



MODERN AMERICAN SEACOAST DEFENSES

A LIST OF MILITARY RESERVATIONS AND CONCRETE GUN BATTERIES

1890-1950

Compiled by Mark A. 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 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 Shore Facilities (MF), 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 [*indicated by italics and brackets*].

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

FORT BALDWIN	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

The Harbor Defenses of Portland

Long Island Military Reservation				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	
Other locations					**
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
FORT LYON	Cow Island	1896		private	**
Bayard	3	6"	DC	1907-1917	
Abbot	3	3"	P	1909-1946	
FORT MCKINLEY	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	
Peak's Island Military Reservation				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
Jewell Island Military Reservation				state prop	**
#202	2	6"	SBC	1944	NC
AMTB 967	2	90 mm	F	1943-1946	
AMTB 968	2	90 mm	F	1943-1946	
FORT LEVETT	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	
FORT PREBLE	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
FORT WILLIAMS	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	
Keyes	2	3"	P	1905-1946	
AMTB 961	2	90 mm	F	1943-1946	one gun block covered

Cape Elizabeth Military Reservation				state park		**	
[#101]	2	16"	CBC	NB	location not in park but nearby		
#201	2	6"	SBC	NA			
Biddleford Military Reservation				private?		*	
unnamed	4	155 mm	PM				
The Harbor Defenses of Portsmouth							
FORT FOSTER				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		
FORT CONSTITUTION				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		
FORT STARK				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		
FORT DEARBORN				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		
Salisbury Beach Military Reservation						*	
unnamed	4	155 mm	PM		1 mount buried		
The Harbor Defenses of Boston							
East Point Military Reservation					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		
FORT RUCKMAN				Nahant		municipal park	**
Gardner	2	12"	BCLR	1924-1946	casemated- WWII, partially buried		
FORT BANKS				Winthrop	1899	municipal park/private	*
Lincoln	8	12"	M	1896-1943	magazines covered		
Kellogg	8	12"	M	1896-1943	magazines covered, 1 pit buried		
FORT HEATH				Grover's cliff		private & municipal park	X
Winthrop	3	12"	DC	1901-1945	destroyed		
AMTB 945	2	90 mm	F	1943-1946	buried		
FORT DAWES				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		
FORT WARREN				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			
FORT STANDISH				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			

FORT STRONG	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
FORT ANDREWS	Peddocks Island		Metropolitan District Commission park		***
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	
FORT DUVALL	Hog Island	1920-1944	private (Renamed Spinnaker Is)		*
Long	2	16"	BCLR	1927-1948	casemated- WWII, built on
FORT REVERE	Telegraph Hill, Hull		Metropolitan District Commission , private		*
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
	Outer Brewster Island		Massachuselts Dept. Environmental Management		**
Jewell (#209)	2	6"	SBC	1943-1948	
	Great Brewster Island		Massachuselts Dept. Environmental Management		**
AMTB 942	2	90 mm	F	1943-1946	
Fourth Cliff Military Reservation	Scituate		Air Force recreation area		***
[#106]	2	16"	CBC	NB	no final location (Flowers Hill)
#208	2	6"	SBC	1944-1948	Generators still in place
Sagamore Hill Military Reservation					*
unnamed	2	155 mm	PM		

The Harbor Defenses of New Bedford

FORT RODMAN	Clarke Point	1840-(1947)	waste water treatment plant/ city park	MF, MC	**
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		
Mishaum Point Military Reservation					*
#210	2	6"	SBC	1945-1947	private, built on
unnamed	2	155 mm	PM		covered
	Other locations				*
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

The Harbor Defenses of Narragansett Bay

FORT CHURCH	Sakonnet Point (3 sections)		private club/private/private		*
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		

FORT ADAMS	Newport 1824		state park, Navy housing	MF, MC	****
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		
FORT WETHERILL	Conanicut Is. 1900-1945		state park	MF, MC	**
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	
FORT GETTY	Conanicut Island 1903		Jamestown city park		*
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	
FORT BURNSIDE	Beavertail 1940-1948		state park		***
#110	2 16"	CBC	NB		
#213	2 6"	SBC	1943-1948		
Whiting (2)	2 3"	P	1942-1946		
FORT GREBLE	Dutch Island 1863		state land/park	MF, MC	***
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		
FORT KEARNY	Saunderstown 1904		state university campus		**
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	
FORT VARNUM	Boston Neck 1941		National Guard		****
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		
FORT GREENE	Point Judith (3 sections) 1941				**
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	
	Other locations				X
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	

The Harbor Defenses of Long Island Sound

FORT MANSFIELD	Napatree Point, R.I. 1900		state park		**
[#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	
	other Connecticut sites				X
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	

FORT H.G. WRIGHT	Fisher's Island	1899	private	MF, MC	****
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
FORT MICHIE	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	
FORT TERRY	Plum Island		USDA Animal Disease Lab	MF, 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		
FORT TYLER	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	
CAMP HERO	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

The Harbor Defenses of Eastern New York

FORT SLOCUM	Dauids 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

FORT SCHUYLER	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	
FORT TOTTEN	Willer'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?		
The Harbor Defenses of Southern New York					
FORT TILDEN	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, b uried	
FORT HAMILTON	East Narrows, Brooklyn 1831	Army Post			X
Piper	8 12"	M	1901-1942	(all Hamilton emplacements have been-	
Brown	2 12"	DC	1902-	destroyed or buried)	
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 Tilden1917	
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		
FORT WADSWORTH	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	

FORT HANCOCK		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
Highlands Military Reservation, New Jersey (Navesink)			Hartshorne Woods Monmouth County Park	**
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
The Harbor Defenses of the Delaware				
FORT MOTT		Finns Point, N.J. 1900	state park	*****
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	
FORT DELAWARE		Pea Patch Island 1847	state park	MC ***
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	
FORT DuPONT		Delaware City, Del. 1896	assorted public agencies, state park	MF, MC *****
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
FORT SAULSBURY		Slaughter Beach, Del. 1902	private, Wildlife Refuge	**
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	MF, MC	***
Smith (#118)	2 16"	CBC	1943-1948	one 16" 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	MF, 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	MF, 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	one 16" navy MkVII barrel in casemate 2013	
[#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, partially dest. named Battery Henry Sims Morgan by GA in 2006	

The Harbor Defenses of Jacksonville						**
unnamed	2	8"	Rod	1898-1899	St. John's Bluff	
unnamed	4	155mm	FM	1942-1944	Mayport	
The Harbor Defenses on the St. Mary's River						**
unnamed	1	8"	Rod	1898-1900	Fort Clinch	
Temporary Harbor Defenses of Fort Lauderdale						?
unnamed	4	155mm	FM	1942-1944		
Temporary Harbor Defenses of Miami Beach						?
unnamed	4	155mm	FM	1942-1944		
The Harbor Defenses of Key West						
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	
Other locations						*
#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	
The Harbor Defenses of Tampa Bay						
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	
Other Florida sites						X
unnamed	2	155 mm	PM	1943-1944	Temp. HD of Panama City, FL	
unnamed	2	155 mm	PM	NA	Port St.. Joe, FL	
The Harbor Defenses of Pensacola						
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	
The Harbor Defenses of Mobile					
FORT MORGAN	Mobile Point	1833-(1928)	state park	MF, MC	****
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	
FORT GAINES	Dauphin Island	1821-(1928)	county park		***
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	*
The Harbor Defenses of the Mississippi					
FORT ST. PHILIP	north bank	1843-(1928)	1943 private	MF, MC	***
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		
FORT JACKSON	south bank	1832-(1928)	parish park		**
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	
Sabine Pass, TX					
unnamed	1 8"	Rod	1898-1899	buried or destroyed?	*
unnamed	2 155 mm	PM	1942-		
The Harbor Defenses of Galveston					
FORT TRAVIS	Bolivar Point	(-1947)	county park		**
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	
FORT SAN JACINTO	Fort Point	(-1947)	Corps of Eng. prop	MF, MC	*
Mercer	8 12"	M	1898-1943	partially buried in mud	
Heileman	2 10"	DC	1899-1943	1 gun ARF, partially destroyed & buried	
#235	2 6"	SBC	1944-1946	partially buried	
Hogan	2 4.7"	A	1898-1917	partially destroyed & buried	
Croghan	2 3"	MP	1911-1946	converted to 3-in P	
AMTB #4	2 90 mm	F	1943-1946	buried	
FORT CROCKETT	Galveston	(-1947)	private, federal prop		***
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	

	2	6"	NP		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 Diego						
FORT EMORY	Coronado Heights		Former Navy radio facility, current training site		**	
#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	
FORT PIO PICO	North Island 1906-1919 (to Navy 1935)		Naval Air Station		X	
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	
FORT ROSECRANS	Point Loma 1899-1958		Navy Base, Natl. Cem., Cabrillo N.M.		MF, MC ****	
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			
The Harbor Defenses of Los Angeles						
Bolsa Chica Military Reservation	north of Huntington Beach		private, state reserve		X	
#128	2	16"	CBC	1944 NC	destroyed	
Harrison (#242)	2	6"	SBC	1944-1948	destroyed	
unnamed	2	155 mm	PM	1942		
FORT MacARTHUR (Upper & Lower)	San Pedro 1885-1975 (M)		Air Force housing, city park		*****	
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		
White Point Military Reservation	San Pedro		Air Force housing, city property		**	
Bunker (#127)	2	16"	CBC	1944-1948		
Long Point Military Reservation	Pt. Vicente (Rancho Palos Verdes)		city park		**	
Barnes (#240)	2	6"	SBC	1944-195?	Pt. Vicente	
unnamed	2	155 mm	PM	1942	Long Point, dest.	
Other locations						
"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		
The Harbor Defenses of San Francisco							
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	MF, MC	*****
Dynamite	3	15"	Pn	1894-1904	converted to HECR, 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	MF, 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			
FORT CRONKHITE	Tennessee Point	1937-1975	Golden Gate	National Recreation Area		*****
Townslley	2 16"	CBC	1940-1948	restorartion, one 16" navy MkVII barrel on display 2012		
unnamed	2 3"	P	1940s	training battery		

MD, Yerba Buena Island
MD, Alcatraz Is.

The Harbor Defenses of the Columbia

FORT STEVENS	Point Adams	1852-(1947)	state park, private	MF, MC	*****
Clark	8 12"	M	1899-1942	4 guns to Canby 1918	
Mishler	2 10"	DC	1897-1941	ARF, 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	

FORT COLUMBIA	Chinook Point	1864-(1947)	state park	MC	*****
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		

FORT CANBY	Cape Disappointment	1852-(1947)	state park, USCG		**
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	

The Harbor Defenses of Grays Harbor (temporary)

North Cove (Willapa Bay)						*
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		
Westport, private						*
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		

The Harbor Defenses of Puget Sound

FORT WARD	Bean Point	1903-(1928)1938	private, metro park	MF, MC	***
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	

Middle Point Military Reservation			state park	ME, MC	***
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	<u>no</u> 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		
			Canadian sites, British Columbia		*
	2 8"	RY	1941-43	Christopher Point, Vancouver Is.	
	2 8"	RY	1941-43	Fairview, Prince Rupert	

The Harbor Defenses of Honolulu, Hawaii

FORT RUGER	Diamond Head	1906-now	Natl. Guard	State Dept.	Land Nat. Res.	State Civil Def.	***
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			
Wiliwilinui Ridge M.R.			private				*
Kirkpatrick	4 8"	2xNT	1942-1948				
Wili	4 155 mm	PM		destroyed			
FORT DeRUSSY	Waikiki Beach	1908- now	Army recreation center	Army Museum			*
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			
FORT ARMSTRONG	Kaakaukukui Reef	1899	private	MF, MC			X
Tiernon	2 3"	P	1911-1943	destroyed			
Sand Island Military Reservation							*
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			
Other locations- Honolulu							?
#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			

The Harbor Defenses of Pearl Harbor, Hawaii

FORT BARRETTE	Kapolei	1934	city/county park				***
Hatch	2 16"	BCLRN	1934-1948	casemated-WWII			
FORT WEAVER	Puuloa	1899 (1922)	Navy Housing				*
Williston	2 16"	BCLR	1924-1948	ARF, destroyed			
AMTB No. 1	2 90 mm	F	1943-1945				
Weaver	4 155 mm	PM					
FORT KAMEHAMEHA	Queen Emma Point	1908-1949	Hickam AFB	MF?, MC			***
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					
Puu O Hulu M.R.							**
"Hulu"	2 7"	NCM	1942-1944	incorporated into BCN #303			
#303	2 6"	SBC	1942 NC	tunneled into rock			
Other locations- Pearl Harbor							*
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
The Harbor Defenses of Kaneohe Bay and the North Shore of Oahu, Hawaii					
FORT HASE	Mokapu Point	1942	Marine Corps Base, Hawaii		**
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		
Paumalu M.R.	Waialeale				X
[#408]	2	8"	BCLRN	NB	
[unnamed]	4	8"	RY	NB	
Kawailoa M.R.					X
unnamed	4	8"	RY	1940-1942	
unnamed	4	155 mm	PM		
Opaeula M.R.				private	*
Riggs	4	8"	2xNT	1942-1948	
Brodie Camp M.R.	Helemano			private	*
Ricker	4	8"	2xNT	1942-1948	
Kaena Point M.R.					**
#409	2	8"	BCLRN	1942 NC	tunneled into rock
Other locations- North Shore					*
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
Oahu howitzer positions manned by field artillery units					?
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
Other locations- other islands					?
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			
FORT FRANK	Carabao Island		abandoned		**
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			
FORT DRUM	El Fraile Island		abandoned		** +
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	
FORT HUGHES	Caballo Island		Philippine Naval Station	MF, MC	** +
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			
FORT WINT	Grande Island, Subic Bay		to Philippines 1992, radar site	MF, MC	**
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)

FORT RANDOLPH		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				
FORT DeLESSEPS		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		
FORT SHERMAN		Toro Point	1911	ME, 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			

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 Balboa, Panama (Panama Canal Zone, Pacific Side)

FORT KOBBE (ex-Ft. Bruja)		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)						
FORT AMADOR		Balboa	to Panama, 1997; commercial development		*	
Birney	2	6"	DC	1913-1943	buried	
Smith	2	6"	DC	1913-1943	buried	
FORT GRANT		Balboa	to Panama, 1979		ME, 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.	
Other sites						?
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	
	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.	

The Harbor Defenses of Seward, Alaska

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	

The Harbor Defenses of Kodiak, Alaska

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	

The Harbor Defenses of Dutch Harbor, Alaska

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	Ulakra 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

Defenses in Newfoundland, Canada

FORT McANDREW Argentia, St. Johns, Stephenville, other locations: commercial development, private, parkland ***

	2	10"	BC	1942-44	M1888 guns, St. Johns
	2	10"	BC	1941-44	Fort McNutt, Shelburne
	2	10"	BC/DC	1942-44	Fort Prevel, Gaspé, Quebec
	2	10"	DC	1942-43	Wiseman Cove, Botwood
#T2212	2	8"	RY	1941-44	Signal Hill, later Redcliff Head, St. Johns
#281	2	6"	SBC	WWII	Argentia North, guns to Ft. Columbia 1993
#282	2	6"	SBC	WWII	<u>Still Emplaced</u> , Argentia Hill 195
#954	2	6"	NP	WWII	Shalloway Pt., Argentia
#604	2	6"	NP	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	F	WWII	Roche Pt., Argentia, covered
AMTB	2	90 mm	F	WWII	Ship Harbor Pt. ? Argentia

Defenses in Bermuda

**

	2	8"	RY	1941-44	Scaur Hill
	2	8"	RY	1941-44	Fort Victoria
#283	2	6"	SBC	1943-46	Stone (Tudor) Hill, Southhampton Parish
#284	2	6"	SBC	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 (planned)

Portland Bight, Heathshire

X

#285	2	6"	SBC	NB	battery location moved to Vieques Is.
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Defenses in Guantanamo Bay, Cuba

U.S. Naval Station

never armed by Army

?

	4	6"	DC	191?-NA	Conde' Bluff Reservation Taft-era, Carr. mounted
	4	3"	P	NA	Cuzco Hill Reservation

The Harbor Defenses of Vieques Sound, Puerto Rico, Virgin Islands (Roosevelt Roads)

FORT CHARLES W. BUNDY, Roosevelt Roads Naval Station, Puerto Rico

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, HECP-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.
FORT SAGARRA 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

FORT MASCARO		Punta Salinas		National Guard		**
Buckey (#261)	2	6"	SBC	WWII	Punta Salinas	
Pence (#262)	2	6"	SBC	WWII	East Salinas Island	
FORT AMEZQUITA		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	
FORT BROOKE		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

Fort Read (planned)					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	Kangilinnuit, 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 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

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 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 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 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	Honolulu	Ft. Ruger	1933-35	C	M1918
(Fredrick S.) Strong	San Diego	Ft. Rosecrans	1937	C	M1
(Henry J.) Reilly† ⁴	Narrangansett Bay	Ft. Church	1938?	C	M1

Batteries built or planned during the years⁵ 1940-1945*16-inch MkiIMI Navy gun casemated batteries*

BCN	Name	Harbor Defense	Location	Status in 46	carriage model	BES
[101]		Portland	Cape Elizabeth ¹	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 ⁵	NC (deferred)	M5	9
[106]		Boston	Flowers Hill, Scituate ¹	NB	—	
107	(Quinn) Gray ⁶	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 ¹	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 ¹	NB	—	
[115]		New York	Ft. Wadsworth ¹	NB	—	
116	Isaac N. Lewis	New York	Navesink MR	C	M4	8
[117]		New York	Nigger Pt. -> Jamaica Bay ¹	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 ¹	NB	—	
[124]		Chesapeake Bay	Ft. Monroe ¹	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 ¹¹	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 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	—	

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. ¹	NB	—
		Trinidad	Corozal Pt. ¹	NB	—
519		Delaware	Ft. Miles	C	M1917
520		Charleston	Marshall MR, Sullivan's Is.	C	M1917

8-inch Navy gun on BCLR batteries⁴

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 ⁷	Robert E. DeMerritt	Kaneohe Bay	near PuuPapaa	C	M1
406		Roosevelt Roads	Punta Mata Redonda, P.R.	PC	M1
407 ⁷		Honolulu	Ft. Ruger	NC	M1
[408]		North Shore, Oahu	Paumalu MR ¹	NB	—
409 ⁷		North Shore, Oahu	Kaena Pt.	NC (tunnels excavated)	

6-inch gun BCLR shielded batteries⁴

BCN	Name	Harbor Defense	Location	Status/1946	guns/carr.	# BES
201		Portland	Cape Elizabeth MR	NA	—/M4	5
202		Portland	Jewell Is. MR	C NA?	M1/M3	5
203	(Richard K.) Cravens	Portland	Peake Is.	C	05A2/M1	5
204		Portsmouth	Ft. Dearborn	C NA?	M1/M3	6
205		Portsmouth	Ft. Foster	NA	—/M4	6
206		Boston	East Point, Nahant	C NA?	03A2/M1	5
207 [*]		Boston	Ft. Dawes ⁵	NA	—/M3	5
208		Boston	Fourth Cliff	C NA?	M1/M4	4
209	(Frank C.) Jewell	Boston	Outer Brewster Is.	C	M1/M3	6
210 [†]		New Bedford	Mishaum Pt.	C NA?	M1/M3	5
211 [§]		Narrangansett Bay	Ft. Greene	C	03A2/M1	6
212 [†]		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 NA?	03A2/M1	6
223 [§]		Delaware Bay	Cape May MR	NC	M1/M3	4
224	(Phillip) Worcester ⁸	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 NA?	M1/M4	3
227 ⁹		Chesapeake Bay	Fishermans Is.	C	05A2/M1	3
228		Chesapeake Bay	Ft. John Custis	NA	—/M4	4
229	(Horatio) Gates ¹⁰	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 NA?	M1/M3	3
233		Pensacola	Ft. McRee	NA	—/M4	3
234 ⁹		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 ^{†11}		Los Angeles	Ft. MacArthur	C? NA?	M1/M4	6
242 *	Harry J. Harrison ¹¹	Los Angeles	Bolsa Chica MR	NC?	M1/M4	6
243 ¹²		San Francisco	Ft. Miley	NA	—/M4	6
244 ¹²		San Francisco	Milagra Ridge MR	C NA?	M1/M4	5
245		Columbia River	Ft. Stevens	C NA?	M1/M4	7
246 ¹²		Columbia River	Ft. Columbia	NA	—/M4	7
247 ¹²		Columbia River	Ft. Canby	C NA?	M1/M4	6
248		Puget Sound	Ft. Ebey	C	05A2/M1	5
249		Puget Sound	Camp Hayden	C NA?	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. ¹	NB	—	
[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	—	
[273]		Trinidad	Ft. Read, Monos Is. S. ¹	NB	—	
[274]		Trinidad	Ft. Read, Chacachacare Is. ¹	NB	—	
[275]		Trinidad	Ft. Read, Green Hill ¹	NB	—	
281 ¹²		Argentia	Ft. McAndrew (North)	C	03A2/M1	
282 ¹³		Argentia	Ft. McAndrew, Hill 195	C	03A2/M1	
283		Bermuda	Stone Hill	C	03A2/M1	5
284 [†]		Bermuda	Ft. Victoria	C	03A2/M1	4
[285]		Jamaica -> Roosevelt Roads	Portland Bight-> Vieques I. ¹	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 ¹	NB	—	
296		Kodiak	Ft. Tidball	C	03A2/M1	
[297]		Kodiak	Ft. Abercrombie ¹	NB	—	
298		Dutch Harbor	Ft. Learnard	C	03A2/M1	
[299]		Dutch Harbor	Ft. Schwatka ¹	NB	—	
301	Forrest J. French	Kanoeha Bay	Ft. Hase	C	03A2/M1	3
302 ⁷	Avery J. Cooper	Kanoeha Bay	Lae-o-ka-oio	C/NA?	03A2/M1	3
303 ⁷		Pearl Harbor	Puo-O-Hulu	NC	— / —	
304		Honolulu	Punchbowl	NC	— / —	
[305]		Pearl Harbor	Koko Saddle ¹	NB	—	
[311]		Roosevelt Roads	Cabo San Juan, P.R. ¹	NB	—	
[312]		Roosevelt Roads	Culebra Is., North Pt. ¹	NB	—	
[313]		Roosevelt Roads	Culebra Is., Dolphin Head ¹	NB	—	
314		Roosevelt Roads	Water Is., St. Thomas	NA	—/M4	
[315]		Roosevelt Roads	Hill 411, St. Thomas ¹	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 ¹⁴	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.