

Appendix A

Coastal Counties Included in Sampling Frame

1 Alabama

Waves 1-2 & 6

3 Baldwin
97 Mobile

Waves 3-5

3 Baldwin
25 Clarke
53 Escambia
97 Mobile
129 Washington**9 Connecticut**

All Waves

1 Fairfield
3 Hartford
5 Litchfield
7 Middlesex
9 New Haven
11 New London
13 Tolland
15 Windham**10 Delaware**

All Waves

1 Kent
3 New Castle
5 Sussex**12 East Florida**

All Waves

3 Baker
7 Bradford
9 Brevard
11 Broward
19 Clay
25 Miami-Dade
31 Duval
35 Flagler
61 Indian River
69 Lake
85 Martin
89 Nassau
93 Okeechobee
95 Orange
97 Osceola
99 Palm Beach
107 Putnam
109 St. Johns
111 St. Lucie
117 Seminole
125 Union
127 Volusia**12 West Florida**

All Waves

1 Alachua
5 Bay
13 Calhoun
15 Charlotte
17 Citrus
21 Collier
23 Columbia
27 De Soto
29 Dixie
33 Escambia
37 Franklin
39 Gadsden
41 Gilchrist
43 Glades
45 Gulf
47 Hamilton
49 Hardee
51 Hendry
53 Hernando
55 Highlands
57 Hillsborough
59 Holmes
63 Jackson
65 Jefferson
67 Lafayette
71 Lee
73 Leon
75 Levy
77 Liberty
79 Madison
81 Manatee
83 Marion
87 Monroe
91 Okaloosa
101 Pasco
103 Pinellas
105 Polk
113 Santa Rosa
115 Sarasota
119 Sumter
121 Suwannee
123 Taylor
129 Wakulla
131 Walton
133 Washington**13 Georgia**

Waves 1-2 & 6

25 Brantley
29 Bryan
39 Camden
49 Charlton
51 Chatham
13 Georgia (cont)
103 Effingham
127 Glynn
179 Liberty
183 Long191 Mc Intosh
305 Wayne

Waves 3-5

1 Appling
25 Brantley
29 Bryan
31 Bulloch
39 Camden
49 Charlton
51 Chatham
103 Effingham
109 Evans
127 Glynn
179 Liberty
183 Long
191 Mc Intosh
229 Pierce
251 Screven
267 Tattnall
299 Ware
305 Wayne**15 Hawaii**

All waves

1 Hawaii
3 Honolulu/Oahu
5 Kalawao
7 Kauai
9 Maui
11 Molokai
13 Lanai**22 Louisiana**

Waves 1-2 & 6

5 Ascension
7 Assumption
19 Calcasieu
23 Cameron
45 Iberia
51 Jefferson
53 Jefferson Davis
55 Lafayette
57 Lafourche
71 Orleans
75 Plaquemines
87 St Bernard
89 St Charles
93 St James
22 Louisiana (cont)
95 St John the
Baptist
99 St Martin
101 St Mary
103 St Tammany
105 Tangipahoa
109 Terrebonne

113 Vermilion	5 Baltimore	13 Merrimack
117 Washington	9 Calvert	15 Rockingham
	11 Caroline	17 Strafford
Waves 3-5	15 Cecil	
1 Acadia	17 Charles	34 New Jersey
3 Allen	19 Dorchester	
5 Ascension	25 Harford	All Waves
7 Assumption	27 Howard	1 Atlantic
11 Beauregard	29 Kent	3 Bergen
19 Calcasieu	31 Montgomery	5 Burlington
23 Cameron	33 Prince Georges	7 Camden
33 East Baton Rouge	35 Queen Annes	9 Cape May
37 East Feliciana	37 St. Marys	11 Cumberland
45 Iberia	39 Somerset	13 Essex
47 Iberville	41 Talbot	15 Gloucester
51 Jefferson	45 Wicomico	17 Hudson
53 Jefferson Davis	47 Worcester	21 Mercer
55 Lafayette	510 Baltimore City	23 Middlesex
57 Lafourche		25 Monmouth
63 Livingston	25 Massachusetts	27 Morris
71 Orleans		29 Ocean
75 Plaquemines	All Waves	31 Passaic
87 St Bernard	1 Barnstable	33 Salem
89 St Charles	5 Bristol	35 Somerset
91 St Helena	7 Dukes	39 Union
93 St James	9 Essex	
95 St John the	17 Middlesex	36 New York
Baptist	19 Nantucket	
97 St Landry	21 Norfolk	All Waves
99 St Martin	23 Plymouth	5 Bronx
101 St Mary	25 Suffolk	47 Kings
103 St Tammany		59 Nassau
105 Tangipahoa	28 Mississippi	61 New York
109 Terrebonne		79 Putnam
113 Vermilion	Waves 1-2 & 6	81 Queens
117 Washington	39 George	85 Richmond
121 West Baton Rouge	45 Hancock	87 Rockland
125 West Feliciana	47 Harrison	103 Suffolk
	59 Jackson	119 Westchester
23 Maine	109 Pearl River	
	131 Stone	
All Waves		
1 Androscoggin	Waves 3B5	37 North Carolina
5 Cumberland	35 Forrest	
9 Hancock	39 George	Waves 1-2 & 6
11 Kennebec	28 Mississippi	13 Beaufort
13 Knox	(cont)	15 Bertie
15 Lincoln		17 Bladen
23 Maine (cont)	41 Greene	19 Brunswick
	45 Hancock	29 Camden
19 Penobscot	47 Harrison	31 Carteret
23 Sagadahoc	59 Jackson	41 Chowan
27 Waldo	109 Pearl River	47 Columbus
29 Washington	111 Perry	49 Craven
31 York	131 Stone	53 Currituck
		55 Dare
24 Maryland	33 New Hampshire	61 Duplin
		65 Edgecombe
All Waves	All Waves	73 Gates
3 Anne Arundel	11 Hillsborough	79 Greene

83	Halifax	139	Pasquotank	67	Marion
91	Hertford	141	Pender	75	Orangeburg
95	Hyde	143	Perquimans	89	Williamsburg
103	Jones	147	Pitt		
107	Lenoir	149	Polk	51	Virginia
117	Martin	153	Richmond	All	Waves
129	New Hanover	155	Robeson	1	Accomack
131	Northampton	163	Sampson	33	Caroline
133	Onslow	165	Scotland	36	Charles City
137	Pamlico	177	Tyrrell	41	Chesterfield
139	Pasquotank	181	Vance	53	Dinwiddie
141	Pender	183	Wake	57	Essex
143	Perquimans	185	Warren	73	Gloucester
147	Pitt	187	Washington	85	Hanover
149	Polk	191	Wayne	87	Henrico
155	Robeson	195	Wilson	93	Isle of Wight
163	Sampson			95	James City
177	Tyrrell	44	Rhode Island	97	King and Queen
187	Washington	All	Waves	99	King George
191	Wayne	1	Bristol	101	King William
195	Wilson	3	Kent	103	Lancaster
		5	Newport	115	Mathews
Waves 3-5		7	Providence	119	Middlesex
13	Beaufort	9	Washington	127	New Kent
15	Bertie			131	Northampton
17	Bladen	45	South Carolina	133	Northumberland
19	Brunswick	Waves 1-2 & 6		149	Prince George
29	Camden	13	Beaufort	153	Prince William
31	Carteret	15	Berkeley	159	Richmond
41	Chowan	19	Charleston	175	Southampton
47	Columbus	29	Colleton	177	Spotsylvania
49	Craven	35	Dorchester	179	Stafford
51	Cumberland	41	Florence	51	Virginia (cont)
53	Currituck	43	Georgetown	181	Surry
55	Dare	45	South Carolina	183	Sussex
61	Duplin	(cont)		193	Westmoreland
63	Durham	49	Hampton	199	York
65	Edgecombe	51	Horry	550	Chesapeake City
69	Franklin	53	Jasper	570	Colonial Heights
37	North Carolina	67	Marion		City
(cont)		89	Williamsburg	630	Fredericksburg
73	Gates	Waves 3-5			City
77	Granville	5	Allendale	650	Hampton City
79	Greene	9	Bamberg	670	Hopewell City
83	Halifax	13	Beaufort	700	Newport News City
85	Harnett	15	Berkeley	710	Norfolk City
91	Hertford	19	Charleston	730	Petersburg City
93	Hoke	27	Clarendon	735	Poquoson
95	Hyde	29	Colleton	740	Portsmouth City
101	Johnston	33	Dillon	760	Richmond City
103	Jones	35	Dorchester	800	Suffolk City
107	Lenoir	41	Florence	810	Virginia Beach
117	Martin	43	Georgetown		City
125	Moore	49	Hampton	830	Williamsburg City
127	Nash	51	Horry		
129	New Hanover	53	Jasper	72	Puerto Rico
131	Northampton			All	Waves
133	Onslow				
137	Pamlico				

1	Adjuntas	121	Sabana Grande
3	Aguada	123	Salinas
5	Aguadilla	125	San German
7	Aguas Buenas	127	San Juan
9	Aibonito	129	San Lorenzo
11	Anasco	131	San Sebastian
13	Arecibo	133	Santa Isabel
15	Arroyo	135	Toa Alta
17	Barceloneta	137	Toa Baja
19	Barranquitas	139	Trujillo Alto
21	Bayamon	141	Utua
23	Cabo Rojo	143	Vega Alta
25	Caguas	145	Vega Baja
27	Camuy	147	Vieques
29	Canovanas	149	Villalba
31	Carolina	151	Yabucoa
33	Catano	153	Yauco
35	Cayey		
37	Ceiba		
39	Ciales		
41	Cidra		
43	Coamo		
45	Comerio		
47	Corozal		
49	Culebra		
51	Dorado		
53	Fajardo		
54	Florida		
55	Guanica		
57	Guayama		
59	Guayanilla		
61	Guaynabo		
63	Gurabo		
65	Hatillo		
67	Hormigueros		
69	Humacao		
71	Isabela		
73	Jayuya		
75	Juana Diaz		
77	Juncos		
79	Lajas		
81	Lares		
83	Las Marias		
85	Las Piedras		
87	Loiza		
89	Luquillo		
91	Manati		
93	Maricao		
95	Maunabo		
97	Mayaguez		
99	Moca		
101	Morovis		
103	Naguabo		
105	Naranjito		
107	Orocovis		
109	Patillas		
111	Penuelas		
113	Ponce		
115	Quebradillas		
117	Rincon		
119	Rio Grande		

Appendix B
Coastal Counties with
Saltwater Access

State	st	sub_reg	county	County_name	PR access	SH access	P/C access
Alabama	1	7	3	Baldwin	1	1	1
Alabama	1	7	25	Clarke	4	4	4
Alabama	1	7	35	Conecuh	4	4	4
Alabama	1	7	39	Covington	4	4	4
Alabama	1	7	53	Escambia	4	4	4
Alabama	1	7	61	Geneva	4	4	4
Alabama	1	7	97	Mobile	1	1	1
Alabama	1	7	99	Monroe	4	4	4
Alabama	1	7	129	Washington	4	4	4
California	6	2	1	Alameda	1	1	1
California	6	2	13	Contra Costa	1	1	1
California	6	2	15	Del Norte	1	1	1
California	6	2	23	Humboldt	1	1	1
California	6	1	37	Los Angeles	1	1	1
California	6	2	41	Marin	1	1	1
California	6	2	45	Mendocino	1	1	1
California	6	2	53	Monterey	1	1	1
California	6	2	55	Napa	3	4	3
California	6	1	59	Orange	1	1	1
California	6	1	65	Riverside	4	4	4
California	6	2	67	Sacramento	3	4	3
California	6	2	69	San Benito	4	4	4
California	6	1	71	San Bernardino	4	4	4
California	6	1	73	San Diego	1	1	1
California	6	2	75	San Francisco	1	1	1
California	6	2	77	San Joaquin	3	4	3
California	6	2	79	San Luis Obispo	1	1	1
California	6	2	81	San Mateo	1	1	1
California	6	1	83	Santa Barbara	1	1	1
California	6	2	85	Santa Clara	1	1	1
California	6	2	87	Santa Cruz	1	1	1
California	6	2	95	Solano	1	1	1
California	6	2	97	Sonoma	1	1	1
California	6	2	105	Trinity	4	4	4
California	6	1	111	Ventura	1	1	1
California	6	2	113	Yolo	4	4	4
Connecticut	9	4	1	Fairfield	1	1	1
Connecticut	9	4	3	Hartford	3	4	3
Connecticut	9	4	5	Litchfield	4	4	4
Connecticut	9	4	7	Middlesex	1	1	1
Connecticut	9	4	9	New Haven	1	1	1
Connecticut	9	4	11	New London	1	1	1
Connecticut	9	4	13	Tolland	4	4	4
Connecticut	9	4	15	Windham	4	4	4
Delaware	10	5	1	Kent	1	1	1
Delaware	10	5	3	New Castle	1	1	1
Delaware	10	5	5	Sussex	1	1	1
Florida	12		1	Alachua	4	4	4
Florida	12		3	Baker	4	4	4
Florida	12		5	Bay	1	1	1

Florida	12	7 Bradford	4	4	4
Florida	12	9 Brevard	1	1	1
Florida	12	11 Broward	1	1	1
Florida	12	13 Calhoun	4	4	4
Florida	12	15 Charlotte	1	1	1
Florida	12	17 Citrus	1	1	1
Florida	12	19 Clay	3	4	3
Florida	12	21 Collier	1	1	1
Florida	12	23 Columbia	4	4	4
Florida	12	25 Dade	1	1	1
Florida	12	27 De Soto	3	4	3
Florida	12	29 Dixie	1	1	1
Florida	12	31 Duval	1	1	1
Florida	12	33 Escambia	1	1	1
Florida	12	35 Flagler	1	1	1
Florida	12	37 Franklin	1	1	1
Florida	12	39 Gadsden	4	4	4
Florida	12	41 Gilchrist	4	4	4
Florida	12	43 Glades	4	4	4
Florida	12	45 Gulf	1	1	1
Florida	12	47 Hamilton	4	4	4
Florida	12	49 Hardee	4	4	4
Florida	12	51 Hendry	4	4	4
Florida	12	53 Hernando	1	1	1
Florida	12	55 Highlands	4	4	4
Florida	12	57 Hillsborough	1	1	1
Florida	12	59 Holmes	4	4	4
Florida	12	61 Indian River	1	1	1
Florida	12	63 Jackson	1	1	1
Florida	12	65 Jefferson	1	1	1
Florida	12	67 Lafayette	4	4	4
Florida	12	69 Lake	4	4	4
Florida	12	71 Lee	1	1	1
Florida	12	73 Leon	4	4	4
Florida	12	75 Levy	1	1	1
Florida	12	77 Liberty	3	4	3
Florida	12	79 Madison	4	4	4
Florida	12	81 Manatee	1	1	1
Florida	12	83 Marion	3	4	3
Florida	12	85 Martin	1	1	1
Florida	12	87 Monroe	1	1	1
Florida	12	89 Nassau	1	1	1
Florida	12	91 Okaloosa	1	1	1
Florida	12	93 Okeechobee	4	4	4
Florida	12	95 Orange	4	4	4
Florida	12	97 Osceola	4	4	4
Florida	12	99 Palm Beach	1	1	1
Florida	12	101 Pasco	1	1	1
Florida	12	103 Pinellas	1	1	1
Florida	12	105 Polk	4	4	4
Florida	12	107 Putnam	4	4	4

Florida	12		109 St. Johns	1	1	1
Florida	12		111 St. Lucie	1	1	1
Florida	12		113 Santa Rosa	1	1	1
Florida	12		115 Sarasota	1	1	1
Florida	12		117 Seminole	4	4	4
Florida	12		119 Sumter	4	4	4
Florida	12		121 Suwannee	4	4	4
Florida	12		123 Taylor	1	1	1
Florida	12		125 Union	4	4	4
Florida	12		127 Volusia	1	1	1
Florida	12		129 Wakulla	1	1	1
Florida	12		131 Walton	1	1	1
Florida	12		133 Washington	3	4	3
Georgia	13	6	1 Appling	4	4	4
Georgia	13	6	25 Brantley	3	4	3
Georgia	13	6	29 Bryan	1	1	1
Georgia	13	6	31 Bulloch	4	4	4
Georgia	13	6	39 Camden	1	1	1
Georgia	13	6	49 Charlton	3	4	3
Georgia	13	6	51 Chatham	1	1	1
Georgia	13	6	103 Effingham	3	4	3
Georgia	13	6	109 Evans	4	4	4
Georgia	13	6	127 Glynn	1	1	1
Georgia	13	6	179 Liberty	1	1	1
Georgia	13	6	183 Long	3	4	3
Georgia	13	6	191 McIntosh	1	1	1
Georgia	13	6	229 Pierce	4	4	4
Georgia	13	6	251 Screven	4	4	4
Georgia	13	6	267 Tattnall	4	4	4
Georgia	13	6	299 Ware	4	4	4
Georgia	13	6	305 Wayne	3	4	3
Hawaii	15	8	1 Hawaii	1	1	1
Hawaii	15	8	3 Honolulu	1	1	1
Hawaii	15	8	5 Kalawao	1	1	1
Hawaii	15	8	7 Kauai	1	1	1
Hawaii	15	8	9 Maui	1	1	1
Louisiana	22	7	1 Acadia	3	4	3
Louisiana	22	7	3 Allen	4	4	4
Louisiana	22	7	5 Ascension	3	4	3
Louisiana	22	7	7 Assumption	1	1	1
Louisiana	22	7	11 Beauregard	4	4	4
Louisiana	22	7	19 Calcasieu	1	1	1
Louisiana	22	7	23 Cameron	1	1	1
Louisiana	22	7	33 East Baton Rouge	4	4	4
Louisiana	22	7	37 East Feliciana	4	4	4
Louisiana	22	7	45 Iberia	1	1	1
Louisiana	22	7	47 Iberville	1	1	1
Louisiana	22	7	51 Jefferson	1	1	1
Louisiana	22	7	53 Jefferson Davis	1	1	1
Louisiana	22	7	55 Lafayette	4	4	4
Louisiana	22	7	57 Lafourche	1	1	1

Louisiana	22	7	63 Livingston	1	1	1
Louisiana	22	7	71 Orleans	1	1	1
Louisiana	22	7	75 Plaquemines	1	1	1
Louisiana	22	7	87 St. Bernard	1	1	1
Louisiana	22	7	89 St. Charles	1	1	1
Louisiana	22	7	91 St. Helena	4	4	4
Louisiana	22	7	93 St. James	1	1	1
Louisiana	22	7	95 St. John the Baptis	1	1	1
Louisiana	22	7	97 St. Landry	4	4	4
Louisiana	22	7	99 St. Martin	1	1	1
Louisiana	22	7	101 St. Mary	1	1	1
Louisiana	22	7	103 St. Tammany	1	1	1
Louisiana	22	7	105 Tangipahoa	1	1	1
Louisiana	22	7	109 Terrebonne	1	1	1
Louisiana	22	7	113 Vermilion	1	1	1
Louisiana	22	7	117 Washington	4	4	4
Louisiana	22	7	121 West Baton Rouge	4	4	4
Louisiana	22	7	125 West Feliciana	4	4	4
Maine	23	4	1 Androscoggin	4	4	4
Maine	23	4	5 Cumberland	1	1	1
Maine	23	4	9 Hancock	1	1	1
Maine	23	4	11 Kennebec	1	1	1
Maine	23	4	13 Knox	1	1	1
Maine	23	4	15 Lincoln	1	1	1
Maine	23	4	19 Penobscot	1	1	1
Maine	23	4	23 Sagadahoc	1	1	1
Maine	23	4	27 Waldo	1	1	1
Maine	23	4	29 Washington	1	1	1
Maine	23	4	31 York	1	1	1
Maryland	24	5	3 Anne Arundel	1	1	1
Maryland	24	5	5 Baltimore	1	1	1
Maryland	24	5	9 Calvert	1	1	1
Maryland	24	5	11 Caroline	3	4	3
Maryland	24	5	15 Cecil	1	1	1
Maryland	24	5	17 Charles	1	1	1
Maryland	24	5	19 Dorchester	1	1	1
Maryland	24	5	25 Harford	1	1	1
Maryland	24	5	27 Howard	4	4	4
Maryland	24	5	29 Kent	1	1	1
Maryland	24	5	31 Montgomery	3	4	3
Maryland	24	5	33 Prince Georges	3	4	3
Maryland	24	5	35 Queen Annes	1	1	1
Maryland	24	5	37 St. Marys	1	1	1
Maryland	24	5	39 Somerset	1	1	1
Maryland	24	5	41 Talbot	1	1	1
Maryland	24	5	45 Wicomico	1	1	1
Maryland	24	5	47 Worcester	1	1	1
Maryland	24	5	510 Baltimore City	1	1	1
Massachusetts	25	4	1 Barnstable	1	1	1
Massachusetts	25	4	5 Bristol	1	1	1
Massachusetts	25	4	7 Dukes	1	1	1

Massachusetts	25	4	9 Essex	1	1	1
Massachusetts	25	4	17 Middlesex	1	1	1
Massachusetts	25	4	19 Nantucket	1	1	1
Massachusetts	25	4	21 Norfolk	1	1	1
Massachusetts	25	4	23 Plymouth	1	1	1
Massachusetts	25	4	25 Suffolk	1	1	1
Mississippi	28	7	5 Amite	4	4	4
Mississippi	28	7	35 Forrest	4	4	4
Mississippi	28	7	39 George	4	4	4
Mississippi	28	7	41 Greene	4	4	4
Mississippi	28	7	45 Hancock	1	1	1
Mississippi	28	7	47 Harrison	1	1	1
Mississippi	28	7	59 Jackson	1	1	1
Mississippi	28	7	109 Pearl River	3	4	3
Mississippi	28	7	111 Perry	4	4	4
Mississippi	28	7	113 Pike	4	4	4
Mississippi	28	7	131 Stone	4	4	4
Mississippi	28	7	147 Walthall	4	4	4
New Hampshire	33	4	11 Hillsborough	4	4	4
New Hampshire	33	4	13 Merrimack	4	4	4
New Hampshire	33	4	15 Rockingham	1	1	1
New Hampshire	33	4	17 Strafford	1	1	1
New Jersey	34	5	1 Atlantic	1	1	1
New Jersey	34	5	3 Bergen	1	1	1
New Jersey	34	5	5 Burlington	3	4	3
New Jersey	34	5	7 Camden	3	4	3
New Jersey	34	5	9 Cape May	1	1	1
New Jersey	34	5	11 Cumberland	1	1	1
New Jersey	34	5	13 Essex	1	1	1
New Jersey	34	5	15 Gloucester	1	1	1
New Jersey	34	5	17 Hudson	1	1	1
New Jersey	34	5	21 Mercer	4	4	4
New Jersey	34	5	23 Middlesex	1	1	1
New Jersey	34	5	25 Monmouth	1	1	1
New Jersey	34	5	27 Morris	4	4	4
New Jersey	34	5	29 Ocean	1	1	1
New Jersey	34	5	31 Passaic	4	4	4
New Jersey	34	5	33 Salem	1	1	1
New Jersey	34	5	35 Somerset	4	4	4
New Jersey	34	5	39 Union	1	1	1
New York	36	5	5 Bronx	1	1	1
New York	36	5	47 Kings	1	1	1
New York	36	5	59 Nassau	1	1	1
New York	36	5	61 New York	1	1	1
New York	36	5	79 Putnam	4	4	4
New York	36	5	81 Queens	1	1	1
New York	36	5	85 Richmond	1	1	1
New York	36	5	87 Rockland	3	4	3
New York	36	5	103 Suffolk	1	1	1
New York	36	5	119 Westchester	1	1	1
North Carolina	37	6	13 Beaufort	1	1	1

North Carolina	37	6	15 Bertie	3	4	3
North Carolina	37	6	17 Bladen	4	4	4
North Carolina	37	6	19 Brunswick	1	1	1
North Carolina	37	6	29 Camden	1	1	1
North Carolina	37	6	31 Carteret	1	1	1
North Carolina	37	6	41 Chowan	3	4	3
North Carolina	37	6	47 Columbus	4	4	4
North Carolina	37	6	49 Craven	1	1	1
North Carolina	37	6	51 Cumberland	4	4	4
North Carolina	37	6	53 Currituck	1	1	1
North Carolina	37	6	55 Dare	1	1	1
North Carolina	37	6	61 Duplin	4	4	4
North Carolina	37	6	63 Durham	4	4	4
North Carolina	37	6	65 Edgecombe	4	4	4
North Carolina	37	6	69 Franklin	4	4	4
North Carolina	37	6	73 Gates	4	4	4
North Carolina	37	6	77 Granville	4	4	4
North Carolina	37	6	79 Greene	4	4	4
North Carolina	37	6	83 Halifax	4	4	4
North Carolina	37	6	85 Harnett	4	4	4
North Carolina	37	6	91 Hertford	4	4	4
North Carolina	37	6	93 Hoke	4	4	4
North Carolina	37	6	95 Hyde	1	1	1
North Carolina	37	6	101 Johnston	4	4	4
North Carolina	37	6	103 Jones	3	4	3
North Carolina	37	6	107 Lenoir	4	4	4
North Carolina	37	6	117 Martin	4	4	4
North Carolina	37	6	125 Moore	4	4	4
North Carolina	37	6	127 Nash	4	4	4
North Carolina	37	6	129 New Hanover	1	1	1
North Carolina	37	6	131 Northampton	4	4	4
North Carolina	37	6	133 Onslow	1	1	1
North Carolina	37	6	137 Pamlico	1	1	1
North Carolina	37	6	139 Pasquotank	3	4	3
North Carolina	37	6	141 Pender	1	1	1
North Carolina	37	6	143 Perquimans	3	4	3
North Carolina	37	6	147 Pitt	3	4	3
North Carolina	37	6	153 Richmond	4	4	4
North Carolina	37	6	155 Robeson	4	4	4
North Carolina	37	6	163 Sampson	4	4	4
North Carolina	37	6	165 Scotland	4	4	4
North Carolina	37	6	177 Tyrrell	3	4	3
North Carolina	37	6	181 Vance	4	4	4
North Carolina	37	6	183 Wake	4	4	4
North Carolina	37	6	185 Warren	4	4	4
North Carolina	37	6	187 Washington	3	4	3
North Carolina	37	6	191 Wayne	4	4	4
North Carolina	37	6	195 Wilson	4	4	4
Oregon	41	3	3 Benton	4	4	4
Oregon	41	3	5 Clackamas	4	4	4
Oregon	41	3	7 Clatsop	1	1	1

Oregon	41	3	9 Columbia	3	4	3
Oregon	41	3	11 Coos	1	1	1
Oregon	41	3	15 Curry	1	1	1
Oregon	41	3	19 Douglas	1	1	1
Oregon	41	3	29 Jackson	4	4	4
Oregon	41	3	33 Josephine	4	4	4
Oregon	41	3	39 Lane	1	1	1
Oregon	41	3	41 Lincoln	1	1	1
Oregon	41	3	43 Linn	4	4	4
Oregon	41	3	47 Marion	4	4	4
Oregon	41	3	51 Multnomah	4	4	4
Oregon	41	3	53 Polk	4	4	4
Oregon	41	3	57 Tillamook	1	1	1
Oregon	41	3	67 Washington	4	4	4
Oregon	41	3	71 Yamhill	4	4	4
Pennsylvania	42		11 Berks			
Pennsylvania	42		17 Bucks			
Pennsylvania	42		29 Chester			
Pennsylvania	42		45 Delaware			
Pennsylvania	42		71 Lancaster			
Pennsylvania	42		91 Montgomery			
Pennsylvania	42		101 Philadelphia			
Pennsylvania	42		133 York			
Rhode Island	44	4	1 Bristol	1	1	1
Rhode Island	44	4	3 Kent	1	1	1
Rhode Island	44	4	5 Newport	1	1	1
Rhode Island	44	4	7 Providence	1	1	1
Rhode Island	44	4	9 Washington	1	1	1
South Carolina	45	6	5 Allendale	4	4	4
South Carolina	45	6	9 Bamberg	4	4	4
South Carolina	45	6	13 Beaufort	1	1	1
South Carolina	45	6	15 Berkeley	1	1	1
South Carolina	45	6	19 Charleston	1	1	1
South Carolina	45	6	27 Clarendon	4	4	4
South Carolina	45	6	29 Colleton	1	1	1
South Carolina	45	6	33 Dillon	4	4	4
South Carolina	45	6	35 Dorchester	4	4	4
South Carolina	45	6	41 Florence	4	4	4
South Carolina	45	6	43 Georgetown	1	1	1
South Carolina	45	6	49 Hampton	4	4	4
South Carolina	45	6	51 Horry	1	1	1
South Carolina	45	6	53 Jasper	1	1	1
South Carolina	45	6	67 Marion	3	4	3
South Carolina	45	6	75 Orangeburg	4	4	4
South Carolina	45	6	89 Williamsburg	4	4	4
Texas	48	7	7 Aransas			
Texas	48	7	25 Bee			
Texas	48	7	39 Brazoria			
Texas	48	7	47 Brooks			
Texas	48	7	57 Calhoun			
Texas	48	7	61 Cameron			

Texas	48	7	71 Chambers			
Texas	48	7	89 Colorado			
Texas	48	7	123 De Witt			
Texas	48	7	131 Duval			
Texas	48	7	157 Fort Bend			
Texas	48	7	167 Galveston			
Texas	48	7	175 Goliad			
Texas	48	7	199 Hardin			
Texas	48	7	201 Harris			
Texas	48	7	215 Hidalgo			
Texas	48	7	239 Jackson			
Texas	48	7	241 Jasper			
Texas	48	7	245 Jefferson			
Texas	48	7	247 Jim Hogg			
Texas	48	7	249 Jim Wells			
Texas	48	7	255 Karnes			
Texas	48	7	261 Kenedy			
Texas	48	7	273 Kleberg			
Texas	48	7	285 Lavaca			
Texas	48	7	291 Liberty			
Texas	48	7	297 Live Oak			
Texas	48	7	321 Matagorda			
Texas	48	7	339 Montgomery			
Texas	48	7	351 Newton			
Texas	48	7	355 Nueces			
Texas	48	7	361 Orange			
Texas	48	7	391 Refugio			
Texas	48	7	409 San Patricio			
Texas	48	7	427 Starr			
Texas	48	7	469 Victoria			
Texas	48	7	481 Wharton			
Texas	48	7	489 Willacy			
Virginia	51	5	1 Accomack	1	1	1
Virginia	51	5	13 Arlington	3	4	3
Virginia	51	5	33 Caroline	3	4	3
Virginia	51	5	36 Charles City	3	4	3
Virginia	51	5	37 Charlotte	4	4	4
Virginia	51	5	41 Chesterfield	4	4	4
Virginia	51	5	47 Culpeper	4	4	4
Virginia	51	5	53 Dinwiddie	4	4	4
Virginia	51	5	57 Essex	1	1	1
Virginia	51	5	59 Fairfax	4	4	4
Virginia	51	5	61 Fauquier	4	4	4
Virginia	51	5	73 Gloucester	1	1	1
Virginia	51	5	85 Hanover	4	4	4
Virginia	51	5	87 Henrico	3	4	3
Virginia	51	5	93 Isle of Wright	1	1	1
Virginia	51	5	95 James City	1	1	1
Virginia	51	5	97 King and Queen	1	1	1
Virginia	51	5	99 King George	3	4	3
Virginia	51	5	101 King William	3	4	3

Virginia	51	5	103 Lancaster	1	1	1
Virginia	51	5	115 Mathews	1	1	1
Virginia	51	5	119 Middlesex	1	1	1
Virginia	51	5	127 New Kent	3	4	3
Virginia	51	5	131 Northampton	1	1	1
Virginia	51	5	133 Northumberland	1	1	1
Virginia	51	5	149 Prince George	3	4	3
Virginia	51	5	153 Prince William	3	4	3
Virginia	51	5	159 Richmond	1	1	1
Virginia	51	5	175 Southampton	4	4	4
Virginia	51	5	177 Spotsylvania	4	4	4
Virginia	51	5	179 Stafford	3	4	3
Virginia	51	5	181 Surry	1	1	1
Virginia	51	5	183 Sussex	4	4	4
Virginia	51	5	193 Westmoreland	1	1	1
Virginia	51	5	199 York	1	1	1
Virginia	51	5	510 Alexandria City	3	4	3
Virginia	51	5	550 Chesapeake City	1	1	1
Virginia	51	5	570 Colonial Heights Ci	3	4	3
Virginia	51	5	600 Fairfax City	4	4	4
Virginia	51	5	610 Falls Church City	4	4	4
Virginia	51	5	630 Fredricksburg City	3	4	3
Virginia	51	5	650 Hampton City	1	1	1
Virginia	51	5	670 Hopewell City	3	4	3
Virginia	51	5	683 Manasas City	4	4	4
Virginia	51	5	685 Manasas Park City	4	4	4
Virginia	51	5	700 Newport News City	1	1	1
Virginia	51	5	710 Norfolk City	1	1	1
Virginia	51	5	730 Petersburg City	4	4	4
Virginia	51	5	735 Poquoson City	1	1	1
Virginia	51	5	740 Portsmouth City	1	1	1
Virginia	51	5	760 Richmond City	3	4	3
Virginia	51	5	800 Suffolk City	4	4	4
Virginia	51	5	810 Virginia Beach City	1	1	1
Virginia	51	5	830 Williamsburg City	1	1	1
Washington	53	3	9 Clallam	1	1	1
Washington	53	3	27 Grays Harbor	1	1	1
Washington	53	3	29 Island	1	1	1
Washington	53	3	31 Jefferson	1	1	1
Washington	53	3	33 King	1	1	1
Washington	53	3	35 Kitsap	1	1	1
Washington	53	3	45 Mason	1	1	1
Washington	53	3	49 Pacific	1	1	1
Washington	53	3	53 Pierce	1	1	1
Washington	53	3	55 San Juan	1	1	1
Washington	53	3	57 Skagit	1	1	1
Washington	53	3	61 Snohomish	1	1	1
Washington	53	3	67 Thurston	1	1	1
Washington	53	3	73 Whatcom	1	1	1
Puerto Rico	72	11	600 All Puerto Rico	1	1	1
Virgin Islands	78	11	700 All Virgin Islands	1	1	1

Key:

1 = Direct saltwater access

3 = Possible (but questionable) saltwater access

4 = No (or very unlikely) saltwater access

Appendix C
Privacy Act Statement

PRIVACY ACT STATEMENT

Information collected in the Marine Recreational Fishery Statistics Survey is authorized under the Fish and Wildlife Act of 1956, the Migratory Marine Fish Act of 1959, the Fishery Conservation and Management Act of 1976 and the Sustainable Fisheries Act of 1996. This information will be used in assessing the influence of fishing on fish stocks and in determining future recreational fishing needs.

All information collected will be combined with information provided by other recreational anglers and used only for statistical purposes. Any information which would permit identification of the individual will be held in strictest confidence and will be used only by persons engaged in and for the purpose of the survey.

Participation in this survey is voluntary and there are no penalties for refusing to answer any question. However, your cooperation in obtaining this much needed information is extremely important in order to insure the completeness and accuracy of the statistical results.

Appendix D

CHTS Questionnaire

Household Screening Introduction

The interviewer must briefly state the purpose of the data collection and explain how the respondent's name and phone number were selected for the interview.

Introduction Hello, I'm calling to conduct a survey for the National Marine Fisheries Service of the U.S. Department of Commerce. We are collecting information for use in conservation of coastal resources, and we would appreciate your help with this important study. Before we begin, I want to assure you that your answers will be kept confidential, and this call may be monitored for quality assurance. [As needed: May I please speak with an adult in the household?]

The interviewer must state that the data will remain confidential in accordance with the Privacy Act of 1974, and that the respondent's responses to questions are entirely voluntary. Respondents are not obligated in any way to answer questions that they consider to be an invasion of their privacy.

The survey is being conducted in accordance with the Privacy Act of 1974, therefore you are not obligated to answer any question if you find it to be an invasion of your privacy.

For the CHTS, it may be most efficient to establish the general purpose of the survey before conducting additional screening. Asking the initial household respondent a very generic initial question like "Does anyone in this household go fishing?" accomplishes this goal.

Q1 How many people in this household go fishing?

Q2-Q4 are for sample quality control and are asked of all initial household respondents.

Q2 To help me assign your information to the correct location, is the telephone number I've reached you at located in {restore name from sample} county / parish / island / municipality?

This question verifies the location of the household dialed.

Q3 Is this your permanent residence? [Interviewer prompt if needed: "Where you live at least 6 months out of the year."]

This question verifies that the household contacted is a permanent, year-round residence.

- Q4 How many people in total, including yourself, live in your household?
Please include those people who fish and who don't fish.

This question provides a cross check against the answer to Q1 to ensure that the respondent is not including people other than household members as fishermen.

At this point, if the response to number of fishermen in the household is equal to zero then the questionnaire skips to the final quality control question (gender) and skips the additional marine recreational 2-month and 12-month fishing screeners.

If there are fishermen identified in question 1, the interviewer reads a specific and detailed explanation of the purpose of the survey before asking questions to determine the number of eligible 12-month and 2-month fishermen in the household. This detailed description identifies exactly what type of fishing activity qualifies anglers in the household. Based on this description of recreational fishing, saltwater, and finfish versus shellfish, the initial household respondent should be able to say how many eligible anglers reside in the household.

We want to gather information from people who have been recreational saltwater fishing. Saltwater fishing includes fishing in oceans, sounds, or bays, or in brackish portions of rivers. This does not include fishing in freshwater, or for shellfish, such as crabbing. Recreational fishing means the primary purpose of the fishing is for fun or relaxation, as opposed to providing income from the sale of fish.

- Q5 How many people in your household, including children and adults, have been recreational saltwater fishing in the last 12 months anywhere in the US (including Hawaii and the mainland) or in a US territory?
- Q6 Thinking just about the past 2 months, how many of the people living in your household, including children and adults, have been recreational saltwater fishing in the last 2 months in the US or a US territory?
- Q7 Record gender of respondent.

The interviewer codes the gender of the initial respondent for all fishing and non-fishing households.

At this point, several questions are asked to determine how many of the people living in the household possessed a saltwater fishing license. These questions are only asked in states in which the Angler License Directory Survey (ALDS) is being conducted (NC and LA for 2009).

- Q8 During the past 12 months, did you have a FISHING LICENSE for the state of {restore state of residence}?"
- Q9 {If Q8=NO} During the past 12 months, did anyone in the household have a FISHING LICENSE for the state of {restore state of residence}?"
- Q10 "Was this particular license for Recreational Saltwater Fishing"
- Q11 "Was this license valid between {conditional restore: w1="January, w2=March, w3= May, w4=July, w5= October, w6= December"}12th?"
- Q12 How many members of the household, INCLUDING YOURSELF, were licensed to go saltwater fishing in {restore license state} during the previous two months?"

Finally, for households with eligible 2-month anglers, the initial household respondent is asked to provide a roster of all two-month anglers. If the respondent is reluctant to give names, the interviewer is instructed to ask for identifiers such as mother, father, oldest child, second oldest child, etc..

- Q13 I'd like to ask each person who has been recreational saltwater fishing in the last 2 months a few questions about their fishing trip(s). What are the first names of the people in your household who have been recreational saltwater fishing in the past 2 months?"

Angler Screening

Angler screening questions must be repeated for each new angler interviewed. Screening for each angler introduces the survey, must cover the definitions that establish eligibility (saltwater, finfish, eligible trips), and must paraphrase the privacy act.

Hello, I'm conducting a survey on recreational saltwater fishing for the National Marine Fisheries Service. We want to gather information from people who have been recreational saltwater fishing. Saltwater fishing includes fishing in oceans, sounds, or bays, or in brackish portions of rivers. This does not include fishing in freshwater, or for shellfish, such as crabbing. Recreational fishing means the primary purpose of the fishing is for fun or relaxation, as opposed to providing income from the sale of fish.

I understand that you've been saltwater fishing in the past 2 months. I'd like to ask you a few questions about your most recent fishing trips. All of your answers will be kept confidential, and this survey is voluntary, so you are not required to answer any question that you feel is an invasion of your privacy.

In many cases all the fishermen in the household take all of their trips together. To avoid unnecessary burden and allow more efficient looping, this information is collected at the beginning of trip profiling.

Q1 First, did all of the fishermen in your household take all of their fishing trips together over the last 2 months?

Next, each angler is asked questions to determine if he/she had a saltwater fishing license during the wave. Again, these questions are only asked of anglers in states where the ALDS is being conducted.

Q2 During the past twelve months, did you have a FISHING LICENSE for the state of *{restore state of residence}* ?

Q3 Was this particular license for Recreational Saltwater Fishing?

Q4 Was this license valid between *{Restore Wave Period}*?

Trip Profiling Instructions

All anglers in the household must be interviewed separately about their fishing trips in the last two months. There are exceptions to this rule (see Dialing Procedures, 4.1.1).

Two-Month Trips: The first questions determine the total numbers of days in which the angler took fishing trips in the previous two months. For estimation purposes, it is necessary to separate in-state trips from out-of-state trips.

QT1 On how many days in the past two months, between *{TODAY- days in wave}* AND *{TODAY-1}*, did you (s/he) go recreational saltwater fishing in *{state of residence}* or in a boat launched from *{state of residence}*?

QT2 On how many days in the past two months, between *{TODAY- days in wave}* and *{TODAY-1}*, did you (s/he) go saltwater fishing in any coastal state or territory of the US other than *{ state of residence}* or from a boat launched from another coastal state or territory of the US?

The following questions are then asked for each fishing day (total of QT1 and QT2) in the wave until all trips are profiled.

Date of Trip - Beginning with the most recent trip, the interviewer must record the date (month and day) of the fishing trip. If the respondent cannot recall the exact day of the month, the interviewer should probe for the month, and whether it was a weekday or a weekend day (including holidays). The CATI system should

display allowable dates, and interviewers must have a calendar available to help respondents determine dates.

QT3 [Ask for 1st trip] When did you (s/he) last go saltwater fishing? Or [Ask if not 1st trip] Can you tell me the date of the saltwater fishing trip prior to that one? I have a calendar with me in case we need to look up some of the specific dates.

QT3a [If respondent can't remember the date in Q3, ask] Was that a weekday or weekend?

If an angler cannot recall all the trips within the two month period, the interviewer must note the date they stopped counting. The angler must then be asked to estimate the number of trips in each mode of fishing during the period between their last reported trip date and the beginning of the two month period.

Mode of Trip - There may be more than one fishing trip within a day and all such trips should be profiled. If more than one mode was used during a fishing day, the interviewers should record each mode (shore, private/rental boat or charter/head boat) as a separate trip; however, if a fisherman made 2 outings in the same mode in a day, that only counts as one trip. Interviewers must record a single fishing mode for each trip.

QT4 On that day, did you (he/she) fish from a boat?

If no, skip to QT5 for shore fishing.

QT4a [Ask if Q4 =yes] Was that from a ... [read]

- 1 Party or head boat -- CATEGORY B
- 2 Charter boat -- CATEGORY B
- 3 Private boat -- CATEGORY C
- 4 Rental boat -- CATEGORY C
- 5 Boat - don't know what type -- CATEGORY C

A respondent may choose up to two boat types for the day but the two responses can not be from the same category, i.e. a respondent could choose the following boat mode combinations: (1&3) or (2&3) or (1&4) or (2&4).

If a respondent reports Charter/party fishing, follow-up questions are asked to determine if the respondent is a captain or member of the crew.

Even if the respondent has one or more boat trips, the interviewer must ask if there were any shore trips made that day.

QT5 On that day, did you (he/she) fish from the shore?

or On that day, did you also (he/she) fish from the shore? (If QT4 was “Yes”)

QT5a [Ask if QT5=yes] Was that from a ... [read]

- 1 Pier
- 2 Dock
- 3 Jetty / Breakwater
- 4 Bridge / Causeway
- 5 Other manmade structure
- 6 Bank / Beach

The CATI program should assign a consecutive trip number for each trip by an individual angler.

State of Fishing - Interviewers should record the three digit FIPS code for the state of fishing, or the state where a boat returned. Trips to all coastal states and U.S. territories are eligible, and the CATI system should provide a list of those coastal states. Trips to inland states are not eligible.

QT6 [For boat trips, use:] To what coastal state or US territory did the boat return?

[For shore trips, use:] In what state or U.S. territory were you fishing?
[Prompt as needed with a list of states]

County of Fishing - Interviewers should record the three digit FIPS code for the county of fishing, or the county where the boat returned. A series of follow-up questions may be necessary if the county of fishing is unknown, or an angler reports fishing in a county that does not have saltwater access.

QT7 [For boat trips, use:] To what coastal county/parish/island/municipality did the boat return?

[For shore trips, use:] In what coastal county/parish/island/municipality were you fishing?

Access to Fishing – Anglers are asked how they accessed the water; through a public access site or a privately owned site. A series of follow-up questions are asked to specifically determine the access type.

QT8 Does the public have access to the place from which the boat left, or is it private access?

Time of Return – Anglers are asked to report the time that the fishing trip ended.

QT9 At what time did you stop fishing?

Type of Water Fished - Anglers are asked what type of "water body" they did most of their fishing in during that day's fishing trip. In certain circumstances, follow-up questions may be asked to confirm that fishing was in saltwater, or to identify specific water bodies.

QT10 Was most of your fishing effort that day in the ocean, a sound, a river, a bay or an inlet?

If an angler attempts to terminate an interview before all trips are profiled, the CATI system should allow the interviewer to skip to a section where they can record all remaining trips by mode, if possible, and skip the rest of the trip details.

At the end of each trip profile, the CATI program should loop to the next logical action:

- 1) profile the next most recent fishing day and trips, or
- 2) if all trips are profiled, thank the respondent and either terminate the interview or ask for the next available angler.

At the end of the interview, after all trip information has been collected, a series of questions are asked to determine how many telephone lines service the household. This allows us to determine selection probabilities for each household. Currently, these questions are asked of all households that report fishing and a 10% random sample of non-fishing households.

QP1 Not including cell phones, how many different telephone numbers are there in your home?

QP2 Of these {restore QP1} telephone numbers, how many are never used for talking and instead are always connected to a fax machine or computer modem?

QP3 Of the remaining {restore (QP1-QP2)} telephone numbers, how many are for business use only?

QP4 I calculate that you have {restore QP1-QP2-QP3} residential telephone lines. Does this sound right?

That concludes the questions that I have about your fishing. Thank you very much for your time and assistance.

If there are additional anglers in the household who still need to be interviewed, ask: "Now, may I please speak to: "

If respondent indicates that one or more of the people listed are children, ask current respondent to continue answering the questions based on the child's fishing activities.

Appendix E

CHTS Dataset Variable Descriptions and Codes 2011 – 2012

TYPE 1 RECORD			
Coastal Household Telephone Survey - 2011			
Variable	Type	Description	Values
COMMERCE	NUM	Number of household members who are commercial fishermen. Only recorded for Puerto Rico and the Virgin Islands	98=Don't Know 99=Refused
CNTY_RES	NUM	County or Municipality of residence	FIPS codes
CODENUM	NUM	Household ID number (Unique for each household within a wave)	
FF2	NUM	Number of household members who have fished within the state of residence in the past 2 months (include anglers who were not interviewed, either personally or via proxy - NOTINT_F, NOTINT_R)	
FF12	NUM	Number of household members who have fished in the past 12 months	
NOTINT_F	NUM	Number of 2-month anglers who were not personally interviewed and no proxy data were provided (both in state and out of state).	
NOTINT_O	NUM	Number of 2-month anglers in household who were not personally interviewed due to language or age barrier, but proxy data were provided by another source (both in state and out of state).	
NOTINT_R	NUM	Number of 2-month anglers in household who refused to be interviewed (both in state and out of state).	
NOTINT_U	NUM	Number of 2-month anglers in household who were unavailable to be personally interviewed, but proxy data were provided by another source.	
NUM_INT	NUM	Number of 2-month anglers interviewed (both in state and out of state). Include only those anglers who were personally interviewed. Does not include anglers who were interviewed via proxy.	
OUTLIER	NUM	Indicator - Was the outlier verified.	1=Yes (Outlier was verified) 2=No (Outlier was NOT verified)

OUT_FF	NUM	Number of 2-month out of state anglers. This includes ONLY those anglers in household who fished ALL trips out of state.	
REG_RES	NUM	Region of residence	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
ST_RES	NUM	State of residence	FIPS codes
TOT_2MO	NUM	Total number of anglers in household who fished during the 2-month wave (including both in state and out of state).	
TOT_HH	NUM	Total number of household members (both fishing and non-fishing)	
WAVE	NUM	Wave of survey	1=Jan/Feb 2=March/April 3=May/June 4=July/Aug 5=Sep/Oct 6=Nov/Dec
YEAR	NUM	Year of survey	Format YYYY
HI_ISLND	NUM	Hawaii island of residence	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 998=Don't Know 999=Refused
PHONENUM	CHAR	Phone Number of household	Area code and prefix only, followed by 4 0s. No punctuation. Ex: 5551230000
SAMETRPS	NUM	Indicator - Did all anglers in household take all trips together?	1=Yes 2=No 8=Don't know 9=Refused
NUM_FONS	NUM	Number of residential, landline telephones in household	97=Exit Loop 98=Don't Know 99=Refused
DATE1	CHAR	Date dataset created by contractor	Format YYYYMMDD
REL_DATE	CHAR	Date record released for dialing	Format YYYYMMDD

SUBSIST	NUM	Recreation vs. subsistence fishing (asked in Puerto Rico only)	1=All subsist 2=Most subsist 3=Both 4=Most rec 5=All rec 98=Don't know 99=Refused
LIC_HH	NUM	Indicator -Flag identifying households with anglers who possess a saltwater fishing license This field is only relevant to states in which both the CHTS and ALDS are conducted.	1=Yes 2=No 8=Don't know 9=Refused
LICENSE	NUM	Total number of household members that are licensed to fish in the frame state. This field is only relevant to states in which both the CHTS and ALDS are conducted.	98=Don't Know 99=Refused

TYPE 2 RECORD Coastal Household Telephone Survey - 201%			
Variable	Type	Description	Values
DATE_INT	CHAR	Date of interview	Format YYYYMMDD
RM_DAYS	NUM	Number of remaining trips (number of trips NOT profiled in T3)	.
RM_1	NUM	Indicator - If a respondent expresses the desire to conclude the interview, he or she is asked to provide the number of remaining trips by mode, as well as the state where the majority of trips occurred. RM_1 indicates whether or not the respondent was willing to provide this information.	1=No 2=Yes 8=Don't Know 9=Refused
CODENUM	NUM	Household ID number (Unique for each household within a wave) Every CODENUM in T2 should have a record in T1	
CNTY_RES	NUM	County or Municipality of residence	FIPS codes
ST_RES	NUM	State of residence	FIPS codes
NUM_TRPS	NUM	Initially reported number of trips taken in the last 2 months	98=Don't Know 99=Refused
NUM_IN	NUM	Initially claimed number of instate trips taken in the last 2 months.	98=Don't Know 99=Refused
NUM_OUT	NUM	Initially claimed number of out of state trips taken in the last 2 months.	98=Don't Know 99=Refused
DATE1	CHAR	Date dataset created by contractor	Format YYYYMMDD
TWO_MON	NUM	Indicator - Did angler recall all trips?	1=Yes, ALL trips were recalled and profiled in T3 2=No
RSP_77	NUM	Reason angler did NOT discuss all trips.	1=Can't remember 2=Refused 3=Proxy, don't know 4=At least one trip profiled - Rest of trips for angler are the same as last profiled 5=Angler changed number of trips 6=Appointment scheduled
SOURCE	NUM	Person who provided information (self vs proxy)	1=Angler him/herself 2=Someone else (proxy)
LIC_ANG	NUM	Indicator - Is this angler licensed?	1=Yes 2=No 7=Exit loop 8=Don't Know 9=Refused

REG_RES	NUM	Sub-region of residence	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
FSHRNUM	NUM	Angler number (unique within household within wave)	Should begin with FSHRNUM=1 for each household and go up from there. Ex: A household with 5 anglers profiled in T2 will have through FSHRNUM=5
LANG	NUM	Language survey was conducted in	1=English 2=Spanish
HI_ISLND	NUM	Hawaii island of residence	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 998=Don't Know 999=Refused
HI_FCAT	NUM	Hawaii fisherman category	1=Pure recreational 2=Recreational expense 3=Part-time commercial 4=Full-time commercial
WAVE	NUM	Wave of survey	1=Jan/Feb 2=March/April 3=May/June 4=July/Aug 5=Sep/Oct 6=Nov/Dec
YEAR	NUM	Year of survey	Format YYYYMMDD
RM_PC	NUM	Number of remaining trips in Party/Charter mode	97=Exit Loop 98=Don't Know 99=Refused
RM_PCST	NUM	Primary state of remaining Party/Charter trips.	97=Other state 98=Don't know 99=Refused
RM_PCCTY	NUM	Primary county of remaining Party/Charter trips	997=Exit Loop 998=Don't know 999=Refused
RM_PR	NUM	Number of remaining trips in Private/Rental mode	97=Exit Loop 98=Don't Know 99=Refused
RM_PRST	NUM	Primary state of remaining Private/Rental trips	97=Other state 98=Don't know 99=Refused
RM_PRCTY	NUM	Primary county of remaining Private/Rental trips	997=Exit Loop 998=Don't know 999=Refused

RM_SH	NUM	Number of remaining trips in Shore mode	97=Exit Loop 98=Don't Know 99=Refused
RM_SHST	NUM	Primary state of remaining Shore trips	97=Other state 98=Don't know 99=Refused
RM_SHCTY	NUM	Primary county of remaining Shore trips	997=Exit Loop 998=Don't know 999=Refused
HI_RM_PC	NUM	Primary Hawaii island of remaining Party/Charter trips	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 997=Exit Loop 998=Don't Know 999=Refused
HI_RM_PR	NUM	Primary Hawaii island of remaining Private/Rental trips	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 997=Exit Loop 998=Don't Know 999=Refused
HI_RM_SH	NUM	Primary Hawaii island of remaining Shore trips	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 997=Exit Loop 998=Don't Know 999=Refused
INTVUER	NUM	Interviewer ID (Unique)	

TYPE 3 RECORD			
Coastal Household Telephone Survey - 2011			
Variable	Type	Description	Values
CNTY	NUM	County of fishing (if shore mode) or county where boat landed on return from trip (if boat trip)	FIPS codes 97=Exit loop 98=Don't know 99=Refused
CNTY_RES	NUM	County or Municipality of residence	FIPS codes
CODENUM	NUM	Household ID number (Unique for each household within a wave) Every CODENUM in T3 should have a record in T2 and T1	
FOREIGN	NUM	Indicator - Was this trip in foreign waters?	1=Yes 2=No 7=Exit loop 8=Don't Know 9=Refused
FSHRNUM	NUM	Angler number (unique within household within wave)	Every FSHRNUM within a CODENUM should have a matching FSHRNUM and CODENUM in T2
REG_RES	NUM	Sub-region of residence	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
ST	NUM	State of fishing (if shore mode) or state where boat landed on return from trip (if boat trip)	FIPS codes 97=Exit loop 98=Don't know 99=Refused
ST_RES	NUM	State of residence	FIPS codes
SUB_REG	NUM	Sub-region of fishing (if shore mode) or Sub-region where boat landed on return from trip (if boat trip)	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
TRIP_FLG	NUM	Indicator - Instate trip or out of state trip?	1=In state 2=Out of state 8=Don't know 9=Refused

TRIP_NUM	NUM	Trip number (unique within fshnum)	Should begin with TRIP_NUM=1 for each angler and go up from there. Ex: An angler with 5 trips profiled in T3 will have through TRIP_NUM=5
WAVE	NUM	Wave of survey	1=Jan/Feb 2=March/April 3=May/June 4=July/Aug 5=Sep/Oct 6=Nov/Dec
WEEKEND	NUM	Indicator - Trip on weekday or weekend?	1=Weekend 2=Weekday 8=Don't know 9=Refused
YEAR	NUM	Year of survey	Format YYYYMMDD
POTRIVER	NUM	Indicator - Was this trip downstream from Washington, DC. Only asked if AREA=1 and ST (state of fishing)=24 or 51 (MD or VA).	1=Yes 2=No 7=Exit loop 8=Don't Know 9=Refused
HI_ISLND	NUM	Hawaii island of residence	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 998=Don't Know 999=Refused
HI_TRPCY	NUM	Hawaii Island of fishing (if shore mode) or Hawaii Island where boat landed on return from trip (if boat trip)	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 997=Exit loop 998=Don't Know 999=Refused
HI_SMTH	NUM	Shore fishing method (Hawaii trip only)	1=Rod and Reel (includes pole and line) 2=Netting 3=Spearfishing (scuba or free-diving) 4=Other 7=Exit loop 8=Don't know 9=Refused
HI_FMTH	NUM	Boat fishing method (Hawaii trip only)	1=Trolling 2=Handlining 3=Bottomfishing 4=Casting 5=Netting 6=Spearfishing 7=Other 97=Exit loop 98=Don't know 99=Refused

HI_HMTH	NUM	Handling method (Hawaii trip only)	1=Tuna handling 2=Deepwater bottomfishing 3=Shallow water bottomfishing 4=Other 7=Exit loop 8=Don't know 9=Refused
HI_BMTH	NUM	Bottomfishing method (Hawaii trip only)	1=Deep water 2=Shallow water 3=Both deep and shallow water 4=Other 7=Exit loop 8=Don't know 9=Refused
HI_TARG1	NUM	1ST TARGET RESPONSE; See Attached for Code Descriptions	
HI_TARG2	NUM	2ND TARGET RESPONSE; See Attached for Code Descriptions	
HI_TARG3	NUM	3RD TARGET RESPONSE; See Attached for Code Descriptions	
HI_TARG4	NUM	4TH TARGET RESPONSE; See Attached for Code Descriptions	
HI_SOLD	NUM	Indicator - Was any of catch sold (Hawaii trip only)?	1=Yes 2=No 7=Exit loop 8=Don't Know 9=Refused
AREA_X	NUM	Collapsed area of fishing trip (combine AREA and DIST)	1=Ocean, <= 3 Miles 2=Ocean, > 3 Miles 3=Ocean, <= 10 Miles (West Florida and Puerto Rico only) 4=Ocean, > 10 Miles (West Florida and Puerto Rico only) 5=Inland trip 6=Unknown (Don't know) 9=Refused
AREA	CHAR	Area of fishing trip	1=Ocean/Gulf 2=Sound 3=River 4=Bay 5=Other 6=Unknown (Don't know) 7=Exit loop 9=Refused
DIST	NUM	Distance fished from shore	1=LE (<=) 3 Miles 2=GT (>) 3 Miles 3=LE (<=) 10 Miles (West Florida and Puerto Rico only) 4=GT (>) 10 Miles (West Florida and Puerto Rico only) 7=Exit loop 8=Don't know 9=Refused
HI_SMTHO	CHAR	Other shore fishing method (Hawaii only). Recorded if HI_SMTH=4 (Other).	Recorded verbatim

HI_FMTHO	CHAR	Other boat fishing method (Hawaii only). Recorded if HI_FMTH=7 (Other).	Recorded verbatim
HI_HMTHO	CHAR	Other handling method (Hawaii only). Recorded if HI_HMTH=4 (Other).	Recorded verbatim
HI_BMTHO	CHAR	Other bottomfishing method (Hawaii only). Recorded if HI_BMTH=4 (Other).	Recorded verbatim
HI_TARGO	CHAR	Other target species (Hawaii only)	Recorded verbatim
LAUNCH	NUM	Boat launch site characteristics	1=Public launch ramp (Shore/Beach launch in Hawaii) 2=Public boat slip 3=Moored from public dock 4=Other public launch site 5=Personal res/dock (Private) 6=Private locked gate marina 7=Private property unlocked marina 8=Other private launch site 97=Exit loop 98=Don't know 99=Refused
ACCESS	NUM	Private or public access point	1=Public 2=Private 3=Military 8=Don't know 9=Refused
MODE_F	CHAR	Mode of fishing	0=DK Boat type 1=Pier/Dock 2=Jetty/Breakwater, Breachway 3=Bridge, Causeway 4=Other man-made 5=Beach/Bank 6=Party Boat 7=Charter Boat 8=Private/Rental Boat 9=Don't know 97=Exit loop
MODE_FX	CHAR	Collapsed Mode of fishing; Refer to attached sheet for relationship to MODE_F	1=Man-made shore (NC only) 2=Beach/Bank (NC only) 3=Shore (All states except NC) 4=Party boat (Sub_reg=6 or 7 and Mode_f=6) 5=Charter boat (Sub_reg=6 or 7 and Mode_f=7) 6=Party/Charter boat (Sub_reg=4 or 5 and mode_f=6 or 7) 7=Private/Rental boat
DATE1	CHAR	Date dataset created by contractor	Format YYYYMMDD
DATE_TRP	CHAR	Date of trip	Format: YYYYMMDD (if exact date known) YYYYMM00 (if only know month/year of trip) YYYY0000 (if only know trip was in wave) Note: DO NOT profile trips with date out of range.

NFHO CARD - COASTAL COUNTIES Coastal Household Telephone Survey - 2011			
Variable	Type	Description	Values
ST_RES	NUM	State of residence	FIPS codes
CNTY_RES	NUM	County or Municipality of residence	FIPS codes
HI_ISLND	NUM	Hawaii island of residence	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 998=Don't Know 999=Refused
REG_RES	NUM	Region of residence assigned by contractor	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
HH_NOINT	NUM	Number of households identified as fishing households, but no interviews were completed to confirm.	
NON_FISH	NUM	Number of non-fishing households	
FISHING	NUM	Number of fishing households including those with 0 trips.	
NON_SW	NUM	Number of households initially identified as fishing households, but later identified as freshwater fishing or non-fishing.	
PERCENT	NUM	Percent of households that are fishing households.	PERCENT = (FISHING/TOT_CONT)
FLE_DATE	CHAR	Date dataset created by contractor	Format YYYYMMDD
TOT_CONT	NUM	Total number of completed household interviews.	SAMPLE SIZE = (NON_FISH + FISHING)
WAVE	NUM	Wave of survey	1=Jan/Feb 2=March/April 3=May/June 4=July/Aug 5=Sep/Oct 6=Nov/Dec
YEAR	NUM	Year of survey	Format YYYY
FSHLIC	NUM	Number of households that reported fishing and reported AT LEAST 1 licensed angler	
NFSHLIC	NUM	Number of households that DID NOT report fishing and reported AT LEAST	

		1 licensed angler	
FSHNLIC	NUM	Number of households that reported fishing and reported ZERO licensed anglers	
NFSHNLIC	NUM	Number of households that DID NOT report fishing and reported ZERO licensed angler	
FSHRLIC	NUM	Number of households that reported fishing and did not know or refused to report license status	
NFSHRLIC	NUM	Number of households that DID NOT report fishing and did not know or refused to report license status	
TOT_LIC	NUM	Number of households that reported at least 1 licensed angler.	

PL CARD - NON FISHING HOUSEHOLD - NUMBER OF PHONE LINES Coastal Household Telephone Survey - 201%			
Variable	Type	Description	Values
ST_RES	NUM	State of residence	FIPS codes
CNTY_RES	NUM	County or Municipality of residence	FIPS codes
HI_ISLND	NUM	Hawaii island of residence	1=Hawaii 7=Kauai 9=Maui 991=Honolulu (Oahu) 995=Molokai 996=Lanai 998=Don't Know 999=Refused
REG_RES	NUM	Region of residence assigned by contractor	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
CODENUM	NUM	Household ID number (Unique for each household within a wave)	
NUM_FONS	NUM	Number of residential telephones in household	98=Don't Know 99=Refused
WAVE	NUM	Wave of survey	1=Jan/Feb 2=March/April 3=May/June 4=July/Aug 5=Sep/Oct 6=Nov/Dec
YEAR	NUM	Year of survey	Format YYYY

Appendix F

Non-Disclosure Forms for Staff Handling Confidential Data

FISHERIES STATISTICS AND ECONOMICS DIVISION OFFICE HANDBOOK

PROTECTION OF CONFIDENTIAL FISHERIES STATISTICS

PURPOSE:

This section:

- § prescribes policies and procedures for protecting the confidentiality of data submitted to and collected by the National Oceanic and Atmospheric Administration (NOAA)/National Marine Fisheries Service (NMFS) as authorized or required by law;
- § informs authorized users of their obligations for maintaining the confidentiality of data received by NMFS;
- § provides for operational safeguards to maintain the security of data; and
- § states the penalties provided by law for disclosure of confidential data.

This Order covers all confidential data received, collected, maintained, or used by NMFS.

The NMFS headquarters office with primary interest in confidentiality is F/ST1

POLICY:

For data subject to this Order, it is NMFS policy that:

- § confidential data shall only be disclosed to the public if required by the Freedom of Information Act (FOIA), 5 U.S.C.552, the Privacy Act, 5 U.S.C. 552a, or by court order.
- § Disclosure of data pursuant to a subpoena issued by an agency of competent jurisdiction is a lawful disclosure.
- § Disclosure pursuant to a subpoena must be approved by GC;
- § individual identifiers shall be retained with data, unless the permanent deletion is consistent with the needs of NMFS and good scientific practice [See Section 6.02c];
- § and a notice is required on all report forms requesting data and must comply with 5 U.S.C. 552a(e)(3) and Paperwork Reduction Act requirements in NAO 216-8, Information Collections and Requirements Needing Office of Management and Budget Clearance. [See E.O. 12600 of June 23, 1987, for additional information regarding the rights of submitters to designate commercial confidential data at the time of submission.]

DATA COLLECTION:

To collect data, the Secretary may use Federal employees, contractor employees, or, pursuant to an to an agreement, State employees.

General Requirements

- § Personnel authorized to collect Federal data must maintain all documents containing confidential data in secure facilities; and
- § may not disclose confidential data, whether recorded or not, to anyone not authorized to

receive and handle such data.

Specific Requirements

- § Each Federal or contractor employee collecting or processing confidential data will be required to read, date, and sign a statement of nondisclosure, that affirms the employee's understanding of NMFS obligations with respect to confidential data and the penalties for unauthorized use and disclosure of the data.
- § Upon signature, the employee's name will be placed on record as an "authorized user," and the employee will be issued certification.
- § Data collected by a contractor must be transferred timely to authorized Federal employees; no copies of these data may be retained by the contractor.
- § NMFS may permit contractors to retain aggregated data. A data return clause shall be included in the agreement.
- § All procedures applicable to Federal employees must be followed by contractor employees collecting data with Federal authority.
- § Under agreements with the State, each State data collector collecting confidential data will sign a statement at least as protective as the one signed by Federal employees, which affirms that the signer understands the applicable procedures and regulations and the penalties for unauthorized disclosure.

STATEMENT OF NON DISCLOSURE:

I have read the NOAA Administrative Order on Confidentiality of Statistics and understand its contents.

I will not disclose any data identified as confidential to any person(s), except as directed by the Assistant Administrator for Fisheries. I am fully aware of the civil and criminal penalties for unauthorized disclosure, misuse, or other violation of the confidentiality of such data.

I understand that I may be subject to criminal and civil penalties under provisions of Titles 5 U.S.C. 552 and 18 U.S.C. 1905, which are the primary Federal statutes prohibiting unauthorized disclosure of confidential data. I may also be subject to civil penalties for improper disclosure of data collected under the Magnuson Act or the MMPA.

Name typed, date

Signature

- Affiliation: ___ NMFS
 (Check one) ___ Other Federal
 ___ State
 ___ Council Staff
 ___ Council Member
 ___ Contractor
 ___ Grantee

- Type of Data: ___ Source
 ___ Subregional
 ___ Regional
 ___ Multiregional
 ___ Special

Access Number: _____

Signature
Designated NMFS Official

Appendix G
ALDS Questionnaire

**Angler License Directory Survey
SCREENING QUESTIONNAIRE
Condensed Questionnaire**

Intro Hello. May I please speak with {restore license holder name}?

Intro Hello. I'm calling to conduct a survey for the National Marine Fisheries Service and the Gulf States Marine Fisheries Commission.

[AS NEEDED: May I please speak with an adult in the household?]

We are collecting information for use in conservation of coastal resources and we would appreciate your help with this important study. Before we begin, I want to assure you that your answers will be kept confidential, and this call may be monitored for quality assurance.

Q1 We want to gather information about recreational saltwater fishing. Saltwater fishing includes fishing in oceans, bays, and brackish portions of rivers. This does not include fishing in freshwater, or for shellfish, such as crabbing. Recreational fishing means the primary purpose of the fishing is for fun or relaxation, as opposed to providing income from the sale of fish.

SECTION 1 - INTRODUCTION AND SCREENING

Q2 Our records indicate that you {or restore license holder name if proxy} were/was licensed to fish in {restore license state} during the past 2 months. Is this correct?

Q3 Are any other members of this household licensed to fish in {restore license state}?

Q3A How many members of this household, including yourself, were licensed to go saltwater fishing in {restore license state} during the previous 2 months?

Q4 Have I reached you in {restore state of residence}?

Q5 Have I reached you in {restore county of residence} county?

Q6 Is this your permanent residence?

Q7 How many people in total, including yourself, live in your household?

We want to gather information from people who have been recreational saltwater fishing. Saltwater fishing includes fishing in oceans, sounds, or bays, or in brackish portions of rivers. This does not include fishing in freshwater, or for shellfish, such as crabbing. Recreational fishing means the primary purpose of the fishing is for fun or relaxation, as opposed to providing income from the sale of fish.

Q8 Have you been recreational saltwater fishing in the last 12 months anywhere in the US or in a US territory?

- Q9 Thinking just about the past 2 months, how many people in your household, whether licensed or not, have been recreational saltwater fishing in the last two months in the U.S. or a U.S. Territory?
- Q10 INTERVIEWER: Record gender of respondent
- 1 male
 - 2 female

SECTION 2 - MAIN QUESTIONNAIRE

I'd like to ask each person who has been recreational saltwater fishing in the last 2 months a few questions about their fishing trip(s). What are the first names of the people in your household who have been recreational saltwater fishing in the past 2 months?

Are you one of the people in your household who has been saltwater fishing in the last 2 months?

I'd like to ask you a few questions about your most recent fishing trips. Of course, all of your answers will be kept confidential. This survey is conducted in accordance with the Privacy Act of 1974. You are not required to answer any question that you feel is an intrusion of your privacy.

{LABEL LOOP1_START} – {ANGLER PROFILING STARTS HERE}

- Q11 During the past twelve months, did you have a FISHING LICENSE for the state of *{restore state of residence}* ?
- Q12 Was this particular license for Recreational Saltwater Fishing?
- Q13 Was this license valid between {Restore Wave Period}?
- Q14 *{if state ne HI}*
On how many days in the past two months, between *{restore TODAY-2 Months}* and *{restore TODAY-1}*, did you (s/he) go saltwater fishing in *{restore state}* or in a boat launched from *{restore state}*?
- 1-62 *{record response}*
 - 0 NONE
 - 98 DK
 - 99 REFUSED
- Q15 *{if state ne HI}*
On how many days in the past two months, between *{restore TODAY-2 Months}* and *{restore TODAY-1}*, did you (s/he) go saltwater fishing in any coastal state or territory of the US other than *{restore state}* or from a boat launched from another coastal state or territory of the US?

1-62 {record response}
 0 NONE
 98 DK
 99 REFUSED

{LABEL **TRIPLOOP START**} – {TRIP PROFILING STARTS HERE}

Q16 { if TripUp=0}
 When did you (s/he) last go saltwater fishing? I have a calendar with me in case we need to look up some of the specific dates.

1 {record month}
 99 Refused {skip to LABEL TripLoop End}

{if TripUp >1}
 Can you tell me the date of the **saltwater fishing** trip prior to that one?

1 {record month}
 66 NO MORE TRIPS during time period {Skip to Q38}
 99 Refused {skip to LABEL TripLoop End}

Q17 [INTERVIEWER: record day. If respondent can't remember the day, ask if it was a weekday or weekend. You may prompt for answers by using your calendar]

1 {record day} {range=1 through 31}
 2 If weekday, enter WD {record WD}
 3 If weekend, enter WE {record WE}
 98 If DK, enter DK {record DK}
 99 Refused

Q18 On that day, did you (he/she) fish from a boat?

Q19 {Ask if fished from a boat}

{if state of residence ne HI}
 Was that from a ...

1 Party or head boat -- CATEGORY B
 2 Charter boat -- CATEGORY B
 3 Private boat -- CATEGORY C
 4 Rental boat -- CATEGORY C
 5 Boat - don't know what type -- CATEGORY C
 8 DK
 9 REFUSED

Q20 *{if state of residence ne HI and did NOT take a boat trip}*
On that day, did you (he/she) fish from the shore?

Q21 *{Ask if fished from the shore and state of fishing ne HI}*
Was that from a ...

- 1 Pier
- 2 Dock
- 3 Jetty / Breakwater / Beachway
- 4 Bridge / Causeway
- 5 Other manmade structure
- 6 Bank / Beach
- 8 DK
- 9 REFUSED

Q22 Now I'd like to ask you a series of questions about the {restore mode} trip you (s/he) took on that day.

Q23 Did the boat return to *{restore state}*?

Q24 To what state or US territory did the boat return?

- 1 Alabama
- 2 Alaska
- 6 California
- 9 Connecticut
- 10 Delaware
- 12 Florida
- 13 Georgia
- 15 Hawaii
- 22 Louisiana
- 23 Maine
- 24 Maryland
- 25 Massachusetts
- 28 Mississippi
- 33 New Hampshire
- 34 New Jersey
- 36 New York
- 37 North Carolina
- 41 Oregon
- 44 Rhode Island
- 45 South Carolina
- 48 Texas
- 51 Virginia
- 53 Washington
- 72 Puerto Rico
- 1 Other - inland state or non-US territory

98 DK/R

Q25 To what **coastal** county did your boat return?

1 *{coastal county list displayed}*

99998 DK

99999 R

999 R

Q26 Does the public have access to the place from which the boat left, or is it private access?

1 public has access

2 private access only (the public does not have access)

3 Military [do not read]

7 STOP RECORDING TRIP DETAILS

8 DK

9 R

[INTERVIEWER: type "special" for help with this question]

Q27 *{ask if PubAcc=1}*

Was it a launch ramp, boat slip, dock or mooring, private property unlocked marina or something else?

1 launch ramp

2 boat slip

3 dock or mooring

4 private property unlocked marina

5 something else

7 STOP RECORDING TRIP DETAILS

8 DK

9 R

Q28 *{ask if PrivAcc=1 }*

Was it from a personal residence or dock, a private locked-gate marina, a private property unlocked marina, or something else?

1 personal residence or dock

2 a private locked-gate marina

3 a private property unlocked marina

4 something else

7 STOP RECORDING TRIP DETAILS

8 DK

9 R

Q29 Was most of the boat fishing effort that day in the ocean, sound, river, bay or inlet?

- 1 ocean/ gulf
- 2 sound
- 3 river
- 4 bay
- 5 inlet, including inter-coastal waterways and canals
- 6 other *{specify}*
- 8 DK
- 9 R

AreaX_a1 *{Ask if [Q60a = 1/Ocean,Gulf] AND [State of Return is NOT Puerto Rico or West Florida]}*
 Was most of the fishing less than or greater than THREE miles from shore?

- 1 THREE miles or less from shore
- 2 Greater than THREE miles from shore
- 8 DK
- 9 R

AreaX_a2 *{ Ask if [Q60a = 1/Ocean,Gulf] AND [State of Return is Puerto Rico or West Florida]}*
 Was most of the fishing less than or greater than TEN miles from shore?

- 5 TEN miles or less from shore
- 6 Greater than TEN miles from shore
- 8 DK
- 9 R

Q30 *{Ask if State of Return=CA and CountyReturn_a=San Diego}*
OR {Ask if State of Return=ME and CountyReturn_a=Washington}
OR {Ask if State of Return=WA and CountyReturn_a={Clallam, Watcom, Skagit, or
Snomohmish}}

Did you (s/he) fish in foreign waters **AND RETURN TO A US PORT?**

{LABEL TripLoop End} – {TRIP PROFILING ENDS HERE}

{LABEL 77} – {IF INTERVIEW IS BROKEN OFF}

{IF TripUp>= TotalDays, go to LABEL LANGUAGE}

RM_1 For the remaining {restore number of remaining trips not discussed} days, could you at least please tell me how many times and in what state and county or US territorial island you fished from a party/charter boat, a private/rental boat, and the shore?

- 1 respondent will continue
- 2 need to change number of initial trips *{set change=1}*
- 9 respondent refused *{skip to LABEL LANGUAGE}*

{If change = 0, skip to RM_3}

RM_2 [Record the TOTAL number of days actually fished from *{restore recall period start date}* through *{restore recall period end date}*.]

1 Record response

{If modified number of trips = TripUp, go to LABEL LANGUAGE}

RM_3 Of the remaining trips, how many were in party or charter boats?

1 record response
99 DK/REFUSED

{range is 0 to 62}
{skip to RM_4}

{IF RM_3=0, go to RM_4}

RM_3A In what state or US territory were the majority of your party or charter boat trips?

- 1 Alabama
- 2 Alaska
- 6 California
- 9 Connecticut
- 10 Delaware
- 12 Florida
- 13 Georgia
- 15 Hawaii
- 22 Louisiana
- 23 Maine
- 24 Maryland
- 25 Massachusetts
- 28 Mississippi
- 33 New Hampshire
- 34 New Jersey
- 36 New York
- 37 North Carolina
- 41 Oregon
- 44 Rhode Island
- 45 South Carolina
- 48 Texas
- 51 Virginia
- 53 Washington
- 72 Puerto Rico
- 55 Other - inland state or non-US territory
- 98 DK
- 99 R }

RM_3B

{If RM_3A ne 72,15 or 22} To what county?
{If RM_3A=22} To what parish?
{If RM_3A=72} To what municipality?
{If RM_3A=15} To what island?

1 Display county list for appropriate state
 99998 DK
 99999 REFUSED

RM_4 Of the remaining trips, how many were in private or rental boats?

1 record response *{range is 0 to 62}*
 99 DK/REFUSED *{skip to RM_5}*

{If RM_4=0, go to RM-5}

RM_4A In what state or US territory were the majority of your private or rental boat trips?

- 1 Alabama
- 2 Alaska
- 6 California
- 9 Connecticut
- 10 Delaware
- 12 Florida
- 13 Georgia
- 15 Hawaii
- 22 Louisiana
- 23 Maine
- 24 Maryland
- 25 Massachusetts
- 28 Mississippi
- 33 New Hampshire
- 34 New Jersey
- 36 New York
- 37 North Carolina
- 41 Oregon
- 44 Rhode Island
- 45 South Carolina
- 48 Texas
- 51 Virginia
- 53 Washington
- 72 Puerto Rico
- 55 Other - inland state or non-US territory
- 98 DK
- 99 R

RM_4B

{If RM_4A ne 72,15 or 22} To what county?
{If RM_4A=22} To what parish?
{If RM_4A=72} To what municipality?
{If RM_4A=15} To what island?

1 Display county list for appropriate state
 99998 DK
 99999 REFUSED

RM_5 Of the remaining trips, how many were from the shore?

1 record response *{range is 0 to 62}*
 99 DK/REFUSED *{skip to RM_END}*

{If RM_5=0, go to RM_END}

RM_5A In what state or US territory did you do the majority of your shore fishing?

1 Alabama
 2 Alaska
 6 California
 9 Connecticut
 10 Delaware
 12 Florida
 13 Georgia
 15 Hawaii
 22 Louisiana
 23 Maine
 24 Maryland
 25 Massachusetts
 28 Mississippi
 33 New Hampshire
 34 New Jersey
 36 New York
 37 North Carolina
 41 Oregon
 44 Rhode Island
 45 South Carolina
 48 Texas
 51 Virginia
 53 Washington
 72 Puerto Rico
 55 Other - inland state or non-US territory
 98 DK
 99 R}

RM_5B:

{If RM_5A ne 72,15 or 22} To what county?
{If RM_5A=22} To what parish?
{If RM_5A=72} To what municipality?
{If RM_5A=15} To what island?

1 Display county list for appropriate state
99998 DK
99999 REFUSED}

{LABEL RM_END}

{LABEL LANGUAGE}

Q31 [INTERVIEWER: Record language of this survey]
1 English
2 Spanish

{LABEL Loop1-End} – {ANGLER PROFILING ENDS HERE}

{LABEL CLOSING}

{LABEL X1}

Thank you for your assistance. That concludes this survey. Have a good day/night.

Appendix H

ALDS Dataset Variable Descriptions and Codes

.....201%!&\$%&

TYPE 1 RECORD Angler License Directory Survey - 2011			
Variable	Type	Description	Values
STATE	NUM	State in which the sampled unit is licensed (License state/frame state)	FIPS codes
CNTY_RES	NUM	County or municipality of residence	FIPS codes (When state of residence = license state and coastal) 0=out-of-state 996=non-coastal in-state 998=instate in an unknown county
CODENUM	NUM	Household ID number (Unique for each household within a wave)	
FFL2	NUM	Number of anglers who have fished in the licensed state during the past 2 months	(Calculated using trip profiles)
FF12	NUM	Number of household members who have fished in the past 12 months	
NUM_INT	NUM	Number of 2-month anglers interviewed.	Include only those anglers interviewed directly, proxy NOT included here
OUTLIER	NUM	Indicator - Was the outlier verified.	1=Yes (Outlier was verified) 2=No (Outlier was NOT verified)
OUTL_FF	NUM	Number of anglers in household that fished in a state other than the license state during the previous 2 months	(calculated using trip profiles)
REG_RES	NUM	Region of residence	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands 99=Unspecified out-of-state
ST_RES	NUM	State of residence	FIPS codes 99=Unspecified out-of-state
STRATUM	NUM	SAMPLE STRATUM TYPE	1=Instate coastal 2=Instate non-coastal (not applicable when state=12/Florida) 3=Out-of-state

			9=Instate, don't know county
TOT_2MO	NUM	Total number of 2-month anglers. Include both instate and out of state anglers.	
TOT_HH	NUM	Total number of people in household. Include both fishing and non-fishing household members.	TOTAL PEOPLE IN HH (FISHING & NON-FISHING)
WAVE	NUM	Wave of survey	1=Jan/Feb 2=March/April 3=May/June 4=July/Aug 5=Sep/Oct 6=Nov/Dec
YEAR	NUM	Year of survey	Format YYYY
PHONENUM	CHAR	Phone Number of household	Area code and prefix only, followed by 4 0s. No punctuation. Ex: 5551230000
SAMETRPS	NUM	Indicator - Did all anglers in household take all trips together?	1=Yes 2=No 7=Exit Loop 8=Don't know 9=Refused
NUM_FONS	NUM	Number of residential telephones in household	97=Exit Loop 98=Don't Know 99=Refused
DATE1	CHAR	Date dataset created by contractor	Format YYYYMMDD
DATE	CHAR	Date of interview	Format YYYYMMDD
STATUS	NUM	STATUS OF INTERVIEW	1=Complete 2=Partial complete (Key items answered) 3=Refusal 4=Language barrier 5=Mid-Interview refusal 7=Unable to contact 8=Ineligible
RESULT	NUM	RESULT OF LAST DIALING ATTEMPT	1=Line busy 2=No answer 3=Answering machine 5=respondent not available 6=Not in service/wrong number 7=Refusal 8=Communication problem 9=Ineligible 10=Successful contact 11=Fax/computer
ATTEMPTS	NUM	Number of attempts made to contact license holder (household)	
INT_ID	NUM	Interviewer ID code (Unique)	

ID_CODE	CHAR	Household ID code	YYYYWSTCODEN (YEAR/WAVE/STFIPS/CODENUM)
LICENSE	NUM	Total number of household members that are licensed to fish in the frame state.	98=Don't Know 99=Refused
CONFIRM	NUM	Indicator - Did sampled unit have fishing license (Confirm response)	1=Yes 2=No 8=Don't know 9=Refused
MATCHED	NUM	Indicator - Was phone number obtained through address matching?	1=Yes 2=No
LIC_HH	NUM	Indicator - Are there any licensed anglers in the household?	1=Yes 2=No 8=Don't know 9=Refused

TYPE 2 RECORD			
Angler License Directory Survey - 2011 - 2012			
<i>Note: Contains all profiled trips. Out of state trips are not deleted.</i>			
Variable	Type	Description	Values
DATE_INT	CHAR	Date of interview	Format YYYYMMDD
RM_DAYS	NUM	Number of remaining trips (number of trips NOT profiled in T3)	
RM_1	NUM	Indicator - If a respondent expresses the desire to conclude the interview, he or she is asked to provide the number of remaining trips by mode, as well as the state where the majority of trips occurred. RM_1 indicates whether or not the respondent was willing to provide this information.	1=No 2=Yes 8=Don't Know 9=Refused
NUM_TRPS	NUM	Initially reported number of trips taken in the last 2 months	98=Don't Know 99=Refused
TWO_MON	NUM	Indicator - Did angler recall all trips?	1=Yes, ALL trips were recalled and profiled in T3 2=No
RSP_77	NUM	Reason angler did NOT discuss all trips.	1=Can't remember 2=Refused 3=Proxy, don't know 4=At least one trip profiled - Rest of trips for angler are the same as last profiled 5=Angler changed number of trips 6=Appointment scheduled
SOURCE	NUM	Person who provided information (self vs proxy)	1=Angler him/herself 2=Someone else (proxy)
FSHRNUM	NUM	Angler number (unique within household within wave)	Should begin with FSHRNUM=1 for each household and go up from there. Ex: A household with 5 anglers profiled in T2 will have through FSHRNUM=5
LANG	NUM	Language survey was conducted in	1=English 2=Spanish
RM_PC	NUM	Number of remaining trips in Party/Charter mode	97=Exit Loop 98=Don't Know 99=Refused
RM_PCST	NUM	Primary state of remaining Party/Charter trips.	97=Other state 98=Don't know 99=Refused
RM_PCCTY	NUM	Primary county of remaining Party/Charter trips	997=Exit Loop 998=Don't know

			999=Refused
RM_PR	NUM	Number of remaining trips in Private/Rental mode	97=Exit Loop 98=Don't Know 99=Refused
RM_PRST	NUM	Primary state of remaining Private/Rental trips	97=Other state 98=Don't know 99=Refused
RM_PRCTY	NUM	Primary county of remaining Private/Rental trips	997=Exit Loop 998=Don't know 999=Refused
RM_SH	NUM	Number of remaining trips in Shore mode	97=Exit Loop 98=Don't Know 99=Refused
RM_SHST	NUM	Primary state of remaining Shore trips	97=Other state 98=Don't know 99=Refused
RM_SHCTY	NUM	Primary county of remaining Shore trips	997=Exit Loop 998=Don't know 999=Refused
INTVUER	NUM	Interviewer ID (Unique)	.
ID_CODE	CHAR	Household ID code	YYYYWSTCODEN (YEAR/WAVE/STFIPS/CODENUM)
FRM_ANG	NUM	Indicator - Was this angler selected from the license frame?	1=Yes 2=No
LIC_ANG	NUM	Indicator - Is this angler licensed?	1=Yes 2=No 7=Exit loop 8=Don't Know 9=Refused

TYPE 3 RECORD Angler License Directory Survey - 2011 - 2012			
Variable	Type	Description	Values
CNTY	NUM	County of fishing (if shore mode) or county where boat landed on return from trip (if boat trip)	FIPS codes 97=Exit loop 98=Don't know 99=Refused
FSHRNUM	NUM	Angler number (unique within household within wave)	Should begin with FSHRNUM=1 for each household and go up from there. Ex: A household with 5 anglers profiled in T2 will have through FSHRNUM=5
ST	NUM	State of fishing (if shore mode) or state where boat landed on return from trip (if boat trip)	FIPS codes 97=Exit loop 98=Don't know 99=Refused
SUB_REG	NUM	Sub-region of fishing (if shore mode) or Sub-region where boat landed on return from trip (if boat trip)	1=Southern California 2=Northern California 3=Oregon & Washington 4=North Atlantic (ME, NH, MA, RI, CT) 5=Mid Atlantic (NY, NJ, DE, MD, VA) 6=South Atlantic (NC, SC, GA, E. FL) 7=Gulf of Mexico (W. FL, MS, AL, LA) 8=Hawaii 9=Inland & Texas 10=Alaska 11=Puerto Rico & Virgin Islands
TRIP_NUM	NUM	Trip number (unique within fshnum)	Should begin with TRIP_NUM=1 for each angler and go up from there. Ex: An angler with 5 trips profiled in T3 will have through TRIP_NUM=5
WEEKEND	NUM	Indicator - Trip on weekday or weekend?	1=Weekend 2=Weekday 8=Don't know 9=Refused
AREA_X	NUM	Collapsed area of fishing trip (combine AREA and DIST)	1=Ocean, <= 3 Miles 2=Ocean, > 3 Miles 3=Ocean, <= 10 Miles (West Florida and Puerto Rico only) 4=Ocean, > 10 Miles (West Florida and Puerto Rico only) 5=Inland trip 6=Unknown (Don't know) 9=Refused
AREA	CHAR	Area of fishing trip	1=Ocean/Gulf 2=Sound 3=River 4=Bay 5=Other 6=Unknown (Don't know)

			7=Exit loop 9=Refused
DIST	NUM	Distance fished from shore	1=LE (<=) 3 Miles 2=GT (>) 3 Miles 3=LE (<=) 10 Miles (West Florida and Puerto Rico only) 4=GT (>) 10 Miles (West Florida and Puerto Rico only) 7=Exit loop 8=Don't know 9=Refused
LAUNCH	NUM	Boat launch site characteristics	1=Public launch ramp (Shore/Beach launch in Hawaii) 2=Public boat slip 3=Moored from public dock 4=Other public launch site 5=Personal res/dock (Private) 6=Private locked gate marina 7=Private property unlocked marina 8=Other private launch site 97=Exit loop 98=Don't know 99=Refused
ACCESS	NUM	Private or public access point	1=Public 2=Private 3=Military 8=Don't know 9=Refused
MODE_F	CHAR	Mode of fishing	0=DK Boat type 1=Pier/Dock 2=Jetty/Breakwater, Breachway 3=Bridge, Causeway 4=Other man-made 5=Beach/Bank 6=Party Boat 7=Charter Boat 8=Private/Rental Boat 9=Don't know 97=Exit loop
MODE_FX	CHAR	Collapsed Mode of fishing; Refer to attached sheet for relationship to MODE_F	1=Man-made shore (NC only) 2=Beach/Bank (NC only) 3=Shore (All states except NC) 4=Party boat (Sub_reg=6 or 7 and Mode_f=6) 5=Charter boat (Sub_reg=6 or 7 and Mode_f=7) 6=Party/Charter boat (Sub_reg=4 or 5 and mode_f=6 or 7) 7=Private/Rental boat

