

MODERN AMERICAN SEACOAST DEFENSES

A LIST OF MILITARY RESERVATIONS AND CONCRETE GUN BATTERIES

1890-1950

Compiled by Mark A. Berhow © 2021, Mark Berhow

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Fort Michie (Great Gull Island, NY)

Once part of the Harbor Defenses of Long Island Sound, NY, the island is now a national wildlife refuge.

The large concrete structure in the forground is Battery J.M.K. Davis, built for a single 16-inch gun on a disappearing carriage. Photograph by Terry McGovern, 2003.

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RM

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SB TM

AMERICAN SEACOAST DEFENSES A LIST OF MILITARY RESERVATIONS AND CONCRETE GUN BATTERIES 1890-1945

This is an attempt to list all the concrete emplacements built by the U.S. Army Corps of Engineers to hold seacoast armament of the "Modern era" (1890-1950). It includes four major generations of American coast defense construction—the Early Modern Program batteries (the "Endicott Board" and the "Taft Board"), the post-World War I batteries, and the WW II Modernization Program batteries—as well as those batteries built during emergency situations. Every effort has been made to make this list as accurate as possible, but it will most likely contain a number of errors and omissions. The author would greatly appreciate being contacted about any corrections.

Fort and battery names used in this list are those perceived by the author as being the last official designation. Named batteries are listed by surname only, even though as many were designated by the full name of the person they were named after. See Designating US Seacoast Fortifications, War Department General Orders and Letters from the Adjutant General 1809-1950, compiled by Matthew Adams (privately published by the compiler, Australia, 2000) for more information on fort and battery names. The battery service years listed here are generally from the year in which the battery was transferred to the Artillery or Coast Artillery Corps (or the year the battery was completed) to the year the battery was ordered removed from service (or the year the last gun was removed). Where possible, the information in a listing was confirmed from a report of completed works; otherwise information from other published sources was used.

Gun and carriage year models (or M# after 1935) are given where known.

Sample Entry:	
Harbor Defenses of	
FORT NAME	Location service years (if known*) current ownership MC**, MF** rating
Battery name	/ # of guns / caliber & model # / carriage type & model # / service years***/ notes
	coast artillery forts were officially abandoned as harbor defense posts by 1928, all by 1950.
	Casemate (MC) or Mine Shore Facilities (MF), see next page for explanation
	s whose exact service years are not known are designated by an era, such as WWII.
Abbreviations:	
MC**	mine casemate (see note next page)
MF**	Mine Facilities: mine wharf & shore buildings (see note next page)
destroyed	emplacement destroyed
buried	emplacement buried
empl	emplacement
repl	replaced
rem	removed
ARF	carriage designed for 360 degree fire.
number (#101)	1940 Project battery construction number (used for battery name in some cases)
NB	emplacement not built
NC	emplacement built, but not completed
NA	emplacement completed, but not armed
Still Emplaced (SE)	Original (or appropriately replaced) guns in the battery today.
Carriage Abbreviations	(N = Navy gun)
A	British Armstrong guns on pedestal mounts
AGL	altered gun-lift carriage
В	barbette carriage
Rod	breechloading gun on altered 15-inch Rodman carriage
BL	long range barbette carriage, Army gun
BN	long range barbette carriage, Navy gun
BP	balanced pillar mount
CB	long range barbette carriage in casemate, Navy gun (16" 1940 Program)
CM	casemated mount
D	disappearing carriage
F	fixed pedestal mount (anti-motor torpedo battery (AMTB) mount)
GL	gun-lift carriage
Н	long range howitzer carriage
M	mortar carriage
MP	masking pedestal mount
NT	turret mount—Navy
NC	casemated mount, Navy gun and carriage
NP	Navy gun on pedestal mount
P	pedestal mount
PM	155 mm GPF gun on tractor-drawn carriage with concrete "Panama" mount
D _{m o}	nn sumatic (dynamits) sun and samias

pneumatic (dynamite) gun and carriage

long range barbette carriage with shield (6" 1940 Program)

railway mount-mortar

turreted mount—Army

railway mount—gun

Mine defense facilities are indicated in the fort name entry: Controlled mine fields were an integral part of the modern American harbor defenses. "MF" indicates that there were mine loading and storage facilities at the reservation for storing the mines and their cables and for deploying the mines for planting by the mine planters. These shore facilities usually included a mine wharf, mine loading rooms, magazines, cable tanks, torpedo storehouses, and a rail tramway system connecting these structures. "MC" indicates that there was one or more mine casemates, the protected structure which housed the actual firing circuits for the deployed submerged mine groups, on the reservation. Mine facilities were built during all major construction program eras. The mine defenses of some harbors were discontinued long before the harbor defenses themselves were abandoned. Other harbors had a major update of their mine facilities in the late 1930s and early 1940s.

ARF Disappearing Gun Carriages: There were three 10" DC ARF installed in circular concrete emplacements (one at Fort San Jacinto, two at Fort Stevens) and one 16" DC ARF was emplaced at Fort Michie. All 12" and 16" BCLR emplacements built prior to 1936 were ARF until they were casemated.

Mortar Pits: Many (but not all) of the original 4-mortar pits had 2 mortars removed during the years 1905-1920. This is not necessarily noted in the list.

Prepared 240 mm Howitzer Positions in Hawaii: Twelve emplacements for 240mm howitzers on modified mobile M1918 carriages were prepared in 1920. Ten more emplacements were built during 1938-1945 to replace the original 12 emplacements.

155 mm GPFs on Panama mounts: These guns were used in harbor defenses beginning in the 1920s. A concrete platform was designed for a permament emplacement. Only those batteries which had concrete Panama mounts constructed are listed here. Due to lack of information, the 155 Panama mount batteries in the Caribbean are NOT all listed.

Modernization Project Battery Constructions: For the sake of completeness, all Modernization Project batteries (6", 8", 12" and 16") are listed here, including those not actually built [indicated by italics and brackets].

AMTB (Anti-Motor Torpedo Boat) Batteries: Only the fixed emplacements are listed here. Complete AMTB batteries were composed of two 90 mm M1 guns on fixed M3 mounts, two 90 mm M1 guns on mobile M1 mounts and two 37 mm (later 40 mm) automatic guns. Some of the AMTBs listed here were not completely armed with full complement of the mobile guns. Many other positions not listed here were armed only with mobile guns (some 90 mm, but mostly 37 mm sections). Earlier (1942) "AMTB" batteries (repositioned M1903 3" pedestal mounts) are listed.

Coast Artillery railway artillery: Two 14" RY guns were at Fort MacArthur, CA and two were in the Panama Canal Zone from the late 1920s - 1940s. Some 8" RY and 12" RM railway carriage guns parked at sites are not specifically listed unless emplacements were built, and not all the positions prepared in Hawaii during WWII may be listed. Known locations for parked 12" RY and 8" RY guns during the 1920s and 1930s includes Fort Hancock, NJ, Cape Henlopen, DE, Camp Eustis, VA, Fort Story, VA, Camp Pendleton, VA, Fort MacArthur, CA, Fort Stevens, OR, Oahu, HI. Plans included preparing positions for railway artillery at Fort Stevens, OR (never started) Grays Harbor, WA (positions prepared) and Cape George, WA (positions prepared). 8" RY artillery were later deployed at postions in Canada and near Port Angeles along the Strait of Juan de Fuca, as well at Los Angeles, CA, Fort John Custis, VA, Fort Miles, DE, Fort Hancock, NJ, and Oahu, HI during WWII.

Not Listed: Coast Artillery Corps troops manned several other types of harbor defense weapons and sites which are not listed here due to incomplete information held by the compiler. This includes: all fixed (emplaced) antiaircraft (AA) guns; some of the WW II emergency Navy guns & mounts, the 75mm howitzer mounts used in Panama, field mounted 155mm GPF batteries, fire control stations; and searchlights.

Current Disposition of Military Reservations and Batteries: This list contains the current information (as of the date of this revision) on the ownership of the coast defense military reservations. This, unfortunately, is subject to change. Emplacements known to have been modified, buried, or destroyed are so noted. The fort rating system is an arbitrary device used by the author to give the reader some overall idea of what to expect to find at the sites today.

Fort Rating System

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***** all or most emplacements intact, many or most buildings remain

**** all or most emplacements intact, several buildings remain, reservation(s) may be divided up

*** all or most emplacements intact, some buildings remain

** all or most emplacements intact, few or no buildings remain

* some emplacements intact, few or no buildings

X nothing remains at the site
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Sources: Much of the information tabulated in this list came from a variety of original documents, lists, books, and correspondence. As far as possible the data listed in this table came from the reports of completed works filed by the Corps of Engineers for each gun battery built. Additional information was obtained from some of the various annexes to harbor defense projects. More information was gleaned from the various articles, books, brochures and other publications both of a general nature and on specific forts or harbor defenses by various agencies such as the National Park Service, state and local historical agencies, and private publishing companies, which are too numerous to list here. Additional help and information was obtained from Alvin Grobmeier, Terrance McGovern, Bob Zink, Gregg Hagge, Joel Eastman, Alex M. Holder, Bill Dorrance, John D. Bennett, Hans Neuhauser, Luis Ramos, and others.

The Harbor Defenses of	f the Kennebec	
FORT BALDWIN	Sabino Head 1905 - 1928 state park MC (improvised)	* *
unnamed	1 8" Rod 1899-1910 at Fort Popham	
Hardman	1 6" 1905 D 1903 1908-1917	
Hawley	2 6" 1900 P 1900 1908-1924 modified for 155 mm gun emplacement	ts, WWII
Cogan	2 3" 1903 P 1903 1908-1924	
unnamed	4 155 mm PM two empl. on Hawley	
The Harbor Defenses of		
Long Island Military Res		**
unnamed	2 3" 1903? P 1903? 1942-1943 gunblocks covered	
AMTB 965	2 90 mm M1 F M3 1943-1946 one gun block built over	
AMTB 966	2 90 mm M1 F M3 1943-1946	ate ate
	Other locations	**
unnamed	2 3" 1903? P 1903? 1942-1944 Great Chebeague Island	
AMTB 969	2 90 mm M1 F M3 1943-1946 Great Chebeague Island, buried	
AMTB 970	2 90 mm M1 F M3 1943-1946 Bailey Island, one gun block covered	* *
FORT LYON	Cow Island 1896 private	
Bayard	3 6" 1903 D 1903 1907-1917	
Abbot	3 3" 1903 P 1903 1909-1946	****
FORT McKINLEY	Great Diamond Island 1896 private MF, MC	
Ingalls	8 12" 1890MI M 1896MI 1904-1942	
Berry	2 12" 1888MI D 1896 1901-1943 3 8" 1888MII D 1896 1902-1942	
Thompson		
Weymouth		
Honeycutt Acker	2 8" 1888MII D 1896 1901-1942 2 6" 1897MI D 1897 1902-1943	
Carpenter	2 6" 1900 P 1900 1906-1947	
Farry	2 3" 1898 MP 1898MI 1902-1920	
Ramsey	2 3" 1898 MP 1898MI 1902-1920	
Peak's Island Military Res		* *
Steele (#102)	2 16" MkIIMI CB M4/M5 1945-1948	
Cravens (#203)	2 6" 1905A2 SB M1 1945-1948 built on	
unnamed	2 3" 1903? P 1903? 1942-1943 one gun block covered	
AMTB 963	2 90 mm M1 F M3 1943-1946	
AMTB 964	2 90 mm M1 F M3 1943-1946 buried/destroyed	
Jewell Island Military Res		* *
#202	2 6" M1 SB M3 1944 NC	
AMTB 967	2 90 mm M1 F M3 1943-1946	
AMTB 968	2 90 mm M1 F M3 1943-1946	
FORT LEVETT	Cushing Island 1903 private	****
Foote	2 12" 1895MI B 1917 1924-1948 casemated-WWII	
Bowdoin	3 12" 1895 D 1897 1903-1943	
Kendrick	2 10" 1895 D 1896 1903-1942	
Ferguson	2 6" 1900 P 1900 1906-1947	
Daniels	3 3" 1898 MP 1898MI 1903-1920	
AMTB 962	2 90 mm M1 F M3 1943-1946	
FORT PREBLE	Spring Point 1808 state school	* * *
Kearny	8 12" 1890MI M 1896MI 1901-1942 buried	
Chase	8 12" 1890MI M 1896MI 1901-1942 buried	
Rivardi	2 6" 1903 D 1903 1906-1918	
Mason	1 3" 1902MI P 1902 1906-1942 gun moved to new position 1942	
Mason II	1 3" 1902MI P 1902 1942-1946 destroyed	
FORT WILLIAMS	Cape Cottage 1898 city park MF, MC	***
Blair	2 12" 1895 D 1897 1903-1943 partially buried	
Sullivan	1 10" 1888MII D 1896 1898-1938 buried	
&	2 10" 1888MI D 1894 buried	
DeHart	2 10" 1888MI D 1894MI 1898-1942 1 gun M1888MII, buried	
Garesche	2 6" 1900 D 1903 1906-1917 guns & carr. orig on display St. Louis Ex	кро. 1903
Hobart	1 6" Armstr Armstrong 1900-1913	
Keyes	2 3" 1902MI P 1902 1905-1946	
AMTB 961	2 90 mm M1 F M3 1943-1946 one gun block covered	

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Reference Guide * * Cape Elizabeth Military Reservation state park [#101] 2 16" CB Not Built location not in park but nearby 2 6" SB M4 NA #201 **Biddleford Military Reservation** private? 4 155 mm PM unnamed The Harbor Defenses of Portsmouth **FORT FOSTER** Gerrish Island 1900 city park 10" 1895 Bohlen 3 D 1896 1901-1943 partially buried 2 3" 1902MI Chapin P 1902 1904-1943 sod and sand cover removed 2 6' #205 SB M4 1944 NC 2 **AMTB 952** 90 mm M1 FM3 1943-1946 one block in floor of shelter FORT CONSTITUTION Newcastle Is. 1798 park & USCG MF, MC Farnsworth 8" 1888MII DC 1894 1898-1917 Hackleman 2 3" 1903 P 1903 1904-1942 destroyed, guns to H.G. Wright **FORT STARK** Jerry's Point 1902 state park 12" 1895MI D 1897 1904-1945 Hunter 2 8" 2 1898-1900 unnamed Rod buried 2 6" 1903 1904-1917 modified for HECP-HDCP Kirk D 1903 2 P 1902 Hays 3" 1902MI 1905-1942 2 Lytle 3" 1902MI P 1902 1905-1942 Lytle II 2 3" 1902MI P 1902 1942-1945 guns from Lytle **FORT DEARBORN** Frost Point 1928-1947 state park Seaman (#103) 2 16" MkIIMI CB M5 194?-1948 2 #204 6" T2 SB M3 1944-194? Odiornes Pt. Pulpit Rock, one gun block dest. AMTB 951 2 90 mm M1 FM3 1943-1946 Dearborn 155 mm PM 1 mount covered Salisbury Beach Military Reservation unnamed 4 155 mm PM 1 mount buried The Harbor Defenses of Boston municipal park, Northeastern Univ. Marine Lab East Point Military Reservation 16" MkIIMI CB M4 1944-1948 Murphy (#104) 2 #206 2 6" 1903A2 SB M1 1943-1948 2 155 mm PM buried unnamed **FORT RUCKMAN** Nahant municipal park 2 12" 1895MI B 1917 1924-1946 casemated- WWII, partially buried Gardner **FORT BANKS** Winthrop 1899 municipal park/private Lincoln 12" 1890MI M 1896MI 1896-1943 magazines covered, M1890 mortars? Kellogg 8 12" 1890MI M 1896MI 1896-1943 magazines covered, 1 pit buried **FORT HEATH** Grover's cliff private & municipal park X Winthrop 12" 1888 D 1896 1901-1945 destroyed **AMTB 945** 2 90 mm M1 FM3 1943-1946 buried FORT DAWES Deer Island Massachusetts Water Resources Authority MF, MC X 2 16" CB 1944 NA (guns were on site) now destroyed #105 6" SB M4 1944 NA #207 2 destroyed 2 3" 1902MI P 1902 1942-1944 from Strong, destroyed Taylor 2 $90\;mm\;M1$ FM3 1943-1946 **AMTB 944** destroyed FORT WARREN Georges Island Metropolitan District Commission park MF, MC 12" 1895 Stevenson 2 D 1897 1903-1945 Bartlett 10" 1888MII D 1894 1899-1942 1 emplacement destroyed Adams 10" 1888 D 1894 1899-1914 4" 1896 DS P 1896 DS 1899-1925 Plunkett 2 guns later moved to saluting position 1900-1920 Lowell 3 3" 1898 MP1898MI **FORT STANDISH** Lovell's Island Metropolitan District Commission park Morris 2 10" 1900 D 1901 1907-1942 Burbeck 2 10" 1900 D 1901 1907-1942 3 6" 1897MI 1902-1943 Terrill D 1898 erosion encroachment Whipple 2 6" 1900 P 1900 1904-1947 modified, WWII 4 3" 1898 Vincent MP1898MI 1904-1920 #1 & #4 mod. to 3" AA- WWII, partially buried 2 3" 1902MI Weir P 1902 1906-1926 destroyed Williams 3 3" 1903 P 1903 1904-1946

AMTB 943

2

90 mm M1

FM3

1943-1946

206	American Seacoast Defenses	
FORT STRONG	Long Island 1870 city hospital MF, MC	* *
Hitchcock	2 10" 1888MI D 1894 1899-1939	
&	1 10" 1888MI D 1896	
Ward	2 10" 1888MI D 1894 1899-1939	
Drum	2 4.7" Armstr Armstrong 1899-1917	
Smyth	2 3" 1902 P 1902 1906-1921 guns to Basinger	
Stevens	2 3" 1902 P 1902 1906-1946	
Taylor	2 3" 1902 P 1902 1906-1942 guns to Ft. Dawes, WWII	
Basinger	2 3" 1898 MP 1898MI 1901-1947 2-3" P 1902 guns from Smyth after 19	2.1
ORT ANDREWS	Peddocks Island Metropolitan District Commission park	***
Cushing	8 12" 1890MI M 1896MI 1904-1942	
Whitman	8 12" 1890MI M 1896MI 1904-1942 4 Mor. rem. 1910, repl with M1908 m	ortars
McCook	2 6" 1900 P 1900 1904-1947 rebuilt WWII	014410
Rice	2 5" 1900 P 1903 1904-1917 CRF on #1	
Bumpus	2 3" 1902 P 1902 1904-1946	
FORT DUVALL	Hog Island 1920-1944 private (Renamed Spinnaker Is)	*
Long	2 16" 1919 B 1919 1927-1948 casemated-WWII, built on	
ORT REVERE	Telegraph Hill, Hull Metropolitan District Commission, private	*
Ripley	,	
Field	2 5" 1897MI BP 1896 1901-1917 part. dest. and buried	
Sanders	4 6" 1903 D 1903 1906-1917 2 guns rem.	
Pope	2 6" 1903 D 1903 1906-1943 later Pope inc. 3rd gun from Sanders	
AMTB 941	2 90 mm M1 F M3 1943-1946 dest./buried	
	Outer Brewster Island Massachuseltts Dept. Environmental Management	**
Jewell (#209)	2 6" M1 SB M3 1943-1948	
	Great Brewster Island Massachuseltts Dept. Environmental Management	**
AMTB 942	2 90 mm M1 F M3 1943-1946	
<u> ourth Cliff Military Re</u>		* * *
[#106]	2 16" CB Not Built no final location (Flowers Hill)	
#208	2 6" T2 SB M4 1944-1948 Generators still in place	
agamore Hill Military	Reservation	*
unnamed	2 155 mm PM	
Buzzards Bay		X
AMTBs	8 90 mm F M3 planned, not built?	
	·	
The Harbor Defenses o	of New Bedford	
ORT RODMAN	Clarke Point 1840-(1947) waste water treatment plant/ city park MF, MC	* *
Milliken	2 12" 1895MI B 1917 1924-1946 casemated-WWII	
Walcott	1 8" 1888MII D 1896 1899-1942	
Barton	1 8" 1888MII D 1896 1899-1942	
Cross	2 5" 1900 P 1903 1902-1920	
Craig	2 3" 1898 MP 1898MI 1902-1920 #1 mod. to 3-in AA, WW II	
Gaston	2 3" 1898 MP 1898MI 1902-1920	
unnamed	2 155 mm PM	
<u> Iishaum Point Military</u>		*
#210	2 6" M1 SB M3 1945-1947 private, built on	
unnamed		
unnamed		*
AMTD 021	Other locations	
AMTB 931	2 90 mm M1 F M3 1943-1946 Barney's Joy Point	
AMTB 932	2 90 mm M1 F M3 1943-1946 Cuttyhunk Island	
AMTB 933	2 90 mm M1 F M3 1943-1946 Nashawena Island	
AMTB 934	2 90 mm M1 F M3 1943-1946 Butler's Point	
unnamed	2 155 mm PM Butler's Point	
The Harbor Defenses o		
ORT CHURCH	Sakonnet Point (3 sections) private club/private/private	*
Gray (#107)	2 16" MkIIMI CB M3 1942-1948 early design, West Res. partially buried,	Sakonnet Golf Clu
Reilly	2 8" Mk3A2 CB M1 1942-1947 East Res., completely buried	
#212	2 6" 1903A2 SB M1 1943-1948 South Res., Warren Point, private, built	on
unnamed	2 155 mm PM	

			Reference Guide
FORT ADAMS	Newport 1824	state park, N	Navy housing MF, MC ****
Greene	8 12" 1890MI M 1896	MI 1898-1943	renamed Gilmore in 1940
Edgerton	8 12" 1890MI M 1896	MI 1898-1943	One M1890 mortar
Reilly	2 10" 1888MII D 1896	1899-1917	
unnamed	1 8" Rod	1898-	
Bankhead	3 6" Armstr Armstro	ong 1907-1913	guns from Greble, Screven, Moultrie
Talbot	2 4.7" Armstr Armstro	U	one 4.7 gun is in Equality Park, Newport
Belton	2 3" 1903 P 1903	1907-1925	
FORT WETHERILL	Conanicut Is. 1900-1945		MF, MC * *
Varnum	2 12" 1888 B 1892	1901-1943	
Wheaton	2 12" 1900 D 1901	1908-1945	
Walbach	3 10" 1888MII D 1896		
Zook	3 6" 1903 D 1903		
Dickenson	2 6" 1900 P 1900	1908-1947	modified WW II
Crittenden	2 3" 1902 P 1902	1908-1946	modified w w 11
		98MI 1901-1920	
Cooke			1:C - 1 - 1 1 2 : A A L 1 1
AMTB 923	2 90 mm M1 F M3	194? NC	modified old 3-in AA blocks
FORT GETTY	Conanicut Island 1903	Jamestown o	лту ратк
Tousard	3 12" 1900 D 1901	1910-1942	partially buried
House	2 6" 1900 P 1900	1910-1942	guns & carr. & name to Ft. Varnum, now mostly bur
Whiting	2 3" 1903 P 1903	1910-1942	guns & carr. & name to Ft. Burnside
Armistead (3)	2 3" 1903 P 1903	1943	Whiting empl., guns & carr from Varnum
AMTB 922	2 90 mm M1 F M3	1943-1946	#1 block buried
FORT BURNSIDE	Beavertail 1940-1948	state park	***
#110	2 16" CB	Not Built	
#213	2 6" 1905A2 SB M1	1943-1948	
Whiting (2)	2 3" 1903 P 1903	1942-1946	
FORT GREBLE	Dutch Island 1863	state land/pai	·k MF, MC ***
Sedgwick	8 12" 1890MI M 1896	MI 1901-1942	
Hale	3 10" 1898MII D 1896	1898-1942	
Mitchell	3 6" 1903 P 1903	1905-1917	
	1 6" Armstr Armstro	ong 1898 NC	dest. replaced by new 6" battery, gun to Ft. Adams
Ogden		98MI 1900-1920	, , , , , ,
FORT KEARNY	Saunderstown 1904	state universit	v campus **
French	4 6" 1905 D 1903		research facility built on middle of battery
Cram	2 6" 1905 D 1903	1908-1943	buildings in emplacements
Armistead	2 3" 1903 P 1903	1908-1942	guns & carr & name to Ft. Varnum, now built on
FORT VARNUM	Boston Neck 1941	National Gua	
House	2 6" 1900 P 1900	1942-1947	guns from Ft. Getty
Armistead (2)	2 3" 1903 P 1903	1942-1943	guns from Ft. Kearny, then sent to Getty
AMTB 921	2 90 mm M1 F M3	1943-1946	guis from 1 t. Rearry, their sent to detty
FORT GREENE	Point Judith (3 sections)		**
Hamilton (#108)	2 16" MkIIMI CB M4	1943-1948	early design, East Res., National Guard/Reserve
#109	2 16" CB M4		, e
			West Res., guns were on site, state park
#211		1945-1948	South Res., city park, entrances buried, erosion threa
unnamed	4 155 mm PM		mostly buried
	Other locations	1017 1017	X X
unnamed?	2 4.7" Armstr Armstro	•	Sachuest Point?
AMTB 924	90 mm F	Not Built?	
AMTB 923	2 90 mm M1 F M3	1943?	Brenton Point, moved to Ft. Wetherill?
unnamed	4 155 mm PM		Brenton Point, 3 mounts destroyed
The Harbor Defenses of	Long Island Sound		
FORT MANSFIELD	Napatree Point, R.I. 190	0 state park	**
[#114]	2 16" CB	Not Built	near Watch Hill, original site at Ft. Terry
Wooster	2 8" 1888 D 1896	1901-1917	<u>.</u>
Crawford	2 5" 1897 BP 1890		
Connell	2 5" 1900 P 1903	1901-1917	mostly destroyed, in surf
	other Connecticut sites		X
AMTB 915	2 90 mm M1 F M3	1943-1946	Pine Island, state land
AMTB 914	2 90 mm M1 F M3	1943-1946	Goshen Point, covered, Harkness State Park
unnamed	4 155 mm PM	1/7/1/1740	
umameu	4 177 HHII FIVI		Oak's Inn Military Reservation

208	<u>American Seacod</u>	<u>ist Defense</u>	S		
FORT H.G. WRIGHT	Fisher's Island	1899	private	MF, MC	****
Dynamite	1 15"	Pne	?	Race Point	
Clinton	8 12" 1890MI	M 1896MI	1902-1943	partially buried	
Butterfield	2 12" 1895	D 1897	1901-1945	partially. buried	
Barlow	2 10" 1895	D 1896	1901-1939	partially buried	
Dutton	3 6" 1897MI	D 1898	1901-1945	partially buried	
Hamilton	2 6" 1903	D 1903	1905-1917		
Marcy	2 6" 1903	D 1903	1906-1917		
#215	2 6" 1903A2	SB M1	1943-1946	Race Point	
Hoffman	2 3" 1902	P 1902	1906-1946		
Hoppock	2 3" 1903	P 1903	1905-1946	guns replaced once	
AMTB 913	2 90 mm M1	FM3	1943-1946	buried	
-	Fisher's Island (o	ther sites)	private		* *
#111	2 16"	CB M4/M5	5 194? NA	guns were on site, Wilderness Pt. (Mt.	Prospect)
#214	2 6"	SB M4	194? NA	Wilderness Point, built on	
unnamed	4 5"	P + BP	1917-1919	NB?, North Hill	
New Hackleman	2 3" 1903	P 1903	1944-1946	North Hill	
AMTB 916	2 90 mm M1	FM3	Not Built?	East Point	
FORT MICHIE	Great Gull Islan	d 1896-1948	bird sanctua	ry MC	* * *
J.M.K. Davis	1 16" 1919	D 1917	1923-1945	ARF	
Palmer	2 12" 1895	D 1897	1900-1945		
North	2 10" 1888MI	II D 1896	1900-1918	destroyed for Davis	
Benjamin	2 6" 1900	P 1900	1908-1947		
Maitland	2 6" 1900	P 1900	1908-1947		
Pasco	2 3" 1903	P 1903	1905-1934		
AMTB 912	2 90mm M1	FM3	1943-1946		
FORT TERRY	Plum Island		USDA Anin	nal Disease Lab MF, MC	****
Stoneman	8 12" 1890Ml	M 1890MI	1901-1943		
Steele	2 10" 1888MI	II D 1896	1900-1942		
Bradford	2 6" 1897MI	D 1898	1901-1944		
Floyd	2 6" 1903	D 1903	1906-1917		
Dimick	2 6" 1903	D 1903	1905-1917		
#217	2 6"	SB M4	194? NC		
Kelly	1 5" 1900	P 1903	1900-1917	partially buried	
&	1 4.7" Armstr	Armstrong		later replaced by 5" P 1903	
Hagner	2 3" 1903	P 1903	1906-1932	mostly destroyed	
Eldridge	2 3" 1903	P 1903	1906-1946		
Dalliba	2 3" 1903	P 1903	1905-1946		
Greble	2 3" 1902	P 1902	1905-1932		
Campbell	2 3" 1903	P 1903	1905-1934	partially destroyed	
AMTB 911	2 90 mm M1	FM3	1943-1946	Plum Island	
unnamed	4 155 mm	PM			
FORT TYLER	Gardiner's Point	Island	former Navy t	arget range	*
unnamed	2 8"	Rod	1898 NA	entire fort partially destroyed	
Edmund Smith	2 8" 1888	D 1894	1898 NA		
&	2 5"	P	1898 NA		
CAMP HERO	Montauk Point	1929	FAA radar sta	ı., state park	*
Dunn (#113)	2 16" MkIIM	I CB M4	1944-1948	entrances covered	
#112	2 16" MkIIM	I CB M4	1944-1948	entrances covered	
#216	2 6" 1903A2	SB M1	1944-1947	entrances covered	
The Harbor Defenses o	f Eastern New York				
FORT SLOCUM	Davids Island 1	863-(1928)		leveled for redevelopment	<u>X?</u>
Haskin	8 12" 1886	M 1891	1897-1919		
Overton	8 12" 1886	M 1891	1897-1919	Pit A destroyed	
"Practice"	2 8"	Rod	1896-1899	1 orig. 15" SB, partially buried	
Kinney	2 6" 1900	P 1900	1904-1917	destroyed, guns to Tilden	
Fraser	2 5" 1900	P 1903	1901-1917	destroyed	

					Reference Galae	
FORT SCHUYLER	Thr	rog's Neck 183	3-(1928) N	New York State	e Maritime Acadamy MC	*
Gansevoort	1	12" 1888MI		1899-1935	1 empl. destr., 1 empl. buried	
&	1	12" 1895	D1897		1	
Hazzard	2	10" 1888MI		1898-1930	destroyed	
Bell	2	5" 1897	BP 1896	1900-1917	destroyed	
Beecher	2	3" 1898	MP 1898MI		destroyed	
FORT TOTTEN		illet's Point 18		city park	MF, MC	****
King	8	12" 1890MI		1900-1935	buried	
Mahan	2	12" 1895	D 1897	1900-1918	buried	
Graham	2	10" 1888	D 1894MI	1897-1918		
Sumner	1	8" 1888MI		1899-1918		
&	1			1099-1910		
		8" 1888MII		1000 1017		
Stuart	2	5" 1897	BP 1896	1899-1917	2 D M 1002 1020	
Baker	4	3" 1898	MP 1898MI		2 P M1903 replaced during 1920s?	
Burnes	2	3"	P	1904-1946?		
The Harbor Defenses of S	South	nern New York				
FORT TILDEN	Ro	ckaway 1926-	1945	Gateway Nat	ional Recreation Area	* * *
Harris	2	16" 1919	B 1919	1924-1948	casemated WWII	
unnamed	4	12" 1896MI	M 1896MI	1917-1919	at NAS Rockaway	
Kessler (West)	2	6" 1900	P 1900	1917-1947	from Kinney, Slocum, rebuilt 1941-42	
Ferguson (East)	2	6" 1900	P 1900	1917-1942	from Burke, Hamilton, b uried	
#220	2	6"	SB M1	1942-1946	part. buried, NA?	
FORT HAMILTON		st Narrows, Bro		Army Post	parti danea, 1 i i	X
Piper	8	12" 1890MI	•	1901-1942	(all Hamilton emplacements have been-	
Brown	2	12" 1895	D 1897	1902-	destroyed or buried)	
	2	12" 1895	D 1897	1902-	destroyed of buried)	
Doubleday						
Neary	2	12" 1888MII		1900-1937		
Gillmore	4	10" 1888/95		1899-1942	originally 7 empl., 3 later designated Spear	
Spear	3	10" 1888	D 1894	1898-1917		
Burke	4	6" 1900	P 1900	1903-1917?	2 guns to Tilden1917	
Livingston	2	6" 1903	D 1903	1905-1920?	guns to West Point	
&	2	6" 1900	P 1900	1905-1948		
Johnston	2	6" 1900	P 1900	1902-1943		
Mendenhall	4	6" 1903	D 1903	1905-1917		
Griffin	2	4.7" Armstr	Armstrong	1899-1913		
&	2	3" 1898	MP 1898MI	1902-1920		
&	2	3" 1903	P 1903	1903-1946		
FORT WADSWORTH	We	est Narrows, St	aten Is. 1821	Gateway NR.	A, Federal Empl. Housing MF, MC	****
[#115]	2	16"	CB	Not Built		
Ayres	2	12" 1895	D 1897	1901-1942	partially buried	
Dix	2	12" 1900	D 1901	1902-1944	r,	
Hudson	2	12" 1888MII		1899-1944	partially buried	
Richmond	2	12" 1888	D 1896	1899-1942	partially buried	
Barry	2	10" 1888	D 1896	1899-1918	partially buried	
•		10" 1888	D 1896	1899-1918	namially busind	
Upton	2	8"			partially buried	
unnamed	2		Rod	1898		
Duane	5	8" 1888/MII		1897-1915	magazines removed, 1 empl. destroyed	
Barbour	2	6" Armstr	Armstrong	1898-1920	1 empl. buried	
&	2	4.7" Armstr	Armstrong	1898-1920	1 empl. buried, 1 partially buried	
Mills	2	6" 1897MI	D 1898	1900-1943	both emplacements partially buried	
#218	2	6"	SB M1	1943 NA	-1958?	
Catlin	6	3" 1903	P 1903	1904-1942		
Bacon	2	3" 1898	MP 1898MI	1899-1918		
Turnbull	6	3" 1902	P 1902	1903-1944	later 2 guns removed, partially buried	
New Turnbull (#14)	4	3" 1902	P 1902	1942-1946	covered	

<i>2</i> 10	<u> Amer</u>	<u>ican seacoa</u>	<u>si Dejenises</u>		
FORT HANCOCK	Sai	ndy Hook, N.J	[. 1885	Gateway Nat	tional Recreation Area, USCG MF, MC ****
Proving Ground		- various	various	1890-1920	Proving Ground moved to Aberdeen, 1920
Dynamite		15"	Pne	1896-1902	USCG shooting range
&	1	8"	Pne	1896-1902	mine casemate 1921
Potter	2	12" 1888	GLC 1891	1890-1907	mine casemate 1/21
McCook	8	12" 1886	M 1891	1898-1923	advanced HECP-HEDP post 1943
Reynolds	8	12" 1886	M 1891	1898-1918	advanced FIECT-FIEDT post 1743
Alexander	2	12" 1888/MI		1899-1943	
Bloomfield		12" 1888M1			1 M1000MI 1/2
	2			1899-1944	1 gun M1888MI-1/2
Richardson		12" 1900	D 1901	1904-1944	110/2
Kingman	2	12" 1895MI		1922-1946	casemated 1943
Mills	2	12" 1895MI		1922-1946	casemated 1943
Halleck	3	10" 1888/MI		1898-1944	one gun removed 1910s
Granger	2	10" 1888	D 1896	1898-1940s	
Arrowsmith	3	8" 1888MI		1909-1921	partially destroyed
Peck	2	6" 1900	P 1900	1903-1946	guns and carr. relocated '43 to Gunnison site
Gunnison	2	6" 1903	D 1903	1905-1943	extensively rebuilt for Peck's guns
Peck "II" /New Peck	2	6" 1903	D 1903	1943-1946	(ex-Gunnison), guns repl 1976 Still Emplaced being restored
Engle	1	5" 1897	BP 1896	1898-1917	CRF built on empl.
unnamed	1	4.7"	P	1898	temporary (Schneider)
Urmston	4	3" 1898	MP 1898MI		1 / 1
&	2	3" 1903	P 1903	1904-1946	built between original two emplacement sets
Morris	4	3" 1903	P 1903	1904-1946	ount between original two emplacement sets
New Urmston (#6)	2	3" 1903	P 1903	1942-1946	partially covered
AMTB #7	2	90 mm M1	F M3	1943-1946	partially covered
AMTB #8	2	90 mm M1	F M3		on ex-Peck
				1943-1946	
-					ds Monificatii County Lark
Lewis (#116)		16" MkIIM1		1944-1948	renovated 2018, 16" navy MkVII barrel in emplacement
unnamed		12" 1890MI		1917-1920	only one empl. remains uncovered
#219	2	6" 1903A2		1944-1949	
		other s			* ?
[#117]	2	16"	CB	Not Built	Nigger Pt. (now JFK Airport)
#20	2	3" 1902	P 1902	1942-1946	Rockaway Point
New Catlin (#18)	4	3" 1903	P 1903	1942-1946	Norton Point, buried
AMTB	2	90 mm M1	F M3	1943-1946	Rockaway Point
AMTB #19	2	90 mm M1	FM3	1943-1946	Norton Point, buried
AMTB	2	90 mm M1	FM3	1943-1946	Miller Field
AMTB #12	2	90 mm M1	FM3	1943-1946	Swinburne Island
The Harbor Defenses	of the D	Delaware			
FORT MOTT	Fi	nns Point, N.J.	. 1900	state park	***
Arnold	3	12" 1888MII	I D 1896	1899-1943	
Harker	3	10" 1888	D 1894	1899-1941	guns and carr to Canada, barrels remain in Canada
Gregg	2	5" 1900	P 1903	1901-1910	
Krayenbuhl	2	5" 1897	BP 1896	1900-1918	
Edwards	2	3" 1900 DS		1902-1920	
FORT DELAWARE		Patch Island 1		state park	MC ***
Torbert	3	12" 1895	D 1896	1901-194?	guns to Battery Reed, Puerto Rico
Dodd		4.7" Armstr			guils to Dattery Reed, I deito Rico
	2		Armstrong	1899-1918	
Hentig	2	3" 1903	P 1903	1901-1942	
Alburtis	2	3" 1898	MP 1898MI		
Allen	2	3" 1898	MP 1898MI		
FORT DuPONT		elaware City, D		_	ic agencies, state park MF, MC ****
Rodney	8	12" 1890MI		1900-1941	
Best	8	12" 1890MI	M 1896MI	1900-1941	
Read	2	12" 1888	B 1892	1899-1918	emplacements split, Btty Gibson located between
Gibson	2	8" 1888	D 1896	1899-1917	one structure with Read
Ritchie	2	5" 1900	P 1903	1900-1917	destroyed
Elder	2	3" 1903	P 1903	1904-1942	relocated 1922 to Delaware Beach
Elder II	2	3" 1903	P 1903	1942-1942	Liston front range light
FORT SAULSBURY		ıghter Beach, I		rivate, Wildlife	
Hall	2	12" 1895MI		1918-1945	
Haslet		12" 1895MI		1918-1942	guns to Ft. Miles
	_	10//1111	/ -/	-, -0 -, 12	O

					Reference Guide	
Cape May M. R	Cap	oe May, NJ		state park	*	
#223	2	6" M1	SB M3	1944-1947	now in surf	
AMTB #7	2	90 mm M1	F M3	1943-1946	now in surf	
unnamed	4	155 mm	PM		in surf	
		her locations		1017 1010	X	
temporary	1	6"	P	1917-1919	C.G. base east of town, destroyed	
FORT MILES	<u> </u>	<u>pe Henlopen</u> 16" MkIIMI		state park 1943-1948	IVII; IVIC	_
Smith (#118)	2	16 WKIIWII 16"	CB M4	Not Built	early design	
[#119] #519	2	10 12" 1895MI		1944-1948	guns from Haslet (replaced #119), Museum rest	toration
π <i>)</i> 1 <i>)</i>	2	12 10/ JIVII	CD 1717	1744-1740	12 in navy barrel in casemate 2010	toratio
unnamed	4	8"	RY		covered/buried	
unnamed	4	8"	RY		covered/buried	
temporary	1	6" 1900	P 1900	1917-1918	Cape Henlopen M.R. from Ft. St. Phillip	
Herring (#221)	2	6" 1903A2	SB M1	1944-1948	earthen cover removed	
Hunter (#222)	2	6" 1903A2	SB M1	1943-1947		
Exam	4	3" 1903	P 1903	1942-1946	mostly buried	
AMTB #5A	2	90 mm M1	F M3	1943-1946	mostly buried	
AMTB #5B	2	90 mm M1	F M3	1943-1946	1 block covered by parking lot	
unnamed	4	155 mm	PM		71 0	
					one 16" navy MkVII barrel on display 2012	
Γhe Harbor Defenses of	Baltii	more			, , , ,	
FORT HOWARD	No	orth Point 19	00-(1928)		county park MF, MC * * *	* *
Key	8	12" 1890MI	M 1896MI	1900-1927		
Stricker	2	12" 1888	D 1896	1899-1918		
Nicholson	2	6" 1897	D 1898	1900-1927		
Harris	2	5"1897	BP 1896	1900-1917		
Clagett	2	3" 1898	MP 1898MI			
Lazear	2	3" 1898	MP 1898MI		destroyed	
FORT CARROLL		ller's Point Flat		-	**	-
Towson	2	12" 1888	B 1892	1900-1918		
Heart	2 2	5" 1897 3" 1898	BP 1896	1900-1917		
Augustin FORT ARMISTEAD		3 1898 <u>wkins Point 18</u>	MP 1898MI		MC **	
Winchester	<u>па</u> 1	12" 1888	D 1896	city park 1900-1918	MC	-
McFarland	3	8" 1888	D 1894	1900-1918		
Irons	2	4.7"Armstr	Armstrong	1900-1917		
Mudge	2	3" 1898	MP 1898MI		partially destroyed	
FORT SMALLWOOD		ock Point 1890		city park	*	
Hartshorne	2	6" 1897	D 1898	1900-1927		
Sykes	2	3" 1902	P 1902	1905-1927	destroyed	
-,					,	
The Harbor Defenses of	the P	otomac				
FORT WASHINGTON	ea	ıst bank, MD	1814-(1928)	1947 Capital	National Park Area MF, MC * * *	* *
Meigs	8	12" 1890MI	M1896MI	1902-1914		
Decatur	2	10" 1888	D 1894	1899-1918		
Emory	2	10" 1888	D 1894	1898-1929		
Humphreys	2	10" 1888MII	D 1896	1899-1929		
Water	1	10" 1888	B 1893	1898-1898		
Wilkin	2	6" 1897	D 1898	1902-1928		
			D.C.	1900 1021		
White	2	4" Dri-Schr	P Crampton	1077-1721		
		3" 1898	MP 1898MI			
White	2					
White Smith Many	2 2 2	3" 1898 3" 1902	MP 1898MI P 1902	1903-1920 1905-1928	ational Park Area **	_
White Smith Many	2 2 2	3" 1898 3" 1902	MP 1898MI P 1902	1903-1920 1905-1928	ational Park Area **	_
White Smith Many FORT HUNT Mount Vernon Porter	2 2 2 we	3" 1898 3" 1902 est bank, VA 18 8" 1888MI 5" 1897	MP 1898MI P 1902 899-(1928)193	1903-1920 1905-1928 33 Capital Na	ational Park Area **	-
White Smith Many FORT HUNT Mount Vernon	2 2 2 we	3" 1898 3" 1902 est bank, VA 18 8" 1888MI	MP 1898MI P 1902 899-(1928)193 D 1894	1903-1920 1905-1928 33 <u>Capital Na</u> 1898-1917 1901-1917 1901-1917	ational Park Area **	-

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The Harbor Defenses of		(10202)	1 1	ME MC	****
FORT CASWELL	Oak Island 8 12" 1886	(-1928?) M 1891	church camp	MF, MC	
Bagley Caswell		В 1892	1903-1925 1899-1925	1 gun replaced 1912	
Swift	2 12" 1888 3 8" 1888	D 1894	1898-1920	modified for swimming pool 2 guns removed 1917	
& &	1 8" 1888	D 1894 D 1896	1090-1920	2 guils removed 1917	
New Madison	2 6" 1903	D 1903	1905-1917		
McDonough	1 5" 1897	BP 1896	1902-1905	gun to Shipp	
Shipp	2 5" 1897	BP 1896	1901-1919	originally 1 emplacement	
Madison	1 4.7" Armstr		1899-1904	guns to Screven	
McKavett	2 3" 1898	0	1903-1920	guis to seleven	
New McDonough	2 3" 1902	P 1902	1904-1925		
unnamed	4 155mm	FM	1942-1944	Kure Beach, Temp. HD Wilmington	
The Harbor Defenses o	f Charleston				
Marshall Military Reserv		nd (-1947) - pr	ivate		*
#520	2 12" 1895M		1944-1947	guns from Kimble, Travis, modified	
unnamed	4 155 mm	PM		<i>g</i>	
FORT MOULTRIE	Sullivan's Island	1776-(1947)	Fort Sumter N	J.H.M. , private MF, MC	****
[#125]	2 16"	СВ	Not Built	James Island	
Capron	8 12" 1886	M 1891	1898-1942		
Butler	8 12" 1886	M 1891	1898-1942		
Jasper	4 10" 1888M	I D 1896	1898-1942	0ne gun M1888MII	
Thomson	2 10" 1900	D 1901	1906-1945	used by Fire Department	
Gadsen	4 6" 1903	D 1903	1906-1917	magazine area used as library	
Logan	1 6" Armstr	Armstrong	1898-1904	removed 1904	
&	1 6" 1897MI		1906-1944		
#230	2 6"	SB M4	1943 NA		
Bingham	2 4.7" Armstr	Armstrong	1899-1918	1 gun replaced 1980 Still Emplaced	
McCorkle	2 3" 1898		1899-1943	1 gun replaced 1980 <u>Still Emplaced</u>	
Lord	2 3" 1902	P 1902	1899-1946	destroyed	
AMTB #2	2 90 mm M1	FM3	1943-1946	on Jasper's parapet	
FORT SUMTER	artifical island	1842-(1947)	Fort Sumpter	National Historic Monument	* *
Huger	1 12" 1888M		1906-1943	built over	
&	1 12" 1888M	II B 1892	1906-1943		
AMTB #1	2 90 mm M1	F M3	1943-1946	covered	
The Harbor Defenses o					
FORT FREMONT	St. Helena (nov				**
Jesup	3 10" 1888MI		1899-1914	1 gun M1895	
Fornance	2 4.7" Armstr		1899-1913	built on	u.
Ft. Welles	Hilton Head Isla		1007 114	. 11 1 1	
Dynamite	2 15"	Pne	1897 NA	partially destroyed	
unnamed	2 8"	Rod	1898	partially destroyed	
The Harbor Defenses of FORT SCREVEN	f Savannah Tybee Island 18	207 (1028)	private	MF, MC	***
Habersham	•	M 1896MI	1900-1928	MI, MC	
Garland	1 12" 1888	B 1892	1899-1920	now a museum	
Fenwick	1 12 1888	B 1892	1898-1920	home built on	
Brumby	4 8" 1888	D 1892 D 1894	1899-1917	home built on (#3 intact)	
Backus	1 6" Armsrtr	Armstrong	1899-1917	later rearmed with 4.7-in	
&	2 4.7" Armstr	-	1899-1920	home built on	
Gantt	2 4.7 Affisti 2 3" 1898	U	1904-1920	home built on 2003	
unnamed	4 155mm	FM	1942-1944	Temp. HD of Savannah	
Fort Pulaski	4 177111111	1.141		-	**
unnamed	1 8" 1888	B 1892	1898-1899	oric Monument located on demilune, + 2-15 in Rodmans	
Hambright	2 3"	MP	1903 NA	iocacci on definitine, + 2-1) iii Rodillalls	
Tamongill	Other location	1711	1703 1111		X
unnamed	2 4.7" Armstr	Armstrong	1898-1899	Wassaw Island, guns to Screven, parially dest	
3	2 1., minstr		10,0 10,7	named Battery Henry Sims Morgan by GA is	

		<u>ican Seacoa.</u>	<u>si Dejenses</u>		
The Harbor Defenses of					**
unnamed	2	8"	Rod	1898-1899	St. John's Bluff
unnamed		155mm	FM	1942-1944	Mayport
The Harbor Defenses o	n the S				**
unnamed	1	8"	Rod	1898-1900	Fort Clinch
<u>emporary Harbor Defe</u>			ıle		?_
unnamed	4	155mm	FM	1942-1944	
emporary Harbor Defe	enses of	Miami Beach			<u>?</u>
unnamed	4	155mm	FM	1942-1944	
he Harbor Defenses o					
ORT TAYLOR		West 1846-			val Reservation *
Seminole	8	12" 1890MI	M 1896MI	1904-1943	
Osceola	2	12" 1888	B 1892	1900-1944	
DeLeon	4	10" 1888	D 1896	1904-1940	destroyed 1962
Covington	2	8" 1888	D 1894	1904-1917	destroyed 1962
DeKalb	2	6" 1900	P 1900	1906-1917	destroyed 1950s
#231	2	6"	SB M4	194? NA	status?
Gardiner	2	4.7" Armstr	Armstrong	1898-1913	destroyed 1962
Ford	2	3" 1903	P 1903	1906-1946	destroyed 1964
Dilworth	2	3" 1898	MP 1898MI		destroyed 1970s
Adair	4	3" 1898	MP 1898MI		7
AMTB #5	2	90mm M1	F M3	1943-1946	1 empl. on Adair
unnamed	4	155 mm	PM	1940-1942	2 guns to Miami Beach, destroyed
u		her locations	1171	1/10 1/74	*
#232	2	6" M1	SB M3	1944-1946	east of Martello Tower, Salt Ponds M.R. (airport)
Inman	2	3" 1903	P 1903	1906-1946	inside West Martello Tower
AMTB #6	2	90 mm M1	F M3	1943-1946	near West Martello Tower
unnamed	4	155mm	PM	1942-1942	West Martello Tower
unnamed	4	155mm	PM	1943-1944	near East Martello Tower
The Harbor Defenses o	Egi	mont Key 189 8"	9-(1928) Rod	state park (19	
unnamed	2 2			1899-1900	guns to McIntosh, Mellon built over
		8" 1888	D 1896	1900-1923 190?-1926	damaged by surf
McIntosh				1907-1976	1 11 6
Howard	2	6" 1903 6" A	D 1903		damaged by surf erosion
Howard Burchsted	2 2	6" Armstr	Armstrong	1899-1919	guns & carr. to Ft. DeSoto 1980, broken up in the gulf
Howard Burchsted &	2 2 1	6" Armstr 3" 1898	Armstrong MP 1898MI	1899-1919 1904-1920	
Howard Burchsted & Mellon	2 2 1 3	6" Armstr 3" 1898 3" 1898	Armstrong MP 1898MI MP 1898MI	1899-1919 1904-1920 1904-1920	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf
Howard Burchsted & Mellon Page	2 2 1 3 2	6" Armstr 3" 1898 3" 1898 3" 1903	Armstrong MP 1898MI MP 1898MI P 1903	1899-1919 1904-1920 1904-1920 1910-1919	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf
Howard Burchsted & Mellon Page ORT DE SOTO	2 2 1 3 2 Mu	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901	Armstrong MP 1898MI MP 1898MI P 1903 -(1928)	1899-1919 1904-1920 1904-1920 1910-1919 County Park	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 **
Howard Burchsted & Mellon Page ORT DE SOTO Laidley	2 2 1 3 2 Mu 8	6" Armstr 3" 1898 3" 1898 3" 1903 <u>allet Key 1901</u> 12" 1890MI	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow	2 2 1 3 2 Mu	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901	Armstrong MP 1898MI MP 1898MI P 1903 -(1928)	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display"	2 2 1 3 2 Mu 8 2	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901 12" 1890MI 3" 1898	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow	2 2 1 3 2 Mu 8 2	6" Armstr 3" 1898 3" 1898 3" 1903 <u>allet Key 1901</u> 12" 1890MI	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed	2 2 1 3 2 Mu 8 2	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901 12" 1890MI 3" 1898	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa
Howard Burchsted & Mellon Page FORT DE SOTO Laidley Bigelow "modern display" unnamed	2 2 1 3 2 Mu 8 2	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901 12" 1890MI 3" 1898	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed	2 2 1 3 2 Mu 8 2 4	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901 12" 1890MI 3" 1898 155mm	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed	2 2 1 3 2 Mu 8 2 4	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901 12" 1890MI 3" 1898	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed	2 2 1 3 2 Mu 8 2 4	6" Armstr 3" 1898 3" 1898 3" 1903 allet Key 1901 12" 1890MI 3" 1898 155mm	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses o	2 2 1 3 2 Mu 8 2 4 4 2 2 2 2 of Pensa	6" Armstr 3" 1898 3" 1898 3" 1903 alllet Key 1901 12" 1890MI 3" 1898 155mm	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 NA	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses o ORT PICKENS	2 2 1 3 2 Mu 8 2 4 2 2 2 of Pensa Sar	6" Armstr 3" 1898 3" 1898 3" 1903 alllet Key 1901 12" 1890MI 3" 1898 155mm	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 NA Gulf Islands N	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses o ORT PICKENS Langdon	2 2 1 3 2 Mu 8 2 4 2 2 of Pensa 2	6" Armstr 3" 1898 3" 1898 3" 1903 alllet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 155 mm	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM B 1917	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses o ORT PICKENS Langdon Worth	2 2 1 3 2 Mu 8 2 4 4 2 2 2 of Pensa Sar 2 8	6" Armstr 3" 1898 3" 1898 3" 1903 alllet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 155 mm 152" 1895MI 12" 1890MI	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM B 1917 M 1896MI	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses o ORT PICKENS Langdon Worth Pensacola	2 2 1 3 2 Mt 8 2 4 2 2 of Pensa 2 8 2 8 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 1cola 12" 1895MI 12" 1890MI 12" 1890MI 12" 1890MI	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1 1845-(1947) B 1917 M 1896MI D 1897	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed The Harbor Defenses o ORT PICKENS Langdon Worth Pensacola Cullum	2 2 1 3 2 Mt 8 2 4 2 2 of Pensa 2 8 2 2 8 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 1cola nta Rosa Island 12" 1895MI 12" 1890MI 12" 1895 10" 1888	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed winnamed The Harbor Defenses o ORT PICKENS Langdon Worth Pensacola Cullum Sevier	2 2 1 3 2 Mt 8 2 4 4 2 2 2 8 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 1cola 12" 1895MI 12" 1890MI 12" 1895 10" 1888 10" 1888	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1894	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918 1898-1934	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed The Harbor Defenses of ORT PICKENS Langdon Worth Pensacola Cullum Sevier Cooper	2 2 1 3 2 Mt 8 2 4 4 2 2 2 8 2 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 1cola nta Rosa Island 12" 1895MI 12" 1895MI 12" 1895 10" 1888 10" 1888 6" 1903	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1903	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918 1898-1934 1906-1917	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942 1 gun repl. 1976, (from West Point) Still Emplaced
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed The Harbor Defenses o ORT PICKENS Langdon Worth Pensacola Cullum Sevier Cooper #234	2 2 1 3 2 Mt 8 2 4 4 2 2 2 2 2 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 1cola 12" 1895MI 12" 1890MI 12" 1895 10" 1888 10" 1888 6" 1903 6"	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1894 D 1903 SB M4	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1935 1898-1918 1898-1934 1906-1917 1943 NA	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942 1 gun repl. 1976, (from West Point) Still Emplaced 2 guns repl. 1976 (from Ft. J. Custis) Still Emplaced
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses o ORT PICKENS Langdon Worth Pensacola Cullum Sevier Cooper #234 Van Swearingen	2 2 1 3 2 Mt 8 2 4 4 2 2 2 8 2 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 1cola 12" 1895MI 12" 1890MI 12" 1895 10" 1888 10" 1888 6" 1903 6" 4.7" Armstr	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1894 D 1903 SB M4 Armstrong	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918 1898-1934 1906-1917 1943 NA 1898-1921	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL Sational Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942 1 gun repl. 1976, (from West Point) Still Emplaced 2 guns repl. 1976 (from Ft. J. Custis) Still Emplaced one gun & carr at Danielsville, GA
Howard Burchsted & Mellon Page ORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed Che Harbor Defenses o ORT PICKENS Langdon Worth Pensacola Cullum Sevier Cooper #234 Van Swearingen Trueman	2 2 1 3 2 Mtu 8 2 4 2 2 2 8 2 2 2 2 2 2 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 155 mm 12" 1895MI 12" 1895MI 12" 1895MI 12" 1895 10" 1888 6" 1903 6" 4.7" Armstr 3" 1902	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1894 D 1903 SB M4 Armstrong P 1902	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918 1898-1934 1906-1917 1943 NA 1898-1921 1905-1942	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL National Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942 1 gun repl. 1976, (from West Point) Still Emplaced 2 guns repl. 1976 (from Ft. J. Custis) Still Emplaced
Howard Burchsted & Mellon Page CORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed Che Harbor Defenses of CORT PICKENS Langdon Worth Pensacola Cullum Sevier Cooper #234 Van Swearingen Trueman Payne	2 2 1 3 2 Mt 8 2 4 4 2 2 2 8 2 2 2 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 155 mm 12" 1895MI 12" 1895MI 12" 1895MI 12" 1895 10" 1888 10" 1888 6" 1903 6" 4.7" Armstr 3" 1902 3" 1902	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1903 SB M4 Armstrong P 1902 P 1902	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918 1898-1934 1906-1917 1943 NA 1898-1921	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL Sational Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942 1 gun repl. 1976, (from West Point) Still Emplaced 2 guns repl. 1976 (from Ft. J. Custis) Still Emplaced one gun & carr at Danielsville, GA
Howard Burchsted & Mellon Page FORT DE SOTO Laidley Bigelow "modern display" unnamed Other Florida sites unnamed unnamed The Harbor Defenses of FORT PICKENS Langdon Worth Pensacola Cullum Sevier Cooper #234 Van Swearingen Trueman	2 2 1 3 2 Mtu 8 2 4 2 2 2 8 2 2 2 2 2 2 2 2 2 2	6" Armstr 3" 1898 3" 1898 3" 1903 Illet Key 1901 12" 1890MI 3" 1898 155mm 155 mm 155 mm 155 mm 12" 1895MI 12" 1895MI 12" 1895MI 12" 1895 10" 1888 6" 1903 6" 4.7" Armstr 3" 1902	Armstrong MP 1898MI MP 1898MI P 1903 -(1928) M 1896MI MP 1898MI FM PM PM PM 1845-(1947) B 1917 M 1896MI D 1897 D 1894 D 1894 D 1903 SB M4 Armstrong P 1902	1899-1919 1904-1920 1904-1920 1910-1919 County Park 1902-1921 1904-1920 1942-1944 1943-1944 NA Gulf Islands N 1923-1947 1899-1942 1899-1935 1898-1918 1898-1934 1906-1917 1943 NA 1898-1921 1905-1942	guns & carr. to Ft. DeSoto 1980, broken up in the gulf broken up in the gulf broken up in the gulf (1963 ** 4 M to Rosecrans 1918, 4 mortars Still Emplaced broken up in the gulf 2 - 6" Armstrong guns from Ft. Dade, Burchsted Passa Grill Beach, Temp. HD of Tampa X Temp. HD of Panama City, FL Port St Joe, FL Sational Seashore MF, MC **** casemated-WWII 4 guns removed 1918, HECP-HDCP 1943 modified for 2 - 3" from Trueman 1942 1 gun repl. 1976, (from West Point) Still Emplaced 2 guns repl. 1976 (from Ft. J. Custis) Still Emplaced one gun & carr at Danielsville, GA

1937-1945

4 155 mm PM

unnamed

					Reference Guide	
FORT McREE	Pe	rdido Key 18	43-(1947)	Gulf Islands N	Jational Seashore	* *
Slemmer	2	8" 1888	D 1896	1900-1918	partially buried	
#233	2	6"	SB M4	1943 NA		
Center	4	3" 1898	MP 1898MI	1901-1920	partially buried	
The Harbor Defenses of	Mobi	ile				
FORT MORGAN	M	obile Point 1	833-(1928)	state park	MF, MC	****
Dearborn	8	12" 1890MI	M 1896MI	1901-1928		
Duportail	2	12" 1888	D 1896	1900-1928		
Test	1	10" 1888	D 1896	1916-1918	mostly buried	
Bowyer	2	8" 1888	D 1894	1898-1918	1 gun in M1918 BC at University of Tamp	a, FL
&	2	8" 1888	D 1896			
Thomas	2	4.7" Armstr	Armstrong	1899-1918		
Schenck	2	3" 1898	MP 1898MI			
&	1	3" 1902	P 1902	1900-1923		
unnamed	2	155 mm	PM	1942-1944	1 covered	***
FORT GAINES		uphin Island		county park	11 0 "11	***
unnamed	2	8"	Rod	1898-1899	covered by Stanton #1	
Stanton	2	6" 1897 6" 1993	D 1898	1901-1928		
& Towart	1	6" 1903 3" 1909	D 1903	1001 1022		
Terrett	3	3" 1898	MP 1898	1901-1923		
						*
unnamed	2	155 mm	PM		Pacagoula, MS	
The Harbor Defenses of	the N	1ississippi				
FORT ST. PHILIP	no	orth bank 184	3-(1928) 1943	private	MF, MC	* * *
Pike	2	10" 1888	D 1896	1898-1919		
unnamed	2	8"	Rod	1898-1899	gun tubes to Ransom, Jackson, 1 built over	
Forse	2	8" 1888	D 1896	1899-1918		
Merrill	4	6" 1900	P 1900	1907-1920	later only 2 guns, 2 guns to Delaware R.	
Ridgely	2	4.7" Armstr	Armstrong	1899-1913		
Scott	2	3" 1898	MP 1898MI			
Brooke	2	3" 1898	MP 1898MI			
FORT JACKSON		uth bank 1832		parish park		* *
Ransom	2	8" 1888	D 1896	1899-1918		
Millar	2	3" 1898	MP 1898MI	1901-1920		
unnamed	2	155 mm	PM	1942-	Calcasieu Pass, LA	* ?
unnamed	2	155 mm	PM	1942-1945	Port Eads, LA, Temp. HD of New Orleans	
unnamed		155 mm	PM		Burrwood, LA, Temp. HD of New Orleans	;
unnamed	1	8"	Rod	1898-1899	Sabine Pass, TX, buried or destroyed?,	
unnamed		155 mm	PM	1942-	Sabine Pass, TX	
TI II I DC C	C 1					
The Harbor Defenses of FORT TRAVIS		eston divar Point (-	1947)	county park		* *
Kimble		12" 1895MI		1922-1943	guns to Moultrie	_
Davis	2	8" 1888	D 1896	1900-1918	deteriorating	
#236	2	6"	SB M1	194? NA	deterrorumg	
Ernst	3	3" 1898	MP 1898MI		converted to 3-in P	
FORT SAN JACINTO	Eo	rt Point (-19			g. prop MF, MC	*
Mercer	8	12" 1890MI		Corps of Eng 1898-1943	partially buried in mud	_
Heileman	1	10" 1888	D 1896 ARF		mostly destroyed & buried	
&	1	10" 1888	D 1896	10// 1/13	mostly destroyed & buried	
#235	2	6" 1905A2	SB M1	1944-1946	partially buried	
Hogan	2	4.7" Armstr		1898-1917	partially destroyed & buried	
Croghan	2	3" 1898	MP 1898MI		converted to 3-in P	
AMTB #4	2	90 mm M1	F M3	1943-1946	buried	
FORT CROCKETT		alveston (-19		private, feder		* * *
Hoskins	2	12" 1895MI		1924-1946	casemated WWII, now built on	
Izard	8	12" 1890MI		1902-1943	destroyed	
Hampton	2	10" 1895	D 1896	1899-1943	destroyed	
Laval	2	3" 1898	MP 1898	1902-1946?	converted to 3-in P, partially covered	
					- •	

			J		*
	2	6" Navy	Navy P		Freeport, TX, WWII temp?
unnamed	2	155 mm	PM	1942-	Freeport, TX
unnamed	2	155 mm	PM	1942-	Port Aransas, TX
The Harbor Defenses of	San I	Diego			
FORT EMORY	<u>Cc</u>	<u>oronado Heigh</u>		Former Nav	y radio facility, current training site **
#134	2	16"	CB	1944 NC	unofficially named Gatchell, destroyed 2016
Grant (#239)	2	6" 1905A2	SB M1	1943-1946	
Imperial	4	155 mm	PM		
AMTB Cortez	2	90 mm M1	F M3	1943-1946	Coronado Beach MR, Silver Strand, destroyed
FORT PIO PICO	N	orth Island 19	06-1919 (to N	Navy 1935) Na	aval Air Station X
Meed	2	3" 1903	P 1903	1902-1919	guns to Rosecrans, destroyed
AMTB Pio Pico	2	90 mm M1	F M3	1942-1943	guns later moved to AMTB Fetterman
FORT ROSECRANS	<u>Poi</u>	nt Loma 1899	9-1958	Navy Base, N	Iatl. Cem., Cabrillo N.M. MF, MC * * *
Ashburn (#126)	2	16" MkIIMI	CB M4	1943-1948	modified
Whistler	4	12" 1890MI	M 1896MI	1916-1942	guns from DeSoto, extensively modified
White	4	12" 1890MI	M 1896MI	1916-1942	
Wilkeson	2	10" 1888	D 1896	1900-1943	
Calef	2	10" 1888	D 1896	1900-1943	1 gun M1895
Strong	2	8" MkVI3A2	2 B M1	1941-1946	
#237	2	6" 1903A2	SB M1	1943-1946	unofficially "Woodward," Generators still in pl
Humphreys (#238)	2	6" 1903A2	SB M1	1943-1946	-
Zeilin	2	7" Navy	Navy P	1937-1943	buried
Gillespie	3	5" Navy	Navy P	1937-1943	No. 1 empl dest., 2 & 3 remain overgrown
McGrath	2	5" 1897	BP 1896	1900-1943	repl. by 2-3" guns from Pio Pico, 1919
Fetterman	2	3" 1898	MP 1898MI	1900-1917	destroyed July 1940
AMTB Fetterman	2	90 mm M1	FM3	1943-1946	guns from Pio Pico, destroyed
AMTB Cabrillo	2	90 mm M1	FM3	1943-1946	destroyed
Point Loma	4	155 mm	PM		·
The Harbor Defenses of	I oc A	ngalas			
Bolsa Chica Military Rese			f Huntington	Beach p	rivate, state reserve X
#128	2	16"	CB	1944 NC	destroyed
#128 Harrison (#242)	2	6" M1	SB M4	1944-1948	destroyed
unnamed	2	155 mm	PM	1944-1948	destroyed
					r Force housing, city park **
Osgood	эррег 1	14" 1910	D 1907MI	1917-1944	gun remodeled 1923, being restored
Farley	1	14" 1910	D 1907MI	1917-1944	guii remodered 1723, being restored
Leary	1	14" 1910MI		1917-1944	converted to HECP, 1944
Merriam	1	14" 1910MI		1917-1944	converted to HECP, 1944
"Erwin"	2				1 empl. L.R. (covered), 2 empl. L.R. (destroyed
Barlow	4	12" 1912	M 1896MIII		r empi. E.R. (covered), 2 empi. E.R. (destroye
Saxton	4	12" 1912	M 1896MIII		
#241	2	6" M1	SB M4	1948-1956	armed post-war, Generators still in place
#241 JAAN #1	2	3" 1903	P 1903	1948-1936	L. R. (Cabrillo Beach), guns from Lodor
AMTB Gaffey Bulge	2	90 mm M1	F M3	1942-1946	L. R. (Cautino Deach), guils from Louor
	2	90 mm M1	F M3	1943-1946	I D huminds
AMTB Navy Field	2		PM	1943-1946	L. R., buried?
unnamed White Point Military Res		155 mm on San Pec			city property * *
•	<u>ervatio</u> 2	16" MkIIMI		1944-1948	city property
Bunker (#127) Long Point Military Reser			ente (Rancho I		city parls **
Barnes (#240)	<u>rvatio</u> 2	6" 1903A2	SB M1	1944-195?	Pt. Vicente
unnamed		155 mm	PM	1944-199:	
unnamed	2		PIVI	1942	Long Point, dest.
"Eb.an1"		ther locations 8"	DV	10/2 10/5	
"Eubanks"	2		RY D 1003	1942-1945	Manhattan Beach, destroyed
Lodor	4	3" 1903	P 1903	1919-1927	Deadman's Island, destroyed
JAAN #2	2	3" 1903	P 1903	1942-1946	Bluff Park, Long Beach, guns from Lodor
AMTB Terminal Is.	2	90 mm M1	F M3	1943-1946	Terminal Island, covered
AMTB Bluff Park	2	90 mm M1	F M3	1943-1946	Bluff Park, Long Beach, buried?
unnamed	3	155 mm	PM	1942	Costa Mesa (only two guns assigned), destroye
unnamed	3	155 mm	PM	1942	Rocky Point (only two guns were assigned), de
unnamed	2	155 mm	PM	1942	El Segundo/Hyperion, originally 2 6-in NP, de
unnamed	2	155 mm	PM	1942	Playa Del Rey, destoyed

					Reference Guide	217
unnamed	2	155 mm	PM	1942	Pacific Palisades, destroyed	
unnamed	2	155 mm	PM	1942	Port Hueneme, buried/destroyed	
unnamed	2	155 mm	PM	1942	Oxnard, destroyed	
unnamed	2	155 mm	PM	1942	Ventura, in surf 1992	
unnamed	2	155 mm	PM	1942	Santa Barbara, destroyed	
The Harbor Defenses of						
Milagra Ridge Military R					tional Recreation Area *	* *
[#130]	2		CB	Not Built		
#244	2	6" M1	SB M4	1948-1950	armed post war, guns from Ft. Columbia	*
FORT FUNSTON		ke Merced 1			National Accidation Aica	
Davis Howe	2	16" MkIIMI 12" 1890MI		1939-1948	prototype	
Bruff	4	5" 1900		1919-1945	guns from Ft. W. Scott, destroyed	
_	2	155 mm	P 1903 PM	1919-1919	guns from Ft. W. Scott, destroyed	
unnamed	4	155 mm 155 mm	PM PM	1930s	destroyed by erosion buried	
unnamed FORT MILEY				1942		*
	<u> </u>	12" 1890MI	00-1948 M 1800MI	1900-1943	Golden Gate National Recreation Alea	
Livingston	8	12" 1890MI		1900-1943		
Springer Chester		12" 1895			2 augus gamla and 1020s	
&	2	12" 1888	D 1897	1898-1943	2 guns replaced 1920s	
& Lobos	1 2	6" Navy	B 1892 Navy P	1898-1943 1943-1945	Navy cup c	
#243		6" M1	•		Navy guns	
#243 Call	2 2	5" 1900	SB M3	1948-1949	f E. M.D	
Call AMTB Lands End		90 mm M1	P 1903	1915-1921 1943-1948	guns from Ft. McDowell, destroyed	
FORT WINFIELD SCO	2 TT 1		F M3		e National Recreation Area MF, MC *	* * * *
Dynamite	3	15"	<u>) 1863-1993 </u>	1894-1904	converted to HECP, WWII	
Lancaster	3	12" 1895	D 1897	1899-1918	partially buried for bridge	
&	1	12" 1888MI		10//-1/10	gun M1888MI-1/2	
Godfrey	3	12" 1888	B 1892	1895-1943	guii 1/11/0001/11-1/2	
Saffold	2	12" 1888MII		1898-1943		
Howe	8	12" 1886	M 1891	1895-1920	1 empl. remains, others buried	
Wagner	8	12" 1886	M 1891	1895-1920	buried	
Stotsenburg	8	12" 1890MI		1900-1943	4 guns removed 1918 to Ft. Funston	
McKinnon	8	12" 1890MI		1900-1943	4 guis ichioved 1/16 to 1t. Funston	
Cranston	2	10" 1888MII		1898-1943	built on	
Miller	3	10" 1888	D 1894	1898-1920	built oil	
East	2	8"	В 10)4	1897-1915	converted Rodman rifles	
Slaughter	3	8" 1888	D 1896	1899-1917	partially buried	
Crosby	2			1902-1943	partially bulled	
Chamberlin	4	6" 1903	D 1903	1904-1918	1-6" DC installed by NPS 1976 Still emplace	ed being restored
Chamberlin	2	6" 1900	P 1900	1920-1949	in modified DC emplacement	ed, being restored
Boutelle	3	5" 1897	BP 1896	1898-1918	m modified 2 & emplacement	
Sherwood	2	5" 1900	P 1903	1900-1917	guns to Ft. Funston	
Baldwin	2	3" 1898	MP 1898MI		partially buried	
Blaney	4	3" 1898	MP 1898MI		partially buried	
Point	2	3" 1902	P 1902	1944-1945	guns from Yates, Ft. Baker	
Gate	2	3" 1902	P 1902	1942-1945	guns from Gravelly Beach, Ft. Baker	
AMTB Baker Beach	2	90 mm M1	F M3	1943-1946	buried	
FORT MASON			52-1975			* * * *
Burnham	1	8" 1888	D 1896	1900-1909	gun & carr to Ft. Columbia, built on	
FORT McDOWELL			352-(1928)194			****
Drew	1	8" 1888	B 1892	1898-1915		
Wallace	1	8" 1888	D 1896	1901-1915		
Ledyard	2	5" 1900	P 1903	1901-1915	guns to Miley	
AMTB		90 mm M1	F M3	Not Built?	•	
FORT BAKER	Lin	ne Point , 1867		Golden Gate	National Recreation Area MF *	****
Spencer	3	12" 1888	B 1892	1893-1943	1 gun removed 1918	
Kirby	2	12" 1895	D 1897	1900-1941	1 gun replaced 1933	
Duncan	2	8" 1888	B 1892	1898-1917		
Wagner	2	5" 1897	BP 1896	1901-1917		
Yates	6	3" 1902	P 1902	1904-1943	4 guns removed 1941	
Gravelly Beach	2	3" 1902	P 1902	1942-1943	guns from Yates, part. buried	
AMTB Gravelly Beach	2	90 mm M1	F M3	1943-1946	•	
•						

FORT BARRY	Point Bonita 19	05-1975	Golden Gate l	National Recreation Area MC	****
#129	2 16"	CB M4	1943 NC	guns were at emplacement	
Alexander	8 12" 1890MI	M 1896MI	1901-1943		
Mendell	2 12" 1895	DC 1897	1901-1943		
Wallace	2 12" 1895MI	B 1917	1919-1948	casemated WWII	
Guthrie	2 6" 1900	P 1900	1905-1946		
Smith	2 6" 1900	P 1900	1905-1946		
Rathbone	2 6" 1900	P 1900	1905-1946		
McIndoe	2 6" 1900	P 1900	1905-1946		
O'Rorke	4 3" 1903	P 1903	1905-1945		
FORT CRONKHITE	Tennessee Point		Golden Gate	National Recreation Area	****
Townsley	2 16" MkIIMI		1940-1948	restoration, one 16" navy MkVII barrel on c	lisplay 2012
unnamed	2 3" 1903	P 1903	1940s	training battery	
				MD, Yerba Buena Island MD, Alcatraz Is.	
The Harbor Defenses of		052 (10/7)			* * * *
FORT STEVENS Clark		852-(1947) M 1896MI	state park, pri	vate MF, MC 4 guns to Canby 1918	<u> </u>
Clark Mishler		м 1896M1 I D 1896ARF	1899-1942 1897-1941	ARF, covered for HECP 1941	
Mishler Lewis	2 10" 1888MI 1 10" 1888MI		1897-1941 1897-1920	AIN; covered for TECF 1941	
&	1 10 1888MI		107/-1720		
Walker	2 10" 1888MI		1897-1920		
Russell	2 10" 1900	D 1901	1904-1944		
Pratt	2 6" 1897MI		1902-1943	battery being restored, full scale replica gun	& carriage
Freeman	2 6" 1900	P 1900	1902-1920	6" guns to Willapa Bay, empl. destroyed	ee curringe
&	1 3" 1898	MP 1898MI		o gano to winapa zaj, empirateorojea	
#245	2 6" M1	SB M4	1944-1947	2-5" naval gun mounts in empl. as display 1	981
Smur	2 3" 1898	MP 1898MI			
AMTB #1	2 90 mm M1	FM4	1943-1946	Clatsop Spit	
FORT COLUMBIA	Chinook Point	1864-(1947)	state park	MC	****
Ord	2 8" 1888	D 1896	1898-1917		
&	1 8" 1888	D 1894	1898-1917	Originally named Neary, now buried	
Murphy	2 6" 1897MI	D 1898	1900-1945		
#246	2 6"	SB M4	1944 NA	2 guns & carr. from Ft. McAndrew installed	1994
Crenshaw	3 3" 1898	MP 1898MI	1900-1920		
FORT CANBY	Cape Disappoint	ment 1852-(19	947) state park		**
Guenther	4 12" 1890MI			guns from Stevens	
Allen	3 6" 1903	D 1903	1906-1945	3 guns removed 1917, 2 guns replaced 1918	
O'Flyng	2 6" 1903	D 1903	1906-1918	guns to Allen	
#247	2 6" M1	SB M4	1944-1947		
AMTB #2	2 90 mm M1	F M3	1943-1946	Jetty	
The Harbor Defenses of	Grays Harbor (tem North Cove (Wi				*
unnamed	4 12"	M	1919-1919	NA	
unnamed	2 6" 1900	P 1900	1919-1932	guns from Ft. Stevens, later moved to Ft. We	orden, under wate
unnamed	2 155 mm Westport , priva	PM re		destroyed	*
unnamed	4 12"	M	1919	NA, covered	_
#1	4 12"	RM	1942	at Pt. Brown- unknown	
#2	2 6" Navy	Navy P	1942-1944	one empl remains near park	
	4 6" navy	Navy P	1942	at Point Brown, one empl remains in water	
unnamed	2 5" 1897MI		1919-1919	guns from Lee, Ft. Flagler, one empl remains	3
North	2 155 mm	PM	1942	one empl remains in park	
South	2 155 mm	PM	1942	destroyed	
Markham	2 155 mm	PM	1942	on school property, extant	
The Harbor Defenses of	Puget Sound				
FORT WARD	Bean Point 190	3-(1928)1938	private, metro	o park MF, MC	* * *
Nash	3 8" 1888	D 1896	1903-1918	private 1 gun M1888MII	
Warner	2 5" 1900	P 1903	1903-1925	private	

2 5" 1900 4 3" 1898 2 3" 1898

P 1903

1903-1925

MP 1898MI 1903-1920 lower rooms filled

MP 1898MI 1903-1920

private

Warner

Vinton

Thornburgh

				Reference Guide
Middle Point Military Re		·	state park	MF, MC ***
Mitchell	2 3"	MP	1903 NA	across channel from Ft. Ward
FORT WHITMAN		1909-(1947)	state game r	efuge MC **
Harrison	4 6" 1908	D 1905MI	1911-1943	
FORT FLAGLER	Marrowstone Isl			***
Bankhead		I M 1896MI	1902-1942	
Wilhelm		II AGL 1891?	1898-1942	
Rawlins	2 10" 1888M		1899-1918	both empl. mod. for 3-in AA (3rd AA empl. separate)
Revere	2 10" 1888M		1899-1941	guns and carriages to Canada
Calwell	4 6" 1903	D 1903	1904-1918	
Grattan	2 6" 1903	D 1903	1905-1918	
Lee	2 5" 1897MI		1901-1918	guns to Grays Harbor
Downes	2 3" 1903	P 1903	1905-1946	
Wansboro	2 3" 1903	P 1903	1906-1946	2 guns repl. 1963 from Ft. Wint for display
AMTB Marrowstone	2 90 mm M1	F M3	1943-1946	in surf
FORT CASEY	Admiralty Head			lege extention campus *****
Schenck		I M 1896MI	1899-1942	no mortars removed, two tubes were M1890
Seymour		I M 1896MI	1899-1942	Schneck mortars held in reserve for temp. batteries
Kingsbury	2 10" 1895	D 1896	1902-1942	2 guns rem. 1918, 1 repl 1920, 2 empl. mod. for 3-in A
&	1 10" 1900	D 1901		
Moore	3 10" 1895	D 1896	1904-1942	1 empl. mod. for 3-in AA
Worth	2 10" 1895	D 1896	1898-1942	M1901 guns and carr. repl 1963 from Warwick, Ft. Wir
Parker	2 6" 1903	D 1903	1905-1918	
Valleau	4 6" 1903	D 1903	1907-1918	
Turman	2 5"1897MI	BP 1896	1901-1918	
Trevor	2 3" 1903	P 1903	1905-1933	2 guns repl 1963 for display
Van Horne	2 3" 1903	P 1903	1905-1945	
FORT WORDEN	Point Wilson		state park	MF? ****
Brannon		I M 1896MI	1901-1943	
Powell		I M 1896MI	1901-1943	
Ash	2 12" 1888M		1900-1942	
Kinzie	2 12" 1895M		1910-1944	
Benson	2 10" 1900	D 1901	1907-1943	
Quarles	3 10" 1888M		1900-1941	guns & carr. to Canada, one gun SE at Ft. McNutt
Randol	2 10" 1888M		1900-1918	
Stoddard	4 6" 1903	D 1903	1906-1918	2
Tolles	4 6" 1903	D 1903	1905-1943	2 guns rem '18
"Tolles B"	2 6" 1900	P 1900	1937-1946	in empty Tolles empl, 2-6" P from Willapa Bay
Vicars	2 5" 1897MI		1902-1918	
Putnam	2 3" 1903	P 1903	1907-1945	
Walker	2 3" 1903	P 1903	1907-1946	T
AMTB Pt. Wilson	2 90 mm M1	F M3	1943-1946	In surf
	Ebey's Landing		private	<u>X</u>
AMTB Ebey's Lndg	2 90 mm M1	F M3	1943-1946	destroyed
FORT EBEY	Partridge Point	OD 1.64	state park	**
#248	2 6" 1905A2	SB M1	1943-1946	37
- I O O I	Deception Pass		state park	<u>X</u>
North & South	4 3"	P	Not Built	37
	Cape George	D1.6	1000	X
unnamed	4 12"	RM	193?	NA, empl cuts remain
unnamed	4 8"	RY		Tibbels Bluff
	Angeles Point	D) (10/2	<u>X</u>
unnamed	4 155 mm	PM	1942	etate land **
CAMP HAYDEN	Striped Peak	. CD 14/	county park/	state land
#131	2 16" MkIIM		1944-1948	
#249	2 6" M1	SB M4	1945-1948	v
FORT HAYDEN (Cape	•		ıkah İndian Re	
[#132]	2 16"	CB CD	Not Built	Construction initiated on all sites, ended 1943
[#133]	2 16"	CB	Not Built	
[#250]	2 6"	SB	Not Built	
[#251]	2 6"	SB	Not Built	Jumbia *
	2 0"		ites, British Co	idilibia
	2 8"	RY	1941-1943	Christopher Point, Vancouver Is.
	2 8"	RY	1941-1943	Fairview, Prince Rupert

220	TIVLI	itun statoa	si Dejenses		
The Harbor Defenses of			v		
FORT RUGER	D				tate Dept. Land Nat. Res. State Civil Def. ***
Harlow	4	12" 1890MI		1910-1943	
&	4		M 1896MII		
Birkhimer	4	12" 1890MI	M 1896MI	1916-1943	rebuilt, site modified
Granger Adams	2	8" 1888MII	B 1918	1935-1946	Black Pt., destroyed
#407	2	8"	BM1	1942 NA	tunneled into rock
S.C. Mills	2	5" 1900/05	BP 1903/07	1916-1925	Black Pt., guns from Mott, destroyed
Dodge	2	4.7" Armstr	Armstrong	1915-1925	2-4" NP WWII, orig. barrells at NG Armory Wahiawa
Hulings	2	4.7" Armstr	_	1915-1925	,
unnamed	12	2.24"	Ped.	1915-1919	emplacements for 6 pdr. parapit mounts
Ruger	4	155 mm	PM	1942-1943	destroyed
Wiliwilinui Ridge M.R.				private	*
Kirkpatrick	4	8"	2 x Navy T	1942-1948	
Wili		155 mm	PM	-,,	destroyed
FORT DeRUSSY		kiki Beach 1		Army recreatio	on center, Army Museum *
Randolph	2	14" 1907	D 1907	1913-1944	2 - 7" guns now in emplacements, being restored
Dudley	2	6" 1908	D 1905MI	1913-1946	destroyed '69
AMTB No. 5	2	90 mm M1	F M3	1943-1946	destroyed
FORT ARMSTRONG		akaukukui Ree		private M	
Tiernon	2	3" 1903	P 1903	1911-1943	destroyed
Sand Island Military Rese			1 1903	1711-1743	w *
Sand	4	155 mm	PM	1937-1943	destroyed
Harbor	4	7" Navy	Navy P	1942-1944	assisjed
AMTB No. 4 (Sand)	2	90 mm M1	F M3	1943-1946	destroyed
Ala Moana AMTB	2		F M3	1943-1945	Ala Moana Beach Park, destroyed
Other locations- Honolul	_	70 mm ivii	1 1013	1745-1747	?
#304	2	6"	SB	1942 NC	Punchbowl
#305]	2	6"	SB	Not Built	Koko Saddle
unnamed	2	240 mm	H 1918	1929-1941	Waimanalo
unnamed	2	240 mm	H 1918	1927-1941	Kaaawa, buried
unnamed	2	240 mm	H 1918	1927-1941	Ulupau, destroyed 1992
Punchbowl	4	155 mm	PM	1943-1944	
Koko Head			PM PM		Punchbowl, 1 empl. remains Koko Head
	2	155 mm	PM PM	1941-1942	
School	4	155mm	PM	1942-1944	Kamehameha School
The Harbor Defenses of	Pearl	Harbor, Hawa	aii		
FORT BARRETTE	Ka	polei 1934		city/county p	* * *
Hatch		16" MkIIMI	B 1919M1	1934-1948	casemated-WWII
FORT WEAVER		ıloa 1899 (192		Navy Housin	ng *
Williston	2	16" 1919	B 1919	1924-1948	ARF, destroyed
AMTB No. 1	2	90 mm M1	F M3	1943-1945	,,
Weaver	4	155 mm	PM		
FORT KAMEHAMEHA		ueen Emma Po		49 Hickam A	FB MF?, MC ***
Hasbrouck	8	12" 1908	M 1908	1914-1943	
Closson	2	12" 1895MI		1924-1948	casemated 1942
Selfridge	2	12" 1895MII		1913-1945	Cascillated 17/12
Jackson	2	6" 1908	D 1905MI	1913-1943	
Ahua	3	5" Navy	Navy P	1942-1944	Ahua Pt.
Barri	2	4.7" Armstr	Armstr-CM	1915-1924	Bishop Pt., destroyed
		3" 1903			
Chandler	2			1915-1942	Bishop Pt., destroyed
Hawkins	2	3" 1903	P 1903	1914-1943	
AMTB No. 2	2	90 mm M1	F M3	1943-1946	
AMTB No. 3	2	90 mm M1	F M3		location?
AMTB No. 6	2	90 mm M1	F M3		location?
Kam	4	155 mm	PM		* *
<u>Puu O Hulu M.R.</u> "Hulu"	2	7"	Nove CM	1942-1944	
		/ 6"	Navy CM		incorporated into BCN #303 tunneled into rock
#303	2	O	SB	1942 NC	tunnesed linto fock

					Rejevence Gaine	
Other locations- Pearl Harl	oor					*
Arizona	3	14"	Navy Turr	1945 NC	Kahe Pt., from USS Arizona	
Burgess	4	8"	2 x Navy T	1942-1948	(Salt Lake) near Aliamanu Crater, destroyed	
Brown's Camp	4	8"	RY	1937-1944	Browns Camp, Kahe Point	
"Homestead"	3	7" Navy	Navy P	1942	Keaau Homesteads	
Adair	2	6" Armstr	Armstr-CM	1917-1925	Ford Island, empl. elsewhere earlier?	
Boyd	2	6" Armstr	Armstr-CM	1917-1925	Ford Island	
Nanakuli	2	5" Navy	Navy P	1941-1943	and 1-3" NP, destroyed	
Oneula	2	5" Navy	Navy P	1942-1944	Oneula Beach (Ewa) destroyed	
unnamed	2	240 mm	H 1918	1931-1941	Laie	
unnamed	1	240 mm	H 1918	1927-1941	Pupukea	
unnamed	3	240 mm	H 1918	1930-1941	Makua	
Awanui	4	155 mm	PM	1942-1944	Brown's Camp	
Barber's Point	4	155 mm	PM	1937-1942	Barber's Point, destroyed	
"X-Ray"	4	155 mm	PM	1942-1944	Oneula Beach, destroyed	
•		155 mm	PM	1942-1944		
Homestead	4				Makua Military Reservation	
Kahe Point	4	155 mm	PM	1942-1944	Kahe Point	
THE D.C. CH	-	1 B 1.1	NI J.CI	601 11		
The Harbor Defenses of K						* *
FORT HASE		okapu Point 1			s Base, Hawaii	
Pennsylvania	3	14"	Navy Turr	1945-1948	Ulupau Head, from USS Arizona	
Demerritt (#405)	2	8" MkVI3A2		1944-1948	Puu Papaa, tunneled into rock	
Sylvester	4	8" 1890MI		1942-1944	RY guns on specially built tracks, later dismo	ounted
French (#301)	2	6" 1903A2	SBC M1	1944-194?	Pyramid Rock	
AMTB	2	90 mm M1	F M3	1943-1946	Pyramid Rock	
East Beach	4	155 mm	PM			
North Beach	4	155 mm	PM			
Pyramid Rock	4	155 mm	PM			
Paumalu M.R.	Wa	ialee				<u>X</u>
[#408]	2	8"	В	Not Built		
[unnamed]	4	8"	RY	Not Built		
Kawailoa M.R						<u>X</u>
unnamed	4	8"	RY	1940-1942		
unnamed	4	155 mm	PM			
Opaeula M.R.				private		*
Riggs	4	8"	2 x Navy T	1942-1948		_
Brodie Camp M.R.	Не	lemano	,	private		*
Ricker	4	8"	2 x Navy T	1942-1948		_
Kaena Point M.R.	-		, _	-,,		* *
#409	2	8"	В	1942 NC	tunneled into rock	
Other locations- North She		· ·	2	1,12 110		*
Kahuku	4	8" 1888MII	RV 1918	1940-1944	dismounted RY with shields, 1 empl. remain	-
Cooper (#302)	2	6" 1903A2	SB M1	1944-194?	Lae o ka oio (opposite Kaioi Pt.), tunnels	
Kahana	2	5" Navy	Navy P	1942-1943	Kahana Bay	
Wailia	2	3" 1903	P 1903	1942-1943	Wailia Pt., guns from Chandler, repl by 90m	E>
AMTB No. 7	2	90 mm M1	F M3	1942-1945	2-90 mm M/ 2-37 mm M, S. Pyramid Rock	
	2					, i empi. iem.
AMTB No. 8		90 mm M1	F M3	1943-1945	2-90 mm M/ 2-37 mm M, destroyed	
Kahuku/Ranch	4	155 mm	PM	1941-1945	Kahuku	
Loko	4	155 mm	PM	1942-1944	Kualoa Ranch	
Ashley	4	155 mm	PM	1939-1944	Ashley Military Reservation	
Kaena	2	4" Navy	Navy P	1942	later converted to 155 mm site	
Kalihi	2	4" Navy	Navy P	1942	Mokuoeo Is?	
Dillingham	2	4" Navy	Navy P	1942	Mokuleia	
Kaneohe	2	4" Navy	Navy P	1942	Kaneohe Bay	
Oahu howitzer positions m		•	•			?
Kalihi	2	240 mm	H 1918	1941-1944	Kalihi, atop Koalau Range	
"Quadropod"	2	240 mm	H 1918	1941-1944	Paalaa	
unnamed	2	240 mm	H 1918	1941-1944	Kole Kole Pass	
unnamed	2	240 mm	H 1918	1941-1944	Kunia	
Other locations- other islar	nds					?
unnamed	2	7" Navy	Navy CM	1942	Ahukini, Kauai Is.	
unnamed	2	7" Navy	Navy CM	1942	Monument, Kauai Is.	
		,	•			

	1111011	ican scatous	it Defenses		
The Harbor Defenses of					tional Manument 2 ME MC ****
FORT MILLS		rregidor Island			tional Monument 2-Mil; MC
Hearn	1	12" 1895MI		1921	<u>Still Emplaced</u> + spare barrel
Smith	1	12" 1895MI		1921	Still Emplaced
Way	4	12" 1890MI		1910	Still Emplaced
Geary	4	12" 1890MI	M 1896MI	1910	4 guns from Ft. Andrews, part. dest., 6 tubes at site
&	4	12" 1908	M 1908		
Cheney	2	12" 1895/MI	D 1901	1910	Still Emplaced
Wheeler	2	12" 1895/MI	D 1901	1910	1 Gun <u>Still Emplaced</u> + spare barrel
Crockett	2	12" 1895MI	D 1901	1910	<u>Still Emplaced</u> + spare barrel
Grubbs	2	10" 1895MI	D 1901	1911	<u>Still Emplaced</u> + spare barrel
RJ 43	1	8" 1888MII	B 1918	1942	gun barrel at wharf (also 1-8" BC near Bagac, Bataan)
Morrison	2	6" 1905/08	D 1905MI	1910	Still Emplaced + spare barrel
Ramsey	3	6" 1905	D 1905/MI	1911	1 gun Still Emplaced, 2 barrels outside emplacement
James	4	3" 1903	P 1903	1910	
Keyes	2	3" 1903	P 1903	1913	
Cushing	2	3" 1903	P 1903	1919	reachable only by boat
Hanna	2	3" 1903	P 1903	1919	empl #1 intact, empl # 2 buried
Martin	2	155 mm	PM	-, -,	
Hamilton (South)	3	155 mm	PM		
Kysor (North)		155 mm	PM		
Rock Point		155 mm	PM		
Sunset	4	155 mm	PM		
Stockade	2	155 mm	PM		
		155 mm	PM		and ample company was accompany
Monja		155 mm	PM		one emplacement was casemated
Concepcion	3				
Levagood	2	155 mm	PM		
FORT FRANK	Ca	rabao Island		abandoned	**
Greer	1	14" 1907MI	D 1907	1913	partially destroyed
Crofton	1	14" 1907MI	D 1907	1913	partially destroyed
Koehler	8	12" 1908	M 1908	1913	partially destroyed
Hoyle	2	3" 1903	P 1903	1913	removed before WWII, partially destroyed
Frank	4	155 mm	PM		• , ,
FORT DRUM	El :	Fraile Island		abandoned	**+
Wilson	2	14" 1909	TM 1910	1918	Still Emplaced
Marshall	2	14" 1909	TM 1910	1918	Still Emplaced
Roberts	2	6" 1908MII	CM 1910	1918	1 gun <u>Still Emplaced</u>
McCrea	2	6" 1908MII		1918	partially destroyed
New Hoyle	1	3"1903	P 1903		installed 1941, gun ped. remains
FORT HUGHES		ballo Island	, -,	Philippine Na	val Station MF, MC **+
Woodruff	1	14" 1910	D 1907MI	1914	Still Emplaced
Gillespie	1	14" 1910MI		1914	Still Emplaced
Craighill	4	12" 1912	M 1896MIII		Still Emplaced
Leach	2	6" 1908	D 1905MII		empl. destroyed, 1 barrel present
Fuger	2	3" 1903	P 1903	1914	buried
Willaims	2	155 mm	PM	1714	buried
		155 mm			
Hooker	1		PM	DI III	1992 radar site MF MC **
FORT WINT		ande Island, Su	•		1772, Tadai site Wii, Wie
Warwick	2	10" 1895MI		1910	guns to Casey 1967, built on
Woodruff	2	6" 1905	D 1905	1910	partially destroyed by magazine explosion after WW II
Hall	2	6" 1905	D 1905	1910	Mag dest. post war, guns & carr. Still Emplaced
Flake	4	3" 1903	P 1903	1910	2 guns to Casey 1963
Jewell	4	3" 1903	P 1903	1910	2 guns repl Navy 3", 2 guns to Flagler 1963
unnamed	4	155 mm	PM		Ogonbolo, Bataan

					Reference Guiae	
The Harbor Defenses of						
FORT RANDOLPH		argarita Island			979; commercial development	* *
Webb	2	14" 1910	D 1907MI	1912-1948		
#1	2	14" 1920	RY 1920	1928-1948	2 guns for Panama, 4 empl. (#1 & #8)	
Tidball	4	12" 1912	M 1896MIII	1912-1943		
Zalinski	4	12" 1912	M 1896MIII	1912-1943		
Weed	2	6" 1908MII	D 1905MII	1912-1946		
X(4A)	4	155 mm	PM	1940		
2C	4	155 mm	PM			
5A	4	155 mm	PM			
FORT DeLESSEPS	Col	lon 1911		to Panama,	1950s	* *
Morgan	2	6" 1908MII	P 1910	1913-1944	modified casemate mounts M1910	
AMTB #3b	4	90 mm M1	F M3	1943-1948	Cristobal mole, built over	
FORT SHERMAN			11 MF, MC 1			* * *
[#151]	2	16"	CB	Not Built		
Mower	1	14" 1910	D 1907MI	1912-1948		
	1	14" 1910	D 1907MI			
Stanley				1912-1948		
Howard	4	12" 1912	M 1896MIII			
Baird	4	12" 1912	M 1896MIII		III D	
Pratt	2	12" 1895MI		1924-1948	Iglesia Pt., casemated-WWII	
MacKenzie	2	12" 1895MI		1924-1948	Iglesia Pt., not rebuilt	
Kilpatrick	2	6" 1908	D 1905MII			
W	4	155 mm	PM	1940		
Other sites						?
U	4	155 mm	PM	1918	Tortuguilla Point (the original "Panama"	mounts
V	4	155 mm	PM	1940	Naranjitos Point	
Y	4	155 mm	PM	1940	Palma Media Island	
Z(1A)	4	155 mm	PM	1940	Galetta Is.	
1B	4	155 mm	PM		Galetta Is.	
The Harbor Defenses of FORT KOBBE (ex-Ft.	Bruja)	Bruja Point	1	to Panama 19	999	* *
Murray	2	16" MkIIMI		1926-1948	Bruja Pt., casemated-WWII	
Haan	2	16" MkIIMI		1926-1948	Batele Pt., not casemated, empl. buried	
AMTB #6	4	90 mm M1	F M3	1943-1948		
Z (3A)				_		
FORT AMADOR		lboa			1997; commercial development	*
Birney	2	6" 1908		1913-1943	buried	
Smith	2	6" 1908	D 1905MII	1913-1943	buried	
FORT GRANT	Ba	lboa		to Panama,		* *
Newton	1	16" 1895	D 1912	1914-1943	Perico Is., filled to loading platform level	
Buell	2	14" 1910	DC 1907MI	1912-1948	Naos Is., one emplacement filled	
Burnside	2	14" 1910	DC 1907MI	1912-1948	Naos Is., emplacements filled	
Warren	2	14" 1910	DC 1907MI	1912-1948	Flaminco Is., empls. filled to parapit edge	e
Prince	4	12" 1912	M 1896MIII		Flaminco Is., modified for shopping cent	
Merritt	4	12" 1912	M 1896MIII		Flaminco Is., modified for shopping cent	
Carr	4	12" 1912	M 1896MIII		Flaminco Is.	
Parke	2	6" 1908	D 1905MII		Naos Is., destroyed for condominiums	
#8	2	14" 1920	RY 1920	1928-1948	Culebra Is., empl (see #1, Randolph), co	vered
#0 T	2	14 1920 155 mm	PM	1/20-1740	Flamenco Is.	vereu
	2	155 mm 155 mm	PM PM		Flamenco Is.	
U (10A)						
V (10B)	2	155 mm	PM		Culebra Is.	,
Other sites W (1B)	4	155 mm	PM		Taboquilla Is.	?
2B	2	155 mm	PM		Taboquilla Is.	
V	4	155 mm	PM		Paitilla Pt.	
X	2	155 m	PM		Urara Is.	
Y (1A)	4	155 mm	PM		Taboga Is.	

	Sitka, Ala					
FORT BABCOCK		Pt., Kruzo	of Is.	Tongass Natl.		**
#290	2 6"		SB	NC	88% complete	
	2 6"	Navy	Navy P	1942	named Allen? repl by BCN 290	
FORT PEIRCE	Biorka	Is.		FAA and USC	CG .	* *
#291	2 6"	1903A2	SB M1	NC	98% complete	
FORT ROUSSEAU	Makhn	ati Is.		State of Alaska	1	* *
#292	2 6"	1903A2	SB M1	1944-1950	completed	
	4 155	mm	PM		•	
	Other le	ocation				?
AMTB 1	2 90	mm M1	F M3	WWII	Watson Pt., buried? Church school	
AMTB 2		mm M1	FM3	WWII	Whale Is.	
The Harbor Defenses of	Seward, A	Jaska				
FORT McGILVRAY	Caine's	Head		state recreation	n area	* *
#293	2 6"	1903A2	SB M1	NC	99% complete	
AMTB	2 90	mm M1	FM3	WWII	Lowell Point, moved to Whittier	
Rocky Point	4 155		PM		,,	
FORT BULKLEY	Rugged		1111	State of Alaska		* *
#294		1903A2	SB M1	NC	90% complete	
The Harbor Defenses of	Kodiak A	daska				
FORT J.H. SMITH		ers Head,	Chinial	Lesnoi Corp.		* *
#403					1 our tube at Puelein Divon Inn man aime	
#405 [#295]	2 8 2 6"	MkVI3A	SB M1	1944-1950 Not Built	1 gun tube at Buskin River Inn near airpo	<i>)</i> 1 l
				INOT DUILT		
Chiniak	4 155		PM			**
FORT TIDBALL		Bluffs, Lor		Lesnoi Corp	2.1.11	
#296		1903A2	SB M1	1944-1950	2 shields remain (no carr)	
Deer Point		mm	PM		Deer Point	* *
FORT ABERCROMBIE	Miller I			state park		
#404		8" MkVI		B M1	1944-1950 2 gun tubes displayed a	t battery
AMTB		mm	F	WWII	Spruce Cape	
		<u>Kodiak loc</u>	ations			
[#297]	2 6"		SB	Not Built	East Cape, Spruce Is.?	
AMTB	2 90	mm M1	FM3	WWII	Puffin Is.	
Artillery Hill	4 155	5 mm	PM		Bushkin Hill	
The Harbor Defenses of	Dutch Ha	ırbor, Ala	ska			
FORT LEARNARD	Eider P	oint, Una	laska	Unalaska Corp	0.	* *
#298	2 6"	1903A2	SB M1	1944-1950	2 shields (no carr.) remain at site	
AMTB 3a	2 90	mm M1	FM3	WWII		
FORT SCHWATKA	Ulakta !	Head, Am	aknak Is.	Aleutian WW	II Natl. Hist. Area	* *
#402		MkVI3A		1944-1950		
[#299]	2 6"		SB	Not Built		
AMTB		mm M1	F M3	1944-1950	on spit at Dutch Harbor	
Mt. Ballyhoo		mm	PM		r	
zanj 1100	- 1J					
Hill 400		mm	PM		Fort Mears Amaknak Is	
Hill 400 FORT BRUMBACK	4 155		PM		Fort Mears, Amaknak Is.	* *
Hill 400 FORT BRUMBACK Summer Bay	4 155	ner Bay	PM PM		Fort Mears, Amaknak Is.	* *
FORT BRUMBACK Summer Bay	4 155 Summ	ner Bay			Fort Mears, Amaknak Is.	
FORT BRUMBACK	4 155 Summ 4 155	ier Bay 5 mm	PM			**
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6"	ner Bay 5 mm Navy	PM Navy P		Cold Bay, Mortensen Pt.	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6" 2 6"	o mm Navy Navy	PM Navy P Navy P		Cold Bay, Mortensen Pt. Chernofski	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 2 6°	Navy Navy Navy	PM Navy P Navy P Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt.	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 2 6° 1 6°	Navy Navy Navy Navy Navy Navy	PM Navy P Navy P Navy P Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 2 6° 1 6° 2 6°	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P Navy P Navy P Navy P Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 1 6° 2 6° 2 6° 2 6°	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced Nome	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 1 6° 2 6° 2 6° 2 6° 2 6° 2 6°	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced Nome Annette Is.	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 1 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6°	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced Nome Annette Is. Adak Is.	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 1 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6°	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced Nome Annette Is. Adak Is. Shemya Is.	
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 1 6° 2 6°	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P	Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced Nome Annette Is. Adak Is. Shemya Is. Popof Is., Sand Point		
FORT BRUMBACK Summer Bay	4 155 Summ 4 155 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 2 6° 4 155	Navy Navy Navy Navy Navy Navy Navy Navy	PM Navy P		Cold Bay, Mortensen Pt. Chernofski Umnak, Sheep Pt. George Is., still emplaced Yakutat, Point Carrew, still emplaced Nome Annette Is. Adak Is. Shemya Is.	

					Reference Guide
	7	155 mm	PM		Umnak?
	4	155 mm	PM		Yakutat, Point Carrew
	4	155 mm	PM		Annette Is.
	?	155 mm	PM		Adak Is.
	?	155 mm	PM		Shemya Is.
	2	155 mm	PM		Attu Is., Murder Point
	2	155 mm	PM		Attu Is., Chichagot Pt.
	8	155 mm	PM		Amchitka Is.
AMTB	2	90 mm M1	FM3		Whittier, plus 2 from Seward?
AMTBs	6	90 mm M1	FM3		Amchitka Is.
AMTBs	8	90 mm M1	FM3		Adak Is.
AMTB	2	90 mm M1	FM3		Shemya Is., 1 gun remains, reloacted from?
Defenses in Newfoundla					
FORT McANDREW A	rgent		<u>tephenville, o</u>	ther locations;	commercial development, private, parkland * * *
	2	10"	В	1942-44	M1888 guns, St. Johns
	2	10"	В	1941-44	Fort McNutt, Shelburne
	2	10"	B/D	1942-44	Fort Prevel, Gaspe, Quebec
	2	10"	D	1942-43	Wiseman Cove, Botwood
#T2212	2	8"	RY	1941-44	Signal Hill, later Red Cliff Head, St. Johns
#281	2	6" 1903A2		WWII	Argentia North, guns to Ft. Columbia 1993
#282	2	6" 1903A2		WWII	Still Emplaced, Argentia Hill 195
#954	2	6" Navy	Navy P	WWII	Shalloway Pt., Argentia
#604	2	6" Navy	Navy P	WWII	Latine Point, Argentia
	2	3"	P	1942	Isaac Point, Argentia (relocated to Airport)
#955	2	3"	P	1942-44	Airport, Argentia
#T8503	2	155 mm	PM	WWII	Harmon Field, Stephenville
#T1653	2	155 mm	PM	WWII	St. Johns
AMTB	2	90 mm M1	F M3	WWII	Roche Pt., Argentia, covered
AMTB	2	90 mm M1	FM3	WWII	Ship Harbor Pt. ? Argentia
AMTB	2	90 mm M1	F M3		not built?
Defenses in Bermuda					* *
	2	8"	RY	1941-44	Scaur Hill
	2	8"	RY	1941-44	Fort Victoria
#283	2	6" 1903A2	SB M1	1943-46	Stone (Tudor) Hill, Southhampton Parish
#284	2	6" 1903A2	SB M1	1943-46	Fort Victoria, St. Georges Is. covered
	2	155 mm	PM	1942-46	Turtle Hill
	2	155 mm	PM	1942-46	Cooper's Island
AMTB	4	90 mm	F	?	Fort Victoria
Defenses in Jamaica (plan	nned)	ı			
	Po	<u>rtland Bight, I</u>	Heathshire		X
#285	2	6"	SB	Not Built	battery location moved to Vieques Is.
Defenses in Guantanamo	Bay,	Cuba			
	U.	S. Naval Statio	on	never armed	by Army ?
	4	6"	D	191?-NA	Conde' Bluff Reservation Taft-era, Carr. mounted
	4	3"	P	NA	Cuzco Hill Reservation
The Harbor Defenses of	Viequ	ies Sound, Pu	erto Rico, Vi	rgin Islands (F	Roosevelt Roads)
FORT CHARLES W. BU	<u>JND'</u>	Y, Roosevelt Ro	oads Naval Sta	ation, Puerto R	Rico now private & government *
[#152]	2	16"	CB	Not Built	Punta Mata Redonda
[#155]	2	16"	CB	Not Built	Punta Yeguas
#406	2	8" MkVI3A	2 B M1	NC?-1948	Punta Mata Redonda, magazine not built
#265	2	6" 1903A2	SB M1	WWII	Isla Pineros
#268	2	6" 1903A2	SB M1	WWII	Punta Lima, now a prision
[#311]	2	6"	SB	Not Built	Cabo San Juan
AMTB	2	90 mm M1	FM3	WWII	Punta Algodones, HECP-HDCP
[AMTB]	4	90 mm	F	Not Built?	<u> </u>
	2	155 mm	PM		Punta Yeguas

Planned defenses in Trinidad

Fort Read (planned)						X
•	2	12"	CBC	Not Built	Corozol Pt.	
	2	12"	CBC	Not Built	Chacachara Is.	
[#271]	2	6"	SBC	Not Built	Corozal Pt.	
[#272]	2	6"	SBC	Not Built	north Monos Is.	
[#273]	2	6"	SBC	Not Built	south Monos Is.	
[#274]	2	6"	SBC	Not Built	Chacachara Is.	
[#275]	2	6"	SBC	Not Built	Green Hill	
	24	155 mm	PM	WW II	various locations	
AMTBs	8	90 mm	F	Not Built?	later reduced to 4 planned	
	Ot	her AMTB s	ites			?
Tal 1 TTTT -	_			/- //		

	Ot.	ner Alvi i d site	es		
Bluie West 1	2	90 mm M1	F M3	1942-44	Narsarsuaq, Greenland
Bluie West 7	2	90 mm M1	FM3	1942-44	Kangilinnguit, Greenland
AMTBs	16	90 mm	F	Not Built?	Iceland

United States Seacoast Batteries Built or Modified During the Years 1935-1945

by Mark A. Berhow

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Names: Battery names are denoted by the full name of the person they were named for; the bracketts enclose the part of that person's name not included in the official battery name. In 1940 a battery construction number (BCN) was assigned for identification purposes to each battery being built. The BCN was to be dropped when the battery was offically named, but as many of the 1940-45 batteries were not named by the Army, the BCNs have been retained as unoffical names.

Structure Status: Most of the batteries still remain and are unmodified except those denoted in the BCN or name columns as either:

* structure destroyed \$\separentering\$ in danger of destruction \$\displaystructure modified and/or built on \$\Delta\$ current restoration efforts, see note \$^{17}\$

Locations: Ft. stands for Fort, MR stands for Military Reservation.

Battery Status in 1946: The following abbreviations are used in this column: CM—original open emplacements casemated during 1942-44; DA— disarmed 1944; S—battery retained inactive; RM—battery not casemated but was to have been modernized with a shield for the the protection of the gun crew which retained the 360 degree firing arc; RC— battery to have been casemated but project canceled; C—completed, NC— not completed; NA— not armed; NB— not built¹ (also indicated by italicized brackett [###] BCN); PC— partially completed (gun emplacements built, guns mounted but magazines not completed).

Batteries built prior to 1940 still retained in mid-1945

3.7	TT 1 D C		D 11	0	
Name	Harbor Defense	Location	Built	Status in 46	carriage model
Edward B. Williston*	Pearl Harbor	Ft. Weaver	1921-24	RM	M1919
Henry L. Harris	New York	Ft. Tilden	1921-23	CM	M1919
Frank S. Long †	Boston	Ft. Duvall	1921-27	CM	M1919
16-inch M1920 Army howitzer on BC	CLR batteries built 192	21-22			
Name	Harbor Defense	Location	Built	Status in 46	carriage model
Alexander C. M. Pennington ²	Chesapeake Bay	Ft. Story	1921-22	RM	M1920
(Willoughby) Walke 2 *	Chesapeake Bay	Ft. Story	1921-22	RM	M1920
Early 16-inch MkIIMI Navy gun on E	BCLR batteries				
Name	Harbor Defense	Location	Built	Status in 46	carriage model
Henry J. Hatch	Pearl Harbor	Ft. Barrette	1931-35	CM	M1919M1
(William G.) Haan	Balboa, Panama	Ft. Kobbe	1928-29	RC	M1919M1
(Arthur) Murray	Balboa, Panama	Ft. Kobbe	1924-29	CM	M1919M1
16-inch MkIIMI Navy gun on BCLR	in casemated batteries				
Name	Harbor Defense	Location	Built	Status in 46	carr. model
Richmond P. Davis	San Francisco	Ft. Funston	1936-40	С	M2
(Clarence P.) Townsley 17 A	San Francisco	Ft. Cronkhite	1938-40	С	M2

12-inch M1895/M1895MI gun on BCLR batteries

 110)) 11 11 0)) 1 11 8 11 1 0 10 20	ALIC O DOPPO / POU				
Name	Harbor Defense	Location	Built	Status in 46 carr	riage model
Stephen M. Foote	Portland	Ft. Levett	1917-24	CM	M1917
Augustus P. Gardner	Boston	Ft. Ruckman	1917-24	CM	M1917
Alfred S. Milliken	New Bedford	Ft. Rodman	1917-24	CM	M1917
(D.C.) Kingman	New York	Ft. Hancock	1918-22	CM	M1917
(Albert L.) Mills	New York	Ft. Hancock	1918-22	CM	M1917
(David) Hall	Delaware	Ft. Saulsbury	1917-24	S	M1917
(John) Haslet	Delaware	Ft. Saulsbury	1917-24	DA (to #519)	M1917
Loomis L. Langdon	Pensacola	Ft. Pickens	1917-23	CM	M1917
Leonard C. Hoskins †	Galveston	Ft. Crockett	1917-21	CM	M1917
Edwin R. Kimble	Galveston	Ft. Travis	1917-22	DA (to #520)	M1917
(Elmer J.) Wallace	San Francisco	Ft. Barry	1917-28	CM	M1917

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Henry W. Closson	Pearl Harbor	Ft. Kamehameha	1917-20	CM	M1917
Alexander MacKenzie	Cristobal, Panama	Ft. Sherman	1916-23	RC	M1917
Sedgwick Pratt	Cristobal, Panama	Ft. Sherman	1916-23	CM	M1917
Frank G. Smith ³	Manila Bay	Ft. Mills	1919-21	-	M1917
[Clint C.] Hearn ³	Manila Bay	Ft. Mills	1918-21	-	M1917

8-inch batteries4

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Granger Adams * 4	Honululu	Ft. Ruger	1933-35	С	M1918
(Fredrick S.) Strong	San Diego	Ft. Rosecrans	1937	С	M1
(Henry J.) Reilly† 4	Narrangansett Bay	Ft. Church	1938?	С	M1

Batteries built or planned during the years 1940-1945

16-inch MkIIMI Navy gun casemated batteries 5

BCN	MkIIMI Navy gun casemated Name	Harbor Defense	Location	Status in 46 carr	riage model	BES
[101]		Portland	Cape Elizabeth ¹	NB	_	
102	(Harry L.) Steele	Portland	Peake Island MR	С	M4/M5	9
103	(Claudius M.) Seaman	Portsmouth	Ft. Dearborn	С	M5	14
104	John B. Murphy	Boston	East Point MR	С	M4	10
105 *	1 ,	Boston	Ft. Dawes ⁶	NC (deferred)	M5	9
[106]		Boston	Flowers Hill, Scituate ¹	NB	_	
107	(Quinn) Gray 5	Narragansett Bay	Ft. Church	С	M3	10
108	(Alston) Hamilton 5	Narragansett Bay	Ft. Greene	С	M4	12
109		Narragansett Bay	Ft. Greene	NC (deferred)	M4/M5	10
[110]		Narragansett Bay	Ft. Burnside ¹	NB	_	
111		Long Island Sound	Wilderness Pt., Fishers Is.	NC (deferred)	M4/M5	14
112 5		Long Island Sound	Camp Hero	С	M4	5
113	(John M.) Dunn	Long Island Sound	Camp Hero	С	M4	6
[114]		Long Island Sound	Ft. Terry -> Watch Hill, RI 1	NB	_	
[115]		New York	Ft. Wadsworth ¹	NB	_	
116	Isaac N. Lewis 17 Δ	New York	Navesink MR	С	M4	8
[117]		New York	Nigger Pt>Jamaica Bay ¹	NB	_	
118	William R. Smith 5	Delaware	Ft. Miles	С	M4	7
[119]		Delaware	Ft. Miles	NB (replaced l	by #519)	
120	(Daniel W.) Ketcham ⁵	Chesapeake Bay	Ft. Story	С	M4	8
121		Chesapeake Bay	Ft. Story	C	M4	8
122	(Eben E.) Winslow $^{5,17}\Delta$	Chesapeake Bay	Ft. John Custis	С	M4	8
[123]		Chesapeake Bay	Ft. John Custis ¹	NB	_	
[124]		Chesapeake Bay	Ft. Monroe ¹	NB	_	
[125]		Charleston	James Island	NB (replaced l	by #520)	
126 †	(Thomas Q.) Ashburn	San Diego	Ft. Rosecrans	C	M4	6
127	Paul D. Bunker	Los Angeles	White Point MR	C	M4	9
128 *		Los Angeles	Bolsa Chica MR 12	NA (deferred)	M4	7
129		San Francisco	Ft. Barry	NA (deferred)	M4	12
[130]		San Francisco	Milagra Ridge MR	NB	_	
131		Puget Sound	Camp Hayden	С	M4	10
[132]		Cape Flattery	Ft. Hayden	NB	_	
[133]		Cape Flattery	Ft. Hayden	NB	_	
134 *		San Diego	Ft. Emory ¹⁶	NA (deferred)	M4	5
[151]		Cristobal, Panama	Ft. Sherman ¹	NB	_	
[152]		Roosevelt Roads	Punta Mata Redondo, P.R. ¹	NB	_	
[153]		Roosevelt Roads	Mt. Pirata, Vieques Is.1	NB	_	
[154]		Roosevelt Roads	Mt. Jalobre, Vieques Is.1	NB	_	
[155]		Roosevelt Roads	Punta Yeguas, P.R. ¹	NB	_	

			<u> </u>	rence Guid	<u>e</u>	
	M1895/M1895M1 gun on B			0		
BCN_	Name	Harbor Defense	Location	Status in 46	carriage	
	(Henry A.) Reed	San Juan	Ft. Amezquita, Cabras Is.	С	M191	7
		Trinidad	Chacachacare Is.1	NB	_	
		Trinidad	Corozal Pt. ¹	NB	_	
519 ¹⁷ ∆		Delaware	Ft. Miles	С	M191	7
520		Charleston	Marshall MR, Sullivan's Is.	С	M191	7
8-inch N	avy gun on BCLR batteries ⁴					
<u>BCN</u>	Name	Harbor Defense	Location	Status in 46	carriage	<u>model</u>
401		Roosevelt Roads	Fortuna Hill, St. Thomas I	. PC	M1	
402		Dutch Harbor	Ft. Schwatka	С	M1	
403		Kodiak	Ft. J.H. Smith	C (two s	tory) M1	
404		Kodiak	Ft. Abercrombie	C `	M1	
405 8	Robert E. DeMerritt	Kaneohe Bay	near PuuPapaa	Č	M1	
406	Tobert 2. 2 ememe	Roosevelt Roads	Punta Mata Redonda, P.R.		M1	
407 ⁸		Honolulu	Ft. Ruger	NC	M1	
			C	NB NB	IVII	
[408]		North Shore, Oahu	Paumalu MR ¹			
409 8		North Shore, Oahu	Kaena Pt.	NC (tun	nels excavated)	
6 in als au	un DCID abial dad battania					
BCN	<i>in BCLR shielded batteries</i> Name	Harbor Defense	Location	Status/1946	guns/carr. #	RES
	Name	Portland		NA	—/M4	
201			Cape Elizabeth MR			5
202	(D. 1 147) C	Portland	Jewell Is. MR	С	M1/M3	5
203	(Richard K.) Cravens	Portland	Peake Is.	С	05A2/M1	5
204		Portsmouth	Ft. Dearborn	С	M1/M3	6
205		Portsmouth	Ft. Foster	NA	—/M4	6
206		Boston	East Point, Nahant	С	03A2/M1	5
207 *		Boston	Ft. Dawes ⁶	NA	—/M3	5
208 ⁷		Boston	Fourth Cliff	С	M1/M4	4
209	(Frank C.) Jewell	Boston	Outer Brewster Is.	С	M1/M3	6
210 †	(=	New Bedford	Mishaum Pt.	Č	M1/M3	5
211 §		Narrangansett Bay	Ft. Greene	C	03A2/M1	6
				C		
212 †		Narrangansett Bay	Warren Pt.		03A2/M1	6
213		Narrangansett Bay	Ft. Burnside	С	05A2/M1	5
214		Long Island Sound	Wilderness Pt., Fishers Is.	NA	—/M4	6
215		Long Island Sound	Ft. H.G. Wright	С	03A2/M1	5
216		Long Island Sound	Camp Hero	C	03A2/M1	4
217		Long Island Sound	Ft. Terry	NC	M1/M4	6
218		New York	Ft. Wadsworth	NA	—/M1	4
219		New York	Navesink	С	03A2/M1	5
220		New York	Ft. Tilden	NA	—/M1	4
221	(Ralph E.) Herring	Delaware Bay	Ft. Miles	C	03A2/M1	6
222	(Charles H.) Hunter	Delaware Bay	Ft. Miles	C	03A2/M1	6
	(Charles 11.) Hunter			NC		4
223 \$	(DI:II:) W// 9	Delaware Bay	Cape May MR		M1/M3	
224	(Phillip) Worcester 9	Chesapeake Bay	Ft. Story	С	00/00 Ped.	2
225	(Raymond V.) Cramer	Chesapeake Bay	Ft. Story	C	03A2/M2	3
226		Chesapeake Bay	Ft. Story	С	M1/M4	3
227 7, 10		Chesapeake Bay	Fishermans Is.	С	05A2/M1	3
228		Chesapeake Bay	Ft. John Custis	NA	—/M4	4
229	(Horatio) Gates 11	Chesapeake Bay	Ft. Wool	NA	—/M4	2
230		Charleston	Ft. Moultrie	NA	—/M4	5
231		Key West	Ft. Taylor	NA	—/M4	3
232		Key West	Salt Ponds MR	C	M1/M3	3
233		Pensacola	Ft. McRee	NA	—/M4	3
$234^{10}\Delta$		Pensacola	Ft. Pickens	NA	—/M4 —/M4	3
235		Galveston	Ft. San Jacinto	C	05A2/M1	3
236 Δ		Galveston	Ft. Travis	NA	—/M1	3
237 ⁷		San Diego	Ft. Rosecrans	C	03A2/M1	5
238	(Charles) Humphreys	San Diego	Ft. Rosecrans	С	03A2/M1	4
239	(Homer B.) Grant	San Diego	Ft. Emory	C	05A2/M1	5

6-inch gun B	BCLR shielded	batteries ((cont.)
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<u>BCN</u>	Name	Harbor Defense	Location	Status/1946	-	<u>BES</u>
240	Harry C. Barnes	Los Angeles	Point Vicente MR	С	03A2/M1	4
$241 \dagger ^{7,12}$	2	Los Angeles	Ft. MacArthur	NA	M1/M4	6
242 * 12	Harry J. Harrison	Los Angeles	Bolsa Chica MR	С	M1/M4	6
243 13		San Francisco	Ft. Miley	NA	—/M4	6
244 13		San Francisco	Milagra Ridge MR	NA	M1/M4	5
245 Δ		Columbia River	Ft. Stevens	C	M1/M4	7
246 ¹³ Δ		Columbia River	Ft. Columbia	NA	—/M4	7
247 13		Columbia River	Ft. Canby	С	M1/M4	6
248 Δ		Puget Sound	Ft. Ebey	С	05A2/M1	5
249		Puget Sound	Camp Hayden	С	M1/M4	7
[250]		Cape Flattery	Ft. Hayden, Neah Bay	NB	_	
[251]		Cape Flattery	Ft. Hayden, Ocean Creek	NB	_	
261	(Mervyn C.) Bucke		Punta Salinas	NA	—/M4	5
262	(William P.) Pence	San Juan	East Salinas Is.	С	03A2/M1	5
263 *	(Theodore) Schwai		Punta Escambron	C	03A2/M1	4
264	(James W.) Lancast	•	Punta Cangrejos	C	03A2/M1	4
265	James III) Larrease	Roosevelt Roads	Pineros Is., P.R.	Č	03A2/M1	-
[266]		Roosevelt Roads	Martineau Hill, Vieques Is.			
[267]		Roosevelt Roads	Punta Arenas, Vieques Is. ¹	NB	_	
268		Roosevelt Roads	Punta Lima, P.R.	NA	—/M4	
[271]		Trinidad	Ft. Read, Corozal Pt. 1	NB		
[272]		Trinidad	Ft. Read, Monos Is. N. ¹	NB	_	
[272] [273]		Trinidad	Ft. Read, Monos Is. S. ¹	NB	_	
		Trinidad Trinidad	Ft. Read, Chacachacare Is. ¹	NB	_	
[274]		Trinidad	*	NB	_	
[275]			Ft. Read, Green Hill ¹			
281 13		Argentia	Ft. McAndrew (North)	С	03A2/M1	
282 ¹⁴ Δ		Argentia	Ft. McAndrew, Hill 195	С	03A2/M1	_
283		Bermuda	Stone Hill	С	03A2/M1	5
284 †	-	Bermuda	Ft. Victoria	C	03A2/M1	4
[285]	J	amaica -> Roosevelt Roads	Portland Bight-> Vieques I.		_ ,	
290		Sitka	Ft. Babcock	NC(88%)		2
291		Sitka	Ft. Peirce		03A2/M1	4
292		Sitka	Ft. Rousseau	С	03A2/M1	5
293		Seward	Ft. McGilvray	C (99%)	03A2/M1	4
294		Seward	Ft. Bulkley	NC(90%)	03A2/M1	3
[295]		Kodiak	Ft. J. H. Smith ¹	NB	_	
296		Kodiak	Ft. Tidball	С	03A2/M1	
[297]		Kodiak	Ft. Abercrombie ¹	NB	_	
298		Dutch Harbor	Ft. Learnard	С	03A2/M1	
[299]		Dutch Harbor	Ft. Schwatka ¹	NB	_	
301	Forrest J. French	Kanoehe Bay	Ft. Hase	С	03A2/M1	3
302 ⁸	Avery J. Cooper	Kanoehe Bay	Lae-o-ka-oio	C/NA?	03A2/M1	3
303 ⁸	, - 1	Pearl Harbor	Puo-O-Hulu	NC	_/_	
		Honolulu	Punchbowl	NC	/	
304					•	
		Pearl Harbor	Koko Saddle ⁴	IND		
[305]		Pearl Harbor Roosevelt Roads	Koko Saddle¹ Cabo San Juan, P.R.¹	NB NB	_	
[305] [311]		Roosevelt Roads	Cabo San Juan, P.R. ¹	NB		
[305] [311] [312]		Roosevelt Roads Roosevelt Roads	Cabo San Juan, P.R. ¹ Culebra Is., North Pt. ¹	NB NB		
304 [305] [311] [312] [313] 314		Roosevelt Roads	Cabo San Juan, P.R. ¹	NB NB	 /M4	

1942-1945 Hawaiian Naval turret batteries

1) 12 1) 1) 110000000000 1100000 00000000							
Name	Armament	Location	Status in 1946				
Lewis S. Kirkpatrick	two twin 8" turrets	Wiliwilinui Ridge	С				
Louis S. Burgess *	two twin 8" turrets	Salt Lake MR	С				
Carrol G. Riggs	two twin 8" turrets	Opaeula MR	С				
George W. Ricker	two twin 8" turrets	Browns Camp MR	С				
Pennsylvania	one triple 14" turret	Ft. Hase, Ulupau Head	С				
Arizona 15	one triple 14" turret	Kahe Pt.	NC				

NOTES:

- The given locations of the batteries that were not actually built (NB) on this list are the last ones proposed for that battery before they
 were officially canceled. Many of these had several different proposed locations during the years 1940-1942. Battery locations that are
 known to have been moved are indicated by the symbol -> between locations. The given locations are usually the first assigned location
 and the last assigned location for the indicated battery.
- 2. Battery Pennington was the name originally given to all four guns of the 16-inch howitzer battery. Later the battery was divided into two batteries, Pennington 'A' and 'B'. In 1941 Battery 'B' (gun positions 3 and 4) were renamed Battery Walke, while positions 1 and 2 retained the name Pennington.
- 3. The two 12-inch LRBC guns built at Fort Mills were originally designated Battery Smith. However, the magazines were actually built as two separate structures to service the guns which were located on adjacent ridges. In the 1920s, the battery was redesignated as two single-gun batteries, with the left gun receiving the name of Battery Hearn. These guns were rendered inoperable by their crews before Corregidor was surrendered to the Japanese. They are still in place.
- 4. Battery Granger Adams was built for two Army M1888 8-inch guns on M1918 barbette carriages. These guns were emplaced on simple concrete platforms by 1935 with a protected magazine between the two gun positions. This battery served as the model for Battery Strong built two years later, which utilized two 8-inch Navy guns on newly designed Army M1 barbette carriages. Battery Reilly was a unique 8-inch casemated battery. The new 6-inch and 8-inch batteries were designed with open emplacements, but the gun crews were to be protected from shrapnel by metal shields which surrounded the gun carriage. The shields were developed and manufactured for the 6-inch guns, but not for the 8-inch guns. Battery Reilly was buried in 1995.
- 5. The 16-inch battery construction program had an interesting progression of events from 1940 to 1945. Six 16-inch batteries previously authorized for construction were incorperated into the new construction program for a total of thirty-three new projects—two at Narragansett Bay, RI, later designated as Battery Gray-BCN 107 and Battery Hamilton-BCN 108; one at Cape Henlopen, DE, later designated Battery Smith-BCN 118; and one at Cape Henry (Fort Story), VA, later designated Battery Ketcham-BCN 120. These four had a slightly different design than the other 1940 program batteries. A fifth 16-inch battery at Montauk Point, NY, (eventually designated BCN 112) and a sixth 16-inch battery assigned to Fort Monroe, VA (eventually designated BCN 122, later renumbered as BCN 124) were also authorized in this early project, but they had not been started by mid-1940. Once the program was underway, priorities shifted resulting in the cancellation of a number of the planned 16-inch batteries. BCN 115 was dropped from the construction program in late 1941 and BCN 134 was added for San Diego. The construction of fourteen 16-inch batteries which had not been started were deferred in September 1942 (BCNs 101, 106, 110, 114, 117, 119, 123, 124, 125, 128, 130, 133, and 134) as well as the Carribean 16-inch batteries (BCNs 151, 152, 153, 154, 155). In November 1942 construction on BCNs 128, 133, and 134 were allowed to proceed, the remaining deferred batteries were eliminated. BCNs 132 and 133 were cancelled in October 1943. Work on BCNs 105, 109, 111, 128, 129, and 134 was suspended in November 1943, the concrete work was completed, but the armament and the power plants were not installed, resulting in the designations of NC or NA.
- 6. All emplacements at Fort Dawes on Deer Island were destroyed in the mid-1980s for a Boston municipal water treatment plant.
- 7. The power equipment, including the diesel generators, still remain in BCNs 208, 223, 237, and 241.
- 8. These batteries were tunneled in the hillsides of Oahu. The guns were protected from rockfall by by thin conrete aprons.
- 9. Battery Worcester was built for a pair of Model 1900 6-inch pedestal mount guns. The design of this battery was much simpler than the 6-inch design finally adopted. The construction was given BCN 224 to fit it into the program. A second battery built under this particular design was Battery Kessler at Fort Tilden which was totally rebuilt during 1941-1942, but not as a part of the modernization program.
- 10. The guns of BCN 227 were salvaged by the Smithsonian. In the early 1970s, they were installed in BCN 234 at Fort Pickens. Now part of the Gulf Shores National Seashore, the guns are one of three pairs of this model that remain today.
- 11. Battery Gates (BCN 229) was a conversion of an existing 6 inch battery, there was only 105 ft. between the guns.
- 12. Battery Harry C. Harrison (BCN 242) was armed, but not considered complete in 1944. In 1946, Battery Harrison's guns were transferred to BCN 241, which was not armed by late 1945. The guns remained at BCN 241 until the mid-1950s.BCN 241 still retains its power equipment and generators. Both Bolsa Chica batteries were demolished during 1993-95.
- 13. The gun tubes for BCN 246 were delivered to the site but not mounted. The guns of BCN 246 and those of BCN 247 were transferred to San Francisco and mounted in BCN 243 and BCN 244 sometime during 1945-47. In 1993, a pair of 6-in guns at BCN 281 were removed, refurbished, and installed in BCN 246 at Fort Columbia State Park by the State of Washington. BCN 247 at Fort Stevens State Park has two 5-inch navy gun turrets in its emplacements.
- 14. The guns still remain at BCN 282.
- 15. The guns and turret were mounted at Battery Arizona, but it was not considered complete nor were its guns proof-fired.
- 16. BCN 134 was destroyed by the Navy in 2016 to make room for a new SEAL training complex.
- 17. Modern restoration efforts. Battery 520 has a 12-inch navy barrel remounted in one casemate, the battery is home to the Fort Miles Museum, open regular hours for tours. A 16-inch navy MkVII barrel is on display nearby. Battery Lewis was recently rennovated and restored by Monmouth County Parks and Recreation and is open on scheduled weekends and has a 16-inch MkVII Navy gun barrel mounted in one casemate. At Battery Winslow a 16-inch MkVII Navy gun barrel is mounted in one casemate. Battery Townsley is being restored and is open for tours once a month, with a 16-inch MkVII Navy gun barrel on display. BCN 234 and BCN 246 have had guns replaced in 1976 and 1992 respectively. BCN 248 at Fort Ebey is being cleaned up and renovated as is BCN 247 at Fort Stevens, which has 5 inch navy guns in turrets in its emplacements. BCN 245 at Cape Disappointment is clean and open to the public.