

Appendix A

Historical Yields of the Florida Oyster Fishery

The oyster fishery yield data reported in Table A-1 were compiled from published annual reports of Florida Commercial Marine Fish Landings. This data set is also available for download under the heading “1950 to 1983 oyster fisheries data” at <http://ocean.floridamarine.org/OIMMP/>. Florida Commercial Marine Fish Landings data from 1950 to 1963 were compiled by the U.S. Fish and Wildlife Service (USFWS), Florida State Board of Conservation, and University of Miami Institute of Marine Science. Data from 1964 to 1968 were compiled by the USFWS and the Florida State Board of Conservation. Data from 1969 to 1971 were compiled by the Florida Department of Natural Resources (FDNR) Division of Marine Resources and the USFWS. Data from 1972 to 1983 were compiled by the FDNR and the National Marine Fisheries Service. In 1984, the State assumed a mandatory trip ticket program for reporting commercial harvest yields. Data have been compiled by the Florida Fish and Wildlife Conservation

Commission (FWC) and are available at <http://myfwc.com/research/saltwater/fishstats/commercial-fisheries/landings-in-florida/>.

All commercial oyster harvests are reported in Table A-1 as pounds of oyster meats. Oyster yields that were reported as gallons were converted to pounds of meats by a multiplier of 8.75. Oyster yields reported as bushels were converted to pounds of meats by a multiplier of 4.375 before 1984 and by a multiplier of 6.5625 from 1984 onward. Multipliers were updated in 1984 when the State assumed full responsibility for reporting commercial fishery yields. (Steve Brown, pers. comm.). Increased bushel size since the 1950s may have also contributed to the degree of change in this multiplier. The current conversion factors for commercial landings of oysters and other marine species may be found at <https://myfwc.com/media/9085/sumfact.pdf>. Note that counties in Table A-1 may alternate between reporting on their own and reporting jointly with neighboring counties.

Table A-1. Reported commercial yields of pounds of oyster meats harvested annually 1950–1983.

Year	Published east coast total	Published west coast total	Published statewide total	Bay, Gulf, and Washington	Bay and Gulf	Bay	Bay and Washington
1950†	22,715	872,553	895,248				
1951			735,304			42,368	
1952	20,907	542,080	562,987			30,304	
1953*	21,576	563,780	585,356		59,956		
1954	17,907	667,589	685,496		67,992		
1955	19,340	630,241	649,581	48,141			
1956	32,304	856,431	888,735		89,830		
1957	24,754	710,124	734,878		68,961		
1958	29,759	794,970	824,729		60,206		
1959	40,045	1,414,953	1,454,998		93,934		
1960*	44,644	1,930,756	1,975,400		89,458		
1961	72,542	3,254,059	3,326,601		127,367		
1962	67,091	4,952,680	5,019,771		259,664		
1963*‡	80,745	4,282,103	4,362,848		204,400		
1964	92,339	2,792,784	2,885,123				70,119
1965	166,013	2,788,732	2,954,745				79,998
1966	135,114	4,156,811	4,291,925				55,046
1967	182,772	4,578,358	4,761,130				61,475
1968	252,084	5,316,689	5,568,773				88,859
1969	241,320	4,911,422	5,152,742			85,337	
1970	212,725	3,573,794	3,786,519			70,856	
1971	181,988	3,528,554	3,710,542			58,078	
1972	126,404	3,230,967	3,357,371			80,249	
1973	122,389	2,408,936	2,531,325			106,743	
1974	97,724	2,653,661	2,751,385			70,436	
1975	79,413	2,133,652	2,213,065			28,473	
1976	111,781	2,602,669	2,714,450			28,160	
1977	125,896	4,071,688	4,197,584			64,634	
1978	93,651	5,880,212	5,973,863			76,220	
1979	87,349	6,124,910	6,206,259			58,245	
1980	97,379	6,755,931	6,853,310			107,115	
1981	99,055	7,170,329	7,269,384			122,901	
1982	81,752	4,816,936	4,898,688			169,946	
1983	77,959	4,326,494	4,404,453			7,964	

* Note that the county total does not add up to the published statewide total.

† No county data.

‡ County yields rounded to nearest 100 lbs.

Year	Brevard	Charlotte	Citrus	Citrus and Pasco	Collier	Broward and Dade	Dade
1950†							
1951	18		71,689				350
1952			44,411				
1953*			27,781				
1954			34,995				
1955			28,337				
1956	88		12,939				
1957	209		3,116				
1958	35		11,200				
1959		57	16,000				
1960*		891	26,119				
1961	18,477	26,431	31,393		102		
1962	6,759	54,412	29,184		123		
1963*‡	22,900	4,200	13,500		2,400		
1964	32,913	17,153	52,069		794		
1965	94,404	4,173	8,217		325		
1966	32,307	4,589	2,138				
1967	88,607	1,934	17,859				
1968	143,171	282		3,318			
1969	132,378		3,900				
1970	139,000			790			
1971	103,825						
1972	52,498						
1973	41,967						
1974	21,539						
1975	23,924						
1976	24,658			3,439			
1977	38,196			1,651			
1978	38,415			1,641			
1979	31,788			21,387		46	
1980	23,167			4,359			
1981	27,835			1,007			
1982	30,805			11,565			
1983	17,488			6,420			

Year	Dixie and Taylor	Dixie	Duval	Escambia and Santa Rosa	Escambia	Franklin	Gulf
1950†							
1951		8,278	17,386	3,535		546,560	26,504
1952		438	12,826		7,375	451,145	
1953*			15,236		11,514	459,225	
1954			14,717		4,288	553,946	
1955			17,282		2,756	542,874	
1956		2,602	28,009		2,967	722,046	
1957		267	15,769		2,202	624,222	
1958			22,524		2,147	713,230	
1959			21,781		8,371	1,268,757	
1960*			23,838		22,562	1,744,760	
1961	3,386		27,385		20,354	2,947,137	
1962	1,801		28,521		16,352	4,366,700	
1963*‡	1,400		29,700		6,600	3,810,500	
1964		4,450	28,612		16,531	2,252,377	28,936
1965	72		29,669		22,554	2,337,530	45,492
1966	1,838		38,352		34,467	3,809,941	76,483
1967	3,576		32,051		16,224	4,195,905	107,792
1968	21,340		37,843		16,038	4,825,668	112,034
1969	19,842		27,089		71,372	4,350,370	114,218
1970	4,000		19,746		126,520	3,044,401	82,014
1971					50,380	3,180,085	70,078
1972			16,184		9,253	2,980,543	33,443
1973		12,155	14,979		7,287	2,193,492	8,406
1974	7,347		19,027		36,536	2,453,995	7,664
1975	114		16,925		5,739	2,032,612	24,245
1976	2,668		23,814			2,503,441	39,612
1977	10,530		19,222			3,894,089	51,818
1978	12,038				12,198	5,566,464	87,175
1979	4,746		757			5,809,684	117,263
1980	6,444					6,409,909	90,516
1981	6,403				581	6,616,648	124,211
1982	100,378				35,093	4,153,182	105,873
1983	52,064				78,202	3,936,070	79,389

Year	Hills- borough	Indian River	Lee	Levy	Manatee	Monroe	Nassau	Okaloosa
1950†								
1951	481			665		438	2,130	35
1952						140	1,425	
1953*		3,894		153			2,087	
1954				394			1,583	
1955			1,689				1,677	
1956			18,603	401			1,487	297
1957			4,451	437			2,154	1,937
1958			1,458				1,764	
1959			14,869	1,637			905	26
1960*			24,511	3,691			1,793	2,460
1961	679	204	18,277	23,509			1,098	11,009
1962	31,639	40	12,131	25,350	65		1,232	
1963*‡	14,500		35,000	30,200			400	
1964	44,662	7,374	47,284	37,727	17		418	
1965	26,126	7,191	23,827	50,587			552	
1966			7,813	87,674			386	
1967		7,603	12,128	82,139				
1968		1,635	31,168	159,921				
1969		17,919	27,521	165,163				
1970		9,446	32,733	61,514				
1971		3,466	25,433	59,993			17,299	
1972		940	2,926	63,896			1,575	1,361
1973		4,815	1,890	30,390			2,185	3,121
1974		4,938		22,899			2,875	578
1975		955		12,179			2,684	1,761
1976		996		16,189				
1977				23,867				
1978			1,044	44,269			2,190	
1979				47,611			175	2,990
1980				75,908				4,652
1981				149,454				
1982			246	141,202				110
1983	1,224		382	87,132				44

Year	Okaloosa and Walton	Palm Beach	Pinellas	Santa Rosa	Sarasota	St. Johns and Flagler	St. Johns	St. Lucie
1950†								
1951			805			5,023		
1952			4,341				6,208	
1953*			1,531				3,789	
1954			3,949				1,344	
1955			5,306					
1956			2,722					
1957							2,801	
1958			26				4,286	
1959			1,795				9,438	
1960*			1,979				9,782	
1961			7,890				7,256	480
1962	21,441		80,620				5,660	132
1963*‡	3,000		83,400				7,200	
1964	6,168		102,825				4,916	
1965			68,653	12,207	27,639		16,717	
1966			3,220				39,813	125
1967			1,652	62,172	405		40,144	
1968			2,756	34,166			52,248	
1969			377	49,335			46,338	
1970				126,035			30,880	
1971				62,370			34,467	
1972				23,688			43,570	
1973		5,177		25,659			45,791	
1974			50	27,862			47,429	
1975				13,699			34,635	
1976				7,543			62,163	
1977				900			67,708	
1978				656			50,363	
1979							45,063	
1980			13,731				65,179	2,730
1981			14,351				50,756	
1982			132				39,520	
1983			1,715				35,967	

Year	Santa Rosa	Sarasota	Taylor	Volusia	Wakulla and Leon	Wakulla	Walton
1950†							
1951		1,426		3,588	4,025		
1952		1,258		448		2,668	
1953*		2,622		263		998	
1954		1,587		263		438	
1955		440	260	381		438	
1956		1,270	226	2,720		2,528	
1957		2,627		3,821		1,904	
1958		210		1,150		6,493	
1959		1,018		7,921		8,489	
1960*		131		9,231		14,114	
1961		12,473		17,642		24,052	
1962		13,115		24,747		40,083	
1963*‡		10,800		20,500		46,600	
1964		40,743		18,106		70,929	
1965				17,480		72,555	8,777
1966	44,049	3,763		24,131		21,127	4,663
1967				14,367		8,463	6,634
1968				17,187		13,886	7,253
1969				17,596		10,500	13,487
1970				13,653		12,723	12,208
1971				22,931		15,752	6,385
1972				11,637		19,242	16,366
1973				7,475		7,656	12,137
1974				1,916		18,514	7,780
1975				290		10,711	4,119
1976				150		1,345	272
1977				770		23,875	324
1978				2,683		76,736	1,771
1979				3,520		62,984	
1980				6,303		43,218	79
1981				20,464		134,773	
1982	11,922			11,427		47,173	40,114
1983	40,777			24,504		17,162	17,949

Appendix B

Abbreviations

Abbreviation	Meaning
ACF	Apalachicola–Chattahoochee–Flint
ANERR	Apalachicola National Estuarine Research Reserve
ASMFC	Atlantic States Marine Fisheries Commission
CBA	Choctawhatchee Bay Alliance
C-CAP	Coastal Change Analysis Program
CCMP	Comprehensive Conservation and Management Plan
CERP	Comprehensive Everglades Restoration Plan
cfs	cubic feet per second
CHIMMP	Coastal Habitat Integrated Mapping and Monitoring Program
CHNEP	Charlotte Harbor National Estuary Program
CI	condition index
CMECS	Coastal and Marine Ecological Classification Standard
CPAP	Central Panhandle Aquatic Preserves
CPUE	catch per unit effort
CSF	Conservancy of Southwest Florida
DERM	Department of Environmental Resources Management
dGPS	differential global positioning system
DOQQ	digital orthophoto quarter quadrangle
DWH	Deepwater Horizon
EBAP	Estero Bay Aquatic Preserve
ESA	Environmental Science Associates
ESI	Environmental Sensitivity Index
FAU	Florida Atlantic University
FDACS	Florida Department of Agriculture and Consumer Services
FDEP	Florida Department of Environmental Protection
FDOT	Florida Department of Transportation
FGCU	Florida Gulf Coast University
FGDC	Federal Geographic Data Committee

Abbreviation	Meaning
FIU	Florida International University
FLUCCS	Florida Land Use and Cover Classification System
FNAI	Florida Natural Areas Inventory
FOS	Florida Oceanographic Society
FWC	Florida Fish and Wildlife Conservation Commission
FWRI	Fish and Wildlife Research Institute
GIS	geographic information system
GPS	global positioning system
GTMNERR	Guana Tolomato Matanzas National Estuarine Research Reserve
HAB	harmful algal bloom
ICW	Intracoastal Waterway
IFAS	Institute of Food and Agricultural Sciences (University of Florida)
IRL	Indian River Lagoon
IRLAP	Indian River Lagoon Aquatic Preserve
LRD	Loxahatchee River District
LSJRBR	Lower St. Johns River Basin Report
LULC	Land Use/Land Cover
LWL	Lake Worth Lagoon
LWLI	Lake Worth Lagoon Initiative
MarineGEO	Marine Global Earth Observatory
MML	Mote Marine Laboratory
NASEM	The National Academies of Sciences, Engineering, and Medicine
NERR	National Estuarine Research Reserve
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NRDA	Natural Resource Damage Assessment
NWFWMD	Northwest Florida Water Management District
NWI	National Wetlands Inventory
NWR	National Wildlife Refuge
OCA	Oyster Condition Assessment
OIMMP	Oyster Integrated Mapping and Monitoring Program
OYSTER	Offer Your Shell to Enhance Restoration
PAH	polycyclic aromatic hydrocarbons
PBC	Palm Beach County
PCB	polychlorinated biphenyls
PCR	polymerase chain reaction

Abbreviation	Meaning
RBNERR	Rookery Bay National Estuarine Research Reserve
RECOVER	REstoration, COordination, and VERification
RPI	Research Planning Inc.
RSM	restoration suitability model
RTK	real-time kinematic
SAV	submerged aquatic vegetation
SBEP	Sarasota Bay Estuary Program
SCCF	Sanibel Captiva Conservation Foundation
SCDNR	South Carolina Department of Natural Resources
SCHEME	System for Classification of Habitats in Estuarine and Marine Environments
FWMD	South Florida Water Management District
SGCN	species of greatest conservation need
SIMM	Seagrass Integrated Mapping and Monitoring Program
SJRWMD	St. Johns River Water Management District
SLE	St. Lucie Estuary
SMARRT	Seafood Management Assistance Resource and Recovery Team
SRWMD	Suwannee River Water Management District
SWFWMD	Southwest Florida Water Management District
TBEP	Tampa Bay Estuary Program
TBT	tributyltin
TBW	Tampa Bay Watch
TMDL	total maximum daily load
TMON	Tennenbaum Marine Observatories Network
TNC	The Nature Conservancy
TURF	Territorial User Rights Fishery
UCF	University of Central Florida
UF	University of Florida
UNH	University of New Hampshire
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USF	University of South Florida
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USNPS	U.S. National Park Service
WMD	water management district

Appendix C

Species List

Scientific name	Common name
<i>Aureoumbra lagunensis</i>	microscopic alga; causes brown tide
<i>Balanus amphitrite</i>	striped barnacle
<i>Batillaria minima</i>	West Indian false cerith
<i>Bonamia</i> spp.	parasitic rhizarians
<i>Callinectes</i> spp.	swimming crabs
<i>Cladium jamaicense</i>	sawgrass
<i>Cliona celata</i>	boring sponge
<i>Crassostrea rhizophorae</i>	mangrove oyster
<i>Crassostrea virginica</i>	eastern oyster
<i>Crepidula</i> spp.	slipper snails
<i>Dendostrea frons</i>	frond oyster
<i>Fasciolaria lilium</i>	banded tulip snail
<i>Geukensia demissa</i>	ribbed mussels
<i>Haematopus palliatus</i>	American Oystercatcher
<i>Halodule wrightii</i>	shoalgrass
<i>Haplosporidium nelsoni</i>	protist parasite; causes the oyster disease MSX
<i>Hytissa hyotis</i>	giant foam oyster
<i>Hytissa mcgintyi</i>	Atlantic foam oyster
<i>Isognomon alatus</i>	flat tree oyster
<i>Isognomon bicolor</i>	bicolor purse-oyster
<i>Isognomon radiatus</i>	radial purse-oyster
<i>Karenia brevis</i>	microscopic alga; causes red tide
<i>Limnodromus griseus</i>	Short-billed Dowitcher
<i>Limosa fedoa</i>	Marbled Godwit
<i>Lithophaga bisculata</i>	mahogany date mussel
<i>Lysmata wurdemanni</i>	peppermint shrimp
<i>Malaclemys terrapin</i>	diamond-backed terrapin
<i>Malleus candeanus</i>	Caribbean hammer oyster
<i>Megabalanus coccopoma</i>	pink barnacle
<i>Melongena corona</i>	crown conch
<i>Menippe mercenaria</i>	stone crab
<i>Mercenaria campechiensis</i>	quahog/hard clam

Scientific name	Common name
<i>Mytella charruana</i>	charru mussel
<i>Neopycnodonte cochlear</i>	deepwater foam oyster
<i>Ostrea permollis</i>	sponge oyster
<i>Ostrea stentina</i>	crested oyster
<i>Panopeus herbstii</i>	Atlantic mud crab
<i>Perkinsus marinus</i>	protist parasite; causes the oyster disease dermo
<i>Perna viridis</i>	Asian green mussel
<i>Petrolisthes armatus</i>	green porcelain crab
<i>Pinctada imbricata</i>	Atlantic pearly oyster
<i>Pinctada longisquamosa</i>	scaly pearly oyster
<i>Pinctada margaritifera</i>	black-lipped pearly oyster
<i>Pogonias cromis</i>	black drum
<i>Polydora</i> spp.	genus of polychaetes
<i>Pristis pectinata</i>	smalltooth sawfish
<i>Pteria colymbus</i>	Atlantic wing oyster
<i>Pteria hirundo</i>	glassy wing oyster
<i>Pyrodinium bahamense</i>	microscopic alga; causes paralytic shellfish poisoning
<i>Rhizophora mangle</i>	red mangrove
<i>Sinistrofulgur sinistrum</i>	lightning whelk
<i>Spartina alterniflora</i>	smooth cordgrass
<i>Stramonita haemastoma</i>	southern oyster drill
<i>Syringodium filiforme</i>	manateegrass
<i>Teskeyostrea weberi</i>	threaded oyster
<i>Thalassia testudinum</i>	turtlegrass
<i>Urosalpinx cinerea</i>	Atlantic oyster drill
<i>Vibrio parahaemolyticus</i>	pathogenic bacterium occasionally found in oysters