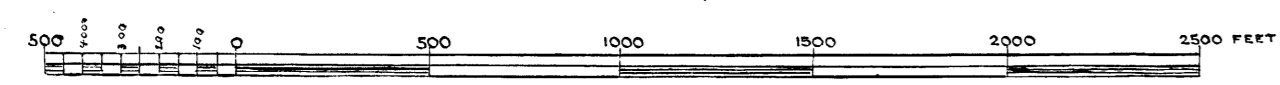


HAWAIIAN ISLANDS.
SOUTH COAST OF OAHU
**BAR AND ENTRANCE
TO
PEARL LOCHS**

SCALE: One Inch—Five Hundred Feet.



Surveyed by Officers of U.S.S. Bennington
Comdr. H.E. Nichols, U.S.N. Commanding.
1897.

Shoreline and Topography from Records in
Hawaiian Government Survey Office.

PUULOA Δ Lat. 21° 19' 15" N. Long. 157° 28' 25" W.

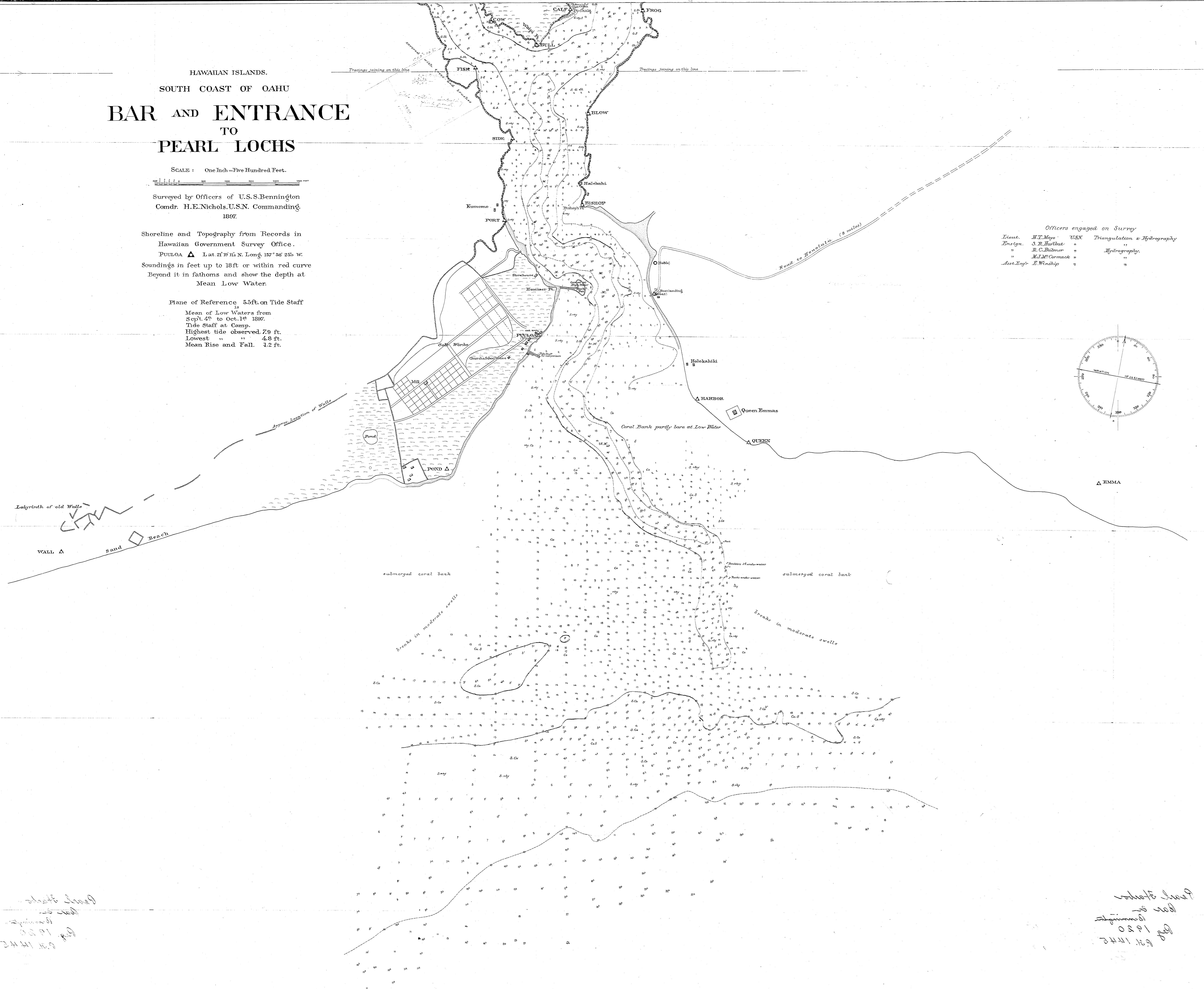
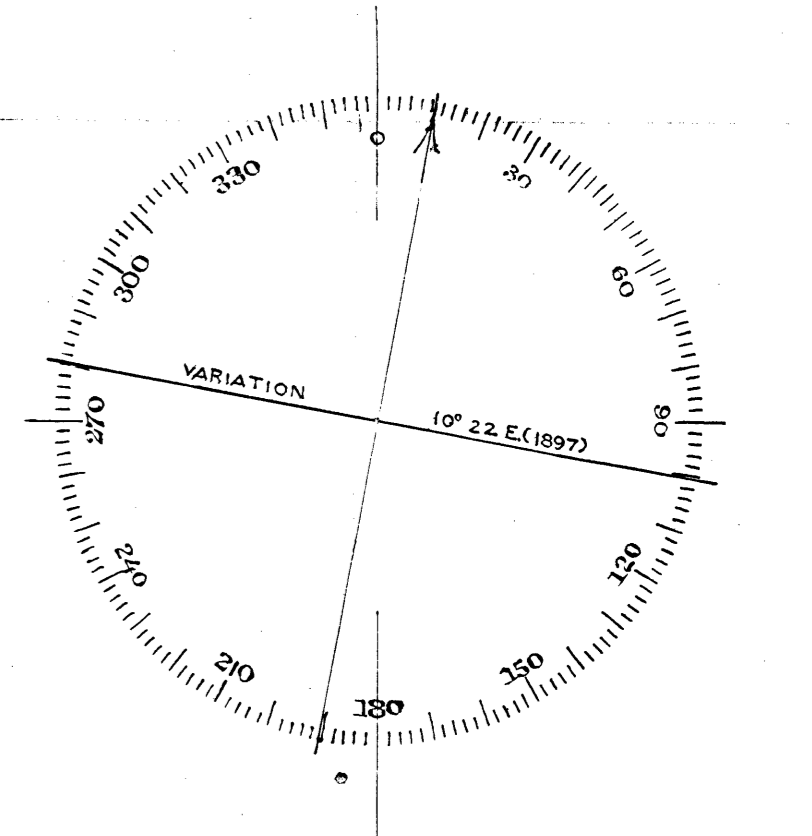
Soundings in feet up to 18 ft or within red curve
Beyond it in fathoms and show the depth at
Mean Low Water.

Plane of Reference 5.5 ft. on Tide Staff

Mean of Low Waters from
Sept. 4th to Oct. 1st 1897.
Tide Staff at Camp.
Highest tide observed 7.9 ft.
Lowest " " 4.8 ft.
Mean Rise and Fall 1.2 ft.

Officers engaged on Survey

Lieut.	H.T. Mayo	USN	Triangulation & Hydrography
Ensign	S.F. Hulbert	"	"
"	R.C. Palmer	"	Hydrography
"	M.J.M. Carmack	"	"
Asst. Engr.	E. Winship	"	"



Handwritten notes:
Pearl Lochs
1897
H.E. Nichols

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