# NMFS GALVESTON LABORATORY BRD/BYCATCH and REEF FISH PROGRAM

# **RECEIPT**

VESSEL NAME:		
OBSERVER NAME:		
\$x	SEA DAYS = \$	
Captain's Signature		· · · · · · · · · · · · · · · · · · ·
Trip Number	Sea Dates	to
Trip Number	Sea Dates	to
Trip Number	Sea Dates	to
Trip Number	Sea Dates	to
Trin Number	Sea Dates	to

# **COVER SHEET**

TRIP NUMBER:	
VESSEL NAME:	
DATES OF TRIP:	
OBSERVER NAME:	
NUMBER OF TOWS/SETS SAMPLED:	
OBSERVER SUBMITTING DATA:	
DATE SUBMITTED TO LAB:	/ /
OBSERVER DATA PROOFS:	
DATE 1 <sup>ST</sup> COMPLETE PROOF WAS COMPLETED	/
DATE 2 <sup>ND</sup> SCAN PROOF WAS COMPLETED	//
OBSERVER SIGNATURE:	

### TRIP COMPLETION FORM

Trip #:	Observer:			Vessel:
Trip Summary - Describetrip chronol	ogically from the time it was ass	signed until you return	nhome or you receive and	ther assignment. Include travel dates and locations.
Date and Location, data sheet	ts were initially comp	leted		
/ /				
Date		Location (i.e.	on boat, in mote	I, or home)
1st complete proof		2nd complete	e proof (scan for b	lanks and flow)  Note: You should be proofing as the trip  progresses, but that does not constitute a  "complete" proof. A complete proof should be  done after all of the data sheets have been
Date		D	ate	completed.
Photocopies of trip complete	d		Data se	nt to Coordinator/Field Coordinator
/ /	Note: Always retain a			/ /
Date	until observer coordir okay to dest			Date
Method of Shipping		Who was the	data shipped to	? (Coordinator/Field Coordinator)
		Circle One	If No, explain:	
Data sheets signed by captain	า	Y/N	-, - <sub> </sub> -	
Receipts completed and signe		Y/N		
Two complete proofs		Y/N		
Trip copy made		Y/N		
All data represented on data	sheets is in log book	Y/N		
All "required" data sheets con	mpleted	Y/N		
New species flagged		Y/N		
Turtles flagged?		Y/N		
Pictures included with data s	et?	Y/N		

# **VESSEL INFORMATION FORM**

ORG PRO		MO	DY YR	MO DY	YR
TRIP NO. VESSEL CO	ODE OBSE	RVER DAT	E: START OF TRIP	DATE: END OF TRI	P
VESSEL NAME:					
OBSERVER NAME:					
VESSEL ID # VESS	SEL LENGTH (ft):		YEAR VESSE	ı DIIIIT	
VESSEL IU # VESS	BEL LENGTH (IL).	-	TEAR VESSE		
AUECCEL TADE (CIRCLE ONE).	750	ICE DOAT			
VESSEL TYPE (CIRCLE ONE): FREE	ZER or	ICE BOAT			
	CTF 51	141000	FIDEDOLASS	FIREDOLASS ALIOS	
MATERIAL OF HULL CONSTRUCTION (CIRCLE ONE):	STEEL	. WOOD	FIBERGLASS	FIBERGLASS/WOO	טט
GROSS TONNAGE:		HORSEPO	OWER OF ENGINE:		
CREW SIZE (WITHOUT CAPTAIN):					
This #does not include observers					
OWNER NAME:					
OWNER ADDRESS:					
CAPTAIN'S NAME:					
OWNER'S OR CAPTAINS SIGNATURE:					

TRIP#					J
VESSEL NAME		ID#	NTATION#)	VSCODE LTH	(LENGTH)
	STATE	СІТҮ	,		(==::4
PORT OF DEPARTURE		_ /			
OBSERVER NAME				ORGANIZATION	
	MTH/DAY	MTH/DAY	YEAR		
TRIP DATES	<u>_</u>		-	OBSERVER DAYS	
(dates, total # of travel an	d sea days allotted for thi	s trip)			
	MTH/DAY	MTH/DAY	YEAR		
DATES AT SEA	<u> </u>			SEA DAYS	
(dates, total # of days at s	ea from port to port)				
24 HR. DAYS FISHED (in	icluding tows not sampled	N.		STARTING TOW #	
TOTAL TIME (hours towe		24 =		ENDING TOW #	
TO THE TITLE (Hours towe			_	(DO NOT INCLUDE TOWS NOT	SAMPLED)
AVERAGE TOW TIME					,
TOT.TIME HOURS TOW	/FD [SAMPLED]	(1) (1)	(2)	(3) (4)	
TOT.TIME HOURS TOW		(2) (		)/( + )=	
TOT.# TOWS SAMPLED		(3)	<del></del> `	·	
TOT.# TOWS UNSAMPL		(4)			
		` ,			
GEAR CONFIGURATION	I (MAIN NETS)				
NET #1 TED	BRD	APPLICABLE	TRY N	ET	
NET #2 TED	BRD	TOW #S		HRL NET# _	(Location)
NET #3 TED	BRD			FRL APPLICABLE	
NET #4 TED	BRD		<u> </u>	TOW #S	
NET #1 TED	BRD	APPLICABLE		CIRCLE TRY NET LOCATION ON	DIAGRAM
NET #2 TED	BRD	TOW #S		Æ	
NET #3 TED	BRD	<u> </u>		/≘\	
NET #4 TED	BRD				$\overline{}$
(ENTER N/A FOR NET #s 1&4 I	F ONLY TWO NETS ARE PULLE	D BY YOUR BOAT)	_	1 2	3 4
		AREAS FISH	HED		
STAT.AREA#					
INSHORE					
NEARSHORE ≤ 60'					
OFFSHORE > 60'					
(ENTER APPLICABLE STATISTIC	CALAREA#THENTHE#OFTC	OWS "SAMPLED" IN THE APPI	ROPRIATE ZONI	E BLOCK)	
TURTLES CAPTURED				TURTLES SIGHTED	
SPECIES NET #/T	YPE* LAT/LONG	DATE	TOW#	SPECIES LAT/LONG	DATE
1		_		1	
2	<u> </u>			2	
3		_		3	_
4				4	
5				5	
6				6	_
7	<u> </u>			7	
*(ST-STANDARD NET, TB-NET	WITHTED AND BRD, T-NET WI				
B-NET WITH BRD ONLY, TR-TR	Y NET)	SIGNA	TURE		

# TRIP REPORT - SHRIMP BY-CATCH TOWS NOT SAMPLED

VSCODE	TRIP DATES	TRIP #

(A TOW WITH AN OPERATION CODE SHOULD NOT BE LISTED AS UNSAMPLED)

NO.	DATE	LATITUDE	LONGITUDE	HOURS TOWED	DEPTH (FEET)	STAT ZONE	REASON NOT SAMPLED
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
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21							
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31 32							
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34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

#### SAMPLED TOW LOG

TRIP#

_			<b>O</b> 2	VIPLED IOVV			IKIP#	
DATE	TOW#	TIME IN	TIME OUT	HOURS TOWED	DEPTH (FEET)	STAT ZONE	EXP NP	CONT NP
	<del> </del>							
	ļ							

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#### **GEAR SPECIFICATION FORM** OMB No. 0648 - 0345 Approval Expires - 01/31/2012 **BRD TESTING PROTOCOL** Gear ID# Control (C) or Experimental (E) ORGPRO TRIP NO. **NET POSITION** VESSEL DATE TOW NO SECTION I **NET GEAR MEASUREMENTS** NET TYPE AND HEAD/FOOT ROPE MEASUREMENTS LEG LINE MEASUREMENTS Net Type Top Leg Length Feet Bottom Leg Length Feet Headrope Length Feet **Footrope Length** Feet Top Leg Dummy Feet Comments **Bottom Leg Dummy** Feet TRAWL BODY TRAWL EXTENSION Type: Nylon Sapphire Spectra Type: Nylon Poly Sapphire Spectra None Inches Mesh Size Inches Mesh Size Comments Comments COD END **CHAFFING GEAR** None Type: Nylon Poly Sapphire Spectra Type Whiskers Mesh Metal Twine Size Mesh Size Inches Comments Comments TICKLER CHAIN DOORS Chain Length Feet Chain Size (gauge) Type: Aluminum Wood Steel Other Inches Door Length Feet None Comments Door Height Feet LAZY LINE **Elephant Ears Dummy Door Length** Choke Rigging: Comments Comments SECTION II **BRD MEASUREMENTS** BRD TYPE: Fisheye Jones Davis Modified Jones Davis None **Extended Funnel** Composite Other Offset BRD position: Top Spooker Cone: No Yes or Codend length (# of meshes): Circumference of the codend (# of meshes): Distance of escape opening from elephant ear or choke rings: Inches Distance of escape opening from tie off rings: Feet Inches Number of meshes the fisheye is offset from top center Height Fisheye (BRD) escape opening: Inches Inches Shape of the escape opening: oval, diamond, square, halfmoon, rectangle, triangle, if other Specify (check one) Look from the mouth of the net, is the BRD located at Front **Behind** in front of, at, or behind the point of attachment of the elephant ears: What is the length of the elephant ear from the point of attachment to the tip of the ring: Inches

Feet

Inches

Distance from point of attachment of elephant ear to tie off rings

# TED/BRD SPECIFICATION FORM OMB No. 0648 - 0345 Approval Expires - 01/31/2012

BRD TESTING P	ROTOCOL
ORGPRO M TRIP NO. VESSEL TOW NO.	DATE NET GEAR ID # POSITION
SECTION III TED MEASUREM	ENTS
TED TYPE	
TED DESIGN (CIRCLE ONE) WEEDLESS CURVED BA	AR STRAIGHT BAR UNKNOWN
TED OPENING BOTTOM	
TED FUNNEL (YES OR NO)	TED MATERIAL
TED FLAP (YES OR NO)	# OF TED FLOATS
TED ANGLE (DEGREES)	FLOAT TYPE Material: Shape:
TED DIMENSIONS LENGTH (INCHES) WIDTH (INCHES)	
GEAR DESCR	IPTIONS
BRD DESCRIPTION	
BRD DIAG	RAM
Sketch fisheye including height and width (on the back of this f	form) or attach cardboard outline (if possible)
GEAR DESCRIPTION	offin of attach caraboara outline (if possible).
description of the second seco	
GEAR DIA	GRAM
	PHOTOGRAPHED (Circle one): Y or N

### TRY NET TOW SUMMARY BRD/CHARACTERIZATION

TRIP#		VESSE	EL CODE		
TRY NET HEADROPE LENGT	H (feet)	TRY NET FOOT	TROPE LENGTH (feet)		
TRYNETTED	TYPE (IF PRESENT)		_		
STATION TOW#	STAT. ZONE	CHECK ONE:	NEAF	RSHOREOFFS	SHORE
TRYNET TOW # TIME IN  COMMENTS:	TIME OUT	TURTLE(X) TRYN (X) TOW#		TIME OUT	TURTLE (X) (X)
STATION TOW#	STAT. ZONE	CHECK ONE:	NEAF	RSHOREOFFS	SHORE
TRYNET TOW# TIME IN  COMMENTS:	TIME OUT	TURTLE (X)  (X)  TOW #		TIME OUT	TURTLE (X)
STATION TOW#	STAT. ZONE	CHECK ONE:	NEAF	RSHOREOFFS	SHORE
TRYNET TOW# TIME IN  COMMENTS:	TIME OUT	TURTLE (X)  (X)  TOW #		TIME OUT	TURTLE (X)
STATION TOW#	STAT. ZONE	CHECK ONE:	NEAF	RSHOREOFFS	SHORE
TRY NET TOW # TIME IN  COMMENTS:	TIME OUT	TURTLE (X)  (X)  TOW #		TIME OUT	TURTLE (X)

	STATION SHEET	T BRD EVALUA	ATION Station ID:	#
	BRD TEST	ING PROTOCOL		
TRIP NO.  MONTH DAY YEAR  START DATE TIME		TOW E SECONDS DEGRE		OBSERVER  DEPTH IN (FEET)
NONTH DAY YEAR STOP DATE TIME C		E SECONDS DEGRE	E MINUTE SECONDS  DNGITUDE OUT	DEPTH OUT (FEET
HOURS VESSEL TOWED SPEED	STAT OPERATI	ON TOTAL	STATE DIF	RETRIEVAL SCALE RECTION TYPE Digital (D),
COORDINATOR COMMENTS  Gear ID#		BRD OPEN		oss(C) Sea  Mechanical (M  Both (B) or  Unknown (U)
NET POSITION  TOTAL CATCH WEIGHT (kg)	EXPERIMENTAL (E), or CONTROL (C).  SHRIMP TOTAL WE	or BRD CLOS (circle one IGHT (kg)	) Si	AMPLE WEIGHT (kg)  HRIMP  D), HEAD OFF (X)
RED SNAPPER TOTAL WEIGHT (kg) Comments:		length frequency form for NO. OF RED SNAPPER ≤ 100 mm	NO. O	F RED SNAPPER > 100 mm
Gear ID# NET POSITION	EXPERIMENTAL (E), or CONTROL (C).	BRD OPEN or BRD CLOS (circle one	SED SA	AMPLE WEIGHT (kg)
TOTAL CATCH WEIGHT (kg)	SHRIMP TOTAL WE	IGHT (kg)  Iength frequency form for	HEAD ON (	HRIMP D), HEAD OFF (X)
	RED SNAPPER TOTAL NUMBER	NO. OF RED SNAPPER ≤ 100 mm	NO. O	F RED SNAPPER > 100 mm
Comments:				
Characterization sample completed?	YES (A	ttach species forms).		NO

Captain's Signature

### **CONDITION & FATE FORM**

#### **BRD TESTING PROTOCOL**

ORG PRO				
TRIP NO. VESSEL	TOW			
<u></u>	NUMBER			
CONTROL Or EXPERIMENTAL NET POSITION	CONTROL Or EXPERIMENTAL NET POSITION			
CIRCLE ONE	CIRCLE ONE			
CONDITION AND FATE OF	F BYCATCH PRIOR TO DISCARDING			
	appropriate boxes.			
FISH	FISH			
MORE THAN 50% OF CATCH ALIVE	MORE THAN 50% OF CATCH ALIVE			
MORE THAN 50% OF CATCH DEAD	MORE THAN 50% OF CATCH DEAD			
NOT DETERMINED (CATCH NOT DUMPED)	NOT DETERMINED (CATCH NOT DUMPED)			
NOT OBSERVED	NOT OBSERVED			
COMMENTS:	COMMENTS:			
INVERTEBRATES	INVERTEBRATES			
MORE THAN 50% OF CATCH ALIVE	MORE THAN 50% OF CATCH ALIVE			
MORE THAN 50% OF CATCH DEAD	MORE THAN 50% OF CATCH DEAD			
NOT DETERMINED (CATCH NOT DUMPED)	NOT DETERMINED (CATCH NOT DUMPED)			
NOT OBSERVED	NOT OBSERVED			
COMMENTS:	COMMENTS:			
PREDAT	TORS OBSERVED			
Refer to the table and choose the ap	propriate number code for each predator type.			
PREDATORS OBSERVED	PREDATORS OBSERVED			
SHARKS OTHER FISH	SHARKS OTHER FISH			
DOLPHINS SEA BIRDS	DOLPHINS SEA BIRDS			
COMMENTS:	COMMENTS:			
0 = Predator not present in area.				
1 = Predator observed but "not" feeding on organisms ex	citing BRD.			
2 = Predator observed "feeding" on organisms exiting BF				
3 = Predator observed but couldn't determine (or could not s	see) if they were feeding on organisms exiting BRD.			
9 = Not determined (Observer was not able to check for p	oredator).			
	EEN EXITING BRD DURING NET RETRIEVAL			
	appropriate boxes.			
(1 - 10) NONE	(1 - 10) NONE			
(10 - 50) N/A (BRD Closed)	(10 - 50) N/A (BRD Closed)			
(50 - 100) NOT OBSERVED (or not able to see.)	(50 - 100) NOT OBSERVED (or not able to see.)			
(100 OR MORE)	(100 OR MORE)			
COMMENTS:	COMMENTS:			

# SPECIES CHARACTERIZATION FORM BRD TESTING PROTOCOL

ORG PRO																					Con	trol (	(C) or	· Exp	erim	enta	ıl (E)
TRIP NO.			V	ESSI	EL			T	ЭW	NU	MBI	ER			N	ET P	OS	ITION	٧								
COMMON																		SAN	/IPL	ΕW	/EIG	HT	SE	LEC	TW	EIGI	-T
NAME			G	ENL	JS					SPE	CIES	<u> </u>		١	NUN	1BEI	R			(kg)					(kg		
BROWN SHRIMP	F	Α	R	F	Α	Ν	Т	Α	Z	Т	Ε	С	U														
WHITE SHRIM P	L	Ι	Т	О	Р	Ε	Ν	S	Ε	Т	1	F	Ε														
PINK SHRIM P	F	Α	R	F	Α	Ν	Т	D	U	О	R	Α	R														
PENAEUS DISCARD	Р	Ε	N	Α	Ε	U	S	D	ı	S	С	Α	R							,							
CRABS, LOBSTERS, ETC.	С	R	U	S	Т	Α	С										1										
OTHER INVERTEBRATES	ı	Ν	V	Ε	R	Т	Ε										1			,							
BLACKNOSE SHARK	С	Α	R	С	Н	Α	R	Α	С	R	0	N	О							,							
SPINNER SHARK	С	Α	R	С	Н	Α	R	В	R	Ε	٧	Ι	Р							,							
FINETOOTH SHARK	С	Α	R	С	Н	Α	R	-	S	0	D	0	Ν														
BLACKTIP SHARK	С	Α	R	С	Н	Α	R	L	_	Μ	В	Α	Т							,							
ATLANTIC SHARPNOSE SHARK	R	Н	I	Z	0	Р	R	Т	Ε	R	R	Α	Ε							,							
BONNETHEAD SHARK	S	Р	Н	Υ	R	N	Α	Т	ı	В	U	R	0							,							
SM OOTH DOGFISH SHARK	М	U	S	Т	Ε	L	U	С	Α	Ν	ı	S								,							
FLORIDA SMOOTHHOUND SHARK	Μ	U	S	Т	Ε	L	U	Ν	0	R	R	ı	S							,							
LEM ON SHARK	Z	Ε	G	Α	Р	R	-	В	R	Е	>	_	R							,							
OTHER SHARKS NOT LISTED	С	Α	R	C	Ι	Α	R																				
TROUT	С	Υ	Ν	0	S	С	Ι																				
SNAPPER (OTHER)	L	U	Т	J	Α	Ν	С													,							
LANE SNAPPER	L	U	Т	J	Α	Ν	U	S	Υ	Ν	Α	G	R							,							
CROAKER	М	ı	С	R	0	Р	0	J	Ν	D	U	L	Α							,							
SOUTHERN FLOUNDER	Р	Α	R	Α	L	I	С	L	Ε	Т	Н	0	S							,							
BLACK DRUM	Р	0	G	0	N	I	Α	С	R	0	М	ı	S							,							
COBIA	R	Α	С	Н	Υ	C	Ε	С	Α	Z	Α	D	U							,							
VERMILLION SNAPPER	R	Н	О	М	В	0	Р	Α	U	R	0	R	U							,							
RED DRUM	S	С	1	Α	Ε	Ν	0	0	С	Е	L	L	Α														
SPOTTED SEATROUT	С	Υ	Ν	О	S	С	Ι	Ζ	Ε	В	U	L	О							,							
KING MACKEREL	S	С	0	М	В	Ε	R	С	Α	٧	Α	L	L														
SPANISHMACKEREL	S	С	О	М	В	Е	R	М	Α	С	U	L	Α							,							
LONGSPINE PORGY	S	Т	Ε	Ν	0	Т	0	С	Α	Р	R	I	Ν							,							
OTHER FINFISH-GROUPED	Р	1	S	С	Ε	S											1			,							
DEBRIS	D	Ε	В	R	_	S											1										
DOMINANTS / OTHER NOT LISTED																											
			L		$oxedsymbol{oxedsymbol{oxed}}$																						L

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# SPECIES CHARACTERIZATION FORM - MODIFIED SOUTH ATLANTIC PENAEID SHRIMP

															•			]		. •					]		
ORGPRO TRIP NO.			V	ESSI	EL			T	WC	NUI	MBE	R			Ν	ET F	POS	İTIO					ol (C)				
COMMON NAME			G	ENL	JS					SPE	CIES	5		1	NUN	ИΒΕΙ	R	SAN	ЛPL	E WE	IGH	T (kg)	SE	LEC	r WEI	GHT	(kg)
BROWN SHRIMP	F	Α	R	F	Α	Ν	Т	Α	Z	Т	Е	С	U									╄				▙	╄
WHITE SHRIM P	L	ı	Т	0	Р	Е	Ν	S	Е	Т	ı	F	Е									╄	▙		Ш	▙	╄
PINK SHRIM P	F	Α	R	F	Α	Ν	Т	D	U	0	R	Α	R									╄	<u> </u>			┺	╄
PENAEUS DISCARD	Р	Ε	Ν	Α	Ε	U	S	D	ı	S	С	Α	R									╄	<u> </u>		Ш	▙	╄
BLUE CRAB	С	Α	L	L	_	Ν	Ε	S	Α	Р	_	D	υ									丄	L		Ш	L	丄
CRABS, LOBSTERS, ETC.	С	R	U	S	Т	Α	С										1					╄				L	▙
CANNONBALL JELLYFISH	S	Т	0	М	0	L	0	М	Ε	L	Ε	Α	G									┺			Ш	L	┺
JELLYFISHFAMILY	С	Α	R	Υ	В	D	Ε										1					_				L	<u> </u>
OTHER INVERTEBRATES	ı	Ν	٧	Ε	R	Т	Ε										1					<u> </u>				L	╙
STAR DRUM	S	Т	Е	L	L	Ι	F	L	Α	Ν	С	Ε	0													_	
ATLANTIC MENHADEN	В	R	Ε	٧	0	0	R	Т	Υ	R	Α	Ν	Ν													_	
SHAD	Α	L	0	S	Α																				Ш		
SPINNER SHARK	С	Α	R	С	Н	Α	R	В	R	Ε	٧	ı	Р										L		Ш	L	$oldsymbol{ol}}}}}}}}}}}}}}}}}$
SILKY SHARK	С	Α	R	C	Н	Α	R	F	Α	L	C	-	F												Ш		
FINETOOH SHARK	С	Α	R	C	Н	Α	R	Ι	S	0	D	0	Ν									$oldsymbol{ol}}}}}}}}}}}}}}}$				L	
BLACKTIP SHARK	С	Α	R	C	Η	Α	R	L	-	Μ	В	Α	Т									L			Ш		
ATLANTIC SHARPNOSE SHARK	R	Н	Ι	Z	О	Р	R	Т	Ε	R	R	Α	Ε														
BONNETHEAD SHARK	S	Р	Н	Υ	R	Z	Α	Т	ı	В	כ	R	0														
SM OOTH DOGFISH SHARK	Μ	С	S	Т	Ε	L	υ	С	Α	Ζ	_	S															
SCALLOPED HAMMERHEAD SHARK	S	Р	Η	Υ	R	Z	Α	L	Ε	٧	-	Z	-														
OTHER SHARKS NOT LISTED	С	Α	R	С	Н	Α	R																				
SPOTTED SEATROUT	С	Υ	Ν	0	S	С	ı	Ν	Е	В	$\subset$	L	0														
SILVER SEATROUT	С	Υ	Ν	0	S	С	ı	Ν	0	Т	Ι	J	S														
WEAKFISH (GRAY TROUT)	С	Υ	Ν	0	S	С	-	R	Ε	G	Α	L	_														
SEATROUT (GENUS)	С	Υ	Ν	0	S	С	ı																				
SPOT	L	Ε	Ι	0	S	Т	0	Х	Α	Ν	Т	Н	U														
ATLANTIC CROAKER	М	ı	С	R	0	Р	0	U	Ν	D	J	L	Α														
SOUTHERN KINGFISH	М	Ε	Ν	Т	_	C	ı	Α	М	Ε	R	ı	С														
NORTHERN KINGFISH	М	Ε	Ν	Т	Ι	С	ı	S	Α	Х	Α	Т	ı														
RED DRUM	S	С	ı	Α	Ε	Ζ	0	0	С	Ε	L	L	Α														
BLACK DRUM	Р	0	G	0	Ν	_	Α	С	R	0	М	-	S														
COBIA	R	Α	С	Н	Υ	С	Ε	С	Α	Ν	Α	D	U													Γ	
SOUTHERN FLOUNDER	Р	Α	R	Α	L	ı	С	L	Е	Т	Η	0	S														
SUMMER FLOUNDER	Р	Α	R	Α	L	ı	С	D	Ε	Ν	Т	Α	Т														
KING M ACKEREL	S	С	О	М	В	Е	R	С	Α	٧	Α	L	L									1					1
SPANISHMACKEREL	S	С	0	М	В	Е	_		Α	С	U	L	Α									1					T
SCUP	S	Т	Е	N	0	Т	0	С	Н	R	Υ	S	0														T
GAG	М	Υ	С	Т	Ε	R	0		ı	С	R	0	L									1	Ī				T
BLACK SEABASS	С	Е	Ν	Т	R	0	Р	S	Т	R	ı	Α	Т									1	T				1
BANKSEABASS	С	Е	Ν	Т	R	0	Р	О	С	Υ	U	R	О														1
ROCK SEABASS	С	Е	Ν	Т	R	0	Р	Р	Н	ı	L	Α	D									1					T
FLORIDA POMPANO	Т	R	Α	С	Н	1	N		Α	R	0	L	_							<u> </u>		1	T		H		T
BLUEFISH	Р	0	М	Α	Т	0	М		Α	L	Т	Α	Т									T			H		T
STURGEON	Α	С	-	Р	E	N	S													<u> </u>		+	T		H		T
OTHER FINFISH-GROUPED	Р	Ī	S	С	E	S	ŕ										1					T	T		H		t
DEBRIS	D	E	В	R	_	S	T										1					+	T		H		t
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# SPECIES CHARACTERIZATION FORM - MODIFIED SOUTH ATLANTIC ROCK SHRIMP

																		1									
ORG PRO TRIP NO.			VI	ESSI	EL			T	ow	NUI	MBE	R			Ν	ET F	POS	ı ITIO	N		C	ontro	I (C)	or Exp	erime	ntal (E	Ξ)
COMMON NAME			G	ENL	JS					SPE	CLES	5		N	NUIV	1BEI	R	SAN	/PL	E WE	IGHT	(kg)	SEI	_EC1	WEI	GHT	(kg)
ROCK SHRIM P	S	ı	С	Υ	0	Ν	ı																				
ROCK SHRIM P CULL	S	ı	С	Υ	0	Ν	ı	D	ı	S	С	Α	R														
BROWN SHRIMP	F	Α	R	F	Α	Ν	Т	Α	Z	Т	Ε	С	U														
WHITE SHRIM P	L	ı	Т	0	Р	Ε	Ν	S	Ε	Т	1	F	Е														
PINK SHRIM P	F	Α	R	F	Α	Ν	Т	D	U	О	R	Α	R														
PENAEUS DISCARD	Р	Ε	Ν	Α	Ε	U	S	D	1	S	С	Α	R														
IRIDESCENT SWIMMING CRAB	Р	0	R	Т	J	Ν	U	G	Ι	В	В	Е	S														
LONGSPINE SWIMMING CRAB	Р	0	R	Т	J	Ν	U	S	Р	1	Ν	1	С														
CRABS, LOBSTERS, ETC.	С	R	U	S	Т	Α	С										1										
OTHER INVERTEBRATES	1	Ν	٧	Ε	R	Т	Ε										1										
DUSKY FLOUNDER	S	Υ	Α	С	ı	С	Μ	Р	Α	Р	_	L	L													$\Box$	
INSHORE LIZARDFISH	S	Υ	Ν	0	D	С	S	F	0	Ε	Т	Ε	Ν													$\Box$	
SHAD	Α	L	0	S	Α																						
SPINNER SHARK	С	Α	R	С	Н	Α	R	В	R	Е	٧	Ι	Р													[ ]	
SILKY SHARK	С	Α	R	С	Н	Α	R	F	Α	L	С	1	F														
FINETOOH SHARK	С	Α	R	С	Н	Α	R	ı	S	0	D	0	Ν														
BLACKTIP SHARK	С	Α	R	С	Н	Α	R	L	ı	М	В	Α	Т														
ATLANTIC SHARPNOSE SHARK	R	Н	ı	Z	0	Р	ı	Т	Ε	R	R	Α	Ε														
BONNETHEAD SHARK	S	Р	Н	Υ	R	Ν	Α	Т	Ι	В	U	R	0														
SM OOTH DOGFISH SHARK	М	U	S	Т	Ε	L	U	С	Α	Ν	1	S															
SCALLOPED HAMMERHEAD SHARK	S	Р	Н	Υ	R	Ν	Α	L	Ε	W	1	Ν	1														
OTHER SHARKS NOT LISTED	С	Α	R	С	Н	Α	R																				
SPOTTED SEATROUT	С	Υ	Ν	0	S	С	ı	Ν	Е	В	U	L	0														
SILVER SEATROUT	С	Υ	Ν	0	S	С	ı	Ν	0	Т	Н	υ	S														
WEAKFISH (GRAY TROUT)	С	Υ	Ν	0	S	С	ı	R	Ε	G	Α	L	1														
SEATROUT (GENUS)	С	Υ	Ν	0	S	С	ı																				
SPOT	L	Ε	ı	0	S	Т	0	Х	Α	Ν	Т	Н	U														
ATLANTIC CROAKER	М	Ι	С	R	0	Р	0	U	Ν	D	U	L	Α														
SOUTHERN KINGFISH	М	Ε	Ν	Т	ı	С	1	Α	М	Ε	R	ı	С														
NORTHERN KINGFISH	М	Ε	Ν	Т	ı	С	ı	S	Α	Х	Α	Т	I														
RED DRUM	S	С	I	Α	Ε	Ν	0	0	С	Е	L	L	Α														
BLACK DRUM	Р	0	G	0	Ν	ı	Α	С	R	0	М	1	S														
COBIA	R	Α	С	Н	Υ	С	Е	С	Α	Ν	Α	D	U														
SOUTHERN FLOUNDER	Р	Α	R	Α	L	I	С	L	Ε	Т	Н	0	S														
SUMMER FLOUNDER	Р	Α	R	Α	L	I	С	D	Ε	Ν	Т	Α	Т														
KING MACKEREL	S	С	0	М	В	Ε	R	С	Α	٧	Α	L	L														
SPANISHMACKEREL	S	С	0	М	В	Е	R	М	Α	С	U	L	Α														
SCUP	S	Т	Е	N	0	Т	0	С	Н	R	Υ	S	0														
GAG	М	Υ	С	Т	Е	R	0	М	ı	С	R	0	L														
BLACK SEABASS	С	Ε	Ν	Т	R	0	Р	S	Т	R	I	Α	Т														
BANK SEABASS	С	Ε	Ν	Т	R	0	Р	0	С	Υ	U	R	0														
ROCK SEABASS	С	Ε	Ν	Т	R	0	Р	Р	Н	Ι	L	Α	D														
FLORIDA POMPANO	Т	R	Α	С	Н	I	N	С	Α	R	0	L	1														
BLUEFISH	Р	0	М	Α	Т	0	М	S	Α	L	Т	Α	Т														
STURGEON	Α	С	ī	Р	Е	Ν	S																				
OTHER FINFISH-GROUPED	Р	I	S	С	Е	S											1										
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## SPECIES CHARACTERIZATION FORM

SHRIMP CHARACTERIZATION ORG PRO																										
ORG PRO TRIP NO.	ESSI	EL	]			TOW NUMBER						NET POSITION					Control (C) or Experimental (E)									
COMMON NAME	GENUS								SPE	CIES	5		١	NUM	1BEI	₹	SAMPLE WEIGHT (kg)						ELEC	T W		НТ
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3		+																								
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# LENGTH FREQUENCY FORM (TARGET SPECIES)

#### BRD TESTING PROTOCOL

ORG PRO			BKD IE	SHING	PROT	OCOL					
	TRIP NO.	VESSI	EL	,	TOV NUME	V RFR	PC	NET SITION		ntrol (C eriment	
GENUS		GEN	US				GENL				(-)
							l L				
SPECIES		MEAS.CODE SPEC			. (2.42.4)	MEAS.CODE	SPEC				MEAS.CODE
ſ	LENGTH (MM)	ך		LENGII	1 (MM) 	7			LENGTH (M	11(1)	
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2		-	2			1		2			
3		1	3			1		3	+		
4		-	4			-		4	+ +		
5		-	5			4		5	+		
6		4	6	-		4		6		+	
7		_	7			4		7	+	+	
8		4	8			4		8			
9		_	9	_		4		9			
10		_	10			4		10	$\perp$		
11		_	11			_		11			
12			12			_		12			
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22			22			1		22			
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24		]	24			1		24			
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NU	MBER OF BROKEN		NUMB		BROKEN			NUMB	ER OF BRO		
(L	JNMEASURABLE)		(UNI	∕IEASUI	RABLE)			(UNN	/IEASURAB	LE)	

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