



## 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.

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

## Sample Entry:

## Harbor Defenses of . . .

FORT NAME	Location	service years (if known*)	current ownership	MC**, MF**	rating
Battery name	/ # of guns / caliber & model # / carriage type & model # / service years**/				notes
	* 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 (gun tube missing or not installed, carriage at site or installed)
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
B	barbette carriage
Rod	breechloading gun on altered 15-inch Rodman carriage
BL	long range barbette carriage, Army gun
BN	long range barbette carriage, Navy gun
BP	balanced pillar mount
CB	long range barbette carriage in casemate, Navy gun (16" 1940 Program)
CM	casemated mount
D	disappearing carriage
F	fixed pedestal mount (anti-motor torpedo battery (AMTB) mount)
GL	gun-lift carriage
H	long range howitzer carriage
M	mortar carriage
MP	masking pedestal mount
NT	turret mount—Navy
NC	casemated mount, Navy gun and carriage
NP	Navy gun on pedestal mount
P	pedestal mount
PM	155 mm GPF gun on tractor-drawn carriage with concrete “Panama” mount
Pne	pneumatic (dynamite) gun and carriage
RM	railway mount—mortar
RY	railway mount—gun
SB	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 two 90 mm M1 guns on fixed M3 mounts, two 90 mm M1 guns on mobile M1 mounts and two 37 mm (later 40 mm) automatic guns. Some of the AMTBs listed here were not completely armed with full complement of the mobile guns. Many other positions not listed here were armed only with mobile guns (some 90 mm, but mostly 37 mm sections). Earlier (1942) "AMTB" batteries (repositioned M1903 3" pedestal mounts) are listed.

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

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

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

#### *Fort Rating System*

*****	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" 1905	D 1903	1908-1917	
Hawley	2	6" 1900	P 1900	1908-1924	modified for 155 mm gun emplacements, WWII
Cogan	2	3" 1903	P 1903	1908-1924	
unnamed	4	155 mm	PM		two empl. on Hawley

**The Harbor Defenses of Portland**

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

Cape Elizabeth Military Reservation				state park	**
[#101]	2	16"	CB	<i>Not Built</i>	location not in park but nearby
#201	2	6"	SB M4	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" 1895	D 1896	1901-1943	partially buried
Chapin	2	3" 1902MI	P 1902	1904-1943	sod and sand cover removed
#205	2	6"	SB M4	1944 NA	
AMTB 952	2	90 mm M1	F M3	1943-1946	one block in floor of shelter
FORT CONSTITUTION		Newcastle Is.	1798	park & USCG MF, MC	*
Farnsworth	2	8" 1888MII	DC 1894	1898-1917	
Hackleman	2	3" 1903	P 1903	1904-1942	destroyed, guns to H.G. Wright
FORT STARK		Jerry's Point	1902	state park MC	**
Hunter	2	12" 1895MI	D 1897	1904-1945	
unnamed	2	8"	Rod	1898-1900	buried
Kirk	2	6" 1903	D 1903	1904-1917	modified for HECF-HDCP
Hays	2	3" 1902MI	P 1902	1905-1942	
Lytle	2	3" 1902MI	P 1902	1905-1942	
Lytle II	2	3" 1902MI	P 1902	1942-1945	guns from Lytle
FORT DEARBORN		Frost Point	1928-1947	state park	**
Seaman (#103)	2	16" MkIIMI	CB M5	194?-1948	
#204	2	6" T2	SB M3	1944-194?	Odiornes Pt.
AMTB 951	2	90 mm M1	F M3	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" MkIIMI	CB M4	1944-1948	
#206	2	6" 1903A2	SB M1	1943-1948	
unnamed	2	155 mm	PM		buried
FORT RUCKMAN		Nahant		municipal park	**
Gardner	2	12" 1895MI	B 1917	1924-1946	casemated- WWII, partially buried
FORT BANKS		Winthrop	1899	municipal park/private	*
Lincoln	8	12" 1890MI	M 1896MI	1896-1943	magazines covered, M1890 mortars?
Kellogg	8	12" 1890MI	M 1896MI	1896-1943	magazines covered, 1 pit buried
FORT HEATH		Grover's cliff		private & municipal park	X
Winthrop	3	12" 1888	D 1896	1901-1945	destroyed
AMTB 945	2	90 mm M1	F M3	1943-1946	buried
FORT DAWES		Deer Island		Massachusetts Water Resources Authority MF, MC	X
#105	2	16"	CB	1944 NC	(guns were on site) now destroyed
#207	2	6"	SB M4	1944 NA	destroyed
Taylor	2	3" 1902MI	P 1902	1942-1944	from Strong, destroyed
AMTB 944	2	90 mm M1	F M3	1943-1946	destroyed
FORT WARREN		Georges Island		Metropolitan District Commission park MF, MC	****
Stevenson	2	12" 1895	D 1897	1903-1945	
Bartlett	4	10" 1888MII	D 1894	1899-1942	1 emplacement destroyed
Adams	1	10" 1888	D 1894	1899-1914	
Plunkett	2	4" 1896 DS	P 1896 DS	1899-1925	guns later moved to saluting position
Lowell	3	3" 1898	MP1898MI	1900-1920	
FORT STANDISH		Lovell's Island		Metropolitan District Commission park	**
Morris	2	10" 1900	D 1901	1907-1942	
Burbeck	2	10" 1900	D 1901	1907-1942	
Terrill	3	6" 1897MI	D 1898	1902-1943	erosion encroachment
Whipple	2	6" 1900	P 1900	1904-1947	modified, WWII
Vincent	4	3" 1898	MP1898MI	1904-1920	#1 & #4 mod. to 3" AA- WWII, partially buried
Weir	2	3" 1902MI	P 1902	1906-1926	destroyed
Williams	3	3" 1903	P 1903	1904-1946	
AMTB 943	2	90 mm M1	F M3	1943-1946	

<b>FORT STRONG</b>	Long Island 1870	city hospital	MF, MC	**
Hitchcock	2 10" 1888MI D 1894	1899-1939		
&	1 10" 1888MI D 1896			
Ward	2 10" 1888MI D 1894	1899-1939		
Drum	2 4.7" Armstr Armstrong	1899-1917		
Smyth	2 3" 1902 P 1902	1906-1921	guns to Basinger	
Stevens	2 3" 1902 P 1902	1906-1946		
Taylor	2 3" 1902 P 1902	1906-1942	guns to Ft. Dawes, WWII	
Basinger	2 3" 1898 MP 1898MI	1901-1947	2-3" P 1902 guns from Smyth after 1921	
<b>FORT ANDREWS</b>	Peddocks Island	Metropolitan District Commission park		***
Cushing	8 12" 1890MI M 1896MI	1904-1942		
Whitman	8 12" 1890MI M 1896MI	1904-1942	4 Mor. rem. 1910, repl with M1908 mortars	
McCook	2 6" 1900 P 1900	1904-1947	rebuilt WWII	
Rice	2 5" 1900 P 1903	1904-1917	CRF on #1	
Bumpus	2 3" 1902 P 1902	1904-1946		
<b>FORT DUVAL</b>	Hog Island 1920-1944	private (Renamed Spinnaker Is)		*
Long	2 16" 1919 B 1919	1927-1948	casemated- WWII, built on	
<b>FORT REVERE</b>	Telegraph Hill, Hull	Metropolitan District Commission , private		*
Ripley	2 12" 1888MI B 1892	1901-1943	buried, built on	
Field	2 5" 1897MI BP 1896	1901-1917	part. dest. and buried	
Sanders	4 6" 1903 D 1903	1906-1917	2 guns rem.	
Pope	2 6" 1903 D 1903	1906-1943	later Pope inc. 3rd gun from Sanders	
AMTB 941	2 90 mm M1 F M3	1943-1946	dest./buried	
	Outer Brewster Island	Massachusetts Dept. Environmental Management		**
Jewell (#209)	2 6" M1 SB M3	1943-1948		
	Great Brewster Island	Massachusetts Dept. Environmental Management		**
AMTB 942	2 90 mm M1 F M3	1943-1946		
<b>Fourth Cliff Military Reservation</b>	Scituate	Air Force recreation area		***
[#106]	2 16" CB	Not Built	no final location (Flowers Hill)	
#208	2 6" T2 SB M4	1944-1948	Generators still in place	
<b>Sagamore Hill Military Reservation</b>				*
unnamed	2 155 mm PM			
<b>Buzzards Bay</b>				X
AMTBs	8 90 mm F M3		planned, not built?	
<b>The Harbor Defenses of New Bedford</b>				
<b>FORT RODMAN</b>	Clarke Point 1840-(1947)	waste water treatment plant/ city park	MF, MC	**
Milliken	2 12" 1895MI B 1917	1924-1946	casemated-WWII	
Walcott	1 8" 1888MII D 1896	1899-1942		
Barton	1 8" 1888MII D 1896	1899-1942		
Cross	2 5" 1900 P 1903	1902-1920		
Craig	2 3" 1898 MP 1898MI	1902-1920	#1 mod. to 3-in AA, WW II	
Gaston	2 3" 1898 MP 1898MI	1902-1920		
unnamed	2 155 mm PM			
<b>Mishaum Point Military Reservation</b>				*
#210	2 6" M1 SB M3	1945-1947	private, built on	
unnamed	2 155 mm PM		covered	
	Other locations			*
AMTB 931	2 90 mm M1 F M3	1943-1946	Barney's Joy Point	
AMTB 932	2 90 mm M1 F M3	1943-1946	Cuttyhunk Island	
AMTB 933	2 90 mm M1 F M3	1943-1946	Nashawena Island	
AMTB 934	2 90 mm M1 F M3	1943-1946	Butler's Point	
unnamed	2 155 mm PM		Butler's Point	
<b>The Harbor Defenses of Narragansett Bay</b>				
<b>FORT CHURCH</b>	Sakonnet Point (3 sections)	private club/private/private		*
Gray (#107)	2 16" MkIIMI CB M3	1942-1948	early design, West Res. partially buried, Sakonnet Golf Club	
Reilly	2 8" Mk3A2 CB M1	1942-1947	East Res., completely buried	
#212	2 6" 1903A2 SB M1	1943-1948	South Res., Warren Point, private, built on	
unnamed	2 155 mm PM			

FORT ADAMS	Newport 1824	state park, Navy housing	MF, MC	****
Greene	8 12" 1890MI M 1896MI	1898-1943	renamed Gilmore in 1940	
Edgerton	8 12" 1890MI M 1896MI	1898-1943	One M1890 mortar	
Reilly	2 10" 1888MII D 1896	1899-1917		
unnamed	1 8" Rod	1898-		
Bankhead	3 6" Armstr Armstrong	1907-1913	guns from Greble, Screven, Moultrie, then to Hawaii	
Talbot	2 4.7" Armstr Armstrong	1899-1917	one 4.7 gun is in Equality Park, Newport	
Belton	2 3" 1903 P 1903	1907-1925		
FORT WETHERILL	Conanicut Is. 1900-1945	state park	MF, MC	**
Varnum	2 12" 1888 B 1892	1901-1943		
Wheaton	2 12" 1900 D 1901	1908-1945		
Walbach	3 10" 1888MII D 1896	1908-1942		
Zook	3 6" 1903 D 1903	1908-1918		
Dickenson	2 6" 1900 P 1900	1908-1947	modified WW II	
Crittenden	2 3" 1902 P 1902	1908-1946		
Cooke	2 3" 1898 MP 1898MI	1901-1920		
AMTB 923	2 90 mm M1 F M3	194? NC	modified old 3-in AA blocks	
FORT GETTY	Conanicut Island 1903	Jamestown city park		*
Tousard	3 12" 1900 D 1901	1910-1942	partially buried	
House	2 6" 1900 P 1900	1910-1942	guns & carr. & name to Ft. Varnum, now mostly buried	
Whiting	2 3" 1903 P 1903	1910-1942	guns & carr. & name to Ft. Burnside	
Armistead (3)	2 3" 1903 P 1903	1943	Whiting empl., guns & carr from Varnum	
AMTB 922	2 90 mm M1 F M3	1943-1946	#1 block buried	
FORT BURNSIDE	Beavertail 1940-1948	state park		***
#110	2 16" CB	<i>Not Built</i>		
#213	2 6" 1905A2 SB M1	1943-1948		
Whiting (2)	2 3" 1903 P 1903	1942-1946		
FORT GREBLE	Dutch Island 1863	state land/park	MF, MC	***
Sedgwick	8 12" 1890MI M 1896MI	1901-1942		
Hale	3 10" 1898MII D 1896	1898-1942		
Mitchell	3 6" 1903 P 1903	1905-1917		
Ogden	1 6" Armstr Armstrong	1898 NC	dest. replaced by new 6" battery, gun to Ft. Adams	
	2 3" 1898 MP 1898MI	1900-1920		
FORT KEARNY	Saunderstown 1904	state university campus		**
French	4 6" 1905 D 1903	1908-1917	research facility built on middle of battery	
Cram	2 6" 1905 D 1903	1908-1943	buildings in emplacements	
Armistead	2 3" 1903 P 1903	1908-1942	guns & carr & name to Ft. Varnum, now built on	
FORT VARNUM	Boston Neck 1941	National Guard		****
House	2 6" 1900 P 1900	1942-1947	guns from Ft. Getty	
Armistead (2)	2 3" 1903 P 1903	1942-1943	guns from Ft. Kearny, then sent to Getty	
AMTB 921	2 90 mm M1 F M3	1943-1946		
FORT GREENE	Point Judith (3 sections) 1941			**
Hamilton (#108)	2 16" MkIIMI CB M4	1943-1948	early design, East Res., National Guard/Reserve	
#109	2 16" CB M4/M5	1944 NC	West Res., guns were on site, state park	
#211	2 6" 1903A2 SB M1	1945-1948	South Res., city park, entrances buried, erosion threat	
unnamed	4 155 mm PM		mostly buried	
	Other locations			X
unnamed?	2 4.7" Armstr Armstrong	1917-1919	Sachuest Point?	
AMTB 924	90 mm F	<i>Not Built?</i>		
AMTB 925	2 90 mm M1 F M3	1943?	Brenton Point, moved to Ft. Wetherill?	
unnamed	4 155 mm PM		Brenton Point, 3 mounts destroyed	

### The Harbor Defenses of Long Island Sound

FORT MANSFIELD	Napatree Point, R.I. 1900	state park		**
[#114]	2 16" CB	<i>Not Built</i>	near Watch Hill, original site at Ft. Terry	
Wooster	2 8" 1888 D 1896	1901-1917		
Crawford	2 5" 1897 BP 1896	1901-1917		
Connell	2 5" 1900 P 1903	1901-1917	mostly destroyed, in surf	
	other Connecticut sites			X
AMTB 915	2 90 mm M1 F M3	1943-1946	Pine Island, state land	
AMTB 914	2 90 mm M1 F M3	1943-1946	Goshen Point, covered, Harkness State Park	
unnamed	4 155 mm PM		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" 1890MI	M 1896MI	1902-1943	partially buried
Butterfield	2	12" 1895	D 1897	1901-1945	partially buried
Barlow	2	10" 1895	D 1896	1901-1939	partially buried
Dutton	3	6" 1897MI	D 1898	1901-1945	partially buried
Hamilton	2	6" 1903	D 1903	1905-1917	
Marcy	2	6" 1903	D 1903	1906-1917	
#215	2	6" 1903A2	SB M1	1943-1946	Race Point
Hoffman	2	3" 1902	P 1902	1906-1946	
Hoppock	2	3" 1903	P 1903	1905-1946	guns replaced once
AMTB 913	2	90 mm M1	F M3	1943-1946	buried
	Fisher's Island (other sites)		private		**
#111	2	16"	CB M4/M5	194? NC	guns were on site, Wilderness Pt. (Mt. Prospect)
#214	2	6"	SB M4	194? NC	Wilderness Point, built on
unnamed	4	5"	P + BP	1917-1919	NB?, North Hill
New Hackleman	2	3" 1903	P 1903	1944-1946	North Hill
AMTB 916	2	90 mm M1	F M3	<i>Not Built?</i>	East Point
FORT MICHIE	Great Gull Island	1896-1948	bird sanctuary	MC	***
J.M.K. Davis	1	16" 1919	D 1917	1923-1945	ARF
Palmer	2	12" 1895	D 1897	1900-1945	
North	2	10" 1888MII	D 1896	1900-1918	destroyed for Davis
Benjamin	2	6" 1900	P 1900	1908-1947	
Maitland	2	6" 1900	P 1900	1908-1947	
Pasco	2	3" 1903	P 1903	1905-1934	
AMTB 912	2	90mm M1	F M3	1943-1946	
FORT TERRY	Plum Island		USDA Animal Disease Lab	MF, MC	****
Stoneman	8	12" 1890MI	M 1890MI	1901-1943	
Steele	2	10" 1888MII	D 1896	1900-1942	
Bradford	2	6" 1897MI	D 1898	1901-1944	
Floyd	2	6" 1903	D 1903	1906-1917	
Dimick	2	6" 1903	D 1903	1905-1917	
#217	2	6"	SB M4	194? NC	
Kelly	1	5" 1900	P 1903	1900-1917	partially buried
&	1	4.7" Armstr	Armstrong		later replaced by 5" P 1903
Hagner	2	3" 1903	P 1903	1906-1932	mostly destroyed
Eldridge	2	3" 1903	P 1903	1906-1946	
Dalliba	2	3" 1903	P 1903	1905-1946	broken up in surf
Greble	2	3" 1902	P 1902	1905-1932	
Campbell	2	3" 1903	P 1903	1905-1934	partially destroyed
AMTB 911	2	90 mm M1	F M3	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" 1888	D 1894	1898 NA	
&	2	5"	P	1898 NA	
CAMP HERO	Montauk Point	1929	FAA radar sta., state park		*
Dunn (#113)	2	16" MkIIMI	CB M4	1944-1948	entrances covered
#112	2	16" MkIIMI	CB M4	1944-1948	entrances covered
#216	2	6" 1903A2	SB M1	1944-1947	entrances covered

**The Harbor Defenses of Eastern New York**

FORT SLOCUM	Davids Island	1863-(1928)	city property, leveled for redevelopment	X?
Haskin	8	12" 1886	M 1891	1897-1919
Overton	8	12" 1886	M 1891	1897-1919
"Practice"	2	8"	Rod	1896-1899
Kinney	2	6" 1900	P 1900	1904-1917
Fraser	2	5" 1900	P 1903	1901-1917

Pit A destroyed  
1 orig. 15" SB, partially buried  
destroyed, guns to Tilden  
destroyed



FORT SCHUYLER	Throg's Neck 1833-(1928)	New York State	Maritime Academy	MC	*
Gansevoort	1 12" 1888MI D 1896	1899-1935	1 empl. destr., 1 empl. buried		
&	1 12" 1895 D1897				
Hazzard	2 10" 1888MI D 1896	1898-1930	destroyed		
Bell	2 5" 1897 BP 1896	1900-1917	destroyed		
Beecher	2 3" 1898 MP 1898MI	1900-1920	destroyed		
FORT TOTTEN	Willet's Point 1862-(1928)	city park	MF, MC		*****
King	8 12" 1890MI M 1896MI	1900-1935	buried		
Mahan	2 12" 1895 D 1897	1900-1918			
Graham	2 10" 1888 D 1894MI	1897-1918			
Sumner	1 8" 1888MI D 1894	1899-1918			
&	1 8" 1888MII D 1896				
Stuart	2 5" 1897 BP 1896	1899-1917			
Baker	4 3" 1898 MP 1898MI	1900-194?	2 P M1903 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" 1919 B 1919	1924-1948	casemated WWII
unnamed	4 12" 1896MI M 1896MI	1917-1919	at NAS Rockaway
Kessler (West)	2 6" 1900 P 1900	1917-1947	from Kinney, Slocum, rebuilt 1941-42
Ferguson (East)	2 6" 1900 P 1900	1917-1942	from Burke, Hamilton, buried
#220	2 6" SB M1	1942 NA	part. buried
FORT HAMILTON	East Narrows, Brooklyn 1831	Army Post	X
Piper	8 12" 1890MI M 1896MI	1901-1942	(all Hamilton emplacements have been-
Brown	2 12" 1895 D 1897	1902-	destroyed or buried)
Doubleday	2 12" 1895 D 1897	1900-1943	
Neary	2 12" 1888MII B 1892	1900-1937	
Gillmore	4 10" 1888/95 D 1896	1899-1942	originally 7 empl., 3 later designated Spear
Spear	3 10" 1888 D 1894	1898-1917	
Burke	4 6" 1900 P 1900	1903-1917?	2 guns to Tilden 1917
Livingston	2 6" 1903 D 1903	1905-1907	guns to Btty Schofield at West Point, repl with 05 tubes 1919
&	2 6" 1900 P 1900	1905-1947	
Johnston	2 6" 1897/MI D 1898	1902-1943	one gun M1897, one gun M1897MI
Mendenhall	4 6" 1903 D 1903	1905-1917	
Griffin	2 4.7" Armstr Armstrong	1899-1913	
&	2 3" 1898 MP 1898MI	1902-1920	
&	2 3" 1903 P 1903	1903-1946	
FORT WADSWORTH	West Narrows, Staten Is. 1821	Gateway NRA, Federal Empl. Housing MF, MC	*****
[#115]	2 16" CB	Not Built	
Ayres	2 12" 1895 D 1897	1901-1942	partially buried
Dix	2 12" 1900 D 1901	1902-1944	
Hudson	2 12" 1888MII D 1896	1899-1944	partially buried
Richmond	2 12" 1888 D 1896	1899-1942	partially buried
Barry	2 10" 1888 D 1896	1899-1918	
Upton	2 10" 1888 D 1896	1899-1925	partially buried
unnamed	2 8" Rod	1898	
Duane	5 8" 1888/MII D 1894	1897-1915	magazines removed, 1 empl. destroyed
Barbour	2 6" Armstr Armstrong	1898-1920	1 empl. buried
&	2 4.7" Armstr Armstrong	1898-1920	1 empl. buried, 1 partially buried
Mills	2 6" 1897MI D 1898	1900-1943	both emplacements partially buried
#218	2 6" SB M1	1943 NC	-1958?
Catlin	6 3" 1903 P 1903	1904-1942	
Bacon	2 3" 1898 MP 1898MI	1899-1918	
Turnbull	6 3" 1902 P 1902	1903-1944	later 2 guns removed, partially buried
New Turnbull (#14)	4 3" 1902 P 1902	1942-1946	covered

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" 1888	GLC 1891	1890-1907				
McCook	8 12" 1886	M 1891	1898-1923	advanced HECF-HEDP post 1943			
Reynolds	8 12" 1886	M 1891	1898-1918				
Alexander	2 12" 1888/MII D	1896	1899-1943				
Bloomfield	2 12" 1888MI	D 1896	1899-1944	1 gun M1888MI-1/2			
Richardson	2 12" 1900	D 1901	1904-1944				
Kingman	2 12" 1895MI	B 1917	1922-1946	casemated 1943			
Mills	2 12" 1895MI	B 1917	1922-1946	casemated 1943			
Halleck	3 10" 1888/MII D	1896	1898-1944	one gun removed 1910s			
Granger	2 10" 1888	D 1896	1898-1940s				
Arrowsmith	3 8" 1888MI	D 1894	1909-1921	partially destroyed			
Peck	2 6" 1900	P 1900	1903-1946	guns and carr. relocated '43 to Gunnison site			
Gunnison	2 6" 1903	D 1903	1905-1943	extensively rebuilt for Peck's guns			
Peck "II" /New Peck	2 6" 1903	D 1903	1943-1946	(ex-Gunnison), guns repl 1976 <u>Still Emplaced</u> being restored			
Engle	1 5" 1897	BP 1896	1898-1917	CRF built on empl.			
unnamed	1 4.7"	P	1898	temporary (Schneider)			
Urmston	4 3" 1898	MP 1898MI	1903-1920				
&	2 3" 1903	P 1903	1904-1946	built between original two emplacement sets			
Morris	4 3" 1903	P 1903	1904-1946				
New Urmston (#6)	2 3" 1903	P 1903	1942-1946	partially covered			
AMTB #7	2 90 mm M1	F M3	1943-1946				
AMTB #8	2 90 mm M1	F M3	1943-1946	on ex-Peck			
Highlands Military Reservation, New Jersey (Navesink)				Hartshorne Woods Monmouth County Park		**	
Lewis (#116 )	2 16" MkIIM1	CB M4	1944-1948	renovated 2018, 16" navy MkVII barrel in emplacement			
unnamed	4 12" 1890MI	M 1896MI	1917-1920	only one empl. remains uncovered			
#219	2 6" 1903A2	SB M1	1944-1949				
				other sites		* ?	

[#117]	2 16"	CB	<i>Not Built</i>	Nigger Pt. (now JFK Airport)			
#20	2 3" 1902	P 1902	1942-1946	Rockaway Point			
New Catlin (#18)	4 3" 1903	P 1903	1942-1946	Norton Point, buried			
AMTB	2 90 mm M1	F M3	1943-1946	Rockaway Point			
AMTB #19	2 90 mm M1	F M3	1943-1946	Norton Point, buried			
AMTB	2 90 mm M1	F M3	1943-1946	Miller Field			
AMTB #12	2 90 mm M1	F M3	1943-1946	Swinburne Island			

**The Harbor Defenses of the Delaware**

the Harbor Defenses of the Delaware						****	
FORT MOTT		Finns Point, N.J. 1900		state park			
Arnold	3	12" 1888MII D	1896	1899-1943	guns and carr to Canada, barrels remain in Canada		
Harker	3	10" 1888	D 1894	1899-1941			
Gregg	2	5" 1900	P 1903	1901-1910			
Krayenbuhl	2	5" 1897	BP 1896	1900-1918			
Edwards	2	3" 1900 DS	CM 1902	1902-1920			
FORT DELAWARE		Pea Patch Island 1847		state park		MC ***	
Torbert	3	12" 1895	D 1896	1901-194?	guns to Battery Reed, Puerto Rico		
Dodd	2	4.7" Armstr	Armstrong	1899-1918			
Hentig	2	3" 1903	P 1903	1901-1942			
Alburtis	2	3" 1898	MP 1898MI	1901-1920			
Allen	2	3" 1898	MP 1898MI	1901-1920			
FORT DuPONT		Delaware City, Del. 1896		assorted public agencies, state park		MF, MC *****	
Rodney	8	12" 1890MI	M 1896MI	1900-1941			
Best	8	12" 1890MI	M 1896MI	1900-1941			
Read	2	12" 1888	B 1892	1899-1918	emplacements split, Btty Gibson located between one structure with Read		
Gibson	2	8" 1888	D 1896	1899-1917			
Ritchie	2	5" 1900	P 1903	1900-1917		destroyed	
Elder	2	3" 1903	P 1903	1904-1942		relocated 1922 to Delaware Beach	
Elder II	2	3" 1903	P 1903	1942-1942		Liston front range light	
FORT SAULSBURY		Slaughter Beach, Del. 1902		private, Wildlife Refuge		**	
Hall	2	12" 1895MI	B 1917	1918-1945			
Haslet	2	12" 1895MI	B 1917	1918-1942	guns to Ft. Miles		

Cape May M. R	Cape May, NJ		state park		*
#223	2 6" M1	SB M3	1944-1947	now in surf	
AMTB #7	2 90 mm M1	F M3	1943-1946	now in surf	
unnamed	4 155 mm	PM		in surf	
	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" MkII MI	CB M4	1943-1948	early design	
[#119]	2 16"	CB	<i>Not Built</i>		
#519	2 12" 1895 MI	CB 1917	1944-1948	guns from Haslet (replaced #119), Museum restoration 12 in navy barrel in casemate 2010	
unnamed	4 8"	RY		covered/buried	
unnamed	4 8"	RY		covered/buried	
temporary	1 6" 1900	P 1900	1917-1918	Cape Henlopen M.R. from Ft. St. Phillip	
Herring (#221)	2 6" 1903A2	SB M1	1944-1948	earthen cover removed	
Hunter (#222)	2 6" 1903A2	SB M1	1943-1947		
Exam	4 3" 1903	P 1903	1942-1946	mostly buried	
AMTB #5A	2 90 mm M1	F M3	1943-1946	mostly buried	
AMTB #5B	2 90 mm M1	F M3	1943-1946	1 block covered by parking lot	
unnamed	4 155 mm	PM			
				one 16" navy MkVII barrel on display 2012	

## The Harbor Defenses of Baltimore

FORT HOWARD	North Point	1900-(1928)	VA hospital, county park	MF, MC	****
Key	8 12" 1890 MI	M 1896 MI	1900-1927		
Stricker	2 12" 1888	D 1896	1899-1918		
Nicholson	2 6" 1897	D 1898	1900-1927		
Harris	2 5" 1897	BP 1896	1900-1917		
Clagett	2 3" 1898	MP 1898 MI	1901-1920		
Lazear	2 3" 1898	MP 1898 MI	1900-1920	destroyed	
FORT CARROLL	Soller's Point Flats	1848-(1928)	private		**
Towson	2 12" 1888	B 1892	1900-1918		
Heart	2 5" 1897	BP 1896	1900-1917		
Augustin	2 3" 1898	MP 1898 MI	1900-1920		
FORT ARMISTEAD	Hawkins Point	1896-(1928)	city park	MC	**
Winchester	1 12" 1888	D 1896	1900-1918		
McFarland	3 8" 1888	D 1894	1900-1917		
Irons	2 4.7" Armstr	Armstrong	1900-1913		
Mudge	2 3" 1898	MP 1898 MI	1901-1920	partially destroyed	
FORT SMALLWOOD	Rock Point	1890-(1928)	city park		*
Hartshorne	2 6" 1897	D 1898	1900-1927		
Sykes	2 3" 1902	P 1902	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" 1890 MI	M 1896 MI	1902-1914		
Decatur	2 10" 1888	D 1894	1899-1918		
Emory	2 10" 1888	D 1894	1898-1929		
Humphreys	2 10" 1888 MII	D 1896	1899-1929		
Water	1 10" 1888	B 1893	1898-1898		
Wilkin	2 6" 1897	D 1898	1902-1928		
White	2 4" Dri-Schr	P Crampton	1899-1921		
Smith	2 3" 1898	MP 1898 MI	1903-1920		
Many	2 3" 1902	P 1902	1905-1928		
FORT HUNT	west bank, VA	1899-(1928)	1933 Capital National Park Area		**
Mount Vernon	3 8" 1888 MI	D 1894	1898-1917		
Porter	1 5" 1897	BP 1896	1901-1917		
Robinson	1 5" 1897	BP 1896	1901-1917		
Sater	3 3" 1898	MP 1898 MI	1904-1920		

## The Harbor Defenses of Chesapeake Bay

FORT MONROE	Old Point Comfort 1819 (C.A. School 1907-1948) NPS State Park-Property MF, MC					****
[#124]	2	16"	CB	Not Built		
Anderson	8	12" 1890MI	M 1896MI	1898-1943	two mortar tubes were M1890	
Ruggles	8	12" 1890MI	M 1896MI	1898-1943		
DeRussy	3	12" 1895	D 1897	1904-1944		
Parrott	2	12" 1900	D 1901	1906-1943	emplacements used for AMTB #23	
Humphreys	1	10" 1888	D 1894	1897-1910	destroyed	
Eustis	2	10" 1888	D 1896	1901-1942	destroyed	
Church	2	10" 1888	D 1896	1901-1942		
Bomford	2	10" 1888	D 1894	1897-1940	destroyed	
N.E. bastion	1	10" 1888	D 1894	1900-1908		
Barber	1	8" 1888	B 1892	1898-1915	destroyed	
Parapet	4	8" 1888	B 1892	1898-1915	mostly buried	
Water	1	8" 1888	B 1892	1897-1898		
Montgomery	2	6" 1900	P 1900	1904-1947	guns removed '20s, guns repl. '41, destroyed	
Gatewood	4	4.7" Armstr	Armstrong	1898-1914	50 cal. mostly buried	
Irwin	4	3" 1898	MP 1898MI	1903-curr.	all Gs rem. '20s, 2-3" P 1902 repl. '46 <-Lee/Wool, <u>SE</u>	
AMTB #23	2	90 mm M1	F M3	1943-1946	1 gun (from Fisherman's Is) <u>Still emplaced</u>	
FORT WOOL	Rip Raps, Hampton Roads 1830 Bird Sanctuary: No Public Access					**
Claiborne	2	6" 1903	D 1903	1908-1918		
Dyer	2	6" 1903	D 1903	1908-1917		
Gates	2	6" 1903	D 1903	1908-1942	converted to #229	
Gates (#229)	2	6"	SB M4	1944 NA		
Lee	4	3" 1902	P 1902	1905-1946	2 guns to Ft. J. Custis, 2 guns to Irwin, Ft. Monroe	
Hindman	2	3" 1902	P 1902	1905-1946		
FORT JOHN CUSTIS	Cape Charles 1940			Fish and Wildlife Reserve		**
Winslow (#122)	2	16" MkIIMI	CB M4	1943-1948	one 16" navy MkVII barrel in casemate 2013	
[#123]	2	16"	CB	Not Built		
Unnamed	2	8"	RY	1942-1943		
#228	2	6"	SB M4	1943 NC	buried	
	Fisherman Island			Fish and Wildlife Reserve		**
#227	2	6" 1905A2	SB M1	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" 1902	P 1902	1942-1944	guns from Lee, Ft. Wool, partially buried	
AMTB #24	2	90 mm M1	F M3	1943-1946		
unnamed	4?	155 mm	PM			
FORT STORY	Cape Henry 1917			Army post	MC (MF at Little Creek) ****	
Pennington	2	16" 1920	H 1920	1922-1947	original name for all 4 guns	
Walke	2	16" 1920	H 1920	1922-1947	named as separate battery in 1941, empl. covered	
Ketcham (#120)	2	16" MkIIMI	CB M4	1943-1948	early design	
#121	2	16" MkIIMI	CB M4	1943-1948		
Worcester (#224)	2	6" 1900	P 1900	1942-1947	prototype for the WW II 6-in construction	
Cramer (#225)	2	6" 1903A2	SB T2(M2)	1943-1949		
#226	2	6" M1	SB M4	1943-1949		
unnamed	2	6" 1900	P 1900	1917-1919	broken up, in surf	
unnamed	2	5" 1900	P 1903	1917-1919	broken up, in surf	
Exam (AMTB #19)	2	3" 1902	P 1902	1942-1945	guns from Irwin, Ft. Monroe, buried	
AMTB #21	2	90 mm M1	F M3	1942-	buried	
AMTB #22	2	90 mm M1	F M3	1942-	awash	
unnamed	4?	155 mm	PM	awash		
unnamed	4?	155 mm	PM			

## Temporary Harbor Defenses of Beaufort, NC

X

unnamed	2 6" Navy	Navy P	1942-1945	near Fort Macon, buried		
Lookout	2 5" Navy	Navy P	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" 1886	M 1891	1903-1925	1 gun replaced 1912	
Caswell	2 12" 1888	B 1892	1899-1925	modified for swimming pool	
Swift	3 8" 1888	D 1894	1898-1920	2 guns removed 1917	
&	1 8" 1888	D 1896			
New Madison	2 6" 1903	D 1903	1905-1917		
McDonough	1 5" 1897	BP 1896	1902-1905	gun to Shipp	
Shipp	2 5" 1897	BP 1896	1901-1919	originally 1 emplacement	
Madison	1 4.7" Armstr	Armstrong	1899-1904	guns to Screven	
McKavett	2 3" 1898	MP 1898MI	1903-1920		
New McDonough	2 3" 1902	P 1902	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" 1895MI	CB 1917	1944-1947	guns from Kimble, Travis, modified for homes	
unnamed	4 155 mm	PM			
FORT MOULTRIE	Sullivan's Island 1776-(1947)	Fort Sumter N.H.M. & private	MF, MC		*****
[#125]	2 16"	CB	Not Built	James Island	
Capron	8 12" 1886	M 1891	1898-1942		
Butler	8 12" 1886	M 1891	1898-1942		
Jasper	4 10" 1888MI	D 1896	1898-1942	One gun M1888MII	
Thomson	2 10" 1900	D 1901	1906-1945	used by Fire Department	
Gadsen	4 6" 1903	D 1903	1906-1917	magazine area used as library	
Logan	1 6" Armstr	Armstrong	1898-1904	removed 1904	
&	1 6" 1897MI	D 1898	1906-1944		
#230	2 6"	SB M4	1943 NC		
Bingham	2 4.7" Armstr	Armstrong	1899-1918	1 gun replaced 1980 <u>Still Emplaced</u>	
McCorkle	2 3" 1898	MP 1898MI	1899-1943	1 gun replaced 1980 <u>Still Emplaced</u>	
Lord	2 3" 1902	P 1902	1899-1946	destroyed	
AMTB #2	2 90 mm M1	F M3	1943-1946	on Jasper's parapet	
FORT SUMTER	artificial island 1842-(1947)	Fort Sumpter	National Historic Monument		**
Huger	1 12" 1888MII	D 1896	1906-1943	built over	
&	1 12" 1888MII	B 1892	1906-1943		
AMTB #1	2 90 mm M1	F M3	1943-1946	covered	

**The Harbor Defenses of Port Royal Sound**

FORT FREMONT	St. Helena (now Oak?) Island	(-1928)	county nature preserve		**
Jesup	3 10" 1888MII	D 1896	1899-1914	1 gun M1895	
Fornance	2 4.7" Armstr	Armstrong	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" 1890MI	M 1896MI	1900-1928		
Garland	1 12" 1888	B 1892	1899-1920	now a museum	
Fenwick	1 12" 1888	B 1892	1898-1920	home built on	
Brumby	4 8" 1888	D 1894	1899-1917	home built on (#3 intact)	
Backus	1 6" Armsrtr	Armstrong	1899-1920	later rearmed with 4.7-in	
&	2 4.7" Armstr	Armstrong	1899-1920	home built on	
Gantt	2 3" 1898	MP 1898MI	1904-1920	home built on 2003	
unnamed	4 155mm	FM	1942-1944	Temp. HD of Savannah	
Fort Pulaski			National Historic Monument		**
unnamed	1 8" 1888	B 1892	1898-1899	located on demilune, + 2-15 in Rodmans	
Hambright	2 3"	MP	1903 NA		
	Other location				X
unnamed	2 4.7" Armstr	Armstrong	1898-1899	Wassaw Island, guns to Screven, parially dest. named Battery Henry Sims Morgan by GA in 2006	

<u>The Harbor Defenses of Jacksonville</u>					**
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	
<u>The Harbor Defenses of Key West</u>					
<u>FORT TAYLOR</u>	<u>Key West</u>	<u>1846-(1947)</u>	<u>state park, Naval Reservation</u>		*
Seminole	8	12" 1890MI	M 1896MI	1904-1943	
Osceola	2	12" 1888	B 1892	1900-1944	
DeLeon	4	10" 1888	D 1896	1904-1940	destroyed 1962
Covington	2	8" 1888	D 1894	1904-1917	destroyed 1962
DeKalb	2	6" 1900	P 1900	1906-1917	destroyed 1950s
#231	2	6"	SB M4	194? NC	status?
Gardiner	2	4.7" Armstr	Armstrong	1898-1913	destroyed 1962
Ford	2	3" 1903	P 1903	1906-1946	destroyed 1964
Dilworth	2	3" 1898	MP 1898MI	1901-1920	destroyed 1970s
Adair	4	3" 1898	MP 1898MI	1901-1920	
AMTB #5	2	90mm M1	F M3	1943-1946	1 empl. on Adair
unnamed	4	155 mm	PM	1940-1942	2 guns to Miami Beach, destroyed
<u>Other locations</u>					*
#232	2	6" M1	SB M3	1944-1946	east of Martello Tower, Salt Ponds M.R. (airport)
Inman	2	3" 1903	P 1903	1906-1946	inside West Martello Tower
AMTB #6	2	90 mm M1	F M3	1943-1946	near West Martello Tower
unnamed	4	155mm	PM	1942-1942	West Martello Tower
unnamed	4	155mm	PM	1943-1944	near East Martello Tower
<u>The Harbor Defenses of Tampa Bay</u>					
<u>FORT DADE</u>	<u>Egmont Key</u>	<u>1899-(1928)</u>	<u>state park (1989)</u>	<u>MF, MC</u>	*
unnamed	2	8"	Rod	1899-1900	guns to McIntosh, Mellon built over
McIntosh	2	8" 1888	D 1896	1900-1923	damaged by surf
Howard	2	6" 1903	D 1903	190?-1926	damaged by surf erosion
Burchsted	2	6" Armstr	Armstrong	1899-1919	guns & carr. to Ft. DeSoto 1980, broken up in the gulf
&	1	3" 1898	MP 1898MI	1904-1920	broken up in the gulf
Mellon	3	3" 1898	MP 1898MI	1904-1920	
Page	2	3" 1903	P 1903	1910-1919	broken up in the gulf
<u>FORT DE SOTO</u>	<u>Mullet Key</u>	<u>1901-(1928)</u>	<u>County Park (1963)</u>		**
Laidley	8	12" 1890MI	M 1896MI	1902-1921	4 M to Rosecrans 1918, 4 mortars <u>Still Emplaced</u>
Bigelow	2	3" 1898	MP 1898MI	1904-1920	broken up in the gulf
"modern display"					2 - 6" Armstrong guns 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

The Harbor Defenses of Pensacola

<u>FORT PICKENS</u>	<u>Santa Rosa Island</u>	<u>1845-(1947)</u>	<u>Gulf Islands National Seashore</u>	<u>MF, MC</u>	***
Langdon	2	12" 1895MI	B 1917	1923-1947	casemated-WWII
Worth	8	12" 1890MI	M 1896MI	1899-1942	4 guns removed 1918, HECF-HDCP 1943
Pensacola	2	12" 1895	D 1897	1899-1935	
Cullum	2	10" 1888	D 1894	1898-1918	modified for 2 - 3" from Trueman 1942
Sevier	2	10" 1888	D 1894	1898-1934	
Cooper	2	6" 1903	D 1903	1906-1917	1 gun repl. 1976, (from West Point) <u>Still Emplaced</u>
#234	2	6"	SB M4	1943 NC	2 guns repl. 1976 (from Ft. J. Custis) <u>Still Emplaced</u>
Van Swearingen	2	4.7" Armstr	Armstrong	1898-1921	one gun & carr at Danielsville, GA
Trueman	2	3" 1902	P 1902	1905-1942	guns to Cullum
Payne	2	3" 1902	P 1902	1904-1946	
AMTB	2	90 mm M1	F M3	1943-1946	
unnamed	4	155 mm	PM	1937-1945	

FORT McREE	Perdido Key	1843-(1947)	Gulf Islands National Seashore	**
Slemmer	2 8" 1888	D 1896	1900-1918	partially buried
#233	2 6"	SB M4	1943 NC	
Center	4 3" 1898	MP 1898MI	1901-1920	partially buried
<b>The Harbor Defenses of Mobile</b>				
FORT MORGAN	Mobile Point	1833-(1928)	state park	MF, MC ****
Dearborn	8 12" 1890MI	M 1896MI	1901-1928	
Duportail	2 12" 1888	D 1896	1900-1928	
Test	1 10" 1888	D 1896	1916-1918	mostly buried
Bowyer	2 8" 1888	D 1894	1898-1918	1 gun in M1918 BC at University of Tampa, FL
&	2 8" 1888	D 1896		
Thomas	2 4.7" Armstr	Armstrong	1899-1918	
Schenck	2 3" 1898	MP 1898MI	1900-1923	
&	1 3" 1902	P 1902	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	2 6" 1897	D 1898	1901-1928	
&	1 6" 1903	D 1903		
Terrett	3 3" 1898	MP 1898	1901-1923	
*				
unnamed	2 155 mm	PM		Pacagoula, MS
<b>The Harbor Defenses of the Mississippi</b>				
FORT ST. PHILIP	north bank	1843-(1928) 1943	private	MF, MC ***
Pike	2 10" 1888	D 1896	1898-1919	
unnamed	2 8"	Rod	1898-1899	gun tubes to Ransom, Jackson, 1 built over
Forse	2 8" 1888	D 1896	1899-1918	
Merrill	4 6" 1900	P 1900	1907-1920	later only 2 guns, 2 guns to Delaware R.
Ridgely	2 4.7" Armstr	Armstrong	1899-1913	
Scott	2 3" 1898	MP 1898MI	1901-1920	
Brooke	2 3" 1898	MP 1898MI	1904-1920	
FORT JACKSON	south bank	1832-(1928)	parish park	**
Ransom	2 8" 1888	D 1896	1899-1918	
Millar	2 3" 1898	MP 1898MI	1901-1920	
* ?				
unnamed	2 155 mm	PM	1942-	Calcasieu Pass, LA
unnamed	2 155 mm	PM	1942-1945	Port Eads, LA, Temp. HD of New Orleans
unnamed	2 155 mm	PM	1942-1945	Burrwood, LA, Temp. HD of New Orleans
unnamed	1 8"	Rod	1898-1899	Sabine Pass, TX, buried or destroyed?,
unnamed	2 155 mm	PM	1942-	Sabine Pass, TX
<b>The Harbor Defenses of Galveston</b>				
FORT TRAVIS	Bolivar Point	(-1947)	county park	**
Kimble	2 12" 1895MI	B 1917	1922-1943	guns to Moultrie
Davis	2 8" 1888	D 1896	1900-1918	deteriorating
#236	2 6"	SB M1	194? NC	
Ernst	3 3" 1898	MP 1898MI	1900-1946	converted to 3-in P
FORT SAN JACINTO	Fort Point	(-1947)	Corps of Eng. prop	MF, MC *
Mercer	8 12" 1890MI	M 1896MI	1898-1943	partially buried in mud
Heileman	1 10" 1888	D 1896 ARF	1899-1943	mostly destroyed & buried
&	1 10" 1888	D 1896		
#235	2 6" 1905A2	SB M1	1944-1946	partially buried
Hogan	2 4.7" Armstr	Armstrong	1898-1917	partially destroyed & buried
Croghan	2 3" 1898	MP 1898MI	1911-1946	converted to 3-in P
AMTB #4	2 90 mm M1	F M3	1943-1946	buried
FORT CROCKETT	Galveston	(-1947)	private, federal prop	***
Hoskins	2 12" 1895MI	B 1917	1924-1946	casemated WWII, now built on
Izard	8 12" 1890MI	M 1896MI	1902-1943	destroyed
Hampton	2 10" 1895	D 1896	1899-1943	destroyed
Laval	2 3" 1898	MP 1898	1902-1946?	converted to 3-in P, partially covered

					*
unnamed	2	6" Navy	Navy P	Freeport, TX, WWII temp?	
unnamed	2	155 mm	PM	1942-	Freeport, TX
unnamed	2	155 mm	PM	1942-	Port Aransas, TX
<b>The Harbor Defenses of San Diego</b>					
FORT EMORY	Coronado Heights		Former Navy radio facility, current training site		**
#134	2	16"	CB	1944 NC	unofficially named Gatchell, destroyed 2016
Grant (#239)	2	6" 1905A2	SB M1	1943-1946	
Imperial	4	155 mm	PM		
AMTB Cortez	2	90 mm M1	F M3	1943-1946	Coronado Beach MR, Silver Strand, destroyed
FORT PIO PICO	North Island 1906-1919 (to Navy 1935) Naval Air Station				X
Meed	2	3" 1903	P 1903	1902-1919	guns to Rosecrans, destroyed
AMTB Pio Pico	2	90 mm M1	F M3	1942-1943	guns later moved to AMTB Fetterman
FORT ROSECRANS	Point Loma 1899-1958		Navy Base, Natl. Cem., Cabrillo N.M.		MF, MC ****
Ashburn (#126)	2	16" MkII MI	CB M4	1943-1948	modified
Whistler	4	12" 1890 MI	M 1896 MI	1916-1942	guns from DeSoto, extensively modified
White	4	12" 1890 MI	M 1896 MI	1916-1942	
Wilkeson	2	10" 1888	D 1896	1900-1943	
Calef	2	10" 1888	D 1896	1900-1943	1 gun M1895
Strong	2	8" MkVI 3A2 B	M1	1941-1946	
#237	2	6" 1903A2	SB M1	1943-1946	unofficially "Woodward," Generators still in place
Humphreys (#238)	2	6" 1903A2	SB M1	1943-1946	
Zeilin	2	7" Navy	Navy P	1937-1943	buried
Gillespie	3	5" Navy	Navy P	1937-1943	No. 1 empl. dest., 2 & 3 remain overgrown
McGrath	2	5" 1897	BP 1896	1900-1943	repl. by 2-3" guns from Pio Pico, 1919
Fetterman	2	3" 1898	MP 1898 MI	1900-1917	destroyed July 1940
AMTB Fetterman	2	90 mm M1	F M3	1943-1946	guns from Pio Pico, destroyed
AMTB Cabrillo	2	90 mm M1	F M3	1943-1946	destroyed
Point Loma	4	155 mm	PM		
<b>The Harbor Defenses of Los Angeles</b>					
Bolsa Chica Military Reservation	north of Huntington Beach		private, state reserve		X
#128	2	16"	CB	1944 NC	destroyed
Harrison (#242)	2	6" M1	SB M4	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" 1910	D 1907 MI	1917-1944	gun remodeled 1923, being restored
Farley	1	14" 1910	D 1907 MI	1917-1944	
Leary	1	14" 1910 MI	D 1907 MI	1917-1944	converted to HECB, 1944
Merriam	1	14" 1910 MI	D 1907 MI	1917-1944	converted to HECB, 1944
"Erwin"	2	14" 1920 MII	RY 1920	1926-1946	1 empl. L.R. (covered), 2 empl. L.R. (destroyed)
Barlow	4	12" 1912	M 1896 MIII	1917-1944	
Saxton	4	12" 1912	M 1896 MIII	1917-1944	
#241	2	6" M1	SB M4	1948 NA	armed post-war to 1956, Generators still in place
JAAN #1	2	3" 1903	P 1903	1942-1946	L. R. (Cabrillo Beach), guns from Lodor
AMTB Gaffey Bulge	2	90 mm M1	F M3	1943-1946	
AMTB Navy Field	2	90 mm M1	F M3	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" MkII MI	CB M4	1944-1948	
Long Point Military Reservation	Pt. Vicente (Rancho Palos Verdes)		city park		**
Barnes (#240)	2	6" 1903A2	SB M1	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" 1903	P 1903	1919-1927	Deadman's Island, destroyed
JAAN #2	2	3" 1903	P 1903	1942-1946	Bluff Park, Long Beach, guns from Lodor
AMTB Terminal Is.	2	90 mm M1	F M3	1943-1946	Terminal Island, covered
AMTB Bluff Park	2	90 mm M1	F M3	1943-1946	Bluff Park, Long Beach, buried?
unnamed	3	155 mm	PM	1942	Costa Mesa (only two guns assigned), 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"	CB	Not Built			
#244	2	6" M1	SB M4	1945 NA	armed post war, guns from Ft. Columbia		
FORT FUNSTON	Lake Merced	1917-1975		Golden Gate National Recreation Area			**
Davis	2	16" MkII MI	CB M2	1939-1948	prototype		
Howe	4	12" 1890 MI	M 1896 MI	1919-1945	guns from Ft. W. Scott, destroyed		
Bruff	2	5" 1900	P 1903	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" 1890 MI	M 1890 MI	1900-1943			
Springer	8	12" 1890 MI	M 1890 MI	1900-1943			
Chester	2	12" 1895	D 1897	1898-1943	2 guns replaced 1920s		
&	1	12" 1888	B 1892	1898-1943			
Lobos	2	6" Navy	Navy P	1943-1945	Navy guns		
#243	2	6" M1	SB M3	1944 NA	armed post war?		
Call	2	5" 1900	P 1903	1915-1921	guns from Ft. McDowell, destroyed		
AMTB Lands End	2	90 mm M1	F M3	1943-1948			
FORT WINFIELD SCOTT	Presidio (1852)	1885-1995		Golden Gate National Recreation Area	MF, MC		*****
Dynamite	3	15"	Pne	1894-1904	converted to HECR, WWII		
Lancaster	3	12" 1895	D 1897	1899-1918	partially buried for bridge		
&	1	12" 1888 MI	D 1896		gun M1888 MI-1/2		
Godfrey	3	12" 1888	B 1892	1895-1943			
Saffold	2	12" 1888 MI	B 1892	1898-1943			
Howe	8	12" 1886	M 1891	1895-1920	1 empl. remains, others buried		
Wagner	8	12" 1886	M 1891	1895-1920	buried		
Stotsenburg	8	12" 1890 MI	M 1896 MI	1900-1943	4 guns removed 1918 to Ft. Funston		
McKinnon	8	12" 1890 MI	M 1896 MI	1900-1943			
Cranston	2	10" 1888 MI	D 1896	1898-1943	built on		
Miller	3	10" 1888	D 1894	1898-1920			
East	2	8"	B	1897-1915	converted Rodman rifles		
Slaughter	3	8" 1888	D 1896	1899-1917	partially buried		
Crosby	2	6" 1897 MI	D 1898	1902-1943			
Chamberlin	4	6" 1903	D 1903	1904-1918	1-6" DC installed by NPS 1976 <u>Still emplaced</u> , being restored		
Chamberlin	2	6" 1900	P 1900	1920-1947	in modified DC emplacement		
Boutelle	3	5" 1897	BP 1896	1898-1918			
Sherwood	2	5" 1900	P 1903	1900-1917	guns to Ft. Funston		
Baldwin	2	3" 1898	MP 1898 MI	1901-1920	partially buried		
Blaney	4	3" 1898	MP 1898 MI	1907-1920			
Point	2	3" 1902	P 1902	1944-1945	guns from Yates, Ft. Baker		
Gate	2	3" 1902	P 1902	1942-1945	guns from Gravelly Beach, Ft. Baker		
AMTB Baker Beach	2	90 mm M1	F M3	1943-1946	buried		
FORT MASON	Black Point	1852-1975		Golden Gate National Recreation Area	MF, MC		*****
Burnham	1	8" 1888	D 1896	1900-1909	gun & carr to Ft. Columbia, built on		
FORT McDOWELL	Angel Island	1852-(1928) 1947	state park		MC		*****
Drew	1	8" 1888	B 1892	1898-1915			
Wallace	1	8" 1888	D 1896	1901-1915			
Ledyard	2	5" 1900	P 1903	1901-1915	guns to Miley		
AMTB	90 mm M1	F M3		Not Built?			
FORT BAKER	Lime Point, 1867-			Golden Gate National Recreation Area	MF		*****
Spencer	3	12" 1888	B 1892	1893-1943	1 gun removed 1918		
Kirby	2	12" 1895	D 1897	1900-1941	1 gun replaced 1933		
Duncan	2	8" 1888	B 1892	1898-1917			
Wagner	2	5" 1897	BP 1896	1901-1917			
Yates	6	3" 1902	P 1902	1904-1943	4 guns removed 1941		
Gravelly Beach	2	3" 1902	P 1902	1942-1943	guns from Yates, part. buried		
AMTB Gravelly Beach	2	90 mm M1	F M3	1943-1946			

FORT BARRY	Point Bonita	1905-1975	Golden Gate	National Recreation Area	MC	*****
#129	2 16"	CB M4	1943 NC	guns were at emplacement		
Alexander	8 12" 1890MI	M 1896MI	1901-1943			
Mendell	2 12" 1895	DC 1897	1901-1943			
Wallace	2 12" 1895MI	B 1917	1919-1947	casemated WWII		
Guthrie	2 6" 1900	P 1900	1905-1946			
Smith	2 6" 1900	P 1900	1905-1946			
Rathbone	2 6" 1900	P 1900	1905-1947			
McIndoe	2 6" 1900	P 1900	1905-1947			
O'Rorke	4 3" 1903	P 1903	1905-1945			
FORT CRONKHITE	Tennessee Point	1937-1975	Golden Gate	National Recreation Area		*****
Townsend	2 16" MkII MI	CB M2	1940-1948	restoration, one 16" navy MkVII barrel on display 2012		
unnamed	2 3" 1903	P 1903	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" 1890MI	M 1896MI	1899-1942	4 guns to Canby 1918	
Mishler	2 10" 1888MII	D 1896ARF	1897-1941	ARF, covered for HECF 1941	
Lewis	1 10" 1888MII	D 1894	1897-1920		
&	1 10" 1888MII	D 1896			
Walker	2 10" 1888MII	D 1894	1897-1920		
Russell	2 10" 1900	D 1901	1904-1944		
Pratt	2 6" 1897MI	D 1898	1902-1943	battery being restored, full scale replica gun & carriage	
Freeman	2 6" 1900	P 1900	1902-1920	6" guns to Willapa Bay, empl. destroyed	
&	1 3" 1898	MP 1898MI	1902-1920		
#245	2 6" M1	SB M4	1944-1947	2-5" naval gun mounts in empl. as display 1981	
Smur	2 3" 1898	MP 1898MI	1902-1920		
AMTB #1	2 90 mm M1	F M4	1943-1946	Clatsop Spit	
FORT COLUMBIA	Chinook Point	1864-(1947)	state park	MC	*****
Ord	2 8" 1888	D 1896	1898-1917		
&	1 8" 1888	D 1894	1898-1917	Originally named Neary, now buried	
Murphy	2 6" 1897MI	D 1898	1900-1945		
#246	2 6"	SB M4	1944 NC	2 guns & carr. from Ft. McAndrew installed 1994	
Crenshaw	3 3" 1898	MP 1898MI	1900-1920		
FORT CANBY	Cape Disappointment	1852-(1947)	state park, USCG		**
Guenther	4 12" 1890MI	M 1896MI	1921-1942	guns from Stevens	
Allen	3 6" 1903	D 1903	1906-1945	3 guns removed 1917, 2 guns replaced 1918	
O'Flyng	2 6" 1903	D 1903	1906-1918	guns to Allen	
#247	2 6" M1	SB M4	1944-1947		
AMTB #2	2 90 mm M1	F M3	1943-1946	Jetty	

#### The Harbor Defenses of Grays Harbor (temporary)

	North Cove (Willapa Bay)				*
unnamed	4 12"	M	1919-1919	NA	
unnamed	2 6" 1900	P 1900	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	NA, covered	
#1	4 12"	RM	1942	at Pt. Brown- unknown	
#2	2 6" Navy	Navy P	1942-1944	one empl remains near park	
	4 6" navy	Navy P	1942	at Point Brown, one empl remains in water	
unnamed	2 5" 1897MI	BP 1896	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" 1888	D 1896	1903-1918	private	1 gun M1888MII	
Warner	2 5" 1900	P 1903	1903-1925	private		
Thornburgh	4 3" 1898	MP 1898MI	1903-1920			
Vinton	2 3" 1898	MP 1898MI	1903-1920	lower rooms filled		

Middle Point Military Reservation			state park	MF, MC	***
Mitchell	2 3"	MP	1903 NA	across channel from Ft. Ward	
FORT WHITMAN	Goat Island	1909-(1947)	state game refuge	MC	**
Harrison	4 6" 1908	D 1905MI	1911-1943		
FORT FLAGLER	Marrowstone Island	1898-1954	state park		****
Bankhead	8 12" 1890MI	M 1896MI	1902-1942		
Wilhelm	2 12" 1888MII	AGL 1891?	1898-1942		
Rawlins	2 10" 1888MII	B 1893	1899-1918	both empl. mod. for 3-in AA (3rd AA empl. separate)	
Revere	2 10" 1888MII	B 1893	1899-1941	guns and carriages to Canada	
Calwell	4 6" 1903	D 1903	1904-1918		
Grattan	2 6" 1903	D 1903	1905-1918		
Lee	2 5" 1897MI	BP 1896	1901-1918	guns to Grays Harbor	
Downes	2 3" 1903	P 1903	1905-1946		
Wansboro	2 3" 1903	P 1903	1906-1946	2 guns repl. 1963 from Ft. Wint for display	
AMTB Marrowstone	2 90 mm M1	F M3	1943-1946	in surf	
FORT CASEY	Admiralty Head	1897-1953	state park, college	extention campus	*****
Schenck	8 12" 1890MI	M 1896MI	1899-1942	no mortars removed, two tubes were M1890	
Seymour	8 12" 1890MI	M 1896MI	1899-1942	Schneck mortars held in reserve for temp. batteries	
Kingsbury	2 10" 1895	D 1896	1902-1942	2 guns rem. 1918, 1 repl 1920, 2 empl. mod. for 3-in AA	
&	1 10" 1900	D 1901			
Moore	3 10" 1895	D 1896	1904-1942	1 empl. mod. for 3-in AA	
Worth	2 10" 1895	D 1896	1898-1942	M1901 guns and carr. repl 1963 from Warwick, Ft. Wint	
Parker	2 6" 1903	D 1903	1905-1918		
Valleau	4 6" 1903	D 1903	1907-1918		
Turman	2 5" 1897MI	BP 1896	1901-1918		
Trevor	2 3" 1903	P 1903	1905-1933	2 guns repl 1963 for display	
Van Horne	2 3" 1903	P 1903	1905-1945		
FORT WORDEN	Point Wilson	1898-1954	state park	MF?	*****
Brannon	8 12" 1890MI	M 1896MI	1901-1943		
Powell	8 12" 1890MI	M 1896MI	1901-1943		
Ash	2 12" 1888MII	B 1892	1900-1942		
Kinzie	2 12" 1895MI	D 1901	1910-1944		
Benson	2 10" 1900	D 1901	1907-1943		
Quarles	3 10" 1888MII	B 1893	1900-1941	guns & carr. to Canada, one gun SE at Ft. McNutt	
Randol	2 10" 1888MI	B 1893	1900-1918		
Stoddard	4 6" 1903	D 1903	1906-1918		
Tolles	4 6" 1903	D 1903	1905-1943	2 guns rem '18	
"Tolles B"	2 6" 1900	P 1900	1937-1947	in empty Tolles empl, 2-6" P from Willapa Bay	
Vicars	2 5" 1897MI	BP 1896	1902-1918		
Putnam	2 3" 1903	P 1903	1907-1945		
Walker	2 3" 1903	P 1903	1907-1946		
AMTB Pt. Wilson	2 90 mm M1	F M3	1943-1946	In surf	
	Ebey's Landing		private		X
AMTB Ebey's Lndg	2 90 mm M1	F M3	1943-1946	destroyed	
FORT EBEBY	Partridge Point		state park		**
#248	2 6" 1905A2	SB M1	1943-1946		
	Deception Pass		state park		X
North & South	4 3"	P	Not Built		
	Cape George				X
unnamed	4 12"	RM	193?	NA, empl cuts remain	
unnamed	4 8"	RY		Tibbels Bluff	
	Angeles Point				X
unnamed	4 155 mm	PM	1942		
CAMP HAYDEN	Striped Peak		county park/state land		**
#131	2 16" MkIIMI	CB M4	1944-1948		
#249	2 6" M1	SB M4	1945-1948		
FORT HAYDEN (Cape Flattery Military Res.)			Makah Indian Res		X
[#132]	2 16"	CB	Not Built	Construction initiated on all sites, ended 1943	
[#133]	2 16"	CB	Not Built		
[#250]	2 6"	SB	Not Built		
[#251]	2 6"	SB	Not Built		
			Canadian sites, British Columbia		*
	2 8"	RY	1941-1943	Christopher Point, Vancouver Is.	
	2 8"	RY	1941-1943	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	4 12" 1890MI	M 1896MI	1910-1943	
&	4 12" 1890MI	M 1896MII		
Birkhimer	4 12" 1890MI	M 1896MI	1916-1943	rebuilt, site modified
Granger Adams	2 8" 1888MII	B 1918	1935-1946	Black Pt., destroyed
#407	2 8"	B M1	1942 NA	tunneled into rock
S.C. Mills	2 5" 1900/05	BP 1903/07	1916-1925	Black Pt., guns from Mott, destroyed
Dodge	2 4.7" Armstr	Armstrong	1915-1925	2-4" NP WWII, orig. barrells at NG Armory Wahiawa
Hulings	2 4.7" Armstr	Armstrong	1915-1925	
unnamed	12 2.24"	Ped.	1915-1919	emplacements for 6 pdr. parapit mounts
Ruger	4 155 mm	PM	1942-1943	destroyed
Wiliwilinui Ridge M.R.			private	*
Kirkpatrick	4 8"	2 x Navy T	1942-1948	
Wili	4 155 mm	PM		destroyed
FORT DeRUSSY	Waikiki Beach	1908- now	Army recreation center , Army Museum	*
Randolph	2 14" 1907	D 1907	1913-1944	2 - 7" guns now in emplacements, being restored
Dudley	2 6" 1908	D 1905MI	1913-1946	destroyed '69
AMTB No. 5	2 90 mm M1	F M3	1943-1946	destroyed
FORT ARMSTRONG	Kaakaukukui Reef	1899	private MF, MC	X
Tiernon	2 3" 1903	P 1903	1911-1943	destroyed
Sand Island Military Reservation				*
Sand	4 155 mm	PM	1937-1943	destroyed
Harbor	4 7" Navy	Navy P	1942-1944	
AMTB No. 4 (Sand)	2 90 mm M1	F M3	1943-1946	destroyed
Ala Moana AMTB	2 90 mm M1	F M3	1943-1945	Ala Moana Beach Park, destroyed
Other locations- Honolulu				?
#304	2 6"	SB	1942 NC	Punchbowl
[#305]	2 6"	SB	Not Built	Koko Saddle
unnamed	2 240 mm	H 1918	1929-1941	Waimanalo
unnamed	2 240 mm	H 1918	1927-1941	Kaaawa, buried
unnamed	2 240 mm	H 1918	1927-1941	Ulupau, destroyed 1992
Punchbowl	4 155 mm	PM	1943-1944	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" MkIIMI	B 1919M1	1934-1948	casemated-WWII
FORT WEAVER	Puuloa 1899 (1922)		Navy Housing	*
Williston	2 16" 1919	B 1919	1924-1948	ARF, destroyed
AMTB No. 1	2 90 mm M1	F M3	1943-1945	
Weaver	4 155 mm	PM		
FORT KAMEHAMEHA	Queen Emma Point	1908-1949	Hickam AFB MF?, MC	***
Hasbrouck	8 12" 1908	M 1908	1914-1943	
Closson	2 12" 1895MI	B 1917	1924-1948	casemated 1942
Selfridge	2 12" 1895MII	D 1901	1913-1945	
Jackson	2 6" 1908	D 1905MI	1913-1943	
Ahua	3 5" Navy	Navy P	1942-1944	Ahua Pt.
Barri	2 4.7" Armstr	Armstr-CM	1915-1924	Bishop Pt., destroyed
Chandler	2 3" 1903	P 1903-CM	1915-1942	Bishop Pt., destroyed
Hawkins	2 3" 1903	P 1903	1914-1943	
AMTB No. 2	2 90 mm M1	F M3	1943-1946	
AMTB No. 3	2 90 mm M1	F M3		location?
AMTB No. 6	2 90 mm M1	F M3		location?
Kam	4 155 mm	PM		
Puu O Hulu M.R.				**
"Hulu"	2 7"	Navy CM	1942-1944	incorporated into BCN #303
#303	2 6"	SB	1942 NC	tunneled into rock

Other locations- Pearl Harbor					*
Arizona	3	14"	Navy Turr	1945 NC	Kahe Pt., from <i>USS Arizona</i>
Burgess	4	8"	2 x Navy T	1942-1948	(Salt Lake) near Aliamanu Crater, destroyed
Brown's Camp	4	8"	RY	1937-1944	Browns Camp, Kahe Point
"Homestead"	3	7" Navy	Navy P	1942	Keaau Homesteads
Adair	2	6" Armstr	Armstr-CM	1917-1925	Ford Island
Boyd	2	6" Armstr	Armstr-CM	1917-1925	Ford Island
Nanakuli	2	5" Navy	Navy P	1941-1943	and 1-3" NP, destroyed
Oneula	2	5" Navy	Navy P	1942-1944	Oneula Beach (Ewa) destroyed
unnamed	2	240 mm	H 1918	1931-1941	Laie
unnamed	1	240 mm	H 1918	1927-1941	Pupukea
unnamed	3	240 mm	H 1918	1930-1941	Makua
Awanui	4	155 mm	PM	1942-1944	Brown's Camp
Barber's Point	4	155 mm	PM	1937-1942	Barber's Point, destroyed
"X-Ray"	4	155 mm	PM	1942-1944	Oneula Beach, destroyed
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"	Navy Turr	1945-1948		Ulupau Head, from <i>USS Arizona</i>	
Demerritt (#405)	2	8" MkVI3A2B M1		1944-1948		Puu Papaa, tunneled into rock	
Sylvester	4	8" 1890MI	RY 1918	1942-1944		RY guns on specially built tracks, later dismounted	
French (#301)	2	6" 1903A2	SBC M1	1944-194?		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"	B		Not Built		
[unnamed]	4	8"	RY		Not Built		
Kawailoa M.R.							X
unnamed	4	8"	RY	1940-1942			
unnamed	4	155 mm	PM				
Opacula M.R.					private		*
Riggs	4	8"	2 x Navy T	1942-1948			
Brodie Camp M.R.		Helemano			private		*
Ricker	4	8"	2 x Navy T	1942-1948			
Kaena Point M.R.							**
#409	2	8"	B	1942 NC	tunneled into rock		
Other locations- North Shore							*
Kahuku	4	8" 1888MII	RY 1918	1940-1944	dismounted RY with shields, 1 empl. remains		
Cooper (#302)	2	6" 1903A2	SB M1	1944-194?	Lae o ka oio (opposite Kaioi Pt.), tunnels		
Kahana	2	5" Navy	Navy P	1942-1943	Kahana Bay		
Wailia	2	3" 1903	P 1903	1942-1943	Wailia Pt., guns from Chandler, repl by 90m F?		
AMTB No. 7	2	90 mm M1	F M3	1943-1945	2-90 mm M/ 2-37 mm M, S. Pyramid Rock, 1 empl. rem.		
AMTB No. 8	2	90 mm M1	F M3	1943-1945	2-90 mm M/ 2-37 mm M, destroyed		
Kahuku/Ranch	4	155 mm	PM	1941-1945	Kahuku		
Loko	4	155 mm	PM	1942-1944	Kualoa Ranch		
Ashley	4	155 mm	PM	1939-1944	Ashley Military Reservation		
Kaena	2	4" Navy	Navy P	1942	later converted to 155 mm site		
Kalihi	2	4" Navy	Navy P	1942	Mokuoeo Is?		
Dillingham	2	4" Navy	Navy P	1942	Mokuleia		
Kaneohe	2	4" Navy	Navy P	1942	Kaneohe Bay		
Oahu howitzer positions manned by field artillery units							?
Kalihi	2	240 mm	H 1918	1941-1944	Kalihi, atop Koalau Range		
"Quadropod"	2	240 mm	H 1918	1941-1944	Paalaa		
unnamed	2	240 mm	H 1918	1941-1944	Kole Kole Pass		
unnamed	2	240 mm	H 1918	1941-1944	Kunia		
Other locations- other islands							?
unnamed	2	7" Navy	Navy CM	1942	Ahukini, Kauai Is.		
unnamed	2	7" Navy	Navy CM	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" 1895MI B 1917	1921	<u>Still Emplaced</u> + spare barrel		
Smith	1	12" 1895MI B 1917	1921	<u>Still Emplaced</u>		
Way	4	12" 1890MI M 1896MI	1910	<u>Still Emplaced</u>		
Geary	4	12" 1890MI M 1896MI	1910	4 guns from Ft. Andrews, part. dest., 6 tubes at site		
&	4	12" 1908 M 1908				
Cheney	2	12" 1895/MI D 1901	1910	<u>Still Emplaced</u>		
Wheeler	2	12" 1895/MI D 1901	1910	1 Gun <u>Still Emplaced</u> + spare barrel		
Crockett	2	12" 1895MI D 1901	1910	<u>Still Emplaced</u> + spare barrel		
Grubbs	2	10" 1895MI D 1901	1911	<u>Still Emplaced</u> + spare barrel		
RJ 43	1	8" 1888MII B 1918	1942	gun barrel at wharf (also 1-8" BC near Bagac, Bataan)		
Morrison	2	6" 1905/08 D 1905MI	1910	<u>Still Emplaced</u> + spare barrel		
Ramsey	3	6" 1905 D 1905/MI	1911	1 gun <u>Still Emplaced</u> , 2 barrels outside emplacement		
James	4	3" 1903 P 1903	1910			
Keyes	2	3" 1903 P 1903	1913			
Cushing	2	3" 1903 P 1903	1919	reachable only by boat		
Hanna	2	3" 1903 P 1903	1919	empl #1 intact, empl # 2 buried		
Martin	2	155 mm PM				
Hamilton (South)	3	155 mm PM				
Kysor (North)	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" 1907MI D 1907	1913	partially destroyed		
Crofton	1	14" 1907MI D 1907	1913	partially destroyed		
Koehler	8	12" 1908 M 1908	1913	partially destroyed		
Hoyle	2	3" 1903 P 1903	1913	removed before WWII, partially destroyed		
Frank	4	155 mm PM				
<b>FORT DRUM</b>	<b>El Fraile Island</b>		<b>abandoned</b>			<b>** +</b>
Wilson	2	14" 1909 TM 1910	1918	<u>Still Emplaced</u>		
Marshall	2	14" 1909 TM 1910	1918	<u>Still Emplaced</u>		
Roberts	2	6" 1908MII CM 1910	1918	1 gun <u>Still Emplaced</u>		
McCrea	2	6" 1908MII CM 1910	1918	partially destroyed		
New Hoyle	1	3" 1903 P 1903		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" 1910 D 1907MI	1914	<u>Still Emplaced</u>		
Gillespie	1	14" 1910MI D 1907MI	1914	<u>Still Emplaced</u>		
Craighill	4	12" 1912 M 1896MIII	1919	<u>Still Emplaced</u>		
Leach	2	6" 1908 D 1905MII	1914	empl. destroyed, 1 barrel present		
Fuger	2	3" 1903 P 1903	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" 1895MI D 1901	1910	guns to Casey 1967, built on		
Woodruff	2	6" 1905 D 1905	1910	partially destroyed by magazine explosion after WW II		
Hall	2	6" 1905 D 1905	1910	Mag dest. post war, guns & carr. <u>Still Emplaced</u>		
Flake	4	3" 1903 P 1903	1910	2 guns to Casey 1963		
Jewell	4	3" 1903 P 1903	1910	2 guns repl Navy 3", 2 guns to Flagler 1963		
unnamed	4	155 mm PM		Ogonbolo, Bataan		

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

FORT RANDOLPH	Margarita Island	1911	to Panama, 1979; commercial development		* *
Webb	2	14" 1910	D 1907MI	1912-1948	
#1	2	14" 1920	RY 1920	1928-1948	2 guns for Panama, 4 empl. (#1 & #8)
Tidball	4	12" 1912	M 1896MIII	1912-1943	
Zalinski	4	12" 1912	M 1896MIII	1912-1943	
Weed	2	6" 1908MII	D 1905MII	1912-1946	
X(4A)	4	155 mm	PM	1940	
2C	4	155 mm	PM		
5A	4	155 mm	PM		
FORT DeLESSEPS	Colon	1911	to Panama, 1950s		* *
Morgan	2	6" 1908MII	P 1910	1913-1944	modified casemate mounts M1910
AMTB #3b	4	90 mm M1	F M3	1943-1948	Cristobal mole, built over
FORT SHERMAN	Toro Point	1911	ME, MC to Panama 1999		* * * *
[#151]	2	16"	CB	<i>Not Built</i>	
Mower	1	14" 1910	D 1907MI	1912-1948	
Stanley	1	14" 1910	D 1907MI	1912-1948	
Howard	4	12" 1912	M 1896MIII	1912-1943	
Baird	4	12" 1912	M 1896MIII	1912-1943	
Pratt	2	12" 1895MI	B 1917	1924-1948	Iglesia Pt., casemated-WWII
MacKenzie	2	12" 1895MI	B 1917	1924-1948	Iglesia Pt., not rebuilt
Kilpatrick	2	6" 1908	D 1905MII	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" MkIIMI	B 1919MI	1926-1948	Bruja Pt., casemated-WWII	
Haan	2	16" MkIIMI	B 1919MI	1926-1948	Batele Pt., not casemated, empl. buried	
AMTB #6	4	90 mm M1	F M3	1943-1948		
Z (3A)	2	155 mm	PM			
FORT AMADOR		Balboa	to Panama, 1997; commercial development		*	
Birney	2	6" 1908	D 1905MII	1913-1943	buried	
Smith	2	6" 1908	D 1905MII	1913-1943	buried	
FORT GRANT		Balboa	to Panama, 1979		ME, MC	* *
Newton	1	16" 1895	D 1912	1914-1943	Perico Is., filled to loading platform level	
Buell	2	14" 1910	DC 1907MI	1912-1948	Naos Is., one emplacement filled	
Burnside	2	14" 1910	DC 1907MI	1912-1948	Naos Is., emplacements filled	
Warren	2	14" 1910	DC 1907MI	1912-1948	Flaminco Is., empls. filled to parapit edge	
Prince	4	12" 1912	M 1896MIII	1912-1943	Flaminco Is., modified for shopping center	
Merritt	4	12" 1912	M 1896MIII	1912-1943	Flaminco Is., modified for shopping center	
Carr	4	12" 1912	M 1896MIII	1912-1943	Flaminco Is.	
Parke	2	6" 1908	D 1905MII	1912-1948	Naos Is., destroyed for condominiums	
#8	2	14" 1920	RY 1920	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 mm	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" SB	NC 88% complete	
	2 6" Navy Navy P	1942 named Allen? repl by BCN 290	
FORT PEIRCE	Biorka Is.	FAA and USCG	**
#291	2 6" 1903A2 SB M1	NC 98% complete	
FORT ROUSSEAU	Makhnati Is.	State of Alaska	**
#292	2 6" 1903A2 SB M1	1944-1950 completed	
	4 155 mm PM		
	Other location		?
AMTB 1	2 90 mm M1 F M3	WWII Watson Pt., buried? Church school	
AMTB 2	2 90 mm M1 F M3	WWII Whale Is.	

**The Harbor Defenses of Seward, Alaska**

FORT MCGILVRAY	Caine's Head	state recreation area	**
#293	2 6" 1903A2 SB M1	NC 99% complete	
AMTB	2 90 mm M1 F M3	WWII Lowell Point, moved to Whittier	
Rocky Point	4 155 mm PM		
FORT BULKLEY	Rugged Is	State of Alaska	**
#294	2 6" 1903A2 SB M1	NC 90% complete	

**The Harbor Defenses of Kodiak, Alaska**

FORT J.H. SMITH	St. Peters Head, Chiniak	Lesnoi Corp.	**
#403	2 8" MkVI3A2 B M1	1944-1950 1 gun tube at Buskin River Inn near airport	
[#295]	2 6" SB	<i>Not Built</i>	
Chiniak	4 155 mm PM		
FORT TIDBALL	Castle Bluffs, Long Island	Lesnoi Corp	**
#296	2 6" 1903A2 SB M1	1944-1950 2 shields remain (no carr)	
Deer Point	4 155 mm PM	Deer Point	
FORT ABERCROMBIE	Miller Point	state park	**
#404	2 8" 8" MkVI3A2	B M1 1944-1950 2 gun tubes displayed at battery	
AMTB	2 90 mm F	WWII Spruce Cape	
	Other Kodiak locations		?
[#297]	2 6" SB	<i>Not Built</i> East Cape, Spruce Is.?	
AMTB	2 90 mm M1 F M3	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" 1903A2 SB M1	1944-1950 2 shields (no carr.) remain at site	
AMTB 3a	2 90 mm M1 F M3	WWII	
FORT SCHWATKA	Ulakta Head, Amaknak Is.	Aleutian WWII Natl. Hist. Area	**
#402	2 8" MkVI3A2 B M1	1944-1950	
[#299]	2 6" SB	<i>Not Built</i>	
AMTB	2 90 mm M1 F M3	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" Navy	Navy P	Cold Bay, Mortensen Pt.
2 6" Navy	Navy P	Chernofski
2 6" Navy	Navy P	Umnak, Sheep Pt.
1 6" Navy	Navy P	George Is., <u>still emplaced</u>
2 6" Navy	Navy P	Yakutat, Point Carrew, <u>still emplaced</u>
2 6" Navy	Navy P	Nome
2 6" Navy	Navy P	Annette Is.
2 6" Navy	Navy P	Adak Is.
2 6" Navy	Navy P	Shemya Is.
2 6" Navy	Navy P	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 M1	F M3	Whittier, from Seward defenses
AMTBs	6	90 mm M1	F M3	Amchitka Is.
AMTBs	8	90 mm M1	F M3	Adak Is.
AMTB	2	90 mm M1	F M3	Shemya Is., 1 gun remains, relocated from?

## Defenses in Newfoundland, Canada

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

	2	10"	B	1942-44	M1888 guns, St. Johns
	2	10"	B	1941-44	Fort McNutt, Shelburne
	2	10"	B/D	1942-44	Fort Prevel, Gaspé, Quebec
	2	10"	D	1942-43	Wiseman Cove, Botwood
#T2212	2	8"	RY	1941-44	Signal Hill, later Red Cliff Head, St. Johns
#281	2	6" 1903A2	SB M1	WWII	Argentia North, guns to Ft. Columbia 1993
#282	2	6" 1903A2	SB M1	WWII	<u>Still Emplaced</u> , Argentia Hill 195
#954	2	6" Navy	Navy P	WWII	Shalloway Pt., Argentia
#604	2	6" Navy	Navy P	WWII	Latine Point, Argentia
	2	3"	P	1942	Isaac Point, Argentia (relocated to Airport)
#955	2	3"	P	1942-44	Airport, Argentia
#T8503	2	155 mm	PM	WWII	Harmon Field, Stephenville
#T1653	2	155 mm	PM	WWII	St. Johns
AMTB	2	90 mm M1	F M3	WWII	Roche Pt., Argentia, covered
AMTB	2	90 mm M1	F M3	WWII	Ship Harbor Pt. ? Argentia
AMTB	2	90 mm M1	F M3		not built?

## Defenses in Bermuda

\* \*

	2	8"	RY	1941-44	Scaur Hill
	2	8"	RY	1941-44	Fort Victoria
#283	2	6" 1903A2	SB M1	1943-46	Stone (Tudor) Hill, Southampton Parish
#284	2	6" 1903A2	SB M1	1943-46	Fort Victoria, St. Georges Is. covered
	2	155 mm	PM	1942-46	Turtle Hill
	2	155 mm	PM	1942-46	Cooper's Island
AMTB	4	90 mm	F	?	Fort Victoria

## Defenses in Jamaica (planned)

	<u>Portland Bight, Heathshire</u>				X
#285	2	6"	SB	<i>Not Built</i>	battery location moved to Vieques Is.

## Defenses in Guantanamo Bay, Cuba

	<u>U.S. Naval Station</u>		<u>never armed by Army</u>		?
	4	6"	D	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"	CB	<i>Not Built</i>	Punta Mata Redonda
[#155]	2	16"	CB	<i>Not Built</i>	Punta Yeguas
#406	2	8" MkVI3A2 B M1		NC?-1948	Punta Mata Redonda, magazine not built
#265	2	6" 1903A2	SB M1	WWII	Isla Pineros
#268	2	6" 1903A2	SB M1	WWII	Punta Lima, now a prison
[#311]	2	6"	SB	<i>Not Built</i>	Cabo San Juan
AMTB	2	90 mm M1	F M3	WWII	Punta Algodones, HECF-HDCP
[AMTB]	4	90 mm	F	<i>Not Built?</i>	
	2	155 mm	PM		Punta Yeguas

Vieques Island sites					X
[#153]	2	16"	CBC	<i>Not Built</i>	Mt. Pirata, Vieques Is.
[#154]	2	16"	CBC	<i>Not Built</i>	Cerro Matias Jalobre, Vieques Is. (orig. Culebra Is.)
[#266]	2	6"	SBC	<i>Not Built</i>	Cerro Martineau or Punta Mulas, Vieques Is.
[#267]	2	6"	SBC	<i>Not Built</i>	Punta Arenas or Mt. Pirata, Vieques Is.
[#285]	2	6"	SBC	<i>Not Built</i>	East End, Vieques Is.
Culebra Island sites (planned)					X
[#312]	2	6"	SBC	<i>Not Built</i>	North Pt.
[#313]	2	6"	SBC	<i>Not Built</i>	Dolphin Hd.
FORT SEGARRA	St. Thomas Island sites 1944				*
#401	2	8"	MkVI3A2 B M1	NC -1948	Fortuna Hill, gunblocks only
#314	2	6"	SB M4	NA (97%)	Flamingo Pt., Water Is.
[#315]	2	6"	SBC	<i>Not Built</i>	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"	SB M4	WWII	NA? Punta Salinas
Pence (#262)	2	6"	1903A2 SB M1	WWII	East Salinas Island
FORT AMEZQUITA	Las Cabras Is.			San Juan park	**
Reed	2	12"	1895MI CB 1917	1941-1948	guns from Torbert, Ft. Delaware, new carr.
Cabras Island	4	155 mm	PM	1941-	
AMTB	2	90 mm M1	F M3		mobile only?
	Punta Escambron				X
Schwan (#263)	2	6"	1903A2 SB M1	WWII	dest., 1965
	Punta Cangrejos				*
Lancaster (#264)	2	6"	1903A2 SB M1	WWII	modified
FORT BROOKE	El Morro			National Park Service	**
"Point"	1	3"	P	WWII	HECP-HDCP, exam battery
Morro	1	4.7"	Armstr Armstrong	1917-1921	gun & mount orig. from Gatewood, Monroe
Princesa	1	4.7"	Armstr Armstrong	1917-1921	gun & mount orig. from Gatewood, Monroe
St. Elena	1	4.7"	Armstr Armstrong	1917-1921	gun & mount orig. from Gatewood, Monroe
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	<i>Not Built</i>	Corozol Pt.	
	2	12"	CBC	<i>Not Built</i>	Chacachara Is.	
[#271]	2	6"	SBC	<i>Not Built</i>	Corozal Pt.	
[#272]	2	6"	SBC	<i>Not Built</i>	north Monos Is.	
[#273]	2	6"	SBC	<i>Not Built</i>	south Monos Is.	
[#274]	2	6"	SBC	<i>Not Built</i>	Chacachara Is.	
[#275]	2	6"	SBC	<i>Not Built</i>	Green Hill	
	24	155 mm	PM	WW II	various locations	
AMTBs	8	90 mm	F	<i>Not Built</i>	later reduced to 4 planned	
	Other AMTB sites					?
Bluie West 1	2	90 mm M1	F M3	1942-44	Narsarsuaq, Greenland	
Bluie West 7	2	90 mm M1	F M3	1942-44	Kangilinnuit, Greenland	
AMTBs	16	90 mm	F	<i>Not Built?</i>	Iceland	

## United States Major Gun Seacoast Batteries Built or Modified During the Years 1918-1945

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    Δ current restoration efforts, see note <sup>17</sup>

**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 (no gun tube); NB—not built<sup>1</sup> (also indicated by italicized bracket [###] 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 <sup>17</sup> Δ	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>	Narragansett Bay	Ft. Church	1938?	C	M1

## Batteries built or planned during the years 1940-1945

*16-inch MkiIMI Navy gun casemated batteries <sup>5</sup>*

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>6</sup>	NC (deferred)	M5	9
[106]		Boston	Flowers Hill, Scituate <sup>1</sup>	NB	—	
107	(Quinn) Gray <sup>5</sup>	Narragansett Bay	Ft. Church	C	M3	10
108	(Alston) Hamilton <sup>5</sup>	Narragansett Bay	Ft. Greene	C	M4	12
109		Narragansett Bay	Ft. Greene	NC (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 <sup>5</sup>		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 <sup>17</sup> Δ	New York	Navesink MR	C	M4	8
[117]		New York	Nigger Pt. -> Jamaica Bay <sup>1</sup>	NB	—	
118	William R. Smith <sup>5</sup>	Delaware	Ft. Miles	C	M4	7
[119]		Delaware	Ft. Miles	NB (replaced by #519)		
120	(Daniel W.) Ketcham <sup>5</sup>	Chesapeake Bay	Ft. Story	C	M4	8
121		Chesapeake Bay	Ft. Story	C	M4	8
122	(Eben E.) Winslow <sup>5, 17</sup> Δ	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>12</sup>	NC (deferred)	M4	7
129		San Francisco	Ft. Barry	NC (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 <sup>16</sup>	NC (deferred)	M4	5
[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. Amezcuita, Cabras Is.	C	M1917
		Trinidad	Chacachacare Is. <sup>1</sup>	NB	—
		Trinidad	Corozal Pt. <sup>1</sup>	NB	—
519 <sup>17</sup> Δ		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>8</sup>	Robert E. DeMerritt	Kaneohe Bay	near PuuPapaa	C	M1
406		Roosevelt Roads	Punta Mata Redonda, P.R.	PC	M1
407 <sup>8</sup>		Honolulu	Ft. Ruger	NC	M1
[408]		North Shore, Oahu	Paumalu MR <sup>1</sup>	NB	—
409 <sup>8</sup>		North Shore, Oahu	Kaena Pt.	NC (tunnels excavated)	

*6-inch gun BCLR shielded batteries*

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 *		Boston	Ft. Dawes <sup>6</sup>	NA	—/M3 5
208 <sup>7</sup>		Boston	Fourth Cliff	C	M1/M4 4
209	(Frank C.) Jewell	Boston	Outer Brewster Is.	C	M1/M3 6
210 †		New Bedford	Mishaum Pt.	C	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.	NC	—/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	NA	(M1)/M4 6
218		New York	Ft. Wadsworth	NC	—/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 §		Delaware Bay	Cape May MR	NC	M1/M3 4
224	(Phillip) Worchester <sup>9</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>7, 10</sup>		Chesapeake Bay	Fishermans Is.	C	05A2/M1 3
228		Chesapeake Bay	Ft. John Custis	NC	—/M4 4
229	(Horatio) Gates <sup>11</sup>	Chesapeake Bay	Ft. Wool	NA	—/M4 2
230		Charleston	Ft. Moultrie	NC	—/M4 5
231		Key West	Ft. Taylor	NC	—/M4 3
232		Key West	Salt Ponds MR	C	M1/M3 3
233		Pensacola	Ft. McRee	NC	—/M4 3
234 <sup>10</sup> Δ		Pensacola	Ft. Pickens	NC	—/M4 3
235		Galveston	Ft. San Jacinto	C	05A2/M1 3
236 Δ		Galveston	Ft. Travis	NC	—/M1 3
237 <sup>7</sup>		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>7, 12</sup>		Los Angeles	Ft. MacArthur	NA	(M1)/M4	6
242 * <sup>12</sup>	Harry J. Harrison	Los Angeles	Bolsa Chica MR	C	M1/M4	6
243 <sup>13</sup>		San Francisco	Ft. Miley	NA	—/M4	6
244 <sup>13</sup>		San Francisco	Milagra Ridge MR	NA	(M1)/M4	5
245 Δ		Columbia River	Ft. Stevens	C	M1/M4	7
246 <sup>13</sup> Δ		Columbia River	Ft. Columbia	NC	—/M4	7
247 <sup>13</sup>		Columbia River	Ft. Canby	C	M1/M4	6
248 Δ		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>13</sup>		Argentia	Ft. McAndrew (North)	C	03A2/M1	
282 <sup>14</sup> Δ		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. <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. Larnard	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>8</sup>	Avery J. Cooper	Kanoche Bay	Lae-o-ka-oio	C/NA?	03A2/M1	3
303 <sup>8</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>15</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 1940-1942. Battery locations that are known to have been moved are indicated by the symbol -> between locations. The given locations are usually the first assigned location and the last assigned location for the indicated battery.
2. Battery Pennington was the name originally given to all four guns of the 16-inch howitzer battery. Later the battery was divided into two batteries, Pennington 'A' and 'B'. In 1941 Battery 'B' (gun positions 3 and 4) were renamed Battery Walke, while positions 1 and 2 retained the name Pennington.
3. The two 12-inch LRBC guns built at Fort Mills were originally designated Battery Smith. However, the magazines were actually built as two separate structures to service the guns which were located on adjacent ridges. In the 1920s, the battery was redesignated as two single-gun batteries, with the left gun receiving the name of Battery Hearn. These guns were rendered inoperable by their crews before Corregidor was surrendered to the Japanese. They are still in place.
4. Battery Granger Adams was built for two Army M1888 8-inch guns on M1918 barbette carriages. These guns were emplaced on simple concrete platforms by 1935 with a protected magazine between the two gun positions. This battery served as the model for Battery Strong built two years later, which utilized two 8-inch Navy guns on newly designed Army M1 barbette carriages. Battery Reilly was a unique 8-inch casemated battery. The new 6-inch and 8-inch batteries were designed with open emplacements, but the gun crews were to be protected from shrapnel by metal shields which surrounded the gun carriage. The shields were developed and manufactured for the 6-inch guns, but not for the 8-inch guns. Battery Reilly was buried in 1995.
5. The 16-inch battery construction program had an interesting progression of events from 1940 to 1945. In addition to the 27 new 1940 Program batteries, six 16-inch batteries previously authorized for construction in 1939 were incorporated—four then under construction and two not yet started: underway were two at Narragansett Bay, RI, later designated as Battery Gray-BCN 107 and Battery Hamilton-BCN 108; one underway at Cape Henlopen, DE, later designated Battery Smith-BCN 118; and one underway at Cape Henry (Fort Story), VA, later designated Battery Ketcham-BCN 120. These four had a slightly different design than the rest of 1940 program batteries. A fifth 16-inch battery had been assigned to Montauk Point, NY, (eventually designated BCN 112) and a sixth 16-inch battery had been assigned to Cape Charles, VA (eventually designated BCN 122). This resulted in a total of 33 new 16-inch batteries to be built or finished when the project officially started in late 1940. Once underway, priorities shifted resulting in the cancellation of a number of the planned 16-inch batteries. BCN 115 was dropped from the construction program in late 1941 and BCN 134 was added for San Diego. The construction of fourteen 16-inch batteries which had not been started were deferred in September 1942 (BCNs 101, 106, 110, 114, 117, 119, 123, 124, 125, 128, 130, 133, and 134) as well as the Caribbean 16-inch batteries (BCNs 151, 152, 153, 154, 155). In November 1942 construction on BCNs 128, 133, and 134 were allowed to proceed, the remaining deferred batteries were eliminated. BCNs 132 and 133 were cancelled in October 1943. Work on BCNs 105, 109, 111, 128, 129, and 134 was suspended in November 1943, the concrete work was completed, but the armament and the power plants were not installed, resulting in designations of NC or NA.
6. All emplacements at Fort Dawes on Deer Island were destroyed in the mid-1980s for a Boston municipal water treatment plant.
7. The power equipment, including the diesel generators, still remain in BCNs 208, 223, 237, and 241.
8. These batteries were tunneled in the hillsides of Oahu. The guns were protected from rockfall by thin concrete aprons.
9. Battery Worcester was built for a pair of Model 1900 6-inch pedestal mount guns. The design of this battery was much simpler than the 6-inch design finally adopted. The construction was given BCN 224 to fit it into the program. A second battery built under this particular design was Battery Kessler at Fort Tilden which was totally rebuilt during 1941-1942, but not as a part of the modernization program.
10. The guns of BCN 227 were salvaged by the Smithsonian. In the early 1970s, they were installed in BCN 234 at Fort Pickens. Now part of the Gulf Shores National Seashore, the guns are one of three pairs of this model that remain today.
11. Battery Gates (BCN 229) was a conversion of an existing 6 inch battery, there was only 105 ft. between the guns.
12. Battery Harry C. Harrison (BCN 242) was armed, but not considered complete in 1944. In 1946, Battery Harrison's guns were transferred to BCN 241, which was not armed by late 1945. The guns remained at BCN 241 until the mid-1950s. BCN 241 still retains its power equipment and generators. Both Bolsa Chica batteries were demolished during 1993-95.
13. The gun tubes for BCN 246 were delivered to the site but not mounted. The guns of BCN 246 and those of BCN 247 were transferred to San Francisco and mounted in BCN 243 and BCN 244 sometime during 1945-47. In 1993, a pair of 6-in guns at BCN 281 were removed, refurbished, and installed in BCN 246 at Fort Columbia State Park by the State of Washington. BCN 247 at Fort Stevens State Park has two 5-inch navy gun turrets in its emplacements.
14. The guns still remain at BCN 282.
15. The guns and turret were mounted at Battery Arizona, but it was not considered complete nor were its guns proof-fired.
16. BCN 134 was destroyed by the Navy in 2016 to make room for a new SEAL training complex.
17. Modern restoration efforts. Battery 520 has a 12-inch navy barrel remounted in one casemate, the battery is home to the Fort Miles Museum, open regular hours for tours. A 16-inch navy MkVII barrel is on display nearby. Battery Lewis was recently renovated and restored by Monmouth County Parks and Recreation and is open on scheduled weekends and has a 16-inch MkVII Navy gun barrel mounted in one casemate. At Battery Winslow a 16-inch MkVII Navy gun barrel is mounted in one casemate. Battery Townsley is being restored and is open for tours once a month, with a 16-inch MkVII Navy gun barrel on display. BCN 234 and BCN 246 have had guns replaced in 1976 and 1992 respectively. BCN 248 at Fort Ebey is being cleaned up and renovated as is BCN 247 at Fort Stevens, which has 5 inch navy guns in turrets in its emplacements. BCN 245 at Cape Disappointment is clean and open to the public.