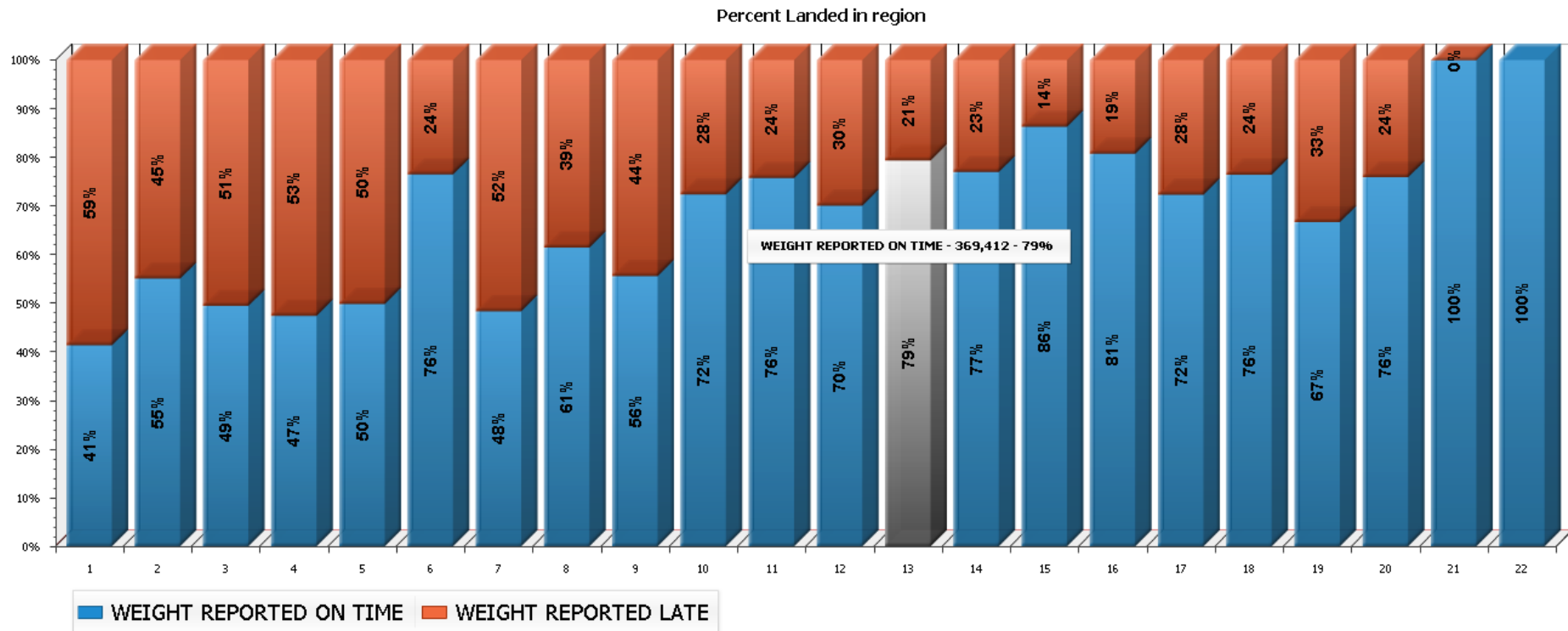


If dealers report on time, expansions are not needed



On time and late reporting All SAFMC managed species

Late Reporting in Region





Expansion and Forecast Methods

Prior Year Same Day

Prior Year Same Day Ratio

Fishery Big Month

Average Landings per Day (prior year)

Average Landings per Day (current year)

Quota Preferred Expansion



Begin live demonstration

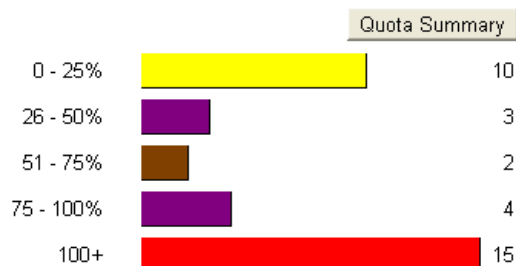
The following slides are provided in case there are problems with the live demonstration



Landings Report

Reporting Dealers **491**
Common **369**
Reporting Dealers Last Season **1005**
Average report time **22**

Quota Percentage



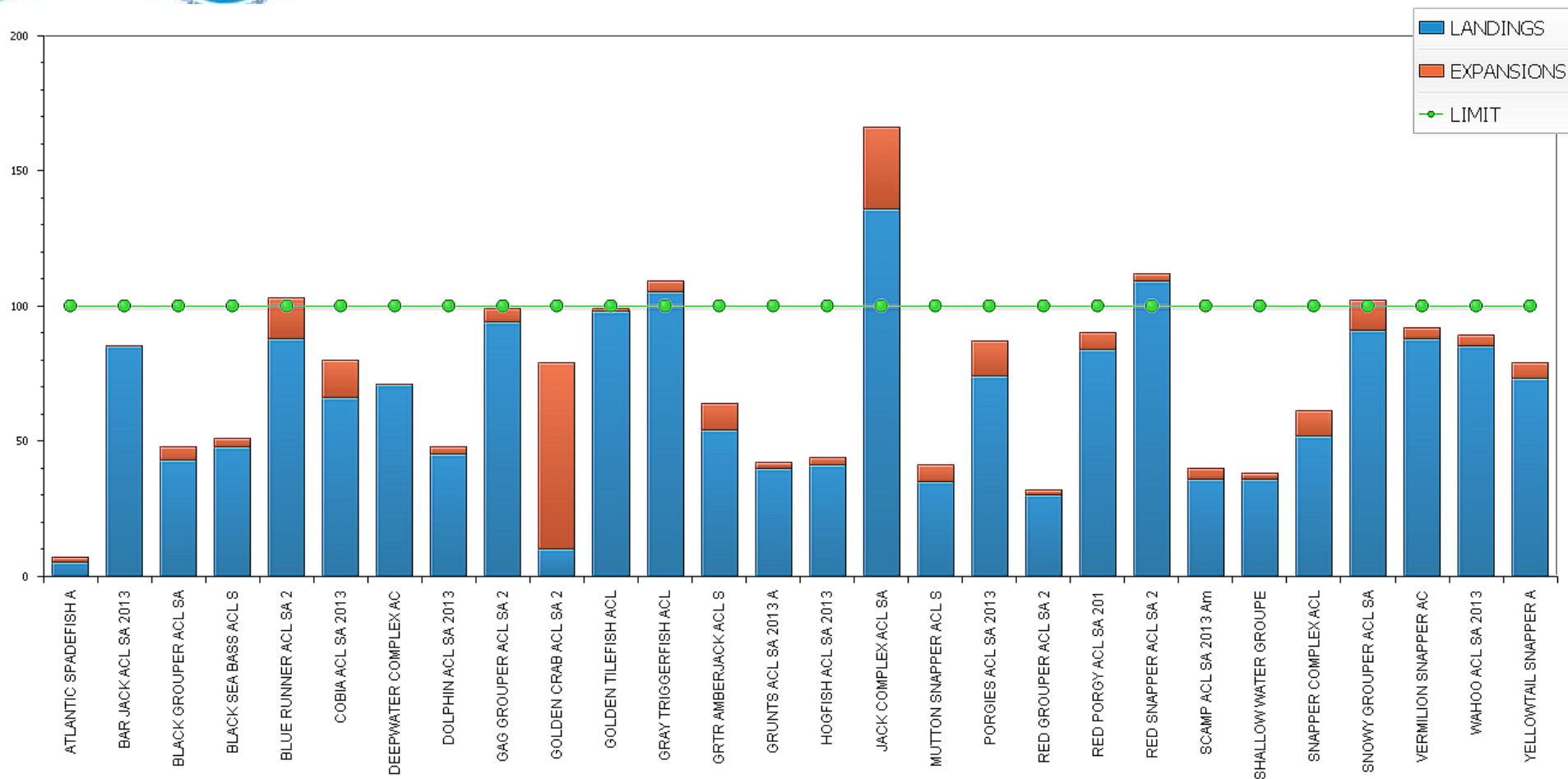
Nightly Job Tasks

Task Name	Last Run Date
SERO Dealer hold list update	22-NOV-2013 08:28AM
Refresh Quota Aggregation Data	22-NOV-2013 07:40AM
Link Current Year (DER) to Prior Year	22-NOV-2013 07:37AM
Refresh Historical Data From GULFFINDW Warehouse	22-NOV-2013 05:37AM
Rebuild Dealer List	22-NOV-2013 05:37AM
Refresh Historical Data From ACCSPDW Warehouse	22-NOV-2013 05:37AM
Process BLUEFIN-GULFFIN Changes	22-NOV-2013 05:37AM
BLUEFIN - Dealer Filenames w/bad data	22-NOV-2013 05:37AM
Process BLUEFIN-ACCSPNC Changes	22-NOV-2013 05:37AM
Process ACCSP Changes	22-NOV-2013 05:03AM
Process SCBI Changes	22-NOV-2013 05:02AM
Refresh SAFIS Tables for DER	22-NOV-2013 03:07AM
Refresh ACCSP and GFIN Validation Tables	22-NOV-2013 03:00AM
Process BLUEFIN Changes	20-NOV-2013 05:53AM
Refresh Quota Aggregation Data - Manual	13-NOV-2013 02:50PM





Percent Landed (Reported + Expanded)





Quota Summary

Quota Name	Quota Year	Dealer Count	Quota Weight	units	Reported Landed (L) Wgt	Perc Landed	Exp (F) Wgt PYSDR	L+F % PYSDR	L+F Wgt PYSDR	L+F+F DTC PYSDR	L+F+F DTC PYSD	L+F+F DTC DBM	L+F+F DTC FBM	L+F+F DTC ALPD
ATLANTIC SPADEFISH ACL SA 2013_Amend13	01-JAN-13 31-DEC-13	16	35,108	W W	1,833	5	730	7	2,563	39	39	39	39	39
BAR JACK ACL SA 2013_Amend13	01-JAN-13 31-DEC-13	16	5,265	W W	4,470	85	14	85	4,484	31	39	25	39	39
BLACK GROUPEr ACL SA 2013	01-JAN-13 31-DEC-13	60	94,571	W W	40,475	43	5,197	48	45,672	39	39	39	39	39
BLUE RUNNER ACL SA 2013_Amend13	01-JAN-13 31-DEC-13	44	177,506	W W	157,083	88	26,463	103	183,546	-10	-10	-10	-10	-10
COBIA ACL SA 2013	01-JAN-13 31-DEC-13	122	125,712	W W	82,446	66	17,241	79	99,687	39	39	22	39	39
DEEPWATER COMPLEX ACL SA 2013_Amend13	01-JAN-13 31-DEC-13	62	376,469	W W	268,884	71	37	71	268,921	39	39	39	39	39
DOLPHIN ACL SA 2013	01-JAN-13 31-DEC-13	66	1,065,524	W W	481,769	45	36,738	49	518,507	39	39	39	39	39
GAG GROUPEr ACL SA 2013	01-JAN-13 31-DEC-13	74	326,722	G W	305,749	94	16,538	99	322,287	39	39	39	39	3
GOLDEN CRAB ACL SA 2013	01-JAN-13 31-DEC-13	5	2,000,000	W W	200,267	10	1,386,372	79	1,586,639	39	39	39	39	39
GOLDEN TILEFISH ACL SA 2013 ALPD	01-JAN-13 31-DEC-13	31	541,295	G W	532,701	98	6,721	100	539,422	39	39	39	39	0
GRAY TRIGGERFISH ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	76	272,880	W W	286,794	105	10,140	109	296,934	-26	-26	-26	-26	-26
GRUNTS ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	82	218,539	W W	87,570	40	3,567	42	91,137	39	39	39	39	39
HOGFISH ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	65	49,469	W W	20,435	41	1,662	45	22,097	39	39	39	39	39
JACK COMPLEX ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	60	189,422	W W	258,437	136	57,718	167	316,155	-130	-130	-130	-130	-130
MUTTON SNAPPER ACL SA 2013	01-JAN-13 31-DEC-13	70	157,743	W W	55,522	35	9,569	41	65,091	39	39	39	39	39
PORGIES ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	53	36,348	W W	26,983	74	4,589	87	31,572	39	39	39	39	28
RED GROUPEr ACL SA 2013	01-JAN-13 31-DEC-13	79	315,920	W W	95,586	30	5,602	32	101,188	39	39	39	39	39
RED PORGY ACL SA 2013 Amend 18	01-JAN-13 31-DEC-13	53	153,000	W W	128,724	84	9,506	90	138,230	39	39	28	36	32



Quota Summary (cont)

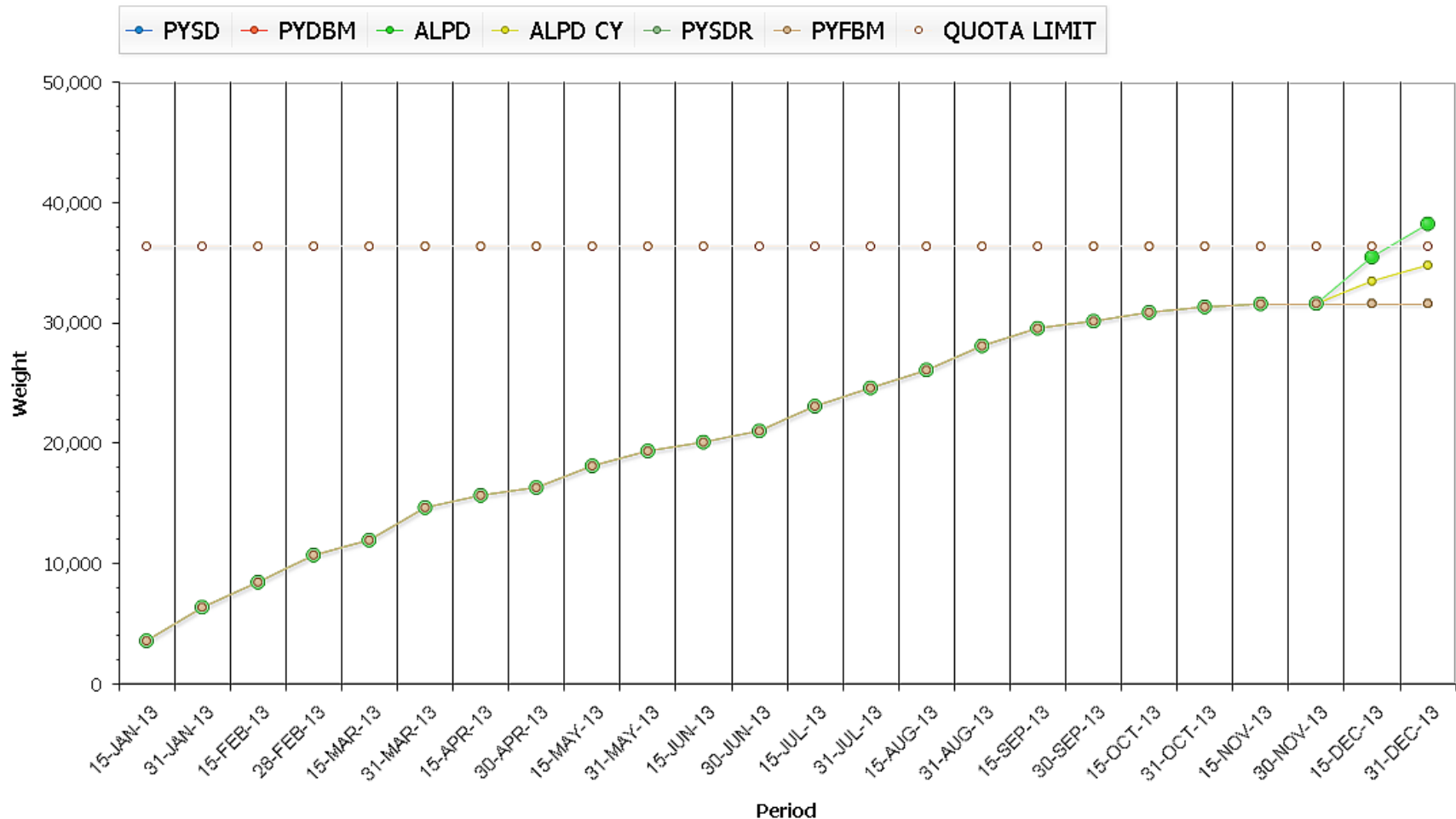
	Quota Name	Quota Year	Dealer Count	Quota Weight	units	Reported Landed (L) Wgt	Perc Landed	Exp (E) Wgt PYSDR	L+E % PYSDR	L+E Wgt PYSDR	L+E+F DTC PYSDR	L+E+F DTC PYSD	L+E+F DTC DBM	L+E+F DTC FBM	L+E+F DTC ALPD
	SHALLOW WATER GROUPER ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	50	49,776	W W	18,043	36	1,111	38	19,154	39	39	39	39	39
	SNAPPER COMPLEX ACL SA 2013 Amend13	01-JAN-13 31-DEC-13	75	215,662	W W	112,672	52	18,900	61	131,572	39	39	39	39	39
	SNOWY GROUPER ACL SA 2013	01-JAN-13 31-DEC-13	55	82,900	G W	75,811	91	8,907	102	84,718	-6	-6	-6	-6	-6
	WAHOO ACL SA 2013	01-JAN-13 31-DEC-13	100	64,147	W W	54,568	85	2,710	89	57,278	34	39	20	39	38
	YELLOWTAIL SNAPPER ACL SA 2013	01-JAN-13 31-DEC-13	63	1,596,510	W W	1,171,610	73	94,903	79	1,266,513	39	39	39	39	39
	GRTR AMBERJACK ACL SA 2013/14 Amend13	01-MAY-13 30-APR-14	55	800,163	W W	430,413	54	77,914	64	508,327	159	159	130	158	115
	BLACK SEA BASS ACL SA 2013/14	01-JUN-13 31-MAY-14	60	780,020	W W	373,721	48	20,707	51	394,428	190	190	190	190	99
	VERMILION SNAPPER ACL SA 2013 JUL-DEC TRIPLUM 500 320295	01-JUL-13 31-DEC-13	56	612,665	W W	539,817	88	25,465	92	565,282	39	39	39	39	7

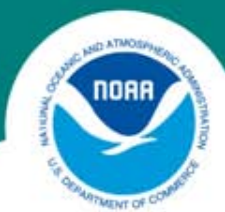


Porgies

PORGIES ACL SA 2013 Amend13 (01-JAN-13 to 31-DEC-13)


Landings Expansions & Forecast





Yellowtail

Dealers, trip tickets, landings by period

Period 	Cnt_Distinct_DlrName	Cnt_Distinct_TTN	Sum Rpt. Wgt
1	29	194	33,039
2	25	229	45,636
3	26	263	50,243
4	25	210	43,061
5	24	216	41,538
6	30	268	50,385
7	27	288	67,507
8	27	302	81,098
9	33	354	103,998
10	32	304	82,761
11	31	290	66,727
12	38	327	88,863
13	30	293	59,568
14	31	271	56,843
15	27	205	38,912
16	36	240	46,026
17	28	229	65,603
18	31	239	69,164
19	26	198	36,488
20	22	174	35,484
21	18	72	11,382



Golden Tilefish ACL Definitions

Copy	Quota Name	Quota Weight	Season Start Date	Season End Date	Last Updated	W/G	Eff Start	Eff Close	Exp Method
 	GOLDEN TILEFISH 75% ACL SA 2013	405,971	01-JAN-13	01-MAR-13	24-APR-13	G	01-JAN-12	29-FEB-12	PYSOR
 	GOLDEN TILEFISH ACL SA 2013 ALPD	541,295	01-JAN-13	31-DEC-13	15-APR-13	G	01-JAN-12	17-FEB-12	ALPD



Home

Quota Summary

Quota Detail

Quota Daily Landings

Quota Maintenance

Compliance


Reports


Quota Maintenance > Quotas > **Edit Quota**

Quota Id: 14741

* Quota Name:


* Quota Weight:


* Season Start Date: 

* Season End Date: 

* ACL or Quota: ☒ ACL ☐ QUOTA

Weight Type: ☐ Whole ☒ Gutted

Effective Start Date (Prior Year): 

Effective Closing Date (Prior Year): 

Region:

Method:

Quota Parameters

Parameters

EFFECTIVE	EXPIRATION	GEAR GROUP	LOCATION GROUP	WATER BODY GROUP	SPECIES GROUP	Updated
01-JAN-13	31-DEC-13	- ALL (1)	ALL STATES (1)	SA COUNCIL AREAS (587)	TILEFISH - GOLDEN (1)	15-APR-13
01-JAN-13	31-DEC-13	- ALL (1)	SA COUNCIL LOCATIONS (331)	NOT SPECIFIED - AREA 0 (1)	TILEFISH - GOLDEN (1)	15-APR-13

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Compliance

Prm Eff Date	Prm Exp Date	Dms Key	Dealer ID	T.O.P.	Jan P1	Jan P2	Feb P1	Feb P2	Mar P1	Mar P2	Apr P1	Apr P2	May P1	May P2	Jun P1	Jun P2	Jul P1	Jul P2	Aug P1	Aug P2
20-MAY-13	28-FEB-14	DMS41077	4376545	RD.SD	I(110)	I(95)	I(80)	-	I(52)	-	-	-	I(11)	D	L(Y)	Z(Y)	Z(Y)	Z(Y)	L(Y)	L(Y)
02-MAY-12	30-APR-14	DMS45620	4374834	DDW.GCD.SD.SGD	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	D	D	D	D	D
01-NOV-12	31-OCT-14	DMS56789	4374861	DDW.RD.SD.SGD	L(43)	L(43)	L(42)	L(48)	L(Y)	L(24)	L(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	L(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)
01-FEB-12	31-JAN-14	DMS48596	4374713	RD	L(Y)	L(Y)	L(Y)	D	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)
01-NOV-12	30-SEP-14	DMS42338	4376549	RD	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
01-OCT-12	30-SEP-14	DMS42546	4375578	RD	L(14)	L(Y)	L(40)	L(27)	L(12)	L(Y)	L(9)	L(Y)	L(16)	L(Y)	L(11)	L(Y)	L(14)	L(Y)	L(18)	L(27)
01-SEP-12	31-AUG-14	DMS42701	4379069	RD	L(Y)	L(Y)	L(2)	L(Y)	L(16)	L(Y)	L(10)	L(Y)	L(3)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(2)	L(Y)
01-MAR-12	28-FEB-14	DMS42368	4380888	RD	L(Y)	L(Y)	L(Y)	L(Y)	L(23)	L(7)	L(9)	L(Y)	L(2)	L(Y)	L(8)	L(4)	L(1)	L(5)	L(2)	L(13)
01-AUG-12	31-JUL-14	DMS42274	4380026	RD	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	L(Y)	D	L(Y)	L(2)	L(Y)	L(Y)	D
01-JUN-12	31-MAY-14	DMS42398	4375545	RD	L(22)	L(7)	L(10)	D	L(Y)	L(Y)	L(10)	L(Y)	L(Y)	L(27)	L(12)	L(Y)	L(16)	L(2)	L(20)	L(4)
01-JUN-12	31-MAY-14	DMS42369	4379106	RD	[Click to Show Daily Reports in P1]			Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)
01-JUL-12	30-JUN-14	DMS42353	4380887	RD	L(3)	L(Y)	L(9)	L(Y)	L(Y)	L(Y)	L(Y)	L(1)	L(Y)	L(Y)	L(20)	L(5)	L(Y)	L(Y)	L(15)	L(Y)
01-APR-12	31-MAR-14	DMS42528	4378606	RD	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
17-JUL-12	31-MAY-14	DMS42878	4378439	DDW.RD.SGD	L(15)	L(Y)	L(16)	L(3)	L(19)	L(3)	L(16)	L(2)	L(23)	L(7)	L(14)	L(Y)	L(Y)	L(Y)	L(16)	L(Y)
10-OCT-12	31-AUG-14	DMS48599	4375945	RD	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
01-JUN-12	31-MAY-14	DMS43200	4379526	DDW.SD.SGD	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)
12-FEB-13	30-NOV-13	DMS42316	4379068	DDW.SGD	I(50)	I(51)	L(34)	L(7)	L(13)	L(Y)	L(14)	L(Y)	L(42)	L(Y)	L(Y)	L(Y)	L(24)	L(10)	L(15)	L(Y)
14-MAY-12	31-MAY-14	DMS41755	4376474	DDW.RD.SD.SGD.SK	L(Y)	D	L(7)	L(Y)	L(33)	L(17)	D	Z(Y)	D	Z(Y)	Z(Y)	Z(Y)	Z(Y)	Z(Y)	L(Y)	Z(Y)
01-OCT-12	30-SEP-14	DMS46619	4376480	DDW.RD.SGD	L(7)	L(Y)	L(97)	L(84)	L(69)	L(53)	L(36)	L(22)	L(8)	D	Z(Y)	Z(Y)	Z(Y)	Z(Y)	D	L(Y)
01-OCT-12	30-SEP-14	DMS49749	4377523	RD	D	L(9)	L(12)	L(Y)	L(27)	L(11)	D	L(Y)	L(15)	L(Y)	L(29)	L(14)	L(14)	L(Y)	L(14)	L(Y)

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One Dealer

Trip Ticket Num : 0000139

<u>Landed Date</u>	<u>Initial Report Date</u>	<u>Date Reported</u>	<u>Updated Rpt Date</u>	<u>Year</u>	<u>Species ITIS</u>	<u>Common Name</u>	<u>Landed Wgt</u>	<u>Landing Port Fips</u>	<u>Landing County Fips</u>	<u>County Name</u>	<u>Landing State Fips</u>	<u>State Code</u>	<u>Gear Code</u>	<u>Market Code</u>	<u>Grade Code</u>	<u>U.M.</u>	<u>Disposition Code</u>
16-FEB-13	20-MAR-13	20-MAR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	300	UN	23	LB	001

Trip Ticket Num : 0000143

<u>Landed Date</u>	<u>Initial Report Date</u>	<u>Date Reported</u>	<u>Updated Rpt Date</u>	<u>Year</u>	<u>Species ITIS</u>	<u>Common Name</u>	<u>Landed Wgt</u>	<u>Landing Port Fips</u>	<u>Landing County Fips</u>	<u>County Name</u>	<u>Landing State Fips</u>	<u>State Code</u>	<u>Gear Code</u>	<u>Market Code</u>	<u>Grade Code</u>	<u>U.M.</u>	<u>Disposition Code</u>
16-FEB-13	20-MAR-13	20-MAR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	300	UN	23	LB	001
16-FEB-13	20-MAR-13	20-MAR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	300	UN	23	LB	001
16-FEB-13	20-MAR-13	20-MAR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	300	UN	23	LB	001

Trip Ticket Num : 0000146

<u>Landed Date</u>	<u>Initial Report Date</u>	<u>Date Reported</u>	<u>Updated Rpt Date</u>	<u>Year</u>	<u>Species ITIS</u>	<u>Common Name</u>	<u>Landed Wgt</u>	<u>Landing Port Fips</u>	<u>Landing County Fips</u>	<u>County Name</u>	<u>Landing State Fips</u>	<u>State Code</u>	<u>Gear Code</u>	<u>Market Code</u>	<u>Grade Code</u>	<u>U.M.</u>	<u>Disposition Code</u>
20-FEB-13	03-APR-13	03-APR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	552	UN	01	LB	001

Trip Ticket Num : 0000170

<u>Landed Date</u>	<u>Initial Report Date</u>	<u>Date Reported</u>	<u>Updated Rpt Date</u>	<u>Year</u>	<u>Species ITIS</u>	<u>Common Name</u>	<u>Landed Wgt</u>	<u>Landing Port Fips</u>	<u>Landing County Fips</u>	<u>County Name</u>	<u>Landing State Fips</u>	<u>State Code</u>	<u>Gear Code</u>	<u>Market Code</u>	<u>Grade Code</u>	<u>U.M.</u>	<u>Disposition Code</u>
21-FEB-13	03-APR-13	03-APR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	300	UN	23	LB	001

Trip Ticket Num : 0000173

<u>Landed Date</u>	<u>Initial Report Date</u>	<u>Date Reported</u>	<u>Updated Rpt Date</u>	<u>Year</u>	<u>Species ITIS</u>	<u>Common Name</u>	<u>Landed Wgt</u>	<u>Landing Port Fips</u>	<u>Landing County Fips</u>	<u>County Name</u>	<u>Landing State Fips</u>	<u>State Code</u>	<u>Gear Code</u>	<u>Market Code</u>	<u>Grade Code</u>	<u>U.M.</u>	<u>Disposition Code</u>
22-FEB-13	03-APR-13	03-APR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	140	UN	01	LB	001
22-FEB-13	03-APR-13	03-APR-13	-	2013	Species Code	Species Name	###	99087	087	MONROE	12	FL	140	UN	01	LB	001



End live demonstration



Commercial Landings Monitoring system Status

- The largest improvement in monitoring will be federal permits for all dealers and timely reporting
- SEFSC software is considered stable
 - Improvements (tweaks): open/close dates, previous fishery tracking, further reporting improvements
 - Improved expansion and forecasting methods
- **Data issues remain the primary area of concern**

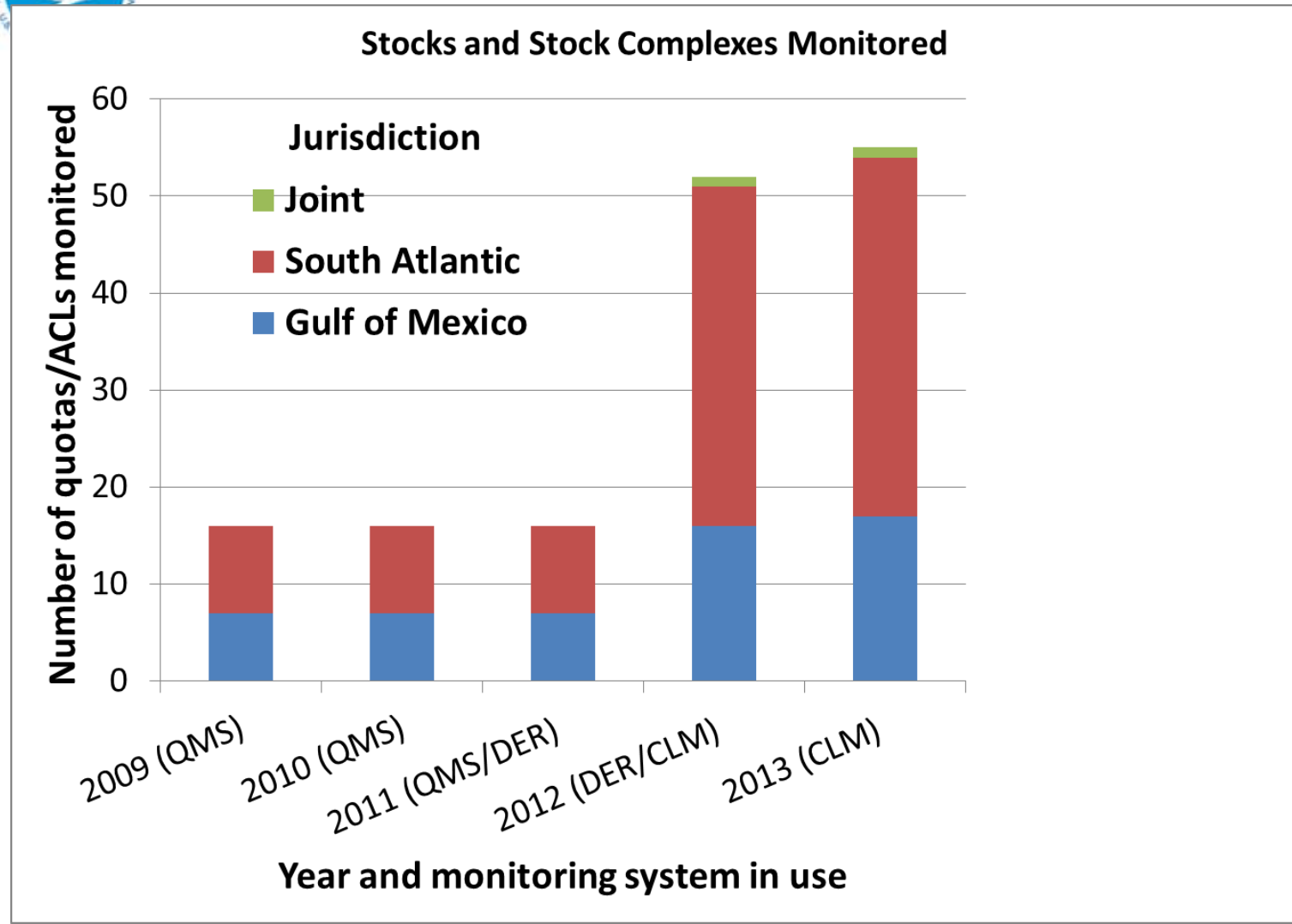


Commercial Landings Monitoring system

- Successes
 - Improved standardization of e-reports especially Bluefin Inc
 - SEFSC personnel now focusing on data
 - Monitoring ~ 50 ACLs, could do more
 - QMS (2010) monitored 15 groups
 - dealers file 1 report, not multiple

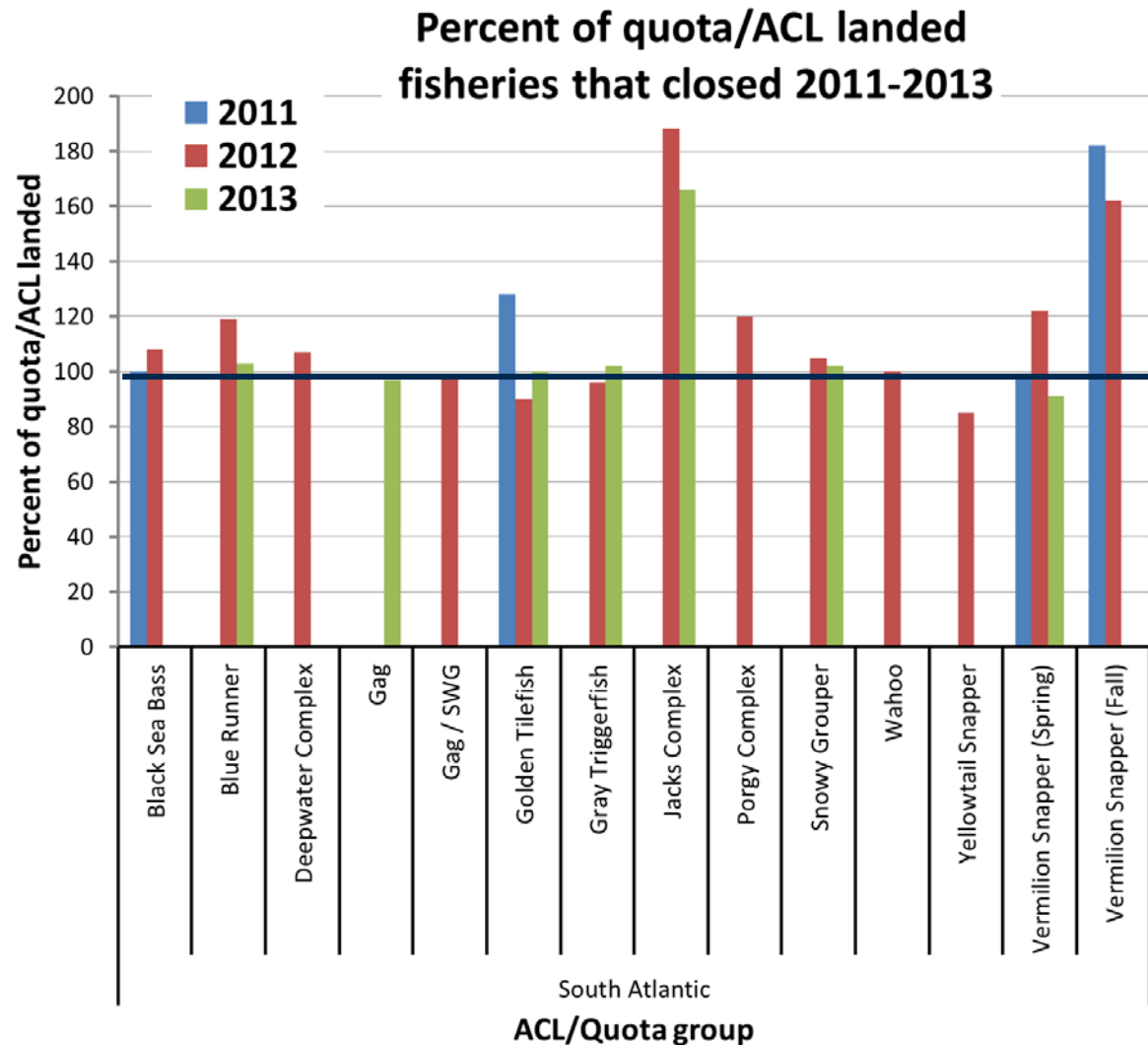


Improved monitoring capacity





SEFSC +SERO management results





Challenges (primarily data problems)

Dealer identity

May-July, October

Format and data structure inconsistency

push updates

Species codes

missing codes (state without code for amlaco
jack)

improper species ID by dealer

Compliance



Commercial Landings Monitoring system

- Planned improvements
 - Error checking - dealer historical patterns
 - Refined forecast methods
 - Bluefin Inc. standardization (GSMFC)
presumably later other areas (NEFSC, NC)
 - Automated compliance system (vessels
and dealers) being developed



Questions?