Appendix A

Coastal Counties Included in Sampling Frame

1	Alabama	1 5	Alachua	191	
Marrag	1-2 & 6	13	Bay Calhoun	305	Wayne
	Baldwin	15	Charlotte	Wave	s 3-5
	Mobile	17	Citrus	1	Appling
		21	Collier	25	Brantley
Waves	3-5	23	Columbia	29	Bryan
3	Baldwin	27	De Soto	31	Bulloch
25	Clarke	29	Dixie	39	Camden
53	Escambia	33	Escambia	49	Charlton
97	Mobile	37	Franklin	51	Chatham
129	Washington	39	Gadsden	103	Effingham
		41	Gilchrist	109	Evans
9	Connecticut	43	Glades	127	Glynn
		45	Gulf	179	Liberty
All W		47	Hamilton	183	Long
	Fairfield	49	Hardee	191	Mc Intosh
	Hartford	51	Hendry	229	Pierce
	Litchfield	53	Hernando	251	Screven
	Middlesex	55	Highlands	267	Tattnall
-	New Haven	57	Hillsborough	299	Ware
	New London	59	Holmes	305	Wayne
-	Tolland	63	Jackson		
15	Windham	65	Jefferson	15	Hawaii
		67	Lafayette		
10	Delaware	71	Lee	All	waves
		73	Leon	1	Hawaii
All W	aves	75	Levy	3	Honolulu/Oahu
1	Kent	77	Liberty	5	Kalawao
3	New Castle	79	Madison	7	Kauai
5	Sussex	81	Manatee	9	Maui
		83	Marion	11	Molokai
12	East Florida	87	Monroe	13	Lanai
		91	Okaloosa		
All W	aves	101	Pasco	22	Louisiana
-	Baker	103	Pinellas		
	Bradford	105	Polk	Wave	s 1-2 & 6
	Brevard	113	Santa Rosa	5	Ascension
	Broward	115 119	Sarasota	7	Assumption
	Clay	121	Sumter	19	Calcasieu
-	Miami-Dade		Cirronnoo	-	
21			Suwannee	23	Cameron
	Duval	123	Taylor	-	Iberia
35	Duval Flagler	123 129	Taylor Wakulla	23 45 51	Iberia Jefferson
35 61	Duval Flagler Indian River	123 129 131	Taylor Wakulla Walton	23 45 51 53	Iberia Jefferson Jefferson Davis
35 61 69	Duval Flagler Indian River Lake	123 129	Taylor Wakulla	23 45 51 53 55	Iberia Jefferson Jefferson Davis Lafayette
35 61 69 85	Duval Flagler Indian River Lake Martin	123 129 131 133	Taylor Wakulla Walton Washington	23 45 51 53 55 57	Iberia Jefferson Jefferson Davis Lafayette Lafourche
35 61 69 85	Duval Flagler Indian River Lake Martin Nassau	123 129 131	Taylor Wakulla Walton	23 45 51 53 55 57 71	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans
35 61 69 85 89 93	Duval Flagler Indian River Lake Martin Nassau Okeechobee	123 129 131 133	Taylor Wakulla Walton Washington Georgia	23 45 51 53 55 57 71 75	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines
35 61 69 85 89 93	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange	123 129 131 133 13 Wave	Taylor Wakulla Walton Washington Georgia s 1-2 & 6	23 45 51 53 55 57 71 75 87	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard
35 61 69 85 89 93 95 97	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola	123 129 131 133 13 Wave 25	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley	23 45 51 53 55 57 71 75 87	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles
35 61 69 85 89 93 95 97	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach	123 129 131 133 13 Wave 25 29	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan	23 45 51 53 55 57 71 75 87 89 93	Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James
35 61 69 85 89 93 95 97 99	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam	123 129 131 133 13 Wave 25 29 39	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden	23 45 51 53 55 57 71 75 87	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles
35 61 69 85 89 93 95 97 99 107 109	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns	123 129 131 133 13 Wave 25 29 39 49	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton	23 45 51 53 55 57 71 75 87 89 93 22	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont)
35 61 69 85 89 93 95 97 99 107 109 111	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie	123 129 131 133 13 Wave 25 29 39 49 51	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton Chatham	23 45 51 53 55 57 71 75 87 89 93	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the
35 61 69 85 89 93 95 97 99 107 109 111 117	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie Seminole	123 129 131 133 13 Wave 25 29 39 49	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton	23 45 51 53 55 57 71 75 87 89 93 22	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the Baptist
35 61 69 85 89 93 95 97 99 107 109 111 117	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie Seminole Union	123 129 131 133 13 Wave 25 29 39 49 51 13	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton Chatham Georgia (cont)	23 45 51 53 55 57 71 75 87 89 93 22 95	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the Baptist St Martin
35 61 69 85 89 93 95 97 99 107 109 111 117 125	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie Seminole Union Volusia	123 129 131 133 13 Wave 25 29 39 49 51 13	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton Chatham Georgia (cont) Effingham	23 45 51 53 55 57 71 75 87 89 93 22 95	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the Baptist St Martin St Mary
35 61 69 85 89 93 95 97 99 107 109 111 117	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie Seminole Union	123 129 131 133 13 Wave 25 29 39 49 51 13	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton Chatham Georgia (cont) Effingham Glynn	23 45 51 53 55 57 71 75 87 89 93 22 95	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the Baptist St Martin St Mary St Tammany
35 61 69 85 89 93 95 97 99 107 109 111 117 125 127	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie Seminole Union Volusia West Florida	123 129 131 133 13 Wave 25 29 39 49 51 13	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton Chatham Georgia (cont) Effingham Glynn Liberty	23 45 51 53 55 57 71 75 87 89 93 22 95	Tberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the Baptist St Martin St Mary St Tammany Tangipahoa
35 61 69 85 89 93 95 97 99 107 109 111 117 125	Duval Flagler Indian River Lake Martin Nassau Okeechobee Orange Osceola Palm Beach Putnam St. Johns St. Lucie Seminole Union Volusia West Florida	123 129 131 133 13 Wave 25 29 39 49 51 13	Taylor Wakulla Walton Washington Georgia s 1-2 & 6 Brantley Bryan Camden Charlton Chatham Georgia (cont) Effingham Glynn	23 45 51 53 55 57 71 75 87 89 93 22 95	Iberia Jefferson Jefferson Davis Lafayette Lafourche Orleans Plaquemines St Bernard St Charles St James Louisiana (cont) St John the Baptist St Martin St Mary St Tammany

113	Vermilion		Baltimore	13	Merrimack
117	Washington		Calvert	15	Rockingham
			Caroline	17	Strafford
	s 3-5		Cecil		
1	Acadia		Charles	34	New Jersey
3	Allen		Dorchester		
5	Ascension		Harford		Waves
7	Assumption		Howard	1	Atlantic
11	Beauregard		Kent	3	Bergen
19	Calcasieu		Montgomery	5	Burlington
23	Cameron		Prince Georges	7	Camden
33	East Baton Rouge		Queen Annes	9	Cape May
37	East Feliciana		St. Marys	11	Cumberland
45	Iberia		Somerset	13	Essex
47	Iberville		Talbot	15	Gloucester
51	Jefferson		Wicomico	17	Hudson
53	Jefferson Davis		Worcester	21	Mercer
55	Lafayette	510	Baltimore City	23	Middlesex
57	Lafourche	0.5		25	Monmouth
63	Livingston	25	Massachusetts	27	Morris
71	Orleans			29	Ocean
75	Plaquemines	All W		31	Passaic
87	St Bernard		Barnstable	33	Salem
89	St Charles		Bristol	35	Somerset
91	St Helena		Dukes	39	Union
93	St James	-	Essex		
95	St John the		Middlesex	36	New York
Bapt			Nantucket		
97	St Landry		Norfolk		Waves
99	St Martin		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		1-2 & 6	81	Queens
117	Washington		George	85	Richmond
121	West Baton Rouge		Hancock	87	Rockland
125	West Feliciana		Harrison	103	
	•		Jackson	119	Westchester
23	Maine		Pearl River		
		131	Stone		
	Waves				
1	Androscoggin	Waves	3B5	37	North Carolina
1 5	Androscoggin Cumberland	Waves 35	3B5 Forrest	37	North Carolina
1 5 9	Androscoggin Cumberland Hancock	Waves 35 39	3B5 Forrest George		North Carolina
1 5 9 11	Androscoggin Cumberland Hancock Kennebec	Waves 35 39 28	3B5 Forrest George Mississippi		
1 5 9 11 13	Androscoggin Cumberland Hancock Kennebec Knox	Waves 35 39	3B5 Forrest George Mississippi	Wave	es 1-2 & 6
1 5 9 11 13 15	Androscoggin Cumberland Hancock Kennebec Knox Lincoln	Waves 35 39 28 :	3B5 Forrest George Mississippi)	Wave 13	es 1-2 & 6 Beaufort
1 5 9 11 13	Androscoggin Cumberland Hancock Kennebec Knox	Waves 35 39 28 (cont	3B5 Forrest George Mississippi) Greene	Wave 13 15 17 19	es 1-2 & 6 Beaufort Bertie
1 5 9 11 13 15 23	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont)	Waves 35 39 28 (cont	3B5 Forrest George Mississippi) Greene Hancock	Wave 13 15 17	es 1-2 & 6 Beaufort Bertie Bladen
1 5 9 11 13 15 23	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot	Waves 35 39 28 (cont 41 45 47	3B5 Forrest George Mississippi) Greene Hancock Harrison	Wave 13 15 17 19	es 1-2 & 6 Beaufort Bertie Bladen Brunswick
1 5 9 11 13 15 23	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc	Waves 35 39 28 (cont 41 45 47 59	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson	Wave 13 15 17 19 29	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden
1 5 9 11 13 15 23 19 23 27	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo	Waves 35 39 28 (cont 41 45 47 59 109	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River	Wave 13 15 17 19 29	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret
1 5 9 11 13 15 23 19 23 27 29	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo Washington	Waves 35 39 28 (cont 41 45 47 59 109 111	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River Perry	Wave 13 15 17 19 29 31 41 47	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan
1 5 9 11 13 15 23 19 23 27	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo	Waves 35 39 28 (cont 41 45 47 59 109 111	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River	Wave 13 15 17 19 29 31 41 47 49	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan Columbus
1 5 9 11 13 15 23 19 23 27 29 31	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo Washington York	Waves 35 39 28 (cont 41 45 47 59 109 111 131	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River Perry Stone	Wave 13 15 17 19 29 31 41 47 49 53	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan Columbus Craven Currituck Dare
1 5 9 11 13 15 23 19 23 27 29	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo Washington	Waves 35 39 28 (cont 41 45 47 59 109 111	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River Perry	Wave 13 15 17 19 29 31 41 47 49 53 55	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan Columbus Craven Currituck Dare Duplin
1 5 9 11 13 15 23 23 27 29 31	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo Washington York Maryland	Waves 35 39 28 (cont 41 45 47 59 109 111 131	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River Perry Stone New Hampshire	Wave 13 15 17 19 29 31 41 47 49 53 55 61 65	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan Columbus Craven Currituck Dare Duplin Edgecombe
1 5 9 11 13 15 23 23 27 29 31 24 All	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo Washington York Maryland Waves	Waves 35 39 28 (cont 41 45 47 59 109 111 131 33	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River Perry Stone New Hampshire aves	Wave 13 15 17 19 29 31 41 47 49 53 55 61 65 73	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan Columbus Craven Currituck Dare Duplin Edgecombe Gates
1 5 9 11 13 15 23 23 27 29 31	Androscoggin Cumberland Hancock Kennebec Knox Lincoln Maine (cont) Penobscot Sagadahoc Waldo Washington York Maryland	Waves 35 39 28 (cont 41 45 47 59 109 111 131 33	3B5 Forrest George Mississippi) Greene Hancock Harrison Jackson Pearl River Perry Stone New Hampshire	Wave 13 15 17 19 29 31 41 47 49 53 55 61 65	es 1-2 & 6 Beaufort Bertie Bladen Brunswick Camden Carteret Chowan Columbus Craven Currituck Dare Duplin Edgecombe

Page A.4

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

- 35 Cayey
- 37 Ceiba
- 39 Ciales
- 41 Cidra
- 43 Coamo
- 45 Comerio
- 47 Corozal
- 49 Culebra
- 51 Dorado
- 53 Fajardo
- 54 Florida

- 54 FIORIDA 55 Guanica 57 Guayama 59 Guayanilla 61 Guaynabo 63 Gurabo

- 65 Hatillo
- 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
- Maunabo 95
- 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

- 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 Utuado
 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

Appendix B Privacy Act Statement

PRIVACY ACT STATEMENT

Information collected in the Marine Recreational Information Program, formerly known as 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 C 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 NOAA Fisheries 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 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 anglers.

At this point, if the response to number of anglers 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 anglers identified in Q1, the interviewer reads a specific and detailed explanation of the purpose of the survey before asking questions to determine the number of eligible 2-month and 12-month anglers 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 past 12 months anywhere in the U.S. (including Hawaii and the mainland) or in a U.S. 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 past 2 months in the U.S. or a U.S. territory?
- Q7. Record gender of respondent.

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

For households with eligible 2-month anglers, the initial household respondent is asked to provide a roster of all 2-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.

Q8. I'd like to ask each person who has been recreational saltwater fishing in the past 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 NOAA Fisheries. 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 of the anglers 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. Did all of the anglers in your household take all of their fishing trips together over the past 2 months?

Trip Profiling Instructions

All anglers in the household must be interviewed separately about their fishing trips in the past two months. There are exceptions to this rule (see Data Collection Protocols, A.1.2 in the Statement of Work).

<u>2-Month Trips:</u> The first questions determine the total number of days in which the angler took fishing trips in the past 2 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 2 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 2 months, between {TODAY days in wave} and {TODAY 1}, did you (s/he) go saltwater fishing in any coastal state or territory of the U.S. other than {state of residence} or from a boat launched from another coastal state or territory of the U.S.?

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

<u>Date of Trip:</u> 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 is unable to remember the date in Q3, ask] Was that a weekday or weekend?

If an angler cannot recall all of the trips within the 2 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 2 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 interviewer should record each mode (shore, private/rental boat or charter/head boat) as a separate trip; however, if an angler made two 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 (s/he) fish from a boat?

If no, skip to QT5 for shore fishing.

QT4a. [Ask if QT4 = 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 cannot 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 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 (s/he) fish from the shore?

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On that day, did you (s/he) also fish from the shore? (If QT4 = 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.

<u>State of Fishing:</u> 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 U.S. 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]

<u>County of Fishing:</u> 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?

<u>Access to Fishing:</u> 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?

<u>Type of Water Fished:</u> 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 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.

Household Telephone Lines

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 selection 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?

Conclusion

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 D

CHTS Dataset Variable Descriptions and Codes 2013

TYPE 1 RECORD Coastal Household Telephone Survey - 2013					
Variable	Туре	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 personnaly 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

		TYPE 2 RECORD Coastal Household Telephone Su	rvey - 2013
Variable	Type	Description	Values
DATE INT	OLIAB	Data of intention	510000/MMDD
DATE_INT RM DAYS	CHAR NUM	Date of interview Number of remaining trips (number of	Format YYYYMMDD
TRIM_BATO	IVOIVI	trips NOT profiled in T3)	·
RM_1	NUM	Indicator - If a respondent expresses	1=No
		the desire to conclude the interview,	2=Yes
		he or she is asked to provide the number of remaining trips by mode, as	8=Don't Know 9=Refused
		well as the state where the majority of	9-Neiuseu
		trips occurred. RM_1 indicates	
		whether or not the respondent was	
		wiling to provide this information.	
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	98=Don't Know
		in the last 2 months	99=Refused
NUM_IN	NUM	Initially claimed number of instate trips	98=Don't Know
		taken in the last 2 months.	99=Refused
NUM_OUT	NUM	Initially claimed number of out of state	98=Don't Know
DATEA	OLIAD	trips taken in the last 2 months.	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
DOD 77	A 11 18 4	D I FINOT F	2=No
RSP_77	NUM	Reason angler did NOT discuss all	1=Can't remember
		trips.	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
0011005	A 11 15 4		6=Appointment scheduled
SOURCE	NUM	Person who provided information (self	1=Angler him/herself
		vs proxy)	2=Someone else (proxy)

DEC 355		0	1 0 11 0 111 1
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	Should begin with FSHRNUM=1 for
		household within wave)	each household and go up from there.
			Ex: A household with 5 anglers profiled
			in T2 will have through FSHRNUM=5
1.4010	N 11 18 4		
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
***	110.00	Trave of carrey	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	97=Exit Loop
_		Party/Charter mode	98=Don't Know
		31,7 0.13.13.11.13.0	99=Refused
RM PCST	NUM	Primary state of remaining	97=Other state
IVINI_F CO I	INUIVI		98=Don't know
		Party/Charter trips.	
			99=Refused
RM_PCCTY	NUM	Primary county of remaining	997=Exit Loop
		Party/Charter trips	998=Don't know
			999=Refused
RM_PR	NUM	Number of remaining trips in	97=Exit Loop
		Private/Rental mode	98=Don't Know
		ato/rtomarmodo	99=Refused
DM DDCT	NII IN A	Drimary state of remaining	97=Other state
RM_PRST	NUM	Primary state of remaining	
		Private/Rental trips	98=Don't know
			99=Refused
RM_PRCTY	NUM	Primary county of remaining	997=Exit Loop
		Private/Rental trips	998=Don't know
			999=Refused
	L		333 11010000

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 Su	rvey - 2013
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

TDID ATTIC	N 11 18 4	Tale and the Continue 10 to C. I.	Objected by the TDID ANDRA 4.5
TRIP_NUM	NUM	Trip number (unique within fshrnum)	Should begin with TRIP_NUM=1 for
			each angler and go up from there. Ex:
			An angler with 5 trips profiled in T3 will
)A/A)/E	A 11 15 4		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	1=Yes
		from Washington, DC. Only asked if	2=No
		AREA=1 and ST (state of fishing)=24 or	7=Exit loop
		51 (MD or VA).	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)	1=Hawaii
		or Hawaii Island where boat landed on	7=Kauai
		return from trip (if boat trip)	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
НІ_ВМТН	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		
		, and the second part of the sec	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	1=Man-made shore (NC only)		
		attached sheet for relationship to	2=Beach/Bank (NC only)		
		MODE_F	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)		
DATE1	CHAR	Data dataset created by contractor	7=Private/Rental boat Format YYYYMMDD		
DATE TRP	CHAR	Date dataset created by contractor	Format:		
DATE_IRP	CHAR	Date of trip	YYYYMMDD (if exact date known)		
			YYYYMM00 (if only know month/year of		
			` ,		
			trip) YYYY0000 (if only know trip was in		
			wave)		
			Note: DO NOT profie trips with date out		
			of range.		
	<u> </u>		or range.		

TIME	NUM	Time of day fishing completed (hour	24 hour clock (no minutes recorded)
		only)	1-24
			-3=Multiday trip
			97=Exit loop
			98=Don't know
			99=Refused

	MODE_FX RECODE									
	SUB-REGION									
MODE_F	1	2	3	4	5	6	7	8	NC**	11
0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	3	3	3	3	3	1	3
2	1	1	1	3	3	3	3	3	1	3
3	1	1	1	3	3	3	3	3	1	3
4	1	1	1	3	3	3	3	3	1	3
5	2	2	2	3	3	3	3	3	2	3
6	6	6	6	6	6	4	4	6	4	4
7	6	6	6	6	6	5	5	6	5	5
8	7	7	7	7	7	7	7	7	7	7
9	9	9	9	9	9	9	9	9	9	9

NFHO CARD - COASTAL COUNTIES Coastal Household Telephone Survey - 2013						
Variable	Туре	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			
DEC DEC	NUM	Pagion of regidence assigned by	999=Refused 1=Southern California			
REG_RES	INOIN	Region of residence assigned by contractor	2=Northern California			
		Contractor	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				
NON FISH	NUM	were completed to confirm. Number of non-fishing households				
FISHING	NUM	Number of fishing households				
1 10111110	INOIN	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	PERCENT = (FISHING/TOT_CONT)			
		households.				
FLE_DATE	CHAR	Date dataset created by contractor	Format YYYYMMDD			
TOT_CONT	NUM	Total number of completed household	SAMPLE SIZE = (NON_FISH +			
\A/A\/E	N 11 15 4	interviews.	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			
		<u> </u>				

PL CARD - NON FISHING HOUSEHOLD - NUMBER OF PHONE LINES Coastal Household Telephone Survey - 2013					
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	1=Southern California		
		contractor	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		
CODENHINA	NII IN A	Household ID number / Unique for	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	98=Don't Know		
NOW_FONS	INOIVI	household	99=Refused		
WAVE	NUM	Wave of survey	1=Jan/Feb		
V V A V L	INOIVI	vvave or survey	2=March/April		
			3=May/June		
			4=July/Aug		
			5=Sep/Oct		
			6=Nov/Dec		
YEAR	NUM	Year of survey	Format YYYY		

APPENDIX E NOAA ADMINISTRATIVE ORDER 216-100

NOAA Administrative Order 216-100

PROTECTION OF CONFIDENTIAL FISHERIES STATISTICS

SECTION 1. PURPOSE.

- .01 This Order:
- a. 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;
- c. provides for operational safeguards to maintain the security of data; and
- d. states the penalties provided by law for disclosure of confidential data.

SECTION 2. SCOPE.

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

SECTION 3. DEFINITIONS.

.01 <u>Access to data</u> means the freedom or ability to use data, conditioned by a statement of nondisclosure and

penalties for unauthorized use.

- .02 <u>Aggregate or summary form</u> means data structured so that the identity of the submitter cannot be determined either from the present release of the data or in combination with other releases.
- .03 <u>Agreement</u> refers to all binding forms of mutual commitment under a stated set of conditions to achieve a specific objective.
- .04 <u>Assistant Administrator</u> means the Assistant Administrator for Fisheries, NOAA, or a designee authorized to have access to confidential data.
- .05 Authorized Use/User.
- a. <u>Authorized use</u> is that specific use authorized under the governing statute, regulation, order, contract or agreement.
- b. An <u>authorized user</u> is any person who, having the need to collect or use confidential data in the performance of an official activity, has read this Order and has signed a statement of nondisclosure affirming the user's understanding of NMFS obligations with respect to confidential data and the penalties for unauthorized use and disclosure.
- .06 Confidential data means data that are identifiable with any person, accepted by the Secretary, and prohibited by law from being disclosed to the public. The term "as used" does not convey data sensitivity for national security purposes [See Executive Order (E.O.) 12356 dated April 2, 1982].
- .07 Data refers to information used as a basis for

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reasoning, discussion, or calculation that a person may submit, either voluntarily or as required by statute or regulation.

- .08 GC means the Office of General Counsel, NOAA.
- .09 <u>Person</u> means any individual (whether or not a citizen or national of the United States), any corporation, partnership, association, or other entity (whether or not organized or existing under the laws of any State), and any Federal, State, local, or foreign government or any entity of such governments, including Regional Fishery Management Councils (Councils).
- .10 <u>Public</u> means any person who is not an authorized user.
- .11 <u>Region</u> means NMFS Regional field offices, Fisheries Science Centers, and associated laboratories.
- .12 <u>Source document</u> means the document, paper, or electronic format on which data are originally recorded.
- .13 <u>State employee</u> means any member of a State agency responsible for developing and monitoring the State's program for fisheries or Marine Mammal Protection Act (MMPA) program.
- .14 <u>Submitter</u> means any person or the agent of any person who provides data to NMFS either voluntarily or as required by statute or regulation.

SECTION 4. POLICY.

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

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- a. 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;
- b. 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
- c. 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.]

SECTION 5. OPERATIONAL RESPONSIBILITIES.

- .01 The Regional Director of each region (or, in the case of headquarters, each Office Director) has the responsibility to maintain the confidentiality of all data collected, maintained, and disclosed by the respective region.
- .02 Each region shall submit to the Assistant Administrator specific procedures governing the collection, maintenance, and disclosure of confidential data. These documents shall be compiled as regional handbooks following the guidelines and standards:
- a. handbooks are to be developed in detail to ensure the

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- maintenance of confidential data on a functional basis in each region; and
- b. handbooks shall be coordinated through the National Data Management Committee (a NMFS group established by the Assistant Administrator to develop data management policies and procedures) and reviewed annually. The regional handbooks will address, at minimum, the contents of Sections 6-7.

SECTION 6. PROCEDURES.

- .01 <u>Data Collection.</u> To collect data, the Secretary may use Federal employees, contractor employees, or, pursuant to an agreement, State employees.
- a. General Requirements.
- Personnel authorized to collect Federal data must maintain all documents containing confidential data in secure facilities; and
- 2. may not disclose confidential data, whether recorded or not, to anyone not authorized to receive and handle such data.
- b. Specific Requirements.
- 1. 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.

- 2. 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.
- 3. 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.

.02 Maintenance.

- a. Maintenance is defined as the procedures required to keep confidential data secure from the time the source documents are received by NMFS to their ultimate disposition, regardless of format. [See National Institute of Standards and Technology "Computer Security Publications, List 91" for guidance.]
- b. Specific procedures in regional handbooks must deal with the following minimum security requirements, as well as any others that may be necessary because of the specific data, equipment, or physical facilities:
- 1. the establishment of an office or person responsible for evaluating requests for access to data;
- 2. the identifications of all persons certified as authorized users. These lists shall be kept current and reviewed on an annual basis;

- 3. the issuance of employee security rules that emphasize the confidential status of certain data and the consequences of unauthorized removal or disclosure;
- 4. the description of the security procedures used to prevent unauthorized access to and/or removal of confidential data;
- 5. the development of a catalog/inventory system of all confidential data received including: the type of source document; the authority under which each item of data was collected; any statutory or regulatory restriction(s) which may apply; and routing from the time of receipt until final disposition; and
- 6. The development of an appropriate coding system for each set of confidential data so that access to data that identifies, or could be used to identify, the person or business of the submitter is controlled by the use of one or more coding system(s). Lists that contain the codes shall be kept secure.
- c. The permanent deletion of individual identifiers from a database shall be addressed on a case-by-case basis. Identifiers may only be deleted after:
- future uses of data have thoroughly been evaluated, e.g., the need for individual landings records for allocating shares under an individual transferable quota program;
- consultation with the agency(s) collecting data (if other than NMFS), the relevant Council(s), and NMFS Senior Scientist; and
- 3. concurrence by the Assistant Administrator has been received prior to deletion.

- .03 Access to Data Subject to This Order.
- a. <u>General Requirements.</u> In determining whether to grant a request for access to confidential data, the following information shall be taken into consideration:
- 1. the specific types of data required;
- 2. the relevance of the data to the intended uses;
- whether access will be continuous, infrequent, or one-time;
- 4. an evaluation of the requester's statement of why aggregate or non-confidential summaries of data would not satisfy the requested needs; and
- 5. the legal framework for the disclosure, in accordance with GC and this Order.
- b. <u>Within NMFS.</u> NMFS employees requesting confidential data must have certification as being authorized users for the particular type of data requested.
- c. <u>Councils.</u> Upon written request by the Council Executive Director:
- "authorized user" status for confidential data collected under the Magnuson Fishery Conservation and Management Act (Magnuson Act) may be granted to a Council for use by the Council for conservation and management purposes consistent with the approval of the Assistant Administrator as described in 50 CFR 603.5;
- 2. "authorized user" status for confidential data, collected

under the Magnuson Act and MMPA, will be granted to Council employees who are responsible for Fishery Management Plan development and monitoring; and

3. Councils that request access to confidential data must submit, on an annual basis, a copy of their procedures for ensuring the confidentiality of data to the region, or in the case of intercouncil fisheries, regions. The procedures will be evaluated for their effectiveness and, if necessary, changes may be recommended. As part of this procedure, an updated statement of nondisclosure will be included for each employee and member who requires access to confidential data.

d. <u>States.</u>

- 1. Requests from States for confidential data shall be directed in writing to the NMFS office that maintains the source data.
- 2. Each request will be processed in accordance with any agreement NMFS may have with the State:
- (a) confidential data collected <u>solely</u> under Federal authority will be provided to a State by NMFS only if the Assistant Administrator finds that the State has authority to protect the confidentiality of the data comparable to, or more stringent than, NMFS' requirements; and
- (b) the State will exercise its authority to limit subsequent access and use of the data to those uses allowed by authorities under which the data was collected.
- 3. If the State has no agreement with NMFS for the collection and exchange of confidential data, the request shall be treated as a public request and disclosure may be denied

- subject to FOIA or the Privacy Act.
- 4. Where a State has entered into a cooperative exchange agreement with another State(s), NMFS will facilitate transfer or exchange of State-collected data in its possession if:
- (a) NMFS has written authorization for data transfer from the head of the collecting State agency; and
- (b) the collecting State has provided NMFS a list of authorized users in the recipient State(s); and
- (c) the collecting State agrees to hold the United States
 Government harmless for any suit that may arise from the
 misuse of the data.

e. Contractors.

- 1. Pursuant to an agreement with NMFS, a NMFS contractor (including universities, Sea Grant investigators, etc.) may be granted "authorized user" status consistent with this Order if the use furthers the mission of NMFS.
- 2. The region will notify the contractor of its decision on access in writing within 30 calendar days after receipt of the request.
- 3. Contingent upon approval, the contractor will be provided with details regarding conditions of data access, any costs involved, formats, timing, and security procedures. If the request is denied, the reason(s) for denial will be given by the NMFS office involved. The denial will not preclude NMFS consideration of future requests from the contractor.
- 4. If access is granted, language in the agreement specifically

dealing with confidentiality of data will be required. The language shall include all of the relevant portions of this Order and shall prohibit the further disclosure of the data. No data may be retained beyond the termination date of the agreement; and any disclosure of data derived from the accessed confidential data must be approved by NMFS.

- 5. Each agreement shall be reviewed by GC prior to its execution, and shall, to the extent possible, be consistent with the model agreement contained in Appendix D.
- f. <u>Submitters.</u> The Privacy Act allows for data to be released back to the submitter upon receipt and verification of a written request stating the data required.
- 04. Requests for Confidential Data. NMFS is authorized to collect data under various statutes [See Appendix A]. Two types of statutes govern the disclosure of confidential data collected by the Federal Government, those that contain specific and non-discretionary language within the Act, and those that provide overall guidance to the Federal Government. Sections of these Acts that deal with exceptions to disclosure may be found in Appendix B.
- a. Magnuson Act and MMPA.
- 1. Data collected under 16 U.S.C. 1853 (a) or (b), and 16 U.S.C. 1383a(c),(d),(e),(f),or (h) will be handled in the following manner:
- (a) data will only be disclosed to Federal employees and Council employees who are responsible for management plan development and monitoring; State employees pursuant to an agreement with the Secretary that prevents public disclosure of the identity or business of any person; a Council for conservation and management purposes [not applicable for

- MMPA data] or when required by court order. [See 50 CFR 229.10 and part 603];
- (b) Council advisory groups are not permitted access to such confidential data [See 50 CFR 601.27(b)];
- (c) requests from States that do not have an agreement with the Secretary will be processed in accordance with the Privacy Act or FOIA; and
- (d) data collected by an observer under 16 U.S.C. 1853 (a) or (b) are not considered to have been "submitted to the Secretary by any person," and therefore are not confidential under Section 6.04.a of this Order. Data collected by an observer may be withheld from disclosure under the Privacy Act, or subsections (b)(3),(4),(5),(6), or (7) of FOIA.
- 2. Confidential data submitted to the Secretary under other Sections of the Magnuson Act or MMPA may only be disclosed in accordance with the Privacy Act or FOIA. Types of data and the collection authority may include among others:
- (a) Processed Product Data -- 16 U.S.C. 1854(e);
- (b) Fish Meal and Oil, Monthly -- 16 U.S.C. 1854(e);
- (c) Data Collected Under State Authority and Provided to NMFS -- 16 U.S.C. 1854(e); and
- (d) Tuna-Dolphin Observer Program -- 16 U.S.C. 1361 et seq.
- b. <u>South Pacific Tuna Act</u>. Data collected under South Pacific Tuna Act 16 U.S.C. 973j is protected from disclosure to the public in accordance with section 973j(b).
- c. Other Statutes. Confidential data collected under other

NMFS programs as authorized by statutes other than South Pacific Tuna Act (16 U.S.C 973j), MMPA (16 U.S.C. 1361 *et seq.*), and Magnuson Act (16 U.S.C. 1801 *et seq.*), may only be disclosed to the public in accordance with the Privacy Act and FOIA. Types of data and the collection authority may include among others:

- (1) Monthly Cold Storage Fish Report -- 16 U.S.C. 742(a);
- (2) Market News Data -- 16 U.S.C. 742(a); and
- (3) Seafood Inspection Data -- 7 U.S.C. 1621 et seq.
- d. Special Procedures.
- 1. <u>Cold Storage Summary Reports.</u> NMFS publishes monthly cold storage holdings of fishery products. Advance knowledge of the content of these reports could give those who trade in the products an opportunity to gain competitive advantage. Therefore, in addition to the confidential protection provided to individual reports, the monthly summary report will not be disclosed to the public until 3:00 p.m. Eastern Time of the official release date. Release dates for these data are published 1 year in advance in November, and can be obtained from the NMFS Fisheries Statistics Division.
- 2. Surplus commodity purchases by USDA. NMFS and the Department of Agriculture (USDA) have an interagency agreement relating to the purchase of surplus fishery products. NMFS is responsible for providing confidential data and recommendations to the USDA regarding these purchases. Advance knowledge of these data could cause a competitive advantage or disadvantage to the general public, fishing industry, and the program. Therefore, all NMFS personnel engaged in the surplus commodity purchase program will be required to sign a specific "USDA Responsibility

Statement." A copy will be maintained in the Office of Trade Services.

- 3. Agreements for Disclosure of Confidential Data.

 A letter of agreement may authorize the disclosure of confidential data when both the Government and the submitter agree to disclosure of the data. The need to provide security for the data will vary depending on the type of data collected and the form of the disclosure. Disclosure can be undertaken if all the following conditions are met:
- (a) the person has agreed in writing to the disclosure and is aware that disclosure is irrevocable;
- (b) the recipient has been informed in writing of the sensitivity of the data; and
- (c) the wording of the agreement has been approved by GC.
- .05 <u>Disposal.</u> NAO 205-1, NOAA Records Management Program, shall govern the disposition of records covered under this Order.

SECTION 7. PENALTIES.

- .01 <u>Civil and Criminal.</u> Persons who make unauthorized disclosure of confidential data may be subject to civil penalties or criminal prosecution under:
- a. Trade Secrets Act (18 U.S.C. 1905);
- b. Privacy Act (5 U.S.C. 552a(i)(1));
- c. Magnuson Act (16 U.S.C. 1858); and
- d. MMPA (16 U.S.C. 1375).

- .02 <u>Conflict of Interest.</u> Employees are prohibited by Department of Commerce employee conduct regulations [15 CFR part 0] and by ethics regulations applicable to the Executive Branch [5 CFR 2635.703] from using nonpublic information subject to this Order for personal gain, whether or not there is a disclosure to a third party.
- .03 <u>Disciplinary Action</u>. Persons may be subject to disciplinary action, including removal, for failure to comply with this Order. Prohibited activities include, but are not limited to, unlawful disclosure or use of the data, and failure to comply with implementing regulations or statutory prohibitions relating to the collection, maintenance, use and disclosure of data covered by this Order.

SECTION 8. EFFECT ON OTHER ISSUANCES.

None.

Director, Office of Administration

Office of Primary Interest:
National Marine Fisheries Service
Office of Research and Environmental Information
Fisheries Statistics Division (F/RE1)

APPENDIX A

STATUTES

NMFS is authorized to collect biological, economic, social, and other data under the following statutes, among others:

- a. Agricultural Marketing Act of 1946, 7 U.S.C. 1621-1627;
- b. Agricultural Trade Development and Assistance Act of 1954, 7 U.S.C. 1704;
- c. Anadromous Fish Conservation Act, 16 U.S.C. 757-757f;
- d. Atlantic Coast Fish Study for Development and Protection of Fish Resources, 1950, 16 U.S.C. 760a;
- e. Atlantic Tunas Convention Act of 1975, 16 U.S.C. 971-971i;
- f. Eastern Pacific Tuna Licensing Act of 1984, 16 U.S.C. 972-972h;
- g. Endangered Species Act, 16 U.S.C. 1531-1543;
- h. Farrington Act of 1947, 16 U.S.C. 758-758d;
- i. Fish and Wildlife Act of 1956, 16 U.S.C. 742(a) et seq;
- j. Fish and Wildlife Coordination Act of 1934, 16 U.S.C. 661-666c;
- k. Fishery Market News Service Act of 1937; 50 Stat. 296;
- 1. Fur Seal Act, 16 U.S.C. 1151-1175;

- m. Interjurisdictional Fisheries Act of 1986, 16 U.S.C. 4101 et seq;
- n. Magnuson Fishery Conservation and Management Act, 16 U.S.C. 1801 *et seq*;
- o. Marine Mammal Protection Act, 16 U.S.C. 1361 et seq;
- p. Marine Migratory Gamefish Act of 1959, 16 U.S.C. 760e;
- q. South Pacific Tuna Act of 1988, 16 U.S.C. 973-973n; and
- r. Tuna Conventions Act of 1950, 16 U.S.C. 951-961.

PRIMARY PROTECTIVE AUTHORITIES

a. Magnuson Fishery Conservation and Management Act,16 U.S.C. 1853d, (Magnuson Act).

Data required as part of a reporting requirement under the Magnuson Act are protected from disclosure to the public by section 303(d) which provides: "Any statistic submitted to the Secretary by any person in compliance with any requirement under subsections 303(a) and (b) shall be confidential and shall not be disclosed except:

- (1) to Federal employees and Council employees who are responsible for management plan development and monitoring;
- (2) to State employees pursuant to an agreement with the Secretary that prevents public disclosure of the identity or business of any person; or
- (3) when required by court order.

The Secretary shall, by regulation [See 50 CFR part 603], prescribe such procedures as may be necessary to preserve such confidentiality, except that the Secretary may release or make public any such statistics in any aggregate or summary form which does not directly or indirectly disclose the identity or business of any person who submits such statistics. Nothing in this subsection shall be interpreted or construed to prevent the use for conservation and management purposes by the Secretary, or with the approval of the Secretary, the Council, of any statistic submitted in compliance with a requirement under subsection (a) or (b)."

b. Marine Mammal Protection Act, 16 U.S.C. 1383a(j), (MMPA)

Certain MMPA data are protected from disclosure by section 114(j) which provides: "Any information collected under subsection (c),(d),(e),(f), or (h) of this section shall be confidential and shall not be disclosed except:

- (A) to Federal employees whose duties require access to such information;
- (B) to State employees pursuant to an agreement with the Secretary that prevents public disclosure of the identity or business of any person;
- (C) when required by court order; or
- (D) in the case of scientific information involving fisheries, to employees of Regional Fishery Management Councils who are responsible for fishery management plan development and monitoring... The Secretary shall prescribe such procedures [See 50 CFR 229.10] as may be necessary to preserve such confidentiality, except that the Secretary shall release or make public any such information in aggregate, summary, or other form which does not directly or indirectly disclose the identity or business of any person."
- c. South Pacific Tuna Act 16 U.S.C. 973 j(b).

Certain data are protected from disclosure by section 973j(b) which provides: "Information provided by license holders in Schedules 5 and 6 of Annex 1 of the Treaty shall be provided to the Secretary for transmittal to the Administrator and to an entity designated by the license holder. Such information thereafter shall not be released and shall be maintained as confidential by the Secretary, including information requested under Section 552 of Title 5, unless disclosure is required under

court order or unless the information is essential for an enforcement action under section 973c, 973h(c), or 973i of this title, or any other proper law enforcement action."

d. Freedom of Information Act, 5 U.S.C. 552 (FOIA)

Although FOIA generally requires agencies to make records available to any person requester, it does provide specific exemptions for which an agency may deny disclosure as follows:

- "...(b) This section does not apply to matters that are... (3) specifically exempted from disclosure by statute (other than section 552b of this title), provided that such statute (A) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld;
- (4) trade secrets and commercial or financial information obtained from a person and privileged or confidential;
- (5) inter-agency or intra-agency memorandums or letters which would not be available by law to a party other than an agency in litigation with the agency;
- (6) personnel and medical files and similar files the disclosure of which would constitute a clearly unwarranted invasion of personal privacy;
- (7) records or information compiled for law enforcement purposes,..."
- e. Trade Secrets Act 18 U.S.C. 1905

The Trade Secrets Act forbids disclosure only to the extent that other laws do not require the information be released. The

courts have interpreted its protection to be virtually coextensive with exception of FOIA exemption 4.

The Trade Secrets Act states: "Whoever, being an officer or employee of the United States or of any department or agency thereof, or agent of the Department of Justice as defined in the Antitrust Civil Process Act (15 U.S.C. 1311-1314), publishes, divulges, discloses, or makes known in any manner or to any extent not authorized by law any information coming to him in the course of his employment or official duties or by reason of any examination or investigation made by, or return, report or record made to or filed with, such department or agency or officer or employee thereof, which information concerns or relates to the trade secrets, processes, operations, style of work, or apparatus, or to the identity, confidential statistical data, amount or source of any income, profits, losses, or expenditures of any person, firm, partnership, corporation, or association; or permits any income return or copy thereof or any book containing any abstract or particulars thereof to be seen or examined by any person except as provided by law; shall be fined not more than \$1,000, or imprisoned not more than one year, or both; and shall be removed from office or employment."

f. Privacy Act, 5 U.S.C. 552a(b)

Privacy Act records are to be handled according to NAO 205-15. The Privacy Act prohibits disclosure stating:

- "...(b) Conditions of Disclosure. No agency shall disclose any record which is contained in a system of records by any means of communication to any person, or to another agency, except pursuant to a written request by, or with the prior written consent of, the individual to whom the record pertains, unless disclosure of the record would be (1) to those officers and employees of the agency which maintains the record who have a need for the record in the performance of their duties;
- (2) required under section 552 of this title;

- (3) for a routine use as defined in subsection (a)(7) of this section and described under subsection (e)(4)(D) of this section;
- (4) to the Bureau of the Census for purposes of planning or carrying out a census or survey or related activity pursuant to the provisions of title 13:
- (5) to a recipient who has provided the agency with advance adequate written assurance that the record will be used solely as a statistical research or reporting record, and the record is to be transferred in a form that is not individually identifiable;
- (6) to the National Archives and Records Administration as a record which has sufficient historical or other value to warrant its continued preservation by the United States Government, or for evaluation by the Archivist of the United States or the designee of the Archivist to determine whether the record has such value;
- (7) to another agency or to an instrumentality of any governmental jurisdiction within or under the control of the United States for a civil or criminal law enforcement activity if the activity is authorized by law, and if the head of the agency or instrumentality has made a written request to the agency which maintains the record specifying the particular portion desired and the law enforcement activity for which the record is sought;
- (8) to a person pursuant to a showing of compelling circumstances affecting the health or safety of an individual if upon such disclosure notification is transmitted to the last known address of such individual;
- (9) to either House of Congress, or, to the extent of matter within its jurisdiction, any committee or subcommittee thereof, any joint committee of Congress or subcommittee of any such joint committee;
- (10) to the Comptroller General, or any of his authorized representatives, in the course of the performance of the duties of the General Accounting Office;
- (11) pursuant to the order of a court of competent jurisdiction; or
- (12) to a consumer reporting agency in accordance with section

3711(f) of title 31.

g. Government in the Sunshine Act 5 U.S.C. 552b(c)

The Sunshine Act provides for open access to meetings held by the government. The Act provides for certain cases when, with prior notice to the public, a meeting may be closed.

Authorized users of NMFS confidential data should be aware of these exceptions when holding an open meeting. The Act states: "Except in a case where the agency finds that the public interest requires otherwise, the second sentence of subsection (b) shall not apply to any portion of an agency meeting, and the requirements of subsections (d) and (e) shall not apply to any information pertaining to such meeting otherwise required by this section to be disclosed to the public, where the agency properly determines that such portion or portions of its meeting or the disclosure of such information is likely to ...(3) disclose matters specifically exempted from disclosure by statute (other than section 552 of this title), provided that such statute (A) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld;

- (4) disclose trade secrets and commercial or financial information obtained from a person and privileged or confidential;
- (5) involve accusing any person of a crime, or formally censuring any person;
- (6) disclose information of a personal nature where disclosure would constitute a clearly unwarranted invasion of personal privacy;..."

State:	Interviewer	#:
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STATEMENT OF NONDISCLOSURE

I have read the NOAA Administrative Order 216-100, Protection of Confidential Fisheries 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 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 or printed)		Signature and Date		
Witnessed by: Hiring Offi	cial Name (typed or printed)		Signature and Date	
	Affiliation (Check One):		Type of Data:	
	NMFS	V	Source Source	
	Other Federal		Subregional	
	State		Regional	
	Council Staff		Multiregional	
	Council Member		Special (Specify):	
	Contractor			
	Grantee			
	Other (Specify):		Other (Specify):	
			MRIP / LPS data	
Official Use Onl	y:			
Designated NMF	S Official:			
	10		<u> </u>	
Name (typed or printed)			Signature and Date	