



## MODERN AMERICAN SEACOAST DEFENSES

### A LIST OF MILITARY RESERVATIONS AND CONCRETE GUN BATTERIES

1890-1950

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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 foreground 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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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.

*At this time, the author does not have enough information to list the carriage models and gun models for each battery.*

*Sample Entry:*

**Harbor Defenses of . . .**

FORT NAME	Location	service years (if known*)	current ownership	MC**, MF**	rating
Battery name	/ # of guns / caliber / carriage type / service years***/ notes				

\* Several coast artillery forts were officially abandoned as harbor defense posts by 1928, all by 1950.

\*\* Mine Casemate (MC) or Mine Depot (MD), see next page for explanation

\*\*\* Batteries 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
BC	barbette carriage
Rod	breechloading gun on altered 15-inch Rodman carriage
BCLR	long range barbette carriage, Army gun
BCLRN	long range barbette carriage, Navy gun
BP	balanced pillar mount
CBC	long range barbette carriage in casemate, Navy gun (16" 1940 Program)
CM	casemated mount
DC	disappearing carriage
F	fixed pedestal mount (anti-motor torpedo battery (AMTB) mount)
GLC	gun-lift carriage
LRH	long range howitzer carriage
M	mortar carriage
MP	masking pedestal mount
NT	turret mount—Navy
NCM	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
Pne	pneumatic (dynamite) gun and carriage
RM	railway mount—mortar
RY	railway mount—gun
SBC	long range barbette carriage with shield (6" 1940 Program)
TM	turreted mount—Army

*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 permanent 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.*

*AMTB (Anti-Motor Torpedo Boat) Batteries:* Only the fixed emplacements are listed here. Complete AMTB batteries were composed of 2 - 90 mm M1 guns on fixed M3 mounts, 2 - 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.

*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 temporary railway carriage guns (8" RY, 12" RM) parked at site (unless emplacements were built, but some positions prepared in Hawaii during WWII may not be listed); 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

*****	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

*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 the Kennebec**

<b>FORT BALDWIN</b>	Sabino Head	1905 - 1928	state park	MC (improvised)	**
unnamed	1	8"	Rod	1899-1910	at Fort Popham
Hardman	1	6"	DC	1908-1917	
Hawley	2	6"	P	1908-1924	modified for 155 mm gun emplacements, WWII
Cogan	2	3"	P	1908-1924	
unnamed	4	155 mm	PM		two empl. on Hawley
<b>The Harbor Defenses of Portland</b>					
<b>Long Island Military Reservation</b>			private		**
unnamed	2	3"	P	1942-1943	gunblocks covered
AMTB 965	2	90 mm	F	1943-1946	one gun block built over
AMTB 966	2	90 mm	F	1943-1946	
	<b>Other locations</b>				**
unnamed	2	3"	P	1942-1944	Great Chebeague Island
AMTB 969	2	90 mm	F	1943-1946	Great Chebeague Island, buried
AMTB 970	2	90 mm	F	1943-1946	Bailey Island, one gun block covered
<b>FORT LYON</b>	Cow Island	1896	private		**
Bayard	3	6"	DC	1907-1917	
Abbot	3	3"	P	1909-1946	
<b>FORT MCKINLEY</b>	Great Diamond Island	1896	private	MF, MC	*****
Ingalls	8	12"	M	1904-1942	
Berry	2	12"	DC	1901-1943	
Thompson	3	8"	DC	1902-1942	
Weymouth	3	8"	DC	1901-1942	
Honeycutt	2	8"	DC	1901-1942	
Acker	2	6"	DC	1902-1943	
Carpenter	2	6"	P	1906-1947	
Farry	2	3"	MP	1902-1920	
Ramsey	2	3"	MP	1902-1920	
<b>Peak's Island Military Reservation</b>			private	MC	**
Steele (#102)	2	16"	CBC	1945-1948	
Cravens (#203)	2	6"	SBC	1945-1948	built on
unnamed	2	3"	P	1942-1943	one gun block covered
AMTB 963	2	90 mm	F	1943-1946	
AMTB 964	2	90 mm	F	1943-1946	buried/destroyed
<b>Jewell Island Military Reservation</b>			state prop		**
#202	2	6"	SBC	1944	NC
AMTB 967	2	90 mm	F	1943-1946	
AMTB 968	2	90 mm	F	1943-1946	
<b>FORT LEVETT</b>	Cushing Island	1903	private		****
Foote	2	12"	BCLR	1924-1948	casemated-WWII
Bowdoin	3	12"	DC	1903-1943	
Kendrick	2	10"	DC	1903-1942	
Ferguson	2	6"	P	1906-1947	
Daniels	3	3"	MP	1903-1920	
AMTB 962	2	90 mm	F	1943-1946	
<b>FORT PREBLE</b>	Spring Point	1808	state school		***
Kearny	8	12"	M	1901-1942	buried
Chase	8	12"	M	1901-1942	buried
Rivardi	2	6"	DC	1906-1918	
Mason	1	3"	P	1906-1942	gun moved to new position 1942
Mason II	1	3"	P	1942-1946	destroyed
<b>FORT WILLIAMS</b>	Cape Cottage	1898	city park	MF, MC	***
Blair	2	12"	DC	1903-1943	partially buried
Sullivan	3	10"	DC	1898-1938	buried
DeHart	2	10"	DC	1898-1942	buried
Garesche	2	6"	DC	1906-1917	
Hobart	1	6"	A	1900-1913	
Keys	2	3"	P	1905-1946	
AMTB 961	2	90 mm	F	1943-1946	one gun block covered
<b>Cape Elizabeth Military Reservation</b>			state park		**

#101	2	16"	CBC	NB	location not in park but nearby	
#201	2	6"	SBC	NA		
<b>Biddleford Military Reservation</b>						*
unnamed	4	155 mm	PM	private?		
<b>The Harbor Defenses of Portsmouth</b>						
<b>FORT FOSTER</b>	Gerrish Island	1900		city park		**
Bohlen	3	10"	DC	1901-1943	partially buried	
Chapin	2	3"	P	1904-1943	sod and sand cover removed	
#205	2	6"	SBC	1944	NC	
AMTB 952	2	90 mm	F	1943-1946	one block in floor of shelter	
<b>FORT CONSTITUTION</b>	Newcastle Is.	1798		park & USCG	MF, MC	*
Farnsworth	2	8"	DC	1898-1917		
Hackleman	2	3"	P	1904-1942	destroyed, guns to H.G. Wright	
<b>FORT STARK</b>	Jerry's Point	1902		state park	MC	**
Hunter	2	12"	DC	1904-1945		
unnamed	2	8"	Rod	1898-1900	buried	
Kirk	2	6"	DC	1904-1917	modified for HECF-HDCP	
Hays	2	3"	P	1905-1942		
Lytle	2	3"	P	1905-1942		
Lytle II	2	3"	P	1942-1945	guns from Lytle	
<b>FORT DEARBORN</b>	Frost Point	1928-1947		state park		**
Seaman (#103)	2	16"	CBC	194?-1948		
#204	2	6"	SBC	1944-194?	Odiornes Pt.	
AMTB 951	2	90 mm	F	1943-1946	Pulpit Rock, one gun block dest.	
Dearborn	4	155 mm	PM		1 mount covered	
<b>Salisbury Beach Military Reservation</b>						*
unnamed	4	155 mm	PM		1 mount buried	
<b>The Harbor Defenses of Boston</b>						
<b>East Point Military Reservation</b>				municipal park, Northeastern Univ. Marine Lab		**
Murphy (#104)	2	16"	CBC	1944-1948		
#206	2	6"	SBC	1943-1948		
unnamed	2	155 mm	PM		buried	
<b>FORT RUCKMAN</b>	Nahant			municipal park		**
Gardner	2	12"	BCLR	1924-1946	casemated- WWII, partially buried	
<b>FORT BANKS</b>	Winthrop	1899		municipal park/private		*
Lincoln	8	12"	M	1896-1943	magazines covered	
Kellogg	8	12"	M	1896-1943	magazines covered, 1 pit buried	
<b>FORT HEATH</b>	Grover's cliff			private & municipal park		X
Winthrop	3	12"	DC	1901-1945	destroyed	
AMTB 945	2	90 mm	F	1943-1946	buried	
<b>FORT DAWES</b>	Deer Island			Massachusetts Water Resources Authority	MF, MC	X
#105	2	16"	CBC	1944	NA (guns were on site) now destroyed	
#207	2	6"	SBC	1944-	destroyed	
Taylor	2	3"	P	1942-1944	from Strong, destroyed	
AMTB 944	2	90 mm	F	1943-1946	destroyed	
<b>FORT WARREN</b>	Georges Island			Metropolitan District Commission park	MF, MC	****
Stevenson	2	12"	DC	1903-1945		
Bartlett	4	10"	DC	1899-1942	1 emplacement destroyed	
Adams	1	10"	DC	1899-1914		
Plunkett	2	4"	P	1899-1925		
Lowell	3	3"	MP	1900-1920		
<b>FORT STANDISH</b>	Lovell's Island			Metropolitan District Commission park		**
Morris	2	10"	DC	1907-1942		
Burbeck	2	10"	DC	1907-1942		
Terrill	3	6"	DC	1902-1943	erosion encroachment	
Whipple	2	6"	P	1904-1947	modified, WWII	
Vincent	4	3"	MP	1904-1920	#1 & #4 mod. to 3" AA- WWII, partially buried	
Weir	2	3"	P	1906-1926	destroyed	
Williams	3	3"	P	1904-1946		
AMTB 943	2	90 mm	F	1943-1946		
<b>FORT STRONG</b>	Long Island	1870		city hospital	MF, MC	**

Hitchcock	3 10"	DC	1899-1939		
Ward	2 10"	DC	1899-1939		
Drum	2 4.7"	A	1899-1917		
Smyth	2 3"	P	1906-1921	guns to Basinger	
Stevens	2 3"	P	1906-1946		
Taylor	2 3"	P	1906-1942	guns to Ft. Dawes, WWII	
Basinger	2 3"	MP	1901-1947	2-3" P guns from Smyth after 1921	
<b>FORT ANDREWS</b>	<b>Peddocks Island</b>		<b>Metropolitan District Commission park</b>		<b>***</b>
Cushing	8 12"	M	1904-1942		
Whitman	8 12"	M	1904-1942	4 Mor. rem. 1910, repl with M1908 mortars	
McCook	2 6"	P	1904-1947	rebuilt WWII	
Rice	2 5"	P	1904-1917	CRF on #1	
Bumpus	2 3"	P	1904-1946		
<b>FORT DUVALL</b>	<b>Hog Island 1920-1944</b>		<b>private (Renamed Spinnaker Is)</b>		<b>*</b>
Long	2 16"	BCLR	1927-1948	casemated- WWII, built on	
<b>FORT REVERE</b>	<b>Telegraph Hill, Hull</b>		<b>Metropolitan District Commission , private</b>		<b>*</b>
Ripley	2 12"	BC	1901-1943	buried, built on	
Field	2 5"	BP	1901-1917	part. dest. and buried	
Sanders	4 6"	DC	1906-1917	2 guns rem.	
Pope	2 6"	DC	1906-1943	later Pope inc. 3rd gun from Sanders	
AMTB 941	2 90 mm	F	1943-1946	dest./buried	
	<b>Outer Brewster Island</b>		<b>Massachusetts Dept. Environmental Management</b>		<b>**</b>
Jewell (#209)	2 6"	SBC	1943-1948		
	<b>Great Brewster Island</b>		<b>Massachusetts Dept. Environmental Management</b>		<b>**</b>
AMTB 942	2 90 mm	F	1943-1946		
<b>Fourth Cliff Military Reservation</b>	<b>Scituate</b>		<b>Air Force recreation area</b>		<b>***</b>
#106	2 16"	CBC	NB	no final location (Flowers Hill)	
#208	2 6"	SBC	1944-1948	Generators still in place	
<b>Sagamore Hill Military Reservation</b>					<b>*</b>
unnamed	2 155 mm	PM			
<b>The Harbor Defenses of New Bedford</b>					
<b>FORT RODMAN</b>	<b>Clarke Point 1840-(1947)</b>		<b>waste water treatment plant/ city park</b>	<b>MF, MC</b>	<b>**</b>
Milliken	2 12"	BCLR	1924-1946	casemated-WWII	
Walcott	1 8"	DC	1899-1942		
Barton	1 8"	DC	1899-1942		
Cross	2 5"	P	1902-1920		
Craig	2 3"	MP	1902-1920	#1 mod. to 3-in AA, WW II	
Gaston	2 3"	MP	1902-1920		
unnamed	2 155 mm	PM			
<b>Mishaum Point Military Reservation</b>					<b>*</b>
#210	2 6"	SBC	1945-1947	private, built on	
unnamed	2 155 mm	PM		covered	
	<b>Other locations</b>				<b>*</b>
AMTB 931	2 90 mm	F	1943-1946	Barney's Joy Point	
AMTB 932	2 90 mm	F	1943-1946	Cuttyhunk Island	
AMTB 933	2 90 mm	F	1943-1946	Nashawena Island	
AMTB 934	2 90 mm	F	1943-1946	Butler's Point	
unnamed	2 155 mm	PM		Butler's Point	
<b>The Harbor Defenses of Narragansett Bay</b>					
<b>FORT CHURCH</b>	<b>Sakonnet Point (3 sections)</b>		<b>private club/private/private</b>		<b>*</b>
Gray (#107)	2 16"	CBC	1942-1948	West Res. partially buried, Sakonnet Golf Club	
Reilly	2 8"	CBC	1942-1947	East Res., completely buried	
#212	2 6"	SBC	1943-1948	South Res., Warren Point, private, built on	
unnamed	2 155 mm	PM			
<b>FORT ADAMS</b>	<b>Newport 1824</b>		<b>state park, Navy housing</b>	<b>MF, MC</b>	<b>****</b>

Greene	8 12"	M	1898-1943	renamed Gilmore WWII	
Edgerton	8 12"	M	1898-1943		
Reilly	2 10"	DC	1899-1917		
unnamed	1 8"	Rod	1898-		
Bankhead	3 6"	A	1907-1913		
Talbot	2 4.7"	A	1899-1917	one 4.7 gun is in Equality Park, Newport	
Belton	2 3"	P	1907-1925		
<b>FORT WETHERILL</b>	<b>Conanicut Is. 1900-1945</b>		<b>state park</b>	<b>MF, MC</b>	<b>**</b>
Varnum	2 12"	BC	1901-1943		
Wheaton	2 12"	DC	1908-1945		
Walbach	3 10"	DC	1908-1942		
Zook	3 6"	DC	1908-1918		
Dickenson	2 6"	P	1908-1947	modified WW II	
Crittenden	2 3"	P	1908-1946		
Cooke	2 3"	MP	1901-1920		
AMTB 923	2 90 mm	F	194?	NC modified old 3-in AA blocks	
<b>FORT GETTY</b>	<b>Conanicut Island 1903</b>		<b>Jamestown city park</b>		<b>*</b>
Tousard	3 12"	DC	1910-1942	partially buried	
House	2 6"	P	1910-1942	guns & carr. & name to Ft. Varnum, now mostly buried	
Whiting	2 3"	P	1910-1942	guns & carr. & name to Ft. Burnside	
Armistead (3)	2 3"	P	1943	Whiting empl., guns & carr from Varnum	
AMTB 922	2 90 mm	F	1943-1946	#1 block buried	
<b>FORT BURNSIDE</b>	<b>Beavertail 1940-1948</b>		<b>state park</b>		<b>***</b>
#110	2 16"	CBC	NB		
#213	2 6"	SBC	1943-1948		
Whiting (2)	2 3"	P	1942-1946		
<b>FORT GREBLE</b>	<b>Dutch Island 1863</b>		<b>state land/park</b>	<b>MF, MC</b>	<b>***</b>
Sedgwick	8 12"	M	1901-1942		
Hale	3 10"	DC	1898-1942		
Mitchell	3 6"	P	1905-1917		
Mitchell	1 6"	A	1898 NC	dest. replaced by new 6" battery, gun to Ft. Adams	
Ogden	2 3"	MP	1900-1920		
<b>FORT KEARNY</b>	<b>Saunderstown 1904</b>		<b>state university campus</b>		<b>**</b>
French	4 6"	DC	1908-1917	research facility built on middle of battery	
Cram	2 6"	DC	1908-1943	buildings in emplacements	
Armistead	2 3"	P	1908-1942	guns & carr & name to Ft. Varnum, now built on	
<b>FORT VARNUM</b>	<b>Boston Neck 1941</b>		<b>National Guard</b>		<b>****</b>
House	2 6"	P	1942-1947	guns from Ft. Getty	
Armistead (2)	2 3"	P	1942-1943	guns from Ft. Kearny, then sent to Getty	
AMTB 921	2 90 mm	F	1943-1946		
<b>FORT GREENE</b>	<b>Point Judith (3 sections) 1941</b>				<b>**</b>
Hamilton (#108)	2 16"	CBC	1943-1948	East Res., National Guard/Reserve	
#109	2 16"	CBC	1944 NA	West Res., guns were on site, state park	
#211	2 6"	SBC	1945-1948	South Res., city park, entrances buried, erosion threat	
unnamed	4 155 mm	PM		mostly buried	
	<b>Other locations</b>				<b>X</b>
unnamed?	2 4.7"	A	1917-1919	Sachuest Point?	
AMTB 924	2 90 mm	F	NB?		
AMTB 923	2 90 mm	F	1943?	Brenton Point, moved to Ft. Wetherill?	
unnamed	4 155 mm	PM		Brenton Point, 3 mounts destroyed	
<b>The Harbor Defenses of Long Island Sound</b>					
<b>FORT MANSFIELD</b>	<b>Napatree Point, R.I. 1900</b>		<b>state park</b>		<b>**</b>
#114	2 16"	CBC	NB	near Watch Hill, original site at Ft. Terry	
Wooster	2 8"	DC	1901-1917		
Crawford	2 5"	BP	1901-1917		
Connell	2 5"	P	1901-1917	mostly destroyed, in surf	
	<b>other Connecticut sites</b>				<b>X</b>
AMTB 915	2 90 mm	F	1943-1946	Pine Island, state land	
AMTB 914	2 90 mm	F	1943-1946	Goshen Point, covered, Harkness State Park	
unnamed	4 155 mm	PM		Oak's Inn Military Reservation	
<b>FORT H.G. WRIGHT</b>	<b>Fisher's Island 1899</b>		<b>private</b>	<b>MF, MC</b>	<b>****</b>

Dynamite	1	15"	Pne		Race Point	
Clinton	8	12"	M	1902-1943	partially buried	
Butterfield	2	12"	DC	1901-1945	partially buried	
Barlow	2	10"	DC	1901-1939	partially buried	
Dutton	3	6"	DC	1901-1945	partially buried	
Hamilton	2	6"	DC	1905-1917		
Marcy	2	6"	DC	1906-1917		
#215	2	6"	SBC	1943-1946	Race Point	
Hoffman	2	3"	P	1906-1946		
Hoppock	2	3"	P	1905-1946	guns replaced once	
AMTB 913	2	90 mm	F	1943-1946	buried	
	Fisher's Island (other sites)			private		**
#111	2	16"	CBC	194? NA	guns were on site, Wilderness Pt. (Mt. Prospect)	
#214	2	6"	SBC	194? NA	Wilderness Point, built on	
unnamed	4	5"	P + BP	1917-1919	NB?, North Hill	
New Hackleman	2	3"	P	1944-1946	North Hill	
AMTB 916	2	90 mm	F	NB?	East Point	
<b>FORT MICHIE</b>	Great Gull Island			1896-1948	bird sanctuary	MC ***
J.M.K. Davis	1	16"	DC	1923-1945	ARF	
Palmer	2	12"	DC	1900-1945		
North	2	10"	DC	1900-1918	destroyed for Davis	
Benjamin	2	6"	P	1908-1947		
Maitland	2	6"	P	1908-1947		
Pasco	2	3"	P	1905-1934		
AMTB 912	2	90mm	F	1943-1946		
<b>FORT TERRY</b>	Plum Island				USDA Animal Disease Lab	ME, MC ****
Stoneman	8	12"	M	1901-1943		
Steele	2	10"	DC	1900-1942		
Bradford	2	6"	DC	1901-1944		
Floyd	2	6"	DC	1906-1917		
Dimick	2	6"	DC	1905-1917		
#217	2	6"	SBC	194? NC		
Kelly	1	5"	P	1900-1917	partially buried	
&	1	4.7"	A		later replaced by 5" P	
Hagner	2	3"	P	1906-1932	mostly destroyed	
Eldridge	2	3"	P	1906-1946		
Dalliba	2	3"	P	1905-1946		
Greble	2	3"	P	1905-1932		
Campbell	2	3"	P	1905-1934	partially destroyed	
AMTB 911	2	90 mm	F	1943-1946	Plum Island	
unnamed	4	155 mm	PM			
<b>FORT TYLER</b>	Gardiner's Point Island				former Navy target range	*
unnamed	2	8"	Rod	1898 NA	entire fort partially destroyed	
Edmund Smith	2	8"	DC	1898 NA		
&	2	5"	P	1898 NA		
<b>CAMP HERO</b>	Montauk Point			1929	FAA radar sta., state park	*
Dunn (#113)	2	16"	CBC	1944-1948	entrances covered	
#112	2	16"	CBC	1944-1948	entrances covered	
#216	2	6"	SBC	1944-1947	entrances covered	
<b>The Harbor Defenses of Eastern New York</b>						
<b>FORT SLOCUM</b>	Davids Island			1863-(1928)	city property, leveled for redevelopment	X?
Haskin	8	12"	M	1897-1919		
Overton	8	12"	M	1897-1919	Pit A destroyed	
"Practice"	2	8"	Rod	1896-1899	1 orig. 15" SB, partially buried	
Kinney	2	6"	P	1904-1917	destroyed, guns to Tilden	
Fraser	2	5"	P	1901-1917	destroyed	
<b>FORT SCHUYLER</b>	Throg's Neck			1833-(1928)	New York State Maritime Academy	MC *



Gansevoort	2 12"	DC	1899-1935	1 empl. destr., 1 empl. buried	
Hazzard	2 10"	DC	1898-1930	destroyed	
Bell	2 5"	BP	1900-1917	destroyed	
Beecher	2 3"	MP	1900-1920	destroyed	
<b>FORT TOTTEN</b>	Willet's Point 1862-(1928)		city park	MF, MC	*****
King	8 12"	M	1900-1935	buried	
Mahan	2 12"	DC	1900-1918		
Graham	2 10"	DC	1897-1918		
Sumner	2 8"	DC	1899-1918		
Stuart	2 5"	BP	1899-1917		
Baker	4 3"	MP + P	1900-194?	2 M1903 P guns replaced during 1920s?	
Burnes	2 3"	P	1904-1946?		
<b>The Harbor Defenses of Southern New York</b>					
<b>FORT TILDEN</b>	Rockaway 1926-1945		Gateway National Recreation Area		***
Harris	2 16"	BCLR	1924-1948	casemated WWII	
unnamed	4 12"	M	1917-1919	at NAS Rockaway	
Kessler (West)	2 6"	P	1917-1947	from Kinney, Slocum, rebuilt 1941-42	
#220	2 6"	P	1942-1946	part. buried, NA?	
Ferguson (East)	2 6"	P	1917-1942	from Burke, Hamilton, buried	
<b>FORT HAMILTON</b>	East Narrows, Brooklyn 1831		Army Post		X
Piper	8 12"	M	1901-1942	(all Hamilton emplacements have been-destroyed or buried)	
Brown	2 12"	DC	1902-		
Doubleday	2 12"	DC	1900-1943		
Neary	2 12"	BC	1900-1937		
Gillmore	4 10"	DC	1899-1942	originally 7 empl., 3 later designated Spear	
Spear	3 10"	DC	1898-1917		
Burke	4 6"	P	1903-1917?	2 guns to Tilden 1917	
Livingston	2 6"	DC	1905-1920?	guns to West Point	
&	2 6"	P	1905-1948		
Johnston	2 6"	P	1902-1943		
Mendenhall	4 6"	DC	1905-1917		
Griffin	2 4.7"	A	1899-1913		
&	2 3"	MP	1902-1920		
&	2 3"	P	1903-1946		
<b>FORT WADSWORTH</b>	West Narrows, Staten Is. 1821		Gateway NRA, Federal Empl. Housing	MF, MC	****
#115	2 16"	CBC	NB		
Ayres	2 12"	DC	1901-1942	partially buried	
Dix	2 12"	DC	1902-1944		
Hudson	2 12"	DC	1899-1944	partially buried	
Richmond	2 12"	DC	1899-1942	partially buried	
Barry	2 10"	DC	1899-1918		
Upton	2 10"	DC	1899-1925	partially buried	
unnamed	2 8"	Rod	1898		
Duane	5 8"	DC	1897-1915	magazines removed, 1 empl. destroyed	
Barbour	2 6"	A	1898-1920	1 empl. buried	
&	2 4.7"	A	1898-1920	1 empl. buried, 1 partially buried	
Mills	2 6"	DC	1900-1943	both emplacements partially buried	
#218	2 6"	SBC	1943 NA	-1958?	
Catlin	6 3"	P	1904-1942		
Bacon	2 3"	MP	1899-1918		
Turnbull	6 3"	P	1903-1944	later 2 guns removed, partially buried	
New Turnbull (#14)	4 3"	P	1942-1946	covered	
<b>FORT HANCOCK</b>	Sandy Hook, N.J. 1885		Gateway National Recreation Area, USCG	MF, MC	*****

Proving Ground	many - various	various	1890-1920	Proving Ground moved to Aberdeen, 1920
Dynamite	2 15"	Pne	1896-1902	USCG shooting range
&	1 8"	Pne	1896-1902	mine casemate 1921
Potter	2 12"	GLC	1890-1907	
McCook	8 12"	M	1898-1923	advanced HECP-HEDP post 1943
Reynolds	8 12"	M	1898-1918	
Alexander	2 12"	DC	1899-1943	
Bloomfield	2 12"	DC	1899-1944	
Richardson	2 12"	DC	1904-1944	
Kingman	2 12"	BCLR	1922-1946	casemated 1943
Mills	2 12"	BCLR	1922-1946	casemated 1943
Halleck	3 10"	DC	1898-1944	one gun removed 1910s
Granger	2 10"	DC	1898-1940s	
Arrowsmith	3 8"	DC	1909-1921	partially destroyed
Peck	2 6"	P	1903-1946	guns and carr. relocated '43 to Gunnison site
Gunnison	2 6"	DC	1905-1943	extensively rebuilt for Peck's guns
Peck "II" /New Peck	guns from original Peck		1943-1946	(ex-Gunnison), guns repl 1976 <u>Still Emplaced</u> being restored
Engle	1 5"	BP	1898-1917	CRF built on empl.
unnamed	1 4.7"	P	1898	temporary (Schneider)
Urmston	6 3"	MP + P	1903-1944	2 guns later replaced with M1903 P
Morris	4 3"	P	1908-1946	
New Urmston (#6)	2 3"	P	1942-1946	partially covered
AMTB #7	2 90 mm	F	1943-1946	
AMTB #8	2 90 mm	F	1943-1946	on ex-Peck
<u>Highlands Military Reservation, New Jersey (Navesink)</u>				<u>Hartshorne Woods Monmouth County Park</u> **
Lewis (#116)	2 16"	CBC	1944-1948	
unnamed	4 12"	M	1917-1920	only one empl. remains uncovered
#219	2 6"	SBC	1944-1949	
other sites				* ?
#117	2 16"	CBC	NB	Nigger Pt. (now JFK Airport)
#20,	2 3"	P	1942-1946	Rockaway Point
New Catlin (#18)	4 3"	P	1942-1946	Norton Point, buried
AMTB	2 90 mm	F	1943-1946	Rockaway Point
AMTB #19	2 90 mm	F	1943-1946	Norton Point, buried
AMTB	2 90 mm	F	1943-1946	Miller Field
AMTB #12	2 90 mm	F	1943-1946	Swinburne Island
<b>The Harbor Defenses of the Delaware</b>				
<u>FORT MOTT</u>	<u>Finns Point, N.J.</u>	<u>1900</u>	<u>state park</u>	<u>****</u>
Arnold	3 12"	DC	1899-1943	
Harker	3 10"	DC	1899-1941	guns and carr to Canada, guns still at location
Gregg	2 5"	P	1901-1910	
Krayenbuhl	2 5"	BP	1900-1918	
Edwards	2 3"	CM	1902-1920	
<u>FORT DELAWARE</u>	<u>Pea Patch Island</u>	<u>1847</u>	<u>state park</u>	<u>MC</u> ***
Torbert	3 12"	DC	1901-194?	guns to Battery Reed, Puerto Rico
Dodd	2 4.7"	A	1899-1918	
Hentig	2 3"	P	1901-1942	
Alburtis	2 3"	MP	1901-1920	
Allen	2 3"	MP	1901-1920	
<u>FORT DuPONT</u>	<u>Delaware City, Del.</u>	<u>1896</u>	<u>assorted public agencies, state park</u>	<u>MF, MC</u> ****
Rodney	8 12"	M	1900-1941	
Best	8 12"	M	1900-1941	
Read	2 12"	BC	1899-1918	emplacements split, Btty Gibson located between
Gibson	2 8"	DC	1899-1917	one structure with Read
Ritchie	2 5"	P	1900-1917	destroyed
Elder	2 3"	P	1904-1942	relocated 1922 to Delaware Beach
Elder II	2 3"	P	1942-1942	Liston front range light
<u>FORT SAULSBURY</u>	<u>Slaughter Beach, Del.</u>	<u>1902</u>	<u>private, Wildlife Refuge</u>	<u>**</u>
Hall	2 12"	BCLR	1918-1945	
Haslet	2 12"	BCLR	1918-1942	guns to Ft. Miles
Cape May M. R	Cape May, NJ		state park	*

#223	2	6"	SBC	1944-1947	now in surf	
AMTB #7	2	90 mm	F	1943-1946	now in surf	
unnamed	4	155 mm	PM		in surf	
Other locations						X
temporary	1	6"	P	1917-1919	C.G. base east of town, destroyed	
FORT MILES	Cape Henlopen	1940		state park	ME, MC	***
Smith (#118)	2	16"	CBC	1943-1948	16in navy MkVII barrel on display 2012	
#119	2	16"	CBC	NB		
#519	2	12"	CBC	1944-1948	guns from Haslet (replaced #119) 12 in navy barrel in casemate 2010	
unnamed	4	8"	RY		covered/buried	
unnamed	4	8"	RY		covered/buried	
temporary	1	6"	P	1917-1918	Cape Henlopen M.R. from Ft. St. Phillip	
Herring (#221)	2	6"	SBC	1944-1948	earthen cover removed	
Hunter (#222)	2	6"	SBC	1943-1947		
Exam	4	3"	P	1942-1946	mostly buried	
AMTB #5A	2	90 mm	F	1943-1946	mostly buried	
AMTB #5B	2	90 mm	F	1943-1946	1 block covered by parking lot	
unnamed	4	155 mm	PM			

**The Harbor Defenses of Baltimore**

FORT HOWARD	North Point	1900-(1928)		VA hospital, county park	ME, MC	****
Key	8	12"	M	1900-1927		
Stricker	2	12"	DC	1899-1918		
Nicholson	2	6"	DC	1900-1927		
Harris	2	5"	BP	1900-1917		
Clagett	2	3"	MP	1901-1920		
Lazear	2	3"	MP	1900-1920	destroyed	
FORT CARROLL	Soller's Point Flats	1848-(1928)		private		**
Towson	2	12"	BC	1900-1918		
Heart	2	5"	BP	1900-1917		
Augustin	2	3"	MP	1900-1920		
FORT ARMISTEAD	Hawkins Point	1896-(1928)		city park	MC	**
Winchester	1	12"	DC	1900-1918		
McFarland	3	8"	DC	1900-1917		
Irons	2	4.7"	A	1900-1913		
Mudge	2	3"	MP	1901-1920	partially destroyed	
FORT SMALLWOOD	Rock Point	1890-(1928)		city park		*
Hartshorne	2	6"	DC	1900-1927		
Sykes	2	3"	P	1905-1927	destroyed	

**The Harbor Defenses of the Potomac**

FORT WASHINGTON	east bank, MD	1814-(1928)	1947	Capital National Park Area	ME, MC	****
Meigs	8	12"	M	1902-1914		
Decatur	2	10"	DC	1899-1918		
Emory	2	10"	DC	1898-1929		
Humphreys	2	10"	DC	1899-1929		
Water	1	10"	BC	1898-1898		
Wilkin	2	6"	DC	1902-1928		
White	2	4"	P	1899-1921		
Smith	2	3"	MP	1903-1920		
Many	2	3"	P	1905-1928		
FORT HUNT	west bank, VA	1899-(1928)	1933	Capital National Park Area		**
Mount Vernon	3	8"	DC	1898-1917		
Porter	1	5"	BP	1901-1917		
Robinson	1	5"	BP	1901-1917		
Sater	3	3"	MP	1904-1920		

**The Harbor Defenses of Chesapeake Bay**

FORT MONROE		Old Point Comfort 1819 (C.A. School 1907-1948)		Army base	MF, MC	****
#124	2 16"	CBC	NB			
Anderson	8 12"	M	1898-1943			
Ruggles	8 12"	M	1898-1943			
DeRussy	3 12"	DC	1904-1944			
Parrott	2 12"	DC	1906-1943	emplacements used for AMTB #23		
Humphreys	1 10"	DC	1897-1910	destroyed		
Eustis	2 10"	DC	1901-1942	destroyed		
Church	2 10"	DC	1901-1942			
Bomford	2 10"	DC	1897-1940	destroyed		
N.E. bastion	1 10"	DC	1900-1908			
Barber	1 8"	BC	1898-1915	destroyed		
Parapet	4 8"	BC	1898-1915	mostly buried		
Water	1 8"	BC	1897-1898			
Montgomery	2 6"	P	1904-1948	guns removed '20s, guns repl. '41, destroyed		
Gatewood	4 4.7"	A	1898-1914	mostly buried		
Irwin	4 3"	MP	1903-curr.	all Gs rem. '20s, 2-3" P repl. '46 <-Lee/Wool, <u>SE</u>		
AMTB #23	2 90 mm	F	1943-1946	1 gun (from Fisherman's Is) <u>Still emplaced</u>		
FORT WOOL		Rip Raps, Hampton Roads 1830		city park		**
Claiborne	2 6"	DC	1908-1918			
Dyer	2 6"	DC	1908-1917			
Gates	2 6"	DC	1908-1942	converted to #229		
Gates (#229)	2 6"	SBC	1944 NA			
Lee	4 3"	P	1905-1946	2 guns to Ft. J. Custis, 2 guns to Irwin, Ft. Monroe		
Hindman	2 3"	P	1905-1946			
FORT JOHN CUSTIS		Cape Charles 1940		Fish and Wildlife Reserve		**
Winslow (#122)	2 16"	CBC	1943-1948	16 in navy MkVII barrel slated for display 2012		
#123	2 16"	CBC	NB			
Unnamed	? 8"	RY	1942-1943			
#228	2 6"	SBC	1943 NA	buried		
		Fisherman Island		Fish and Wildlife Reserve		**
#227	2 6"	SBC	1943-1965	guns to Smithsonian, Power equip. still in place		
unnamed	4 5"	P	1917-1919	2-5"/2-6"?		
Lee (AMTB #20)	2 3"	P	1942-1944	guns from Lee, Ft. Wool, partially buried		
AMTB #24	2 90 mm	F	1943-1946			
unnamed	4? 155 mm	PM				
FORT STORY		Cape Henry 1917		Army post	MC (MF at Little Creek)	****
Pennington	2 16"	LRH	1922-1947	original name for all 4 guns		
Walke	2 16"	LRH	1922-1947	named as separate battery in 1941, empl. covered		
Ketcham (#120)	2 16"	CBC	1943-1948			
#121	2 16"	CBC	1943-1948			
Worcester (#224)	2 6"	P	1942-1947	prototype for the WW II 6-in construction		
Cramer (#225)	2 6"	SBC	1943-1949			
#226	2 6"	SBC	1943-1949			
unnamed	2 6"	P	1917-1919	broken up, in surf		
unnamed	2 5"	P	1917-1919	broken up, in surf		
Exam (AMTB #19)	2 3"	P	1942-1945	guns from Irwin, Ft. Monroe, buried		
AMTB #21	2 90 mm	F	1942-	buried		
AMTB #22	2 90 mm	F	1942-	awash		
unnamed	4? 155 mm	PM		awash		
unnamed	4? 155 mm	PM				
Temporary Harbor Defenses of Beaufort, NC						X
unnamed	2 6"	NP	1942-1945	near Fort Macon, buried		
Lookout	2 5"	NP	1942-1945	Cape Lookout -in surf		

### The Harbor Defenses of Cape Fear River

FORT CASWELL	Oak Island	(-1928?)	church camp	MF, MC	*****
Bagley	8 12"	M	1903-1925	1 gun replaced 1912	
Caswell	2 12"	BC	1899-1925	modified for swimming pool	
Swift	4 8"	DC	1898-1920	2 guns removed 1917	
New Madison	2 6"	DC	1905-1917		
McDonough	1 5"	BP	1902-1905	gun to Shipp	
Shipp	2 5"	BP	1901-1919	originally 1 emplacement	
Madison	1 4.7"	A	1899-1904	guns to Screven	
McKavett	2 3"	MP	1903-1920		
New McDonough	2 3"	P	1904-1925		
unnamed	4 155mm	FM	1942-1944	Kure Beach, Temp. HD Wilmington	

### The Harbor Defenses of Charleston

Marshall Military Reservation Sullivan's Island (-1947)	private				*
#520	2 12"	CBC	1944-1947	guns from Kimble, Travis, modified	
unnamed	4 155 mm	PM			
FORT MOULTRIE	Sullivan's Island 1776-(1947)	Fort Sumter N.H.M. ,	private	MF, MC	****
#125	2 16"	CBC	NB	James Island	
Capron	8 12"	M	1898-1942		
Butler	8 12"	M	1898-1942		
Jasper	4 10"	DC	1898-1942		
Thomson	2 10"	DC	1906-1945	used by Fire Department	
Gadsen	4 6"	DC	1906-1917	magazine area used as library	
Logan	2 6"	DC, A	1906-1944	1 gun removed 1904	
#230	2 6"	SBC	1943 NA		
Bingham	2 4.7"	A	1899-1918	1 gun replaced 1980 <u>Still Emplaced</u>	
McCorkle	2 3"	MP	1899-1943	1 gun replaced 1980 <u>Still Emplaced</u>	
Lord	2 3"	P	1899-1946	destroyed	
AMTB #2	2 90 mm	F	1943-1946	on Jasper's parapet	
FORT SUMTER	artificial island 1842-(1947)	Fort Sumpter	National Historic Monument		**
Huger	1 12"	DC	1906-1943	built over	
&	1 12"	BC	1906-1943		
AMTB #1	2 90 mm	F	1943-1946	covered	

### The Harbor Defenses of Port Royal Sound

FORT FREMONT	St. Helena (now Oak?) Island (-1928)	private			**
Jesup	3 10"	DC	1899-1914		
Fornance	2 4.7"	A	1899-1913	built on	
Ft. Welles	Hilton Head Island				*
Dynamite	2 15"	Pne	1897 NA	partially destroyed	
unnamed	2 8"	Rod	1898	partially destroyed	

### The Harbor Defenses of Savannah

FORT SCREVEN	Tybee Island 1897-(1928)	private	MF, MC	***
Habersham	8 12"	M	1900-1928	
Garland	1 12"	BC	1899-1920	now a museum
Fenwick	1 12"	BC	1898-1920	home built on
Brumby	4 8"	DC	1899-1917	home built on (#3 intact)
Backus	1 6"	A	1899-1920	later rearmed with 4.7-in
&	2 4.7"	A	1899-1920	home built on
Gantt	2 3"	MP	1904-1920	home built on 2003
unnamed	4 155mm	FM	1942-1944	Temp. HD of Savannah
Fort Pulaski		National Historic Monument		**
unnamed	1 8"	BC	1898-1899	located on demilune, + 2-15 in Rodmans
Hambright	2 3"	MP	1903 NA	
	Other location			X
unnamed	2 4.7"	A	1898-1899	Wassaw Island, guns to Screven, parially dest. named Battery Henry Sims Morgan by GA in 2006

### The Harbor Defenses of Jacksonville

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unnamed	2	8"	Rod	1898-1899	St. John's Bluff	
unnamed	4	155mm	FM	1942-1944	Mayport	
<u>The Harbor Defenses on the St. Mary's River</u>						**
unnamed	1	8"	Rod	1898-1900	Fort Clinch	
<u>Temporary Harbor Defenses of Fort Lauderdale</u>						?
unnamed	4	155mm	FM	1942-1944		
<u>Temporary Harbor Defenses of Miami Beach</u>						?
unnamed	4	155mm	FM	1942-1944		
<b>The Harbor Defenses of Key West</b>						
FORT TAYLOR	Key West	1846-(1947)		state park, Naval Reservation		*
Seminole	8	12"	M	1904-1943		
Osceola	2	12"	BC	1900-1944		
DeLeon	4	10"	DC	1904-1940	destroyed 1962	
Covington	2	8"	DC	1904-1917	destroyed 1962	
DeKalb	2	6"	P	1906-1917	destroyed 1950s	
#231	2	6"	SBC	194? NA	status?	
Gardiner	2	4.7"	A	1898-1913	destroyed 1962	
Ford	2	3"	P	1906-1946	destroyed 1964	
Dilworth	2	3"	MP	1901-1920	destroyed 1970s	
Adair	4	3"	MP	1901-1920		
AMTB #5	2	90mm	F	1943-1946	1 empl. on Adair	
unnamed	4	155 mm	PM	1940-1942	2 guns to Miami Beach, destroyed	
<u>Other locations</u>						*
#232	2	6"	SBC	1944-1946	east of Martello Tower, Salt Ponds M.R. (airport)	
Inman	2	3"	P	1906-1946	inside West Martello Tower	
AMTB #6	2	90 mm	F	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	
<b>The Harbor Defenses of Tampa Bay</b>						
FORT DADE	Egmont Key	1899-(1928)		state park (1989)	MF, MC	*
unnamed	2	8"	Rod	1899-1900	guns to McIntosh, Mellon built over	
McIntosh	2	8"	DC	1900-1923	damaged by surf	
Howard	2	6"	DC	190?-1926	damaged by surf erosion	
Burchsted	2	6"	A	1899-1919	guns & carr. to Ft. DeSoto 1980, broken up in the gulf	
&	1	3"	MP	1904-1920	broken up in the gulf	
Mellon	3	3"	MP	1904-1920		
Page	2	3"	P	1910-1919	broken up in the gulf	
FORT DE SOTO	Mullet Key	1901-(1928)		County Park (1963)		**
Laidley	8	12"	M	1902-1921	4 Mor to Rosecrans 1918, 4 mortars <u>Still Emplaced</u>	
Bigelow	2	3"	MP	1904-1920	broken up in the gulf	
"modern display"					2 - 6" A guns on display from Ft. Dade, Burchsted	
unnamed	4	155mm	FM	1942-1944	Passa Grill Beach, Temp. HD of Tampa	
<u>Other Florida sites</u>						X
unnamed	2	155 mm	PM	1943-1944	Temp. HD of Panama City, FL	
unnamed	2	155 mm	PM	NA	Port St., Joe, FL	
<b>The Harbor Defenses of Pensacola</b>						
FORT PICKENS	Santa Rosa Island	1845-(1947)		Gulf Islands National Seashore	MF, MC	****
Langdon	2	12"	BCLR	1923-1947	casemated-WWII	
Worth	8	12"	M	1899-1942	4 guns removed 1918, HECF-HDCP 1943	
Pensacola	2	12"	DC	1899-1935		
Cullum	2	10"	DC	1898-1918	modified for 2 - 3" from Trueman 1942	
Sevier	2	10"	DC	1898-1934		
Cooper	2	6"	DC	1906-1917	1 gun repl. 1976, (from West Point) <u>Still Emplaced</u>	
#234	2	6"	SBC	1943 NA	2 guns repl. 1976 (from Ft. J. Custis) <u>Still Emplaced</u>	
Van Swearingen	2	4.7"	A	1898-1921	one gun & carr at Danielsville, GA	
Trueman	2	3"	P	1905-1942	guns to Cullum	
Payne	2	3"	P	1904-1946		
AMTB	2	90 mm	F	1943-1946		
unnamed	4	155 mm	PM	1937-1945		
FORT McREE	Perdido Key	1843-(1947)		Gulf Islands National Seashore		**

Slemmer	2	8"	DC	1900-1918	partially buried	
#233	2	6"	SBC	1943	NA	
Center	4	3"	MP	1901-1920	partially buried	
<b>The Harbor Defenses of Mobile</b>						
<b>FORT MORGAN</b>	<b>Mobile Point</b>	<b>1833-(1928)</b>	<b>state park</b>	<b>MF, MC</b>		<b>****</b>
Dearborn	8	12"	M	1901-1928		
Duportail	2	12"	DC	1900-1928		
Test	1	10"	DC	1916-1918	mostly buried	
Bowyer	4	8"	DC	1898-1918	1 gun in M1918 BC at University of Tampa, FL	
Thomas	2	4.7"	A	1899-1918		
Schenck	2	3"	MP	1900-1923		
&	1	3"	P	1900-1923		
unnamed	2	155 mm	PM	1942-1944	1 covered	
<b>FORT GAINES</b>	<b>Dauphin Island</b>	<b>1821-(1928)</b>	<b>county park</b>			<b>***</b>
unnamed	2	8"	Rod	1898-1899	covered by Stanton #1	
Stanton	3	6"	DC	1901-1928		
Terrett	3	3"	MP	1901-1923		
unnamed	2	155 mm	PM		Pacagoula, MS	*
<b>The Harbor Defenses of the Mississippi</b>						
<b>FORT ST. PHILIP</b>	<b>north bank</b>	<b>1843-(1928)</b>	<b>1943 private</b>	<b>MF, MC</b>		<b>***</b>
Pike	2	10"	DC	1898-1919		
unnamed	2	8"	Rod	1898-1899	gun tubes to Ransom, Jackson, 1 built over	
Forse	2	8"	DC	1899-1918		
Merrill	4	6"	P	1907-1920	later only 2 guns, 2 guns to Delaware R.	
Ridgely	2	4.7"	A	1899-1913		
Scott	2	3"	MP	1901-1920		
Brooke	2	3"	MP	1904-1920		
<b>FORT JACKSON</b>	<b>south bank</b>	<b>1832-(1928)</b>	<b>parish park</b>			<b>**</b>
Ransom	2	8"	DC	1899-1918		
Millar	2	3"	MP	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	2	155 mm	PM	1942-1945	Burrwood, LA, Temp. HD of New Orleans	
<b>Sabine Pass, TX</b>						
unnamed	1	8"	Rod	1898-1899	buried or destroyed?	*
unnamed	2	155 mm	PM	1942-		
<b>The Harbor Defenses of Galveston</b>						
<b>FORT TRAVIS</b>	<b>Bolivar Point</b>	<b>(-1947)</b>	<b>county park</b>			<b>**</b>
Kimble	2	12"	BCLR	1922-1943	guns to Moultrie	
Davis	2	8"	DC	1900-1918	deteriorating	
#236	2	6"	SBC	194?	NA	
Ernst	3	3"	MP	1900-1946	converted to 3-in P	
<b>FORT SAN JACINTO</b>	<b>Fort Point</b>	<b>(-1947)</b>	<b>Corps of Eng. prop</b>	<b>MF, MC</b>		<b>*</b>
Mercer	8	12"	M	1898-1943	partially buried in mud	
Heileman	2	10"	DC	1899-1943	1 gun ARE, destroyed	
#235	2	6"	SBC	1944-1946	partially buried	
Hogan	2	4.7"	A	1898-1917	partially destroyed	
Croghan	2	3"	MP	1911-1946	converted to 3-in P	
AMTB #4	2	90 mm	F	1943-1946	destroyed	
<b>FORT CROCKETT</b>	<b>Galveston</b>	<b>(-1947)</b>	<b>private, federal prop</b>			<b>***</b>
Hoskins	2	12"	BCLR	1924-1946	casemated WWII, now built on	
Izard	8	12"	M	1902-1943	destroyed	
Hampton	2	10"	DC	1899-1943	destroyed	
Laval	2	3"	MP	1902-1946?	converted to 3-in P, partially covered	
*						

unnamed	2	6"	NP		Freeport, TX, WWII temp?	
unnamed	2	155 mm	PM	1942-	Freeport, TX	
unnamed	2	155 mm	PM	1942-	Port Aransas, TX	
<b>The Harbor Defenses of San Diego</b>						
<b>FORT EMORY</b>	<b>Coronado Heights</b>			<b>Former Navy radio facility, current training site</b>		<b>**</b>
#134	2	16"	CBC	1944 NC	unofficially named Gatchell	
Grant (#239)	2	6"	SBC	1943-1946		
Imperial	4	155 mm	PM			
AMTB Cortez	2	90 mm	F	1943-1946	Coronado Beach MR, Silver Strand, destroyed	
<b>FORT PIO PICO</b>	<b>North Island 1906-1919 (to Navy 1935) Naval Air Station</b>					<b>X</b>
Meed	2	3"	P	1902-1919	guns to Rosecrans, destroyed	
AMTB Pio Pico	2	90 mm	F	1942-1943	guns later moved to AMTB Fetterman	
<b>FORT ROSECRANS</b>	<b>Point Loma 1899-1958</b>			<b>Navy Base, Natl. Cem., Cabrillo N.M.</b>		<b>MF, MC *****</b>
Ashburn (#126)	2	16"	CBC	1943-1948	modified	
Whistler	4	12"	M	1916-1942	guns from DeSoto, extensively modified	
White	4	12"	M	1916-1942		
Wilkeson	2	10"	DC	1900-1943		
Calef	2	10"	DC	1900-1943		
Strong	2	8"	BCLRN	1941-1946		
#237	2	6"	SBC	1943-1946	unofficially named Woodward	
Humphreys (#238)	2	6"	SBC	1943-1946		
Zeilin	2	7"	NP	1937-1943	buried	
Gillespie	3	5"	NP	1937-1943	No. 1 empl. dest., 2 & 3 remain overgrown	
McGrath	2	5"	BP	1900-1943	repl. by 2-3" guns from Pio Pico, 1919	
Fetterman	2	3"	MP	1900-1917	destroyed July 1940	
AMTB Fetterman	2	90 mm	F	1943-1946	destroyed	
AMTB Cabrillo	2	90 mm	F	1943-1946	destroyed	
Point Loma	4	155 mm	PM			
<b>The Harbor Defenses of Los Angeles</b>						
<b>Bolsa Chica Military Reservation</b>	<b>north of Huntington Beach</b>			<b>private, state reserve</b>		<b>X</b>
#128	2	16"	CBC	1944 NC	destroyed	
Harrison (#242)	2	6"	SBC	1944-1948	destroyed	
unnamed	2	155 mm	PM	1942		
<b>FORT MacARTHUR (Upper &amp; Lower)</b>	<b>San Pedro 1885-1975 (M)</b>			<b>Air Force housing, city park</b>		<b>*****</b>
Osgood	1	14"	DC	1917-1944	gun remodeled 1923, being restored	
Farley	1	14"	DC	1917-1944		
Leary	1	14"	DC	1917-1944	converted to HECP, 1944	
Merriam	1	14"	DC	1917-1944	converted to HECP, 1944	
"Erwin"	2	14"	RY	1926-1946	1 empl. L.R. (covered), 2 empl. L.R. (destroyed)	
Barlow	4	12"	M	1917-1944		
Saxton	4	12"	M	1917-1944		
#241	2	6"	SBC	1948-1956	armed post-war, Generators still in place	
JAAN #1	2	3"	P	1942-1946	L. R. (Cabrillo Beach), guns from Lodor	
AMTB Gaffey Bulge	2	90 mm	F	1943-1946		
AMTB Navy Field	2	90 mm	F	1943-1946	L. R., buried?	
unnamed	2	155 mm	PM	1942		
<b>White Point Military Reservation</b>	<b>San Pedro</b>			<b>Air Force housing, city property</b>		<b>**</b>
Bunker (#127)	2	16"	CBC	1944-1948		
<b>Long Point Military Reservation</b>	<b>Pt. Vicente (Rancho Palos Verdes)</b>			<b>city park</b>		<b>**</b>
Barnes (#240)	2	6"	SBC	1944-195?	Pt. Vicente	
unnamed	2	155 mm	PM	1942	Long Point, dest.	
	<b>Other locations</b>					<b>*</b>
"Eubanks"	2	8"	RY	1942-1945	Manhattan Beach, destroyed	
Lodor	4	3"	P	1919-1927	Deadman's Island, destroyed	
JAAN #2	2	3"	P	1942-1946	Bluff Park, Long Beach, guns from Lodor	
AMTB Terminal Is.	2	90 mm	F	1943-1946	Terminal Island, covered	
AMTB Bluff Park	2	90 mm	F	1943-1946	Bluff Park, Long Beach, buried?	
unnamed	3	155 mm	PM	1942	Costa Mesa (only two guns assigned), destroyed	
unnamed	3	155 mm	PM	1942	Rocky Point (only two guns were assigned), dest	
unnamed	2	155 mm	PM	1942	El Segundo/Hyperion, originally 2 6-in NP, dest.	
unnamed	2	155 mm	PM	1942	Playa Del Rey, destroyed	
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		
<b>The Harbor Defenses of San Francisco</b>							
Milagra Ridge Military Reservation			Pacifica		Golden Gate National Recreation Area		**
#130	2	16"	CBC	NB			
#244	2	6"	SBC	1948-1950	armed post war, guns from Ft. Columbia		
FORT FUNSTON		Lake Merced	1917-1975		Golden Gate National Recreation Area		**
Davis	2	16"	CBC	1939-1948	prototype		
Howe	4	12"	M	1919-1945	guns from Ft. W. Scott, destroyed		
Bruff	2	5"	P	1919-1919	guns from Ft. W. Scott, destroyed		
unnamed	4	155 mm	PM	1930s	destroyed by erosion		
unnamed	4	155 mm	PM	1942	buried		
FORT MILEY		Lands End	1900-1948		VA Hospital, Golden Gate National Recreation Area		**
Livingston	8	12"	M	1900-1943			
Springer	8	12"	M	1900-1943			
Chester	2	12"	DC	1898-1943	2 guns replaced 1920s		
&	1	12"	BC	1898-1943			
Lobos	2	6"	NP	1943-1945	Navy guns		
#243	2	6"	SBC	1948-1949			
Call	2	5"	P	1915-1921	guns from Ft. McDowell, destroyed		
AMTB Lands End	2	90 mm	F	1943-1948			
FORT WINFIELD SCOTT		Presidio (1852)	1885-1995		Golden Gate National Recreation Area	ME, MC	*****
Dynamite	3	15"	Ph	1894-1904	converted to HECF, WWII		
Lancaster	3	12"	DC	1899-1918	partially buried for bridge		
Godfrey	3	12"	BC	1895-1943			
Saffold	2	12"	BC	1898-1943			
Howe	8	12"	M	1895-1920	1 empl. remains, others buried		
Wagner	8	12"	M	1895-1920	buried		
Stotsenburg	8	12"	M	1900-1943	4 guns removed 1918 to Ft. Funston		
McKinnon	8	12"	M	1900-1943			
Cranston	2	10"	DC	1898-1943	built on		
Miller	3	10"	DC	1898-1920			
East	2	8"	BC	1897-1915	converted Rodman rifles		
Slaughter	3	8"	DC	1899-1917	partially buried		
Crosby	2	6"	DC	1902-1943			
Chamberlin	4	6"	DC	1904-1918	1-6" DC installed by NPS 1976 <u>Still emplaced</u> , being restored		
Chamberlin	2	6"	Ped.	1920-1949	in modified DC emplacement		
Boutelle	3	5"	BP	1898-1918			
Sherwood	2	5"	P	1900-1917	guns to Ft. Funston		
Baldwin	2	3"	MP	1901-1920	partially buried		
Blaney	4	3"	MP	1907-1920			
Point	2	3"	P	1944-1945	guns from Yates, Ft. Baker		
Gate	2	3"	P	1942-1945	guns from Gravelly Beach, Ft. Baker		
AMTB Baker Beach	2	90 mm	F	1943-1946	buried		
FORT MASON		Black Point	1852-1975		Golden Gate National Recreation Area	ME, MC	*****
Burnham	1	8"	DC	1900-1909	gun & carr to Ft. Columbia, built on		
FORT McDOWELL		Angel Island	1852-(1928)1947		state park	MC	*****
Drew	1	8"	BC	1898-1915			
Wallace	1	8"	DC	1901-1915			
Ledyard	2	5"	P	1901-1915	guns to Miley		
AMTB	2	90 mm	F	NB?			
FORT BAKER		Lime Point , 1867-			Golden Gate National Recreation Area	MF	*****
Spencer	3	12"	BC	1893-1943	1 gun removed 1918		
Kirby	2	12"	DC	1900-1941	1 gun replaced 1933		
Duncan	2	8"	BC	1898-1917			
Wagner	2	5"	BP	1901-1917			
Yates	6	3"	P	1904-1943	4 guns removed 1941		
Gravelly Beach	2	3"	P	1942-1943	guns from Yates, part. buried		
AMTB Gravelly Beach	2	90 mm	F	1943-1946			
FORT BARRY		Point Bonita	1905-1975		Golden Gate National Recreation Area	MC	*****

#129	2 16"	CBC	1943 NC	guns were at emplacement	
Alexander	8 12"	M	1901-1943		
Mendell	2 12"	DC	1901-1943		
Wallace	2 12"	BCLR	1919-1948	casemated WWII	
Guthrie	2 6"	P	1905-1946		
Smith	2 6"	P	1905-1946		
Rathbone	2 6"	P	1905-1946		
McIndoe	2 6"	P	1905-1946		
O'Rorke	4 3"	P	1905-1945		
<b>FORT CRONKHITE</b>	<b>Tennessee Point</b>	<b>1937-1975</b>	<b>Golden Gate</b>	<b>National Recreation Area</b>	<b>*****</b>
Townsend	2 16"	CBC	1940-1948	restoration, 16 in navy MkVII barrel on display 2012	
unnamed	2 3"	P	1940s	training battery	
				MD, Yerba Buena Island	
				MD, Alcatraz Is.	
<b>The Harbor Defenses of the Columbia</b>					
<b>FORT STEVENS</b>	<b>Point Adams</b>	<b>1852-(1947)</b>	<b>state park, private</b>	<b>MF, MC</b>	<b>****</b>
Clark	8 12"	M	1899-1942	4 guns to Canby 1918	
Mishler	2 10"	DC	1897-1941	ARE, covered for HECP 1941	
Lewis	2 10"	DC	1897-1920		
Walker	2 10"	DC	1897-1920		
Russell	2 10"	DC	1904-1944		
Pratt	2 6"	DC	1902-1943	battery being restored, full scale replica gun & carriage	
Freeman	2 6"	P	1902-1920	6" guns to Willapa Bay, empl. destroyed	
&	1 3"	MP	1902-1920		
#245	2 6"	SBC	1944-1947	2-5" naval gun mounts in empl. as display 1981	
Smur	2 3"	MP	1902-1920		
AMTB #1	2 90 mm	F	1943-1946	Clatsop Spit	
<b>FORT COLUMBIA</b>	<b>Chinook Point</b>	<b>1864-(1947)</b>	<b>state park</b>	<b>MC</b>	<b>*****</b>
Ord	2 8"	DC	1898-1917		
&	1 8"	DC	1898-1917	Originally named Neary, now buried	
Murphy	2 6"	DC	1900-1945		
#246	2 6"	SBC	194? NA	2 guns repl. 1994 from Ft. McAndrew for display	
Crenshaw	3 3"	MP	1900-1920		
<b>FORT CANBY</b>	<b>Cape Disappointment</b>	<b>1852-(1947)</b>	<b>state park, USCG</b>		<b>**</b>
Guenther	4 12"	M	1921-1942	guns from Stevens	
Allen	3 6"	DC	1906-1945	3 guns removed 1917, 2 guns replaced 1918	
O'Flyng	2 6"	DC	1906-1918	guns to Allen	
#247	2 6"	SBC	1944-1947		
AMTB #2	2 90 mm	F	1943-1946	Jetty	
<b>The Harbor Defenses of Grays Harbor (temporary)</b>					
	<b>North Cove (Willapa Bay)</b>				<b>*</b>
unnamed	4 12"	M	1919-1919		
unnamed	2 6"	P	1919-1932	guns from Ft. Stevens, later moved to Ft. Worden, under water	
unnamed	2 155 mm	PM		destroyed	
	<b>Westport, private</b>				<b>*</b>
unnamed	4 12"	M	1919	covered	
#1	4 12"	RM	1942	at Pt. Brown- unknown	
#2	2 6"	NP	1942-1944	one empl remains near park	
	4 6"	NP	1942-	at Point Brown, one empl remains in water	
unnamed	2 5"	BP	1919-1919	guns from Lee, Ft. Flagler, one empl remains	
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	
<b>The Harbor Defenses of Puget Sound</b>					
<b>FORT WARD</b>	<b>Bean Point</b>	<b>1903-(1928)1938</b>	<b>private, state park</b>	<b>MF, MC</b>	<b>***</b>
Nash	3 8"	DC	1903-1918	private	
Warner	2 5"	P	1903-1925	private	
Thornburgh	4 3"	MP	1903-1920		
Vinton	2 3"	MP	1903-1920	lower rooms filled	
<b>Middle Point Military Reservation</b>			<b>state park</b>	<b>MF, MC</b>	<b>***</b>

Mitchell	2 3"	MP	190?	NA	across channel from Ft. Ward	
FORT WHITMAN	Goat Island	1909-(1947)	state game refuge	MC		**
Harrison	4 6"	DC	1911-1943			
FORT FLAGLER	Marrowstone Island	1898-1954	state park			****
Bankhead	8 12"	M	1902-1942			
Wilhelm	2 12"	AGL	1898-1942			
Rawlins	2 10"	BC	1899-1918		both empl. mod. for 3-in AA (3rd AA empl. separate)	
Revere	2 10"	BC	1899-1941		guns and carriages to Canada	
Calwell	4 6"	DC	1904-1918			
Grattan	2 6"	DC	1905-1918			
Lee	2 5"	BP	1901-1918		guns to Grays Harbor	
Downes	2 3"	P	1905-1946			
Wansboro	2 3"	P	1906-1946		2 guns repl. 1963 from Ft. Wint for display	
AMTB Marrowstone	2 90 mm	F	1943-1946		in surf	
FORT CASEY	Admiralty Head	1897-1953	state park, college	extention campus		*****
Schenck	8 12"	M	1899-1942		no mortars removed	
Seymour	8 12"	M	1899-1942		mortars held in reserve for temp. batteries	
Kingsbury	2 10"	DC	1902-1942		2 guns rem. 1918, 1 repl 1920, 2 empl. mod. for 3-in AA	
Moore	3 10"	DC	1904-1942		1 empl. mod. for 3-in AA	
Worth	2 10"	DC	1898-1942		guns and carr. repl 1963 from Warwick, Ft. Wint, being restored	
Parker	2 6"	DC	1905-1918			
Valleau	4 6"	DC	1907-1918			
Turman	2 5"	BP	1901-1918			
Trevor	2 3"	P	1905-1933		2 guns repl 1963 for display	
Van Horne	2 3"	P	1905-1945			
FORT WORDEN	Point Wilson	1898-1954	state park	MF?		*****
Brannon	8 12"	M	1901-1943			
Powell	8 12"	M	1901-1943			
Ash	2 12"	BC	1900-1942			
Kinzie	2 12"	DC	1910-1944			
Benson	2 10"	DC	1907-1943			
Quarles	3 10"	BC	1900-1941		guns & carr. to Canada, one gun SE at Ft. McNutt	
Randol	2 10"	BC	1900-1918			
Stoddard	4 6"	DC	1906-1918			
Tolles	4 6"	DC	1905-1943		2 guns rem '18	
"Tolles B"			1937-1946		in empty Tolles empl, 2-6" P from Willapa Bay	
Vicars	2 5"	BP	1902-1918			
Putnam	2 3"	P	1907-1945			
Walker	2 3"	P	1907-1946			
AMTB Pt. Wilson	2 90 mm	F	1943-1946		In surf	
	Ebey's Landing		private			X
AMTB Ebey's Lndg	2 90 mm	F	1943-1946		destroyed	
FORT EBHEY	Partridge Point		state park			**
#248	2 6"	SBC	1943-1946			
	Deception Pass		state park			X
North & South	4 3"	P	NB?			
	Cape George					X
unnamed	4 12"	RM	193?		NA, empl cuts remain	
unnamed	4 8"	RY			Tibbles Bluff	
	Angeles Point					X
unnamed	4 155 mm	PM	1942			
CAMP HAYDEN	Striped Peak		county park/state land			**
#131	2 16"	CBC	1944-1948			
#249	2 6"	SBC	1945-			
FORT HAYDEN (Cape Flattery Military Res.)			Makah Indian Res			X
#132	2 16"	CBC	NB		Construction initiated on all sites, ended 1943	
#133	2 16"	CBC	NB			
#250	2 6"	SBC	NB			
#251	2 6"	SBC	NB			

<b>FORT RUGER</b>	<b>Diamond Head</b>	<b>1906-now</b>	<b>Natl. Guard , State Dept. Land Nat. Res. State Civil Def.</b>	<b>***</b>
Harlow	8 12"	M	1910-1943	
Birkhimer	4 12"	M	1916-1943	rebuilt, site modified
Granger Adams	2 8"	BC	1935-1946	Black Pt., destroyed
#407	2 8"	BCLRN	1942 NA	tunneled into rock
S.C. Mills	2 5"	BP	1916-1925	Black Pt., guns from Mott, destroyed
Dodge	2 4.7"	A	1915-1925	2-4" NP WWII, orig. barrells at NG Armory Wahiawa
Hulings	2 4.7"	A	1915-1925	
unnamed	12 2.24"	Ped.	1915-1919	emplacements for 6 pdr. parapit mounts
Ruger	4 155 mm	PM	1942-1943	destroyed
<b>Wiliwili Ridge M.R.</b>			<b>private</b>	<b>*</b>
Kirkpatrick	4 8"	2xNT	1942-1948	
Wili	4 155 mm	PM		destroyed
<b>FORT DeRUSSY</b>	<b>Waikiki Beach</b>	<b>1908- now</b>	<b>Army recreation center , Army Museum</b>	<b>*</b>
Randolph	2 14"	DC	1913-1944	2 - 7" guns now in emplacements, being restored
Dudley	2 6"	DC	1913-1946	destroyed '69
AMTB No. 5	2 90 mm	F	1943-1946	destroyed
<b>FORT ARMSTRONG</b>	<b>Kaakaukui Reef</b>	<b>1899</b>	<b>private MF, MC</b>	<b>X</b>
Tiernon	2 3"	P	1911-1943	destroyed
<b>Sand Island Military Reservation</b>				<b>*</b>
Sand	4 155 mm	PM	1937-1943	destroyed
Harbor	4 7"	NP	1942-1944	
AMTB No. 4 (Sand)	2 90 mm	F	1943-1946	destroyed
Ala Moana AMTB	2 90 mm	F	1943-1945	Ala Moana Beach Park, destroyed
<b>Other locations- Honolulu</b>				<b>?</b>
#304	2 6"	SBC	1942 NC	Punchbowl
#305	2 6"	SBC		NB, Koko Saddle
unnamed	2 240 mm	H	1929-1941	Waimanalo
unnamed	2 240 mm	H	1927-1941	Kaaawa, buried
unnamed	2 240 mm	H	1927-1941	Ulupau, destroyed 1992
Punchbowl	4 155 mm	PM	1943-1944	Punchbowl, 1 empl. remains
Koko Head	2 155 mm	PM	1941-1942	Koko Head
School	4 155mm	PM	1942-1944	Kamehameha School
<b>The Harbor Defenses of Pearl Harbor, Hawaii</b>				
<b>FORT BARRETTE</b>	<b>Kapolei</b>	<b>1934</b>	<b>city/county park</b>	<b>***</b>
Hatch	2 16"	BCLRN	1934-1948	casemated-WWII
<b>FORT WEAVER</b>	<b>Puuloa</b>	<b>1899 (1922)</b>	<b>Navy Housing</b>	<b>*</b>
Williston	2 16"	BCLR	1924-1948	ARE, destroyed
AMTB No. 1	2 90 mm	F	1943-1945	
Weaver	4 155 mm	PM		
<b>FORT KAMEHAMEHA</b>	<b>Queen Emma Point</b>	<b>1908-1949</b>	<b>Hickam AFB MF?, MC</b>	<b>***</b>
Hasbrouck	8 12"	M	1914-1943	
Closson	2 12"	BCLR	1924-1948	casemated 1942
Selfridge	2 12"	DC	1913-1945	
Jackson	2 6"	DC	1913-1943	
Ahua	3 5"	NP	1942-1944	Ahua Pt.
Barri	2 4.7"	A-CM	1915-1924	Bishop Pt., destroyed
Chandler	2 3"	P-CM	1915-1942	Bishop Pt., destroyed
Hawkins	2 3"	P	1914-1943	
AMTB No. 2	2 90 mm	F	1943-1946	
Kam	4 155 mm	PM		
<b>Puu O Hulu M.R.</b>				<b>**</b>
"Hulu"	2 7"	NCM	1942-1944	incorporated into BCN #303
#303	2 6"	SBC	1942 NC	tunneled into rock
<b>Other locations- Pearl Harbor</b>				<b>*</b>
Arizona	3 14"	NT	1945 NC	Kahe Pt., from USS Arizona
Burgess	4 8"	2xNT	1942-1948	(Salt Lake) near Aliamanu Crater, destroyed
Brown's Camp	4 8"	RY	1937-1944	Browns Camp, Kahe Point
"Homestead"	3 7"	NP	1942	Keaau Homesteads
Adair	2 6"	A-CM	1917-1925	Ford Island, empl. elsewhere earlier ?
Boyd	2 6"	A-CM	1917-1925	Ford Island
Nanakuli	2 5"	NP	1941-1943	and 1-3" NP, destroyed

Oneula	2	5"	NP	1942-1944	Oneula Beach (Ewa) destroyed
unnamed	2	240 mm	H	1931-1941	Laie
unnamed	1	240 mm	H	1927-1941	Pupukea
unnamed	3	240 mm	H	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
Homestead	4	155 mm	PM	1942-1944	Makua Military Reservation
Kahe Point	4	155 mm	PM	1942-1944	Kahe Point
<b>The Harbor Defenses of Kaneohe Bay and the North Shore of Oahu, Hawaii</b>					
<b>FORT HASE</b>	<b>Mokapu Point</b>	<b>1942</b>	<b>Marine Corps Base, Hawaii</b>		<b>**</b>
Pennsylvania	3	14"	NT	1945-1948	Ulupau Head, from USS Arizona
Demerritt (#405)	2	8"	BCLRN	1944-1948	Puu Papaa, tunneled into rock
Sylvester	4	8"	RY	1942-1944	RY guns on specially built tracks, later dismantled
French (#301)	2	6"	SBC	1944-194?	Pyramid Rock
AMTB	2	90 mm	F	1943-1946	Pyramid Rock
East Beach	4	155 mm	PM		
North Beach	4	155 mm	PM		
Pyramid Rock	4	155 mm	PM		
<b>Paumalu M.R.</b>	<b>Waialeale</b>				<b>X</b>
#408	2	8"	BCLRN	NB	
unnamed	4	8"	RY	NB	
<b>Kawailoa M.R.</b>					<b>X</b>
unnamed	4	8"	RY	1940-1942	
unnamed	4	155 mm	PM		
<b>Opaeula M.R.</b>				<b>private</b>	<b>*</b>
Riggs	4	8"	2xNT	1942-1948	
<b>Brodie Camp M.R.</b>	<b>Helemano</b>			<b>private</b>	<b>*</b>
Ricker	4	8"	2xNT	1942-1948	
<b>Kaena Point M.R.</b>					<b>**</b>
#409	2	8"	BCLRN	1942 NC	tunneled into rock
<b>Other locations- North Shore</b>					<b>*</b>
Kahuku	4	8"	RY	1940-1944	dismounted RY with shields, 1 empl. remains
Cooper (#302)	2	6"	SBC	1944-194?	Lae o ka oio (opposite Kaioi Pt.), tunnels
Kahana	2	5"	NP	1942-1943	Kahana Bay
Wailia	2	3"	P	1942-1943	Wailia Pt., guns from Chandler, repl by 90m F?
AMTB No. 7	2	90 mm	F	1943-1945	2-90 mm M/ 2-37 mm M, S. Pyramid Rock, 1 empl. rem.
AMTB No. 8	2	90 mm	F	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"	NP	1942	later converted to 155 mm site
Kalihi	2	4"	NP	1942	Mokuoeo Is?
Dillingham	2	4"	NP	1942	Mokuleia
Kaneohe	2	4"	NP	1942	Kaneohe Bay
<b>Oahu howitzer positions manned by field artillery units</b>					<b>?</b>
Kalihi	2	240 mm	H	1941-1944	Kalihi, atop Koalau Range
"Quadropod"	2	240 mm	H	1941-1944	Paalaa
unnamed	2	240 mm	H	1941-1944	Kole Kole Pass
unnamed	2	240 mm	H	1941-1944	Kunia
<b>Other locations- other islands</b>					<b>?</b>
unnamed	2	7"	NCM	1942	Ahukini, Kauai Is.
unnamed	2	7"	NCM	1942	Monument, Kauai Is.

### The Harbor Defenses of Manila and Subic Bays, the Philippines

FORT MILLS	Corregidor Island			Philippine National Monument	2-MF, MC	*****
Hearn	1	12"	BCLR	1921	<u>Still Emplaced</u> + spare barrel	
Smith	1	12"	BCLR	1921	<u>Still Emplaced</u>	
Way	4	12"	M	1910	<u>Still Emplaced</u>	
Geary	8	12"	M	1910	4 guns from Ft. Andrews, part. dest., 6 tubes at site	
Cheney	2	12"	DC	1910	<u>Still Emplaced</u>	
Wheeler	2	12"	DC	1910	1 Gun <u>Still Emplaced</u> + spare barrel	
Crockett	2	12"	DC	1910	<u>Still Emplaced</u> + spare barrel	
Grubbs	2	10"	DC	1911	<u>Still Emplaced</u> + spare barrel	
RJ 43	1	8"	BC	1942	gun barrel at wharf (also 1-8" BC near Bagac, Bataan)	
Morrison	2	6"	DC	1910	<u>Still Emplaced</u> + spare barrel	
Ramsey	3	6"	DC	1911	1 gun <u>Still Emplaced</u> , 2 barrels outside emplacement	
James	4	3"	P	1910		
Keyes	2	3"	P	1913		
Cushing	2	3"	P	1919	reachable only by boat	
Hanna	2	3"	P	1919	empl #1 intact, empl # 2 buried	
Martin	2	155 mm	PM			
Hamilton (South)	3	155 mm	PM			
Kysor (North)	2	155 mm	PM			
Rock Point	2	155 mm	PM			
Sunset	4	155 mm	PM			
Stockade	2	155 mm	PM			
Monja	2	155 mm	PM		one emplacement was casemated	
Concepcion	3	155 mm	PM			
Levagood	2	155 mm	PM			
<b>FORT FRANK</b>	<b>Carabao Island</b>			<b>abandoned</b>		<b>**</b>
Greer	1	14"	DC	1913	partially destroyed	
Crofton	1	14"	DC	1913	partially destroyed	
Koehler	8	12"	M	1913	partially destroyed	
Hoyle	2	3"	P	1913	removed before WWII, partially destroyed	
Frank	4	155 mm	PM			
<b>FORT DRUM</b>	<b>El Fraile Island</b>			<b>abandoned</b>		<b>** +</b>
Wilson	2	14"	TM	1918	<u>Still Emplaced</u>	
Marshall	2	14"	TM	1918	<u>Still Emplaced</u>	
Roberts	2	6"	CM	1918	1 gun <u>Still Emplaced</u>	
McCrea	2	6"	CM	1918	partially destroyed	
New Hoyle	1	3"	P		installed 1941, gun ped. remains	
<b>FORT HUGHES</b>	<b>Caballo Island</b>			<b>Philippine Naval Station</b>	<b>MF, MC</b>	<b>** +</b>
Woodruff	1	14"	DC	1914	<u>Still Emplaced</u>	
Gillespie	1	14"	DC	1914	<u>Still Emplaced</u>	
Craighill	4	12"	M	1919	<u>Still Emplaced</u>	
Leach	2	6"	DC	1914	empl. destroyed, 1 barrel present	
Fuger	2	3"	P	1914	buried	
Willaims	2	155 mm	PM			
Hooker	1	155 mm	PM			
<b>FORT WINT</b>	<b>Grande Island, Subic Bay</b>			<b>to Philippines 1992, radar site</b>	<b>MF, MC</b>	<b>**</b>
Warwick	2	10"	DC	1910	guns to Casey 1967, built on	
Woodruff	2	6"	DC	1910	partially destroyed by magazine explosion after WW II	
Hall	2	6"	DC	1910	Mag dest. post war, guns & carr. <u>Still Emplaced</u>	
Flake	4	3"	P	1910	2 guns to Casey 1963	
Jewell	4	3"	P	1910	2 guns to Flagler 1963	
unnamed	4	155 mm	PM		Ogonbolo, Bataan	

The Harbor Defenses of Cristobal, Panama (Panama Canal Zone, Atlantic side )

<b>FORT RANDOLPH</b>	Margarita Island	1911		to Panama, 1979; commercial development	**
Webb	2 14"	DC		1912-1948	
#1	2 14"	RY		1928-1948	2 guns for Panama, 4 empl. (#1 & #8)
Tidball	4 12"	M		1912-1943	
Zalinski	4 12"	M		1912-1943	
Weed	2 6"	DC		1912-1946	
X(4A)	4 155 mm	PM		1940	
2C	4 155 mm	PM			
5A	4 155 mm	PM			
<b>FORT DeLESSEPS</b>	Colon	1911		to Panama, 1950s	**
Morgan	2 6"	P		1913-1944	modified casemate mounts M1910
AMTB #3b	4 90 mm	F		1943-1948	Cristobal mole, built over
<b>FORT SHERMAN</b>	Toro Point	1911	MF, MC	to Panama 1999	****
#151	2 16"	CBC		NB	
Mower	1 14"	DC		1912-1948	
Stanley	1 14"	DC		1912-1948	
Howard	4 12"	M		1912-1943	
Baird	4 12"	M		1912-1943	
Pratt	2 12"	BCLR		1924-1948	Iglesia Pt., casemated-WWII
MacKenzie	2 12"	BCLR		1924-1948	Iglesia Pt., not rebuilt
Kilpatrick	2 6"	DC		1913-1946	
W	4 155 mm	PM		1940	
<b>Other sites</b> ?					
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.
<b>The Harbor Defenses of Balboa, Panama (Panama Canal Zone, Pacific Side)</b>					
<b>FORT KOBBE (ex-Ft. Bruja)</b>	Bruja Point			to Panama 1999	**
Murray	2 16"	BCLR		1926-1948	Bruja Pt., casemated-WWII
Haan	2 16"	BCLR		1926-1948	Batele Pt., not casemated, empl. buried
AMTB #6	4 90 mm	F		1943-1948	
Z (3A)					
<b>FORT AMADOR</b>	Balboa			to Panama, 1997; commercial development	*
Birney	2 6"	DC		1913-1943	buried
Smith	2 6"	DC		1913-1943	buried
<b>FORT GRANT</b>	Balboa			to Panama, 1979	MF, MC **
Newton	1 16"	DC		1914-1943	Perico Is., filled to loading platform level
Buell	2 14"	DC		1912-1948	Naos Is.
Burnside	2 14"	DC		1912-1948	Naos Is.
Warren	2 14"	DC		1912-1948	Flaminco Is., empls. filled to parapit edge
Prince	4 12"	M		1912-1943	Flaminco Is.
Merritt	4 12"	M		1912-1943	Flaminco Is.
Carr	4 12"	M		1912-1943	Flaminco Is.
Parke	2 6"	DC		1912-1948	Naos Is.
#8	2 14"	RY		1928-1948	Culebra Is., empl (see #1, Randolph), covered
T	2 155 mm	PM			Flamenco Is.
U (10A)	2 155 mm	PM			Flamenco Is.
V (10B)	2 155 mm	PM			Culebra Is.
<b>Other sites</b> ?					
W (1B)	4 155 mm	PM			Taboquilla Is.
2B	2 155 mm	PM			Taboquilla Is.
	4 155 mm	PM			Paitilla Pt.
X	2 155 m	PM			Urara Is.
Y (1A)	4 155 mm	PM			Taboga Is.

**The Harbor Defenses of Sitka, Alaska**

FORT BABCOCK	Shoals Pt., Kruzof Is.		Tongass Natl. Forest		**
#290	2 6"	SBC	NC	88% complete	
	2 6"	NP	1942	named Allen? repl by BCN 290	
FORT PEIRCE	Biorka Is.		FAA and USCG		**
#291	2 6"	SBC	NC	98% complete	
FORT ROUSSEAU	Makhnati Is.		State of Alaska		**
#292	2 6"	SBC	1944-1950	completed	
unnamed	4 155 mm	PM			
	Other location				?
AMTB 1	2 90 mm	F	WWII	Watson Pt., buried? Church school	
AMTB 2	2 90 mm	F	WWII	Whale Is.	
<b>The Harbor Defenses of Seward, Alaska</b>					
FORT MCGILVRAY	Caine's Head		state recreation area		**
#293	2 6"	SBC	NC	99% complete	
AMTB	2 90 mm	F	WWII	Lowell Point	
Rocky Point	4 155 mm	PM			
FORT BULKLEY	Rugged Is		State of Alaska		**
#294	2 6"	SBC	NC	90% complete	
<b>The Harbor Defenses of Kodiak, Alaska</b>					
FORT J.H. SMITH	St. Peters Head, Chiniak		Lesnoi Corp.		**
#403	2 8"	BCLRN	1944-1950	1 gun tube at Buskin River Inn near airport	
#295	2 6"	SBC	NB		
Chiniak	4 155 mm	PM			
FORT TIDBALL	Castle Bluffs, Long Island		Lesnoi Corp		**
#296	2 6"	SBC	1944-1950	2 shields remain (no carr)	
Deer Point	4 155 mm	PM		Deer Point	
FORT ABERCROMBIE	Miller Point		state park		**
#404	2 8"	BCLRN	1944-1950	2 gun tubes displayed at battery	
AMTB	2 90 mm	F	WWII	Spruce Cape	
	Other Kodiak locations				?
#297	2 6"	SBC	NB	East Cape, Spruce Is.?	
AMTB	4 90 mm	F	WWII	Puffin Is.	
Artillery Hill	4 155 mm	PM		Bushkin Hill	
<b>The Harbor Defenses of Dutch Harbor, Alaska</b>					
FORT LEARNARD	Eider Point, Unalaska		Unalaska Corp.		**
#298	2 6"	SBC	1944-1950	2 shields (no carr.) remain at site	
AMTB 3a	2 90 mm	F	WWII		
FORT SCHWATKA	Ulakta Head, Amaknak Is.		Aleutian WWII Natl. Hist. Area		**
#402	2 8"	BCLRN	1944-1950		
#299	2 6"	SBC	NB		
AMTB	2 90 mm	F	1944-1950	on spit at Dutch Harbor	
Mt. Ballyhoo	4 155 mm	PM			
Hill 400	4 155 mm	PM		Fort Mears, Amaknak Is.	
FORT BRUMBACK	Summer Bay				**
Summer Bay	4 155 mm	PM			
other Alaskan positions					
	2 6"	NP		Cold Bay, Mortensen Pt.	
	2 6"	NP		Chernofski	
	2 6"	NP		Umnak, Sheep Pt.	
	1 6"	NP		George Is., <u>still emplaced</u>	
	2 6"	NP		Yakutat, Point Carrew, <u>still emplaced</u>	
	2 6"	NP		Nome	
	2 6"	NP		Annette Is.	
	2 6"	NP		Adak Is.	
	2 6"	NP		Shemya Is.	
	2 6"	NP		Popof Is., Sand Point	
	4 155 mm	PM		Cold Bay, Mortensen Pt.	
	2 155 mm	PM		Umnak, Umnak Pass	
	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	F		NB? Whittier
AMTBs	6	90 mm	F		NB? Amchitka Is.
AMTBs	8	90 mm	F		NB? Adak Is.
AMTB	2	90 mm	F		Shemya Is., 1 gun remains
<b>Defenses in Newfoundland, Canada</b>					
<b>FORT McANDREW</b>					
	Argentina				commercial development
					**
#281	2	6"	SBC	WWII	Argentia North, guns to Ft. Columbia 1993
#282	2	6"	SBC	WWII	<u>Still Emplaced</u> , Hill 195
#954	2	6"	NP	WW II	Shalloway Pt.
#604	2	6"	NP		Latine Point
unnamed	2	3"	P		Isaac Point, relocated to Airport
#955	2	3"	P		Airport
AMTB	2	90 mm	F		Roche Pt., covered
AMTB	2	90 mm	F		Ship Harbor Pt. ?
#T8503	2	155 mm	PM		Harmon Field, Stephenville
	St. John's				?
#T2212	2	8"	BC	WWII	M1918 carr., Signal Hill, later Redcliff Head
#T1653	2	155 mm	PM	WWII	
<b>Defenses in Bermuda</b>					
					**
unnamed	2	8"	RY		1 at Scaur Hill, 1 at Fort Victoria
#283	2	6"	SBC	WWII	Stone (Tudor) Hill, Southhampton Parish
#284	2	6"	SBC	WWII	Fort Victoria, St. Georges Is. covered
AMTB	4	90 mm	F		Fort Victoria
<b>Defenses in Jamaica (planned)</b>					
	Portland Bight, Heathshire				X
#285	2	6"	SBC	NB	battery location moved to Vieques Is.
<b>Defenses in Guantanamo Bay, Cuba</b>					
	U.S. Naval Station				never armed by Army
					?
unnamed	4	6"	DC	191?-NA	Conde' Bluff Reservation Taft-era, Carr. mounted
unnamed	4	3"	P	NA	Cuzco Hill Reservation
<b>The Harbor Defenses of Vieques Sound, Puerto Rico, Virgin Islands (Roosevelt Roads)</b>					
<b>FORT CHARLES W. BUNDY, Roosevelt Roads Naval Station, Puerto Rico</b>					
					now private & government
					*
#152	2	16"	CBC	NB	Punta Mata Redonda
#155	2	16"	CBC	NB	Punta Yeguas
#406	2	8"	BCLRN	NC?-1948	Punta Mata Redonda, magazine not built
#265	2	6"	SBC	WWII	Isla Pineros
#268	2	6"	SBC	WWII	Punta Lima, now a prison
#311	2	6"	SBC	NB	Cabo San Juan
AMTB	2	90 mm	F	WWII	Punta Algodones, HECF-HDCP
AMTB	4	90 mm	F	NB?	
	2	155 mm	PM		Punta Yeguas
	Vieques Island sites				X
#153	2	16"	CBC	NB	Mt. Pirata, Vieques Is.
#154	2	16"	CBC	NB	Cerro Matias Jalobre, Vieques Is. (orig. Culebra Is.)
#266	2	6"	SBC	NB	Cerro Martineau or Punta Mulas, Vieques Is.
#267	2	6"	SBC	NB	Punta Arenas or Mt. Pirata, Vieques Is.
#285	2	6"	SBC	NB	East End, Vieques Is.
	Culebra Island sites (planned)				X

#312	2	6"	SBC	NB	North Pt.		
#313	2	6"	SBC	NB	Dolphin Hd.		
<b>FORT SAGARRA</b>	St. Thomas Island sites 1944						*
#401	2	8"	BCLRN	NC -1948	Fortuna Hill, gunblocks only		
#314	2	6"	SBC	NA (97%)	Flamingo Pt., Water Is.		
#315	2	6"	SBC	NB	Hill 411		
AMTB	2	90 mm	F	WWII	Water Is. (Ft. Sagarra)		
AMTB	4	90 mm	F	WWII	Water Is.		

**The Harbor Defenses of San Juan, Puerto Rico**

<b>FORT MASCARO</b>	Punta Salinas		National Guard			**
Buckey (#261)	2	6"	SBC	WWII	Punta Salinas	
Pence (#262)	2	6"	SBC	WWII	East Salinas Island	
<b>FORT AMEZQUITA</b>	Las Cabras Is.		San Juan park			**
Reed	2	12"	CBC	1941-1948	guns from Torbert, Ft. Delaware, new carr.	
Cabras Island	4	155 mm	PM	1941-		
AMTB	2	90 mm	F		mobile only?	
	Punta Escambron					X
Schwan (#263)	2	6"	SBC	WWII	dest., 1965	
	Punta Cangrejos					*
Lancaster (#264)	2	6"	SBC	WWII	modified	
<b>FORT BROOKE</b>	El Morro		National Park Service			**
"Point"	1	3"	P	WWII	HECP-HDCP, exam battery	
Morro	1	4.7"	A	1918-		
Princesa	1	4.7"	A	1918-		
St. Elena	1	4.7"	A	1918-		
La Princesa	4	155 mm	PM	1941-		
	Other Puerto Rico 155 mm batteries					?
Acuda (Aguada)	4	155 mm	PM	1941-	Aguadilla	
Algarrobo	4	155 mm	PM	1941-	Mayaguez	
Ponce	4	155 mm	PM	1941-	Ponce	
Borinquen East	2	155 mm	PM	1941-	Borinquen	
Borinquen West	2	155 mm	PM	1941-	Borinquen	

**Planned defenses in Trinidad**

<b>Fort Read (planned)</b>						X
	2	12"	CBC	NB	Corozol Pt.	
	2	12"	CBC	NB	Chacachara Is.	
#271	2	6"	SBC	NB	Corozal Pt.	
#272	2	6"	SBC	NB	north Monos Is.	
#273	2	6"	SBC	NB	south Monos Is.	
#274	2	6"	SBC	NB	Chacachara Is.	
#275	2	6"	SBC	NB	Green Hill	
	24	155 mm	PM	WW II	various locations	
AMTBs	8	90 mm	F	NB?		
	Other AMTB sites					?
AMTBs	16	90 mm	F	NB?	Iceland	
Bluie West 1	2	90 mm	F	1942-44	Narsarsuaq, Greenland	
Bluie West 7	2	90 mm	F	1942-44	Kangilinnguit, Greenland	

## 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 brackets 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 officially named, but as many of the 1940-45 batteries were not named by the Army, the BCNs have been retained as unofficial 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,      § in danger of destruction,      † structure modified and/or built on.

**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 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 built<sup>1</sup> (also indicated by a parenthesis ( ) around the BCN); PC—partially completed (gun emplacements built, guns mounted but magazines not completed).

### Batteries built prior to 1940 still retained in mid-1945

#### *16-inch M1919MII & MIII Army guns on BCLR batteries*

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 BCLR batteries built 1921-22*

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Alexander C. M. Pennington <sup>2</sup>	Chesapeake Bay	Ft. Story	1921-22	RM	M1920
[Willoughby] Walke <sup>2*</sup>	Chesapeake Bay	Ft. Story	1921-22	RM	M1920

#### *Early 16-inch MkiIMI Navy gun on 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	C	M2
[Clarence P.] Townsley	San Francisco	Ft. Cronkhite	1938-40	C	M2

#### *12-inch M1895/M1895MI gun on BCLR batteries*

Name	Harbor Defense	Location	Built	Status in 46	carriage 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

*12-inch M1895/M1895MI gun on BCLR batteries (cont.)*

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 <sup>3</sup>	Manila Bay	Ft. Mills	1919-21	-	M1917
[Clint C.] Hearn <sup>3</sup>	Manila Bay	Ft. Mills	1918-21	-	M1917

*8-inch batteries<sup>4</sup>*

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Granger Adams * <sup>4</sup>	Honolulu	Ft. Ruger	1933-35	C	M1918
[Fredrick S.] Strong	San Diego	Ft. Rosecrans	1937	C	M1
[Henry J.] Reilly† <sup>4</sup>	Narrangansett Bay	Ft. Church	1938?	C	M1

Batteries built or planned during the years<sup>5</sup> 1940-1945*16-inch MkiIMI Navy gun casemated batteries*

BCN	Name	Harbor Defense	Location	Status in 46	carriage model	BES
(101)		Portland	Cape Elizabeth <sup>1</sup>	NB	—	
102	[Harry L.] Steele	Portland	Peake Island MR	C	M4/M5	9
103	[Claudius M.] Seaman	Portsmouth	Ft. Dearborn	C	M5	14
104	John B. Murphy	Boston	East Point MR	C	M4	10
105 *		Boston	Ft. Dawes <sup>5</sup>	NC (deferred)	M5	9
(106)		Boston	Flowers Hill, Scituate <sup>1</sup>	NB	—	
107	[Quinn] Gray <sup>6</sup>	Narragansett Bay	Ft. Church	C	M3	?
108	[Alston] Hamilton	Narragansett Bay	Ft. Greene	C	M4	12
109		Narragansett Bay	Ft. Greene	C (deferred)	M4/M5	10
(110)		Narragansett Bay	Ft. Burnside <sup>1</sup>	NB	—	
111		Long Island Sound	Wilderness Pt., Fishers Is.	NC (deferred)	M4/M5	14
112		Long Island Sound	Camp Hero	C	M4	5
113	[John M.] Dunn	Long Island Sound	Camp Hero	C	M4	6
(114)		Long Island Sound	Ft. Terry ->Watch Hill, RI <sup>1</sup>	NB	—	
(115)		New York	Ft. Wadsworth <sup>1</sup>	NB	—	
116	Isaac N. Lewis	New York	Navesink MR	C	M4	8
(117)		New York	Nigger Pt. ->Jamaica Bay <sup>1</sup>	NB	—	
118	William R. Smith	Delaware	Ft. Miles	C	M4	7
(119)		Delaware	Ft. Miles	NB (replaced by #519)		
120	[Daniel W.] Ketcham	Chesapeake Bay	Ft. Story	C	M4	8
121		Chesapeake Bay	Ft. Story	C	M4	8
122	[Eben E.] Winslow	Chesapeake Bay	Ft. John Custis	C	M4	8
(123)		Chesapeake Bay	Ft. John Custis <sup>1</sup>	NB	—	
(124)		Chesapeake Bay	Ft. Monroe <sup>1</sup>	NB	—	
(125)		Charleston	James Island	NB (replaced 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 <sup>11</sup>	NA (deferred)	M4	?
129		San Francisco	Ft. Barry	NA (deferred)	M4	12
(130)		San Francisco	Milagra Ridge MR	NB	—	
131		Puget Sound	Camp Hayden	C	M4	10
(132)		Cape Flattery	Ft. Hayden	NB	—	
(133)		Cape Flattery	Ft. Hayden	NB	—	
134		San Diego	Ft. Emory	NA (deferred)	M4	?
(151)		Cristobal, Panama	Ft. Sherman <sup>1</sup>	NB	—	
(152)		Roosevelt Roads	Punta Mata Redondo, P.R. <sup>1</sup>	NB	—	
(153)		Roosevelt Roads	Mt. Pirata, Vieques Is. <sup>1</sup>	NB	—	
(154)		Roosevelt Roads	Mt. Jalobre, Vieques Is. <sup>1</sup>	NB	—	
(155)		Roosevelt Roads	Punta Yeguas, P.R. <sup>1</sup>	NB	—	

*12-inch M1895/M1895M1 gun on BCLR casemated batteries*

BCN	Name	Harbor Defense	Location	Status in 46	carriage model
	[Henry A.] Reed	San Juan	Ft. Amezquita, Cabras Is.	C	M1917
		Trinidad	Chacachacare Is. <sup>1</sup>	NB	—
		Trinidad	Corozal Pt. <sup>1</sup>	NB	—
519		Delaware	Ft. Miles	C	M1917
520		Charleston	Marshall MR, Sullivan's Is.	C	M1917

*8-inch Navy gun on BCLR batteries<sup>4</sup>*

BCN	Name	Harbor Defense	Location	Status in 46	carriage model
401		Roosevelt Roads	Fortuna Hill, St. Thomas I.	PC	M1
402		Dutch Harbor	Ft. Schwatka	C	M1
403		Kodiak	Ft. J.H. Smith	C (two story)	M1
404		Kodiak	Ft. Abercrombie	C	M1
405 <sup>7</sup>	Robert E. DeMerritt	Kaneohe Bay	near PuuPapaa	C	M1
406		Roosevelt Roads	Punta Mata Redonda, P.R.	PC	M1
407 <sup>7</sup>		Honolulu	Ft. Ruger	NC	M1
(408)		North Shore, Oahu	Paumalu MR <sup>1</sup>	NB	—
409 <sup>7</sup>		North Shore, Oahu	Kaena Pt.	NC (tunnels excavated)	

*6-inch gun BCLR shielded batteries<sup>4</sup>*

BCN	Name	Harbor Defense	Location	Status/1946	guns/carr.	# BES
201		Portland	Cape Elizabeth MR	NA	—/M4	5
202		Portland	Jewell Is. MR	C	M1/M3	5
203	[Richard K.] Cravens	Portland	Peake Is.	C	05A2/M1	5
204		Portsmouth	Ft. Dearborn	C	M1/M3	6
205		Portsmouth	Ft. Foster	NA	—/M4	6
206		Boston	East Point, Nahant	C	03A2/M1	5
207 <sup>*</sup>		Boston	Ft. Dawes <sup>5</sup>	NA	—/M3	5
208		Boston	Fourth Cliff	C	M1/M4	4
209	[Frank C.] Jewell	Boston	Outer Brewster Is.	C	M1/M3	6
210 <sup>†</sup>		New Bedford	Mishaum Pt.	C	M1/M3	5
211 <sup>§</sup>		Narrangansett Bay	Ft. Greene	C	03A2/M1	6
212 <sup>†</sup>		Narrangansett Bay	Warren Pt.	C	03A2/M1	6
213		Narrangansett Bay	Ft. Burnside	C	05A2/M1	5
214		Long Island Sound	Wilderness Pt., Fishers Is.	NA	—/M4	6
215		Long Island Sound	Ft. H.G. Wright	C	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	C	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
223 <sup>§</sup>		Delaware Bay	Cape May MR	NC	M1/M3	4
224	[Phillip] Worcester <sup>8</sup>	Chesapeake Bay	Ft. Story	C	00/00 Ped.	2
225	[Raymond V.] Cramer	Chesapeake Bay	Ft. Story	C	03A2/M2	3
226		Chesapeake Bay	Ft. Story	C	M1/M4	3
227 <sup>9</sup>		Chesapeake Bay	Fishermans Is.	C	05A2/M1	3
228		Chesapeake Bay	Ft. John Custis	NA	—/M4	4
229	[Horatio] Gates <sup>10</sup>	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 <sup>9</sup>		Pensacola	Ft. Pickens	NA	—/M4	3
235		Galveston	Ft. San Jacinto	C	05A2/M1	3
236		Galveston	Ft. Travis	NA	—/M1	3
237		San Diego	Ft. Rosecrans	C	03A2/M1	5
238	[Charles] Humphreys	San Diego	Ft. Rosecrans	C	03A2/M1	4
239	[Homer B.] Grant	San Diego	Ft. Emory	C	05A2/M1	5

*6-inch gun BCLR shielded batteries (cont.)*

BCN	Name	Harbor Defense	Location	Status/1946	guns/carr. #	BES
240	Harry C. Barnes	Los Angeles	Point Vicente MR	C	03A2/M1	4
241 <sup>†11</sup>		Los Angeles	Ft. MacArthur	C?	M1/M4	6
242 *	Harry J. Harrison <sup>11</sup>	Los Angeles	Bolsa Chica MR	NC?	M1/M4	6
243 <sup>12</sup>		San Francisco	Ft. Miley	NA	—/M4	6
244 <sup>12</sup>		San Francisco	Milagra Ridge MR	C	M1/M4	5
245		Columbia River	Ft. Stevens	C	M1/M4	7
246 <sup>12</sup>		Columbia River	Ft. Columbia	NA	—/M4	7
247 <sup>12</sup>		Columbia River	Ft. Canby	C	M1/M4	6
248		Puget Sound	Ft. Ebey	C	05A2/M1	5
249		Puget Sound	Camp Hayden	C	M1/M4	7
(250)		Cape Flattery	Ft. Hayden, Neah Bay	NB	—	
(251)		Cape Flattery	Ft. Hayden, Ocean Creek	NB	—	
261	[Mervyn C.] Buckey	San Juan	Punta Salinas	NA	—/M4	5
262	[William P.] Pence	San Juan	East Salinas Is.	C	03A2/M1	5
263 *	[Theodore] Schwan	San Juan	Punta Escambron	C	03A2/M1	4
264	[James W.] Lancaster	San Juan	Punta Cangrejos	C	03A2/M1	4
265		Roosevelt Roads	Pineros Is., P.R.	C	03A2/M1	
(266)		Roosevelt Roads	Martineau Hill, Vieques Is. <sup>1</sup>	NB	—	
(267)		Roosevelt Roads	Punta Arenas, Vieques Is. <sup>1</sup>	NB	—	
268		Roosevelt Roads	Punta Lima, P.R.	NA	—/M4	
(271)		Trinidad	Ft. Read, Corozal Pt. <sup>1</sup>	NB	—	
(272)		Trinidad	Ft. Read, Monos Is. N. <sup>1</sup>	NB	—	
(273)		Trinidad	Ft. Read, Monos Is. S. <sup>1</sup>	NB	—	
(274)		Trinidad	Ft. Read, Chacachacare Is. <sup>1</sup>	NB	—	
(275)		Trinidad	Ft. Read, Green Hill <sup>1</sup>	NB	—	
281 <sup>12</sup>		Argentia	Ft. McAndrew (North)	C	03A2/M1	
282 <sup>13</sup>		Argentia	Ft. McAndrew, Hill 195	C	03A2/M1	
283		Bermuda	Stone Hill	C	03A2/M1	5
284 <sup>†</sup>		Bermuda	Ft. Victoria	C	03A2/M1	4
(285)		Jamaica -> Roosevelt Roads	Portland Bight-> Vieques I. <sup>1</sup>	NB	—	
290		Sitka	Ft. Babcock	NC(88%)	—/—	2
291		Sitka	Ft. Peirce	NC(98%)	03A2/M1	4
292		Sitka	Ft. Rousseau	C	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 <sup>1</sup>	NB	—	
296		Kodiak	Ft. Tidball	C	03A2/M1	
(297)		Kodiak	Ft. Abercrombie <sup>1</sup>	NB	—	
298		Dutch Harbor	Ft. Learnard	C	03A2/M1	
(299)		Dutch Harbor	Ft. Schwatka <sup>1</sup>	NB	—	
301	Forrest J. French	Kanoche Bay	Ft. Hase	C	03A2/M1	3
302 <sup>7</sup>	Avery J. Cooper	Kanoche Bay	Lae-o-ka-oio	C	03A2/M1	3
303 <sup>7</sup>		Pearl Harbor	Puo-O-Hulu	NC	— / —	
304		Honolulu	Punchbowl	NC	— / —	
(305)		Pearl Harbor	Koko Saddle <sup>1</sup>	NB	—	
(311)		Roosevelt Roads	Cabo San Juan, P.R. <sup>1</sup>	NB	—	
(312)		Roosevelt Roads	Culebra Is., North Pt. <sup>1</sup>	NB	—	
(313)		Roosevelt Roads	Culebra Is., Dolphin Head <sup>1</sup>	NB	—	
314		Roosevelt Roads	Water Is., St. Thomas	NA	—/M4	
(315)		Roosevelt Roads	Hill 411, St. Thomas <sup>1</sup>	NB	—	

*1942-1945 Hawaiian Naval turret batteries*

Name	Armament	Location	Status in 1946
Lewis S. Kirkpatrick	two twin 8" turrets	Wiliwilinui Ridge	C
Louis S. Burgess *	two twin 8" turrets	Salt Lake MR	C
Carrol G. Riggs	two twin 8" turrets	Opaeula MR	C
George W. Ricker	two twin 8" turrets	Browns Camp MR	C
Pennsylvania	one triple 14" turret	Ft. Hase, Ulupau Head	C
Arizona <sup>14</sup>	one triple 14" turret	Kahe Pt.	NC

## NOTES:

1. 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 1940-1944. 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. Both these guns were rendered inoperable by their crews before Corregidor was surrendered to the Japanese on May 6, 1942.
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. All the emplacements at Fort Dawes on Deer Island were destroyed in the mid-1980s for a Boston municipal water treatment plant.
6. The construction of Battery Gray was actually begun in 1939, but it was incorporated into the new construction program as BCN 107. Battery Hamilton (BCN 108) and Battery Ketcham (BCN 120) were of a similar early design.
7. These batteries were constructed as tunnels in the hillsides of Oahu. The guns were protected from rockfall by thin concrete aprons.
8. 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.
9. 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.
10. Battery Gates (BCN 229) was a conversion of an existing 6 inch battery, there was only 105 ft. between the guns.
11. 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 in 1944. The guns remained at BCN 241 until the mid-1950s. Both Bolsa Chica batteries were demolished during 1993-95.
12. The gun tubes for BCN 246 were delivered to the site but not mounted. Apparently 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 which were at BCN 281 were removed, refurbished, and installed in BCN 246 at Fort Columbia State Park by the State of Washington.
13. The guns still remain at BCN 282.
14. The guns and turret were mounted at Battery Arizona, but it was not considered complete nor were its guns proof-fired.