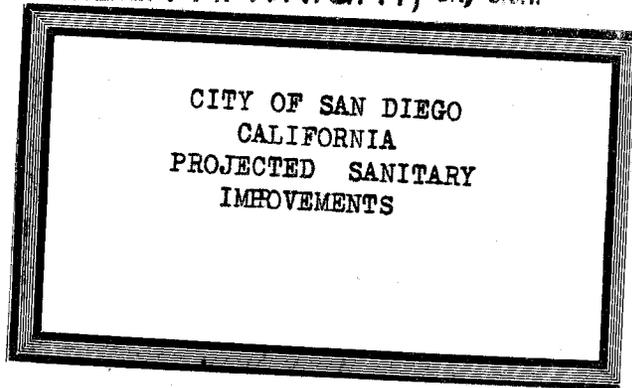


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FILED DEC -2 1937

ALLEN H. WRIGHT, City Clerk



CITY OF SAN DIEGO
CALIFORNIA
PROJECTED SANITARY
IMPROVEMENTS

S A N D I E G O

A community with a population of 175,000

United States and Government
personnel - 32,000

of which

Naval personnel averages about 30,000

of which

Aboard ships in Harbor averages
about 19,000

U. S. NAVAL HOSPITAL IN
BALBOA PARK

Present capacity	723 beds
Additional under way, about	144 beds



ERICKSON
11-450-2

PRESENT
O U T F A L L S E W E R S
FLOWING INTO
S A N D I E G O B A Y

1. McCALL STREET
2. CARLTON STREET
3. U. S. NAVAL TRAINING STATION
4. U. S. MARINE BASE
5. OLIVE STREET
6. MARKET STREET
7. "N" STREET
8. U. S. NAVAL HOSPITAL - BEARDSLEY STREET
9. U. S. DESTROYER BASE - 32ND STREET

T H E S E W A G E S I T U A T I O N
I N S A N D I E G O

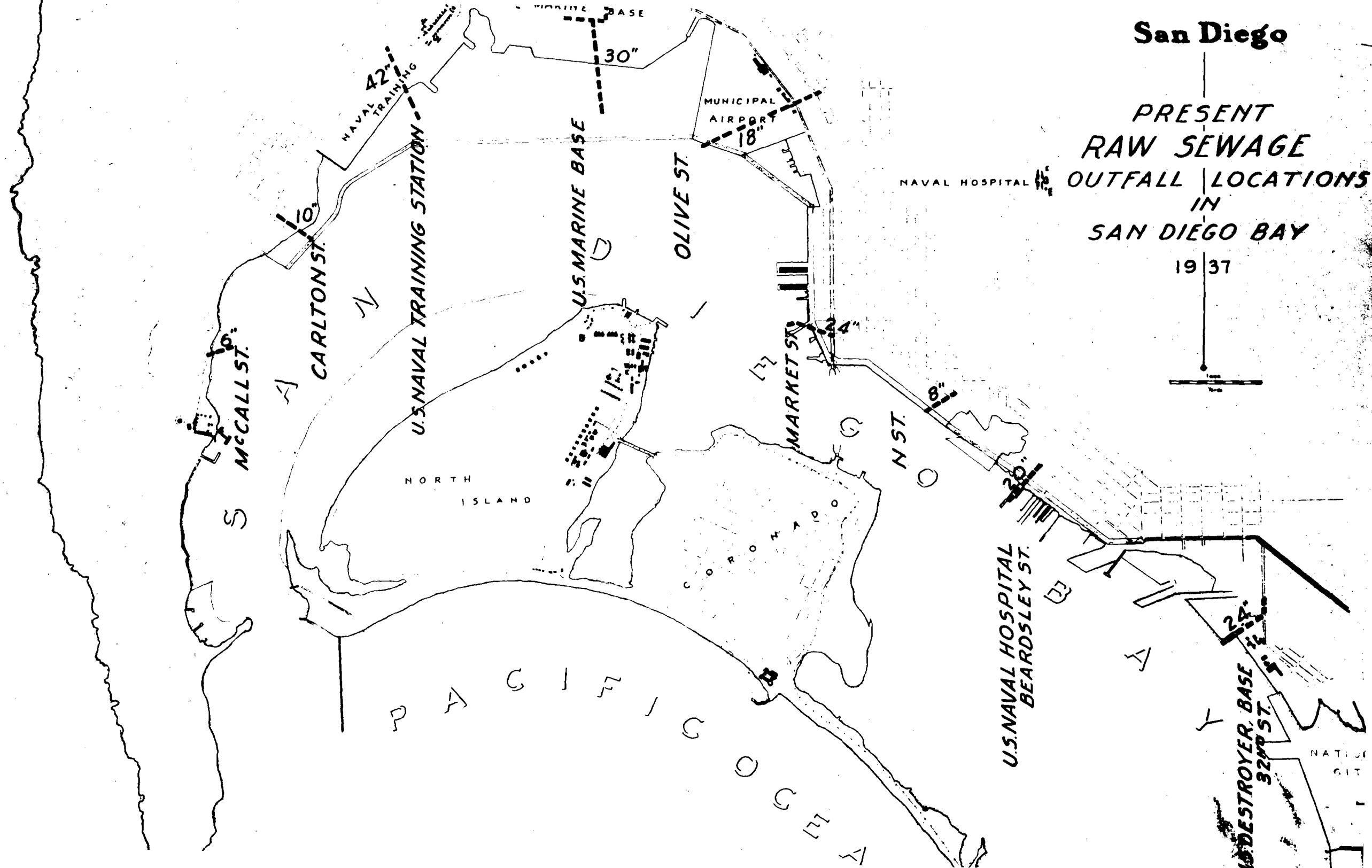
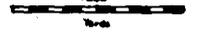
EIGHT MILLION GALLONS DAILY.

It is estimated that the present daily average flow of sewage is about sixty (60) gallons per capita, and about eighty (80) per cent of the total sewage disposal of a population of 175,000 people flows directly into the Bay of San Diego as raw sewage, amounting to more than eight million (8,000,000) gallons daily.

San Diego

PRESENT RAW SEWAGE OUTFALL LOCATIONS IN SAN DIEGO BAY

19 37



PRESENT CONDITIONS:

The sewage of La Jolla, Pacific Beach, Point Loma, Ocean Beach, Mission Beach and San Diego at the present time flows into the Pacific Ocean and San Diego Bay through numerous outfall sewers.

The untreated sewage flowing into the ocean and San Diego Bay is objectionable and unsanitary, and tends to pollute the beaches and the waters of San Diego Bay.

The present raw sewage outfall locations in San Diego Bay are as follows, as shown on Map No. 1:

(1) McCall Street, a six (6) inch outfall sewer, discharging into San Diego Bay about three hundred (300) yards northerly from the U. S. Military Reservation on Point Loma.

(2) Carlton Street, a ten (10) inch outfall sewer, discharging into San Diego Bay about eight hundred (800) yards southwesterly from Naval Training Station.

(3) U. S. Naval Training Station, a forty-two (42) inch outfall sewer discharging into San Diego Bay southerly about five hundred (500) yards from the housing headquarters section.

(4) Marine Base, a thirty (30) inch outfall sewer, discharging into San Diego Bay southerly about eight hundred (800) yards from the housing and headquarters section.

(5) Olive Street, an eighteen (18) inch outfall sewer, discharging into San Diego Bay about nine hundred

(900) yards southwesterly from headquarters of Municipal Airport.

(6) Market Street, a twenty-four (24) inch outfall sewer discharging into San Diego Bay about five hundred (500) yards south of the area occupied by Navy Pier, Broadway Pier and Municipal Pier No. 1.

(7) "N" Street, an eight (8) inch outfall sewer discharging into San Diego Bay southerly from the City's wholesale business district and northerly from Coronado.

(8) U. S. Naval Hospital sewer, into Beardsley Street, a twenty (20) inch outfall sewer, discharging into San Diego Bay in the vicinity of wharfing section for lumber industry.

(9) U. S. Destroyer Base, foot of 32nd Street, a twenty-four (24) inch sewer, discharging into San Diego Bay southerly and contiguous to U. S. Destroyer Base.

Projected sewage collection system and disposal plant.

Based upon a careful and complete study of the sanitary requirements of an ample collecting and disposal sewage system, The City of San Diego has laid out a system of collecting, carrying and pumping units delivering the raw sewage to two properly located disposal plants where treatment will take place, and the resulting liquid effluent in a purified state will discharge into San Diego Bay without fear of contamination.

GENERAL PLANS -

The general plans of sewage collection and disposal for the various sections of the City is as follows:

LA JOLLA AND PACIFIC BEACH.

A collection sewer to intercept all possible existing and future sewer lines has been located, running from the north portion of La Jolla to the lower end of Rose Canyon. Seven (7) pumping plants, five (5) of which will be new plants, will lift the raw sewage to a suitably located treatment plant in Rose Canyon.

POINT LOMA, OCEAN BEACH, MISSION BEACH, SAN DIEGO RIVER AND
SAN DIEGO BAY REGION.

A collection sewer is located along the west side of Point Loma through Ocean Beach and Mission Beach, to a junction with the San Diego River region sewer; thence southerly to a connection with the collection sewer from the east slope of Point Loma; thence southerly along the Bay front a main trunk sewer joined by all existing laterals to the projected disposal plant at the foot of 32nd Street.

IMMEDIATE PROJECT REQUIREMENTS
ESTIMATES OF COST

LA JOLLA AND PACIFIC BEACH LINES	\$ 318,008
ROSE CANYON TREATMENT PLANT	80,000
WEST POINT LOMA	242,480
MORENA	61,498
MISSION VALLEY	335,857
SWITZER CANYON and 11TH STREET CANYON	124,600
CHOLLAS VALLEY MAIN LINES	211,808
CHOLLAS VALLEY WEST BRANCH	54,480
SOUTH CHOLLAS VALLEY	142,350
SOUTH CHOLLAS VALLEY BRANCH	20,856
VALENCIA PARK AND LAS ALTURAS LINES	51,809
EAST POINT LOMA to KURTZ STREET and TRUNK LINE SEWER, KURTZ STREET AND BARNET AVENUE TO TREATMENT PLANT NEAR 32ND STREET	179,463
SEWAGE TREATMENT PLANT NEAR FOOT OF 32ND STREET	966,115
	<u>750,000</u>
TOTAL COST CONDUITS, PUMPING AND TREATMENT PLANTS,	\$3,539,324

DETAIL OF
 ESTIMATES OF COST
 EAST POINT LOMA LINE TO PUMPING PLANT AT KURTZ
 STREET AND BARNETT AVENUE

84	lineal feet of 4"	cast iron pipe	\$	131
60	" " " 6"	" " " "		86
1271	" " " 8"	" " " "		2,649
936	" " " 8"	vitricified clay pipe		838
168	" " " 10"	cast iron pipe		333
5534	" " " 10"	vitricified clay pipe		22,403
1654	" " " 12"	" " " "		2,895
3021	" " " 15"	" " " "		7,723
37	" " " 18"	cast iron pipe		183
3665	" " " 18"	vitricified clay pipe		10,763
5346	" " " 21"	" " " "		48,432
3597	" " " 24"	" " " "		34,667
	Manholes			9,871
7415	sq. ft. pavement to be removed and replaced			2,138
2	Pump houses, complete			6,441
	Contingencies			29,910
	TOTAL,			<u>\$179,463</u>

DETAIL OF

E S T I M A T E S O F C O S T

TRUNK LINE SEWER - KURTZ STREET AND BARNETT AVENUE
TO 32ND STREET SEWER TREATMENT PLANT

2092	lineal feet of 75"	reinforced concrete pipe	\$ 64,576
8428	" " " 66"	" " " "	208,862
9014	" " " 63"	" " " "	246,000
7148	" " " 51"	" " " "	128,189
8386	" " " 45"	" " " "	109,617
2636	" " " 39"	" " " "	29,858
1104	" " " 24"	vitrified clay pipe	4,401
2732	" " " 10"	" " " "	4,098
1597	" " " "	manhole	29,544
320	" " " "	double-barrelled reinforced concrete syphon	14,382
1170	sq. ft. of 5" & 6"	pavement to be removed and replaced	351
24212	sq. ft. of 7" & 8"	pavement to be removed and replaced	9,443
1	pump plant complete	at Kurtz Street and Barnett Avenue	48,727
1	pump plant complete	at Beardsley Street	68,067
TOTAL			<u>\$966,115</u>

TREATMENT AND DISPOSAL PLANTS

ROSE CANYON.

Treatment and disposal plants have been designed for the projected Rose Canyon location, based upon a unit system, a first installation having a capacity of 850,000 gallons per day; new units to be added as the need requires up to an estimated maximum capacity of 3,500,000 gallons per day with effluent having no odor or character of contamination.

32ND STREET.

Similar treatment and disposal plants have been designed for the projected location for the foot of 32nd Street; a first installation having a capacity of

12,000,000 gallons per day; new units to be added as the need requires, up to an estimated maximum capacity of 40,000,000 gallons per day with effluent having no odor or character of contamination.



ERICHSON
37
16-470-2

U. S. NAVAL ACTIVITIES
AROUND
S A N D I E G O B A Y.

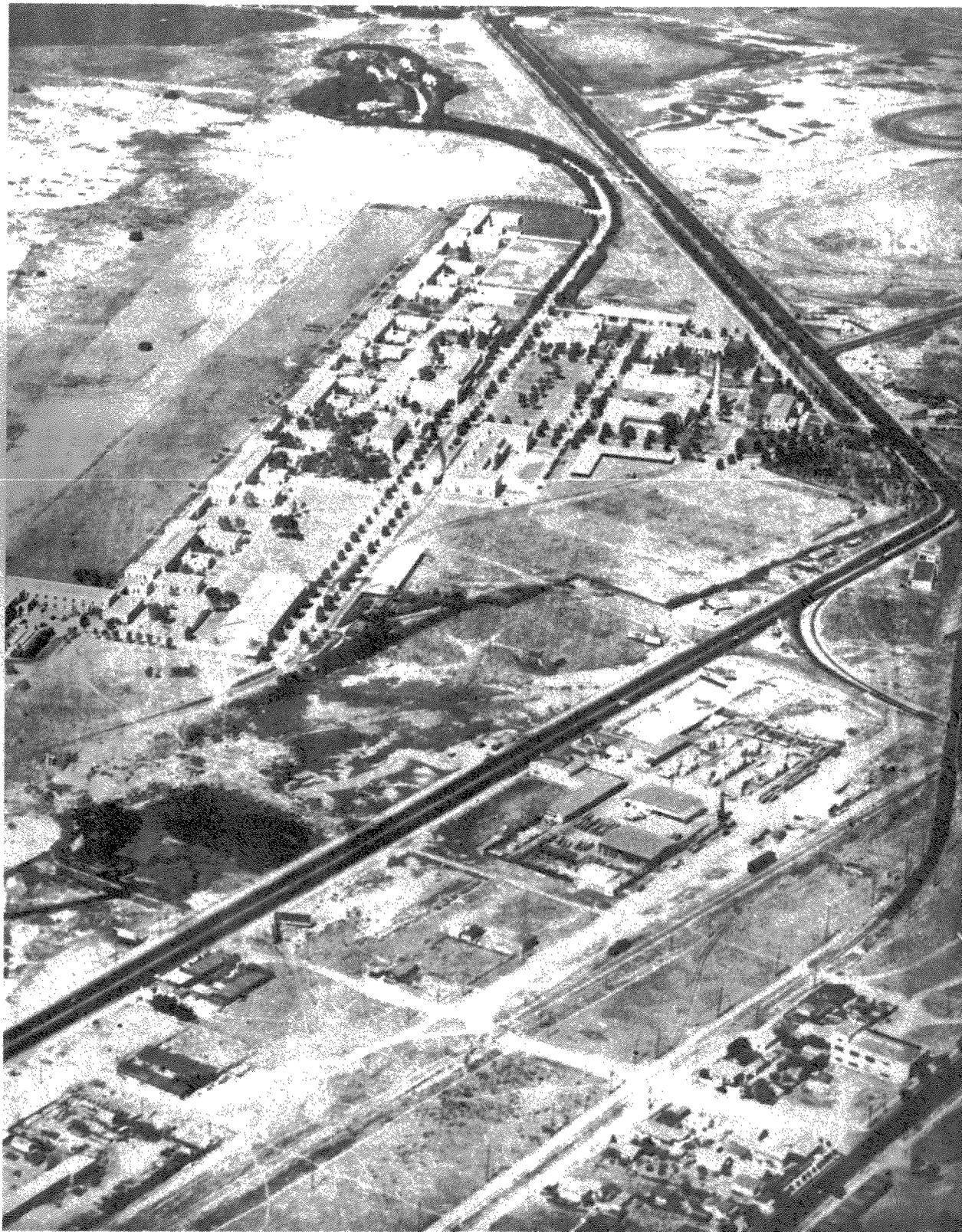
1. U. S. NAVAL FUEL DEPOT
2. U. S. NAVAL TRAINING STATION
3. U. S. MARINE BASE
4. CONSOLIDATED AIRCRAFT
5. MUNICIPAL AIRPORT - LINDBERGH FIELD
6. U. S. COAST GUARD BASE - AVIATION
7. U. S. NAVY AIR STATION
8. U. S. NAVY PIER
9. U. S. NAVY FIELD - RECREATION
10. U. S. NAVY DESTROYER BASE
11. U. S. NAVAL HOSPITAL

NAVAL AIR STATION

Cost \$9,594,400.00

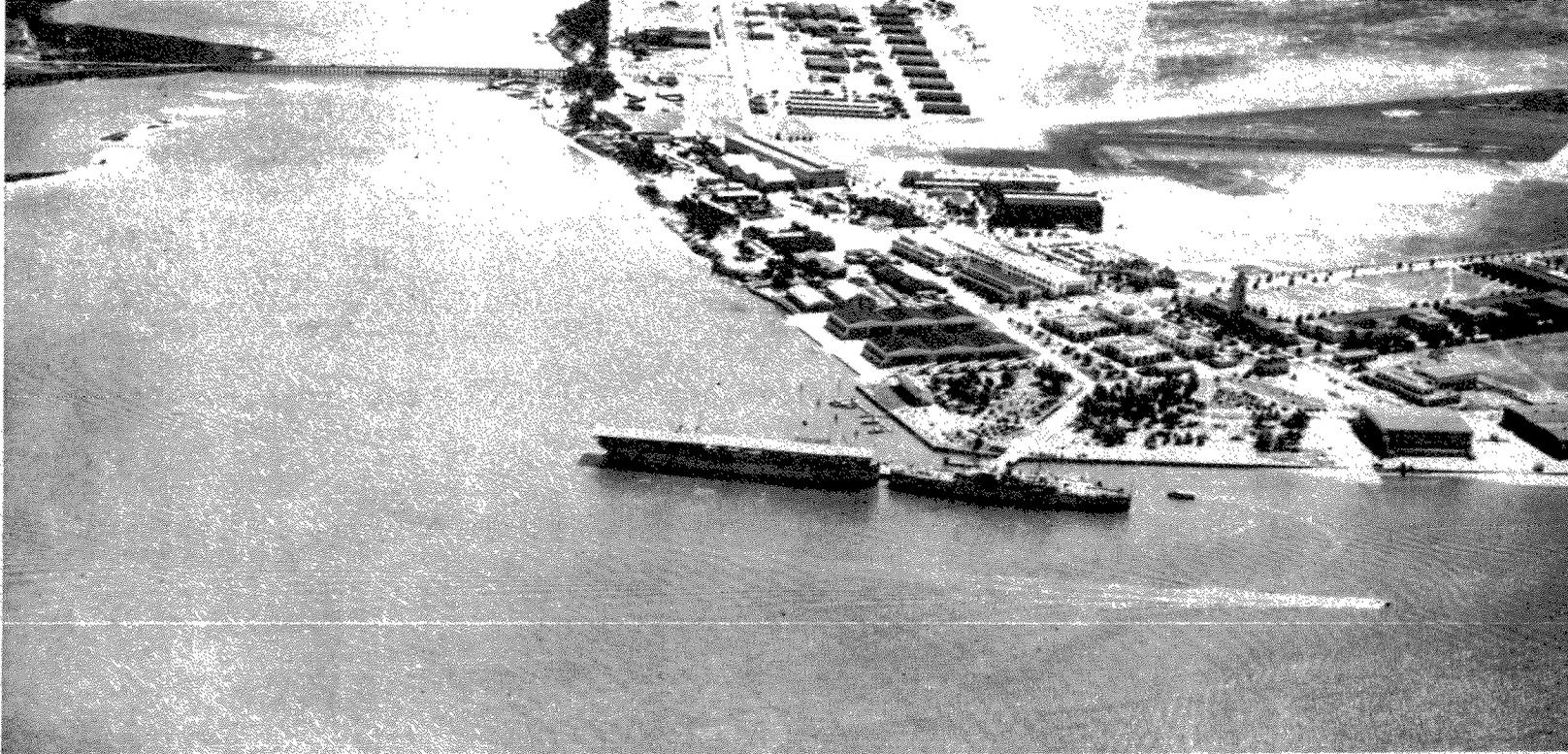
Recommended \$4,022,000.00





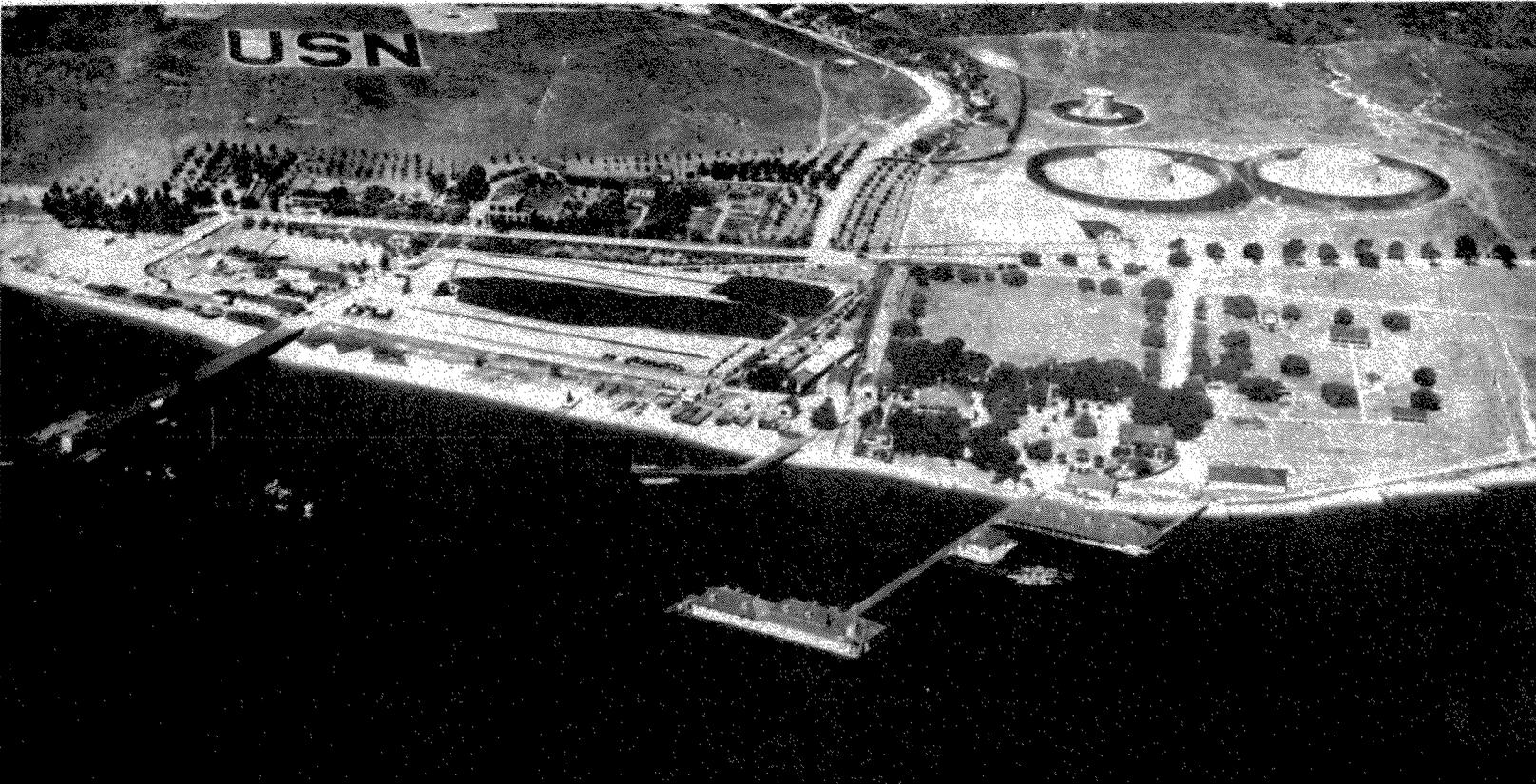
MARINE CORPS BASE

Area 755 acres
Number of Buildings 40
Cost of improvements \$4,588,314.00



NAVAL AIR STATION

Area	1,970 acres
Number of Buildings	252
Cost of Improvements and Land	\$15,304,995.00



NAVAL FUEL DEPOT

Area	241 acres
Number of Buildings	44
Cost of Improvements	\$1,124,070.00



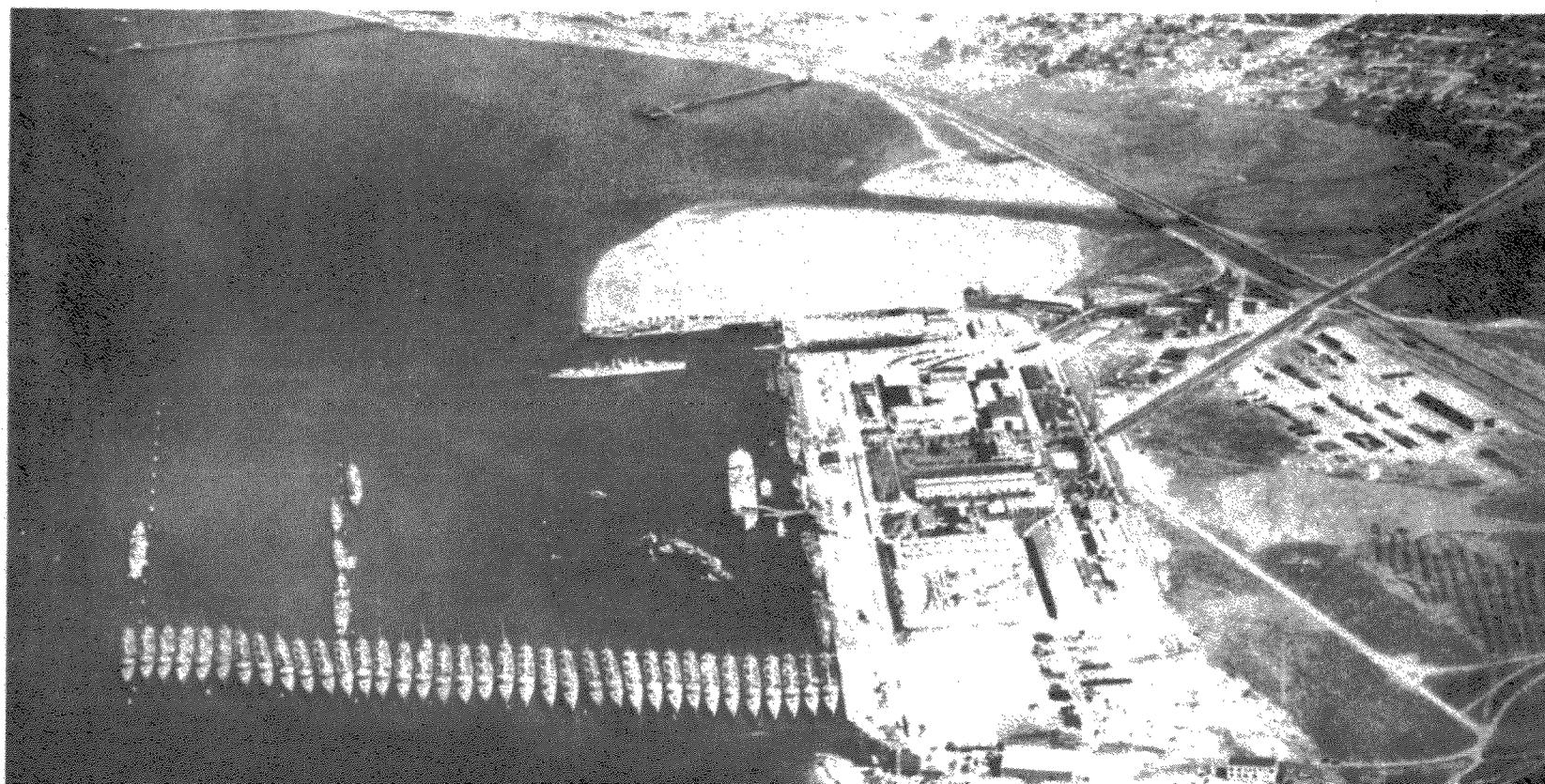
NAVAL TRAINING STATION

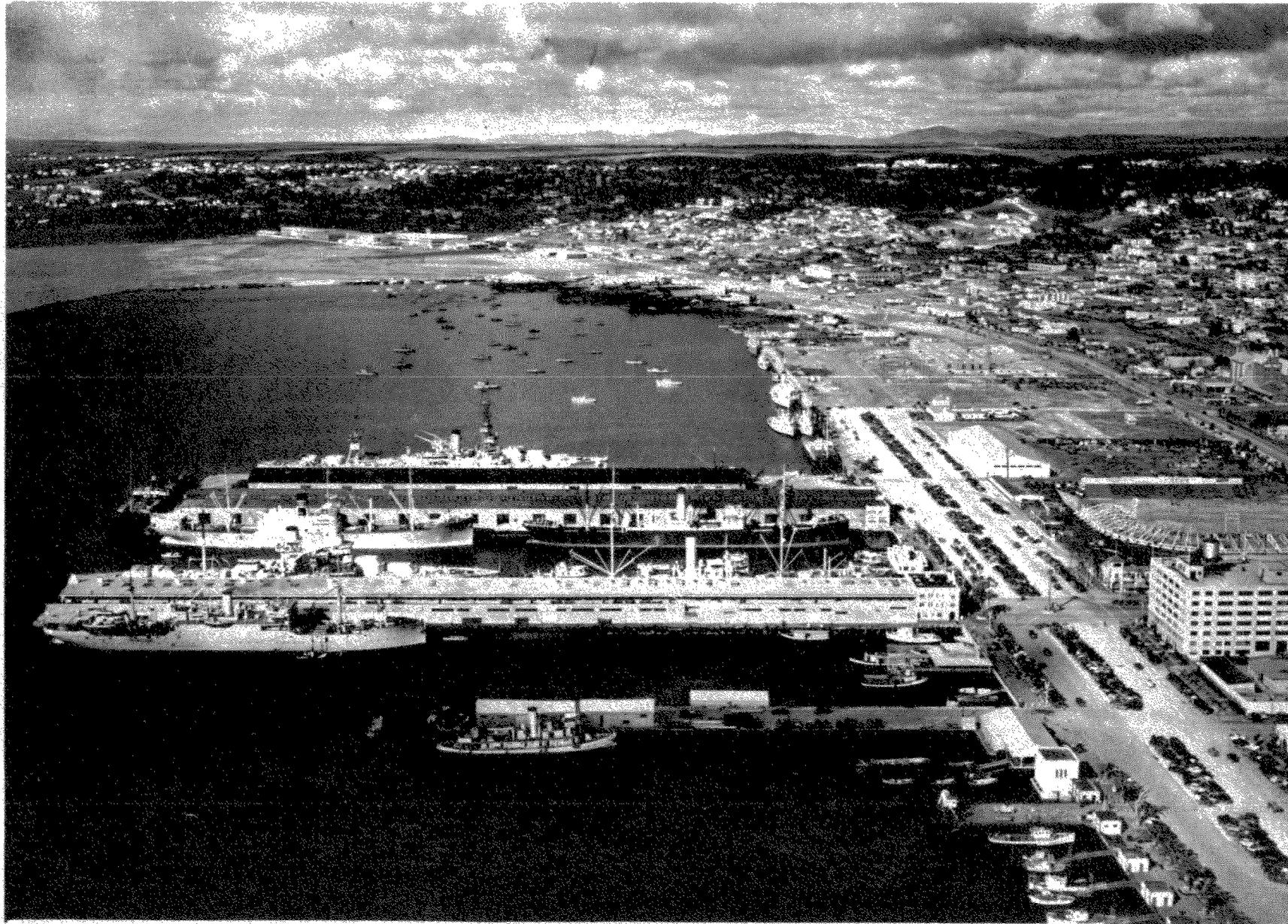
Area	373 acres
Number of Buildings	47
Cost of Improvements	\$4,143,833.00

DESTROYER BASE

Area	94.7 acres
Number of Buildings	31
Cost of Improvements	\$3,252,801.00

Major equipment in operation includes a 2500-ton marine railway; a 25-ton floating crane; and a 2500-ton floating drydock.





ELEVENTH NAVAL HEADQUARTERS'
BUILDING

MUNICIPAL PIER
BROADWAY PIER
NAVAL PIER

The accommodations of San
Diego Harbor are among
the best.



GOVERNMENT ACTIVITIES
ADJACENT TO
SAN DIEGO HARBOR

Prominently important San Diego stands out as a unit of the National Defense.

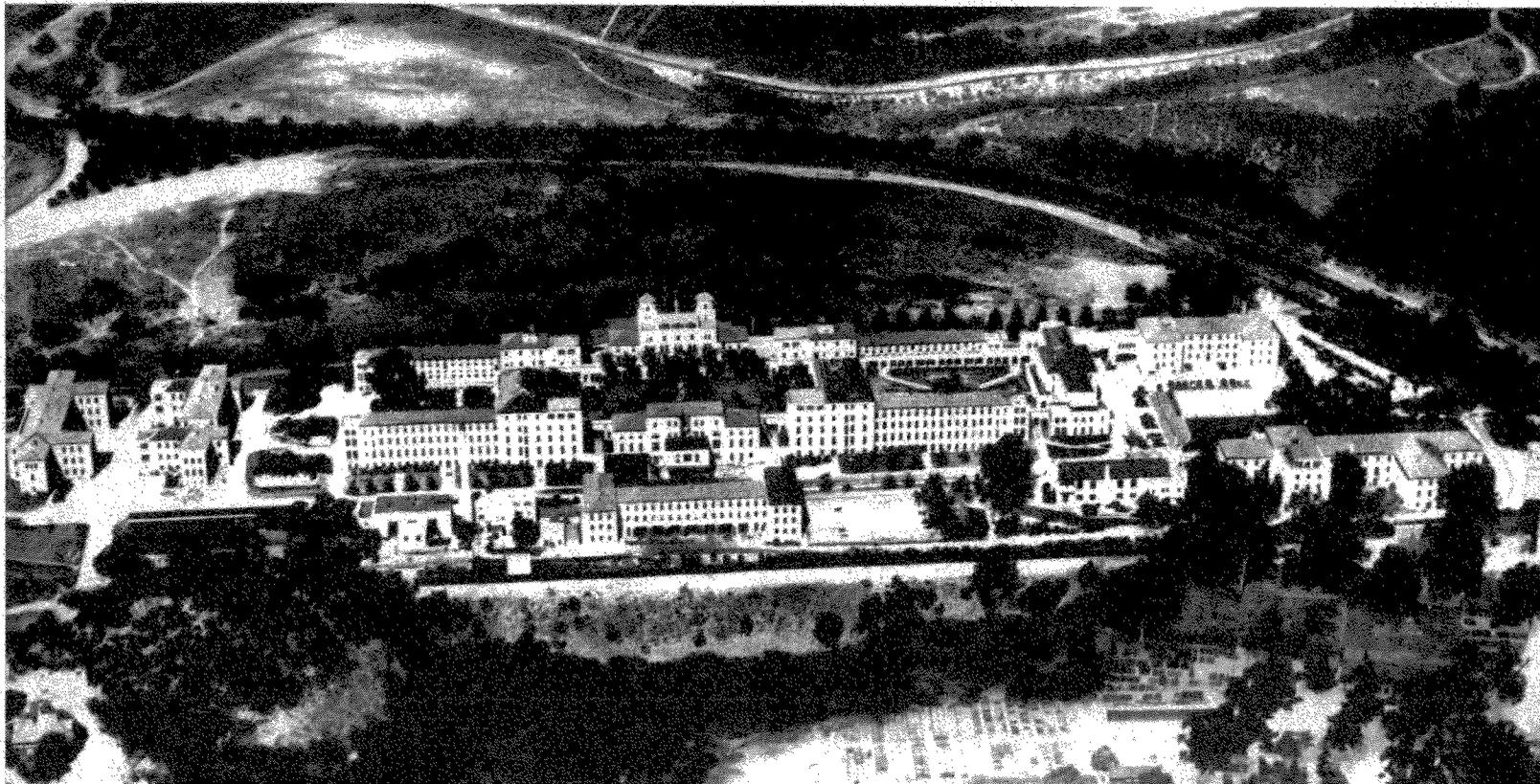
Naval shore units occupy the choice locations in the Harbor.

NAVAL SUPPLY DEPOT

Area	7.31 acres
Number of Buildings	10
Cost of improvements,	\$1,030,289.00

NAVAL HOSPITAL

Area	22.5 acres
Number of Buildings	37
Number of beds now	723
Number of beds in new housing	44
Cost of improvements	\$3,554,484.00





Few Ports offer the conveniences
found in San Diego Harbor.

Left to right: Municipal Pier No. 1
Broadway Pier
Navy Pier



LINDBERGH FIELD

First unit of Airport	143 acres
Cost City by bond issue	\$ 650,000.00
Present area	175 acres
Total cost U.S. Government and City of San Diego	\$1,200,000.00
When airport is completed	352 acres

U. S. COAST GUARD

Area	11.5 acres
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CONSOLIDATED AIRCRAFT CORPORATION

Lease	30 acres
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Largest airplane manufacturing organization in U.S.A.

T.C.RYAN AERONAUTICAL COMPANY
and
SOLAR AIRCRAFT COMPANY

Are now building planes and parts on Lindbergh Field.

PROJECTED SEWAGE COLLECTING SYSTEM

AND DISPOSAL PLANT FOR CITY OF SAN DIEGO

— TRUNK LINES
○ PUMPING PLANTS
■ TREATMENT PLANTS
1937

