

2115

Diag. Cht. No. 5530-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. _____ Office No. H-2115

LOCALITY

State CALIFORNIA

General locality SAN FRANCISCO BAY

Locality SPEED COURSE

1891 / 1892

CHIEF OF PARTY

Lt. D. Delahanty, U. S. N.

LIBRARY & ARCHIVES

DATE _____

B-1870-1 (1)

2115

With Hyd Sheet 2115

Speed Corner in San Francisco Bay - California
Description and Location of Range Signals

South Range Δ

This signal is a tripod erected on the North end of the hill immediately back of Hunter's Point, at an elevation of about 200 feet.

Below the center of the tripod a bottle was buried about 18 inches, and a peg driven close alongside.

Latitude $37^{\circ} 43' 34.55''$	$\left. \begin{array}{l} \text{Sec. in Meters} \\ 1065.2 \end{array} \right\}$	Longitude $122^{\circ} 22' 08.57''$	$\left. \begin{array}{l} \text{Sec. in Meters} \\ 209.8 \end{array} \right\}$
Azimuth of Hunter's Point Chimney Δ		$84^{\circ} 34' 28''$	
Distance " " " "		815.86 Meters	

North Range Δ

This signal is a tripod erected on the top of the hill, immediately back of the Tubbs Cordage Co's Works, at an elevation of about 400 feet. It is on the block bounded by Connecticut & Arkansas Sts., Lima & Nevada Sts.

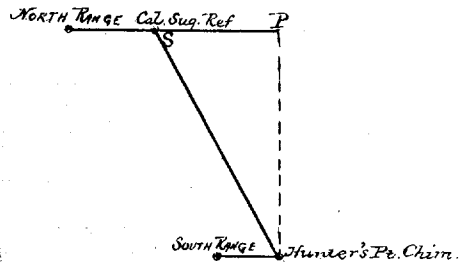
Below the center of the tripod a bottle was buried about 2 feet, and a peg driven close alongside.

Three witness pegs were driven 6 feet from the center, one bearing East, one South and one West.

Latitude $37^{\circ} 45' 44.67''$	$\left. \begin{array}{l} \text{Sec. in Meters} \\ 452.3 \end{array} \right\}$	Longitude $122^{\circ} 23' 50.00''$	$\left. \begin{array}{l} \text{Sec. in Meters} \\ 1225.7 \end{array} \right\}$
Azimuth of Cala. Sugar Refinery Chimney Δ		$84^{\circ} 34' 28''$	
Distance " " " "		1164.1 Meters	

Speed Course in San Francisco Bay

Computation of Length of course between Ranges



	Latitude	" in Meters	Longitude	" in Meters
Hunter's Point Chimney	37° 43' - 37.05"	1142.3	122° 21' - 33.40"	866.9
Cal. Sugar Refinery Chimney	37° 45' - 18.24"	562.3	122° 22' - 02.75"	67.3
Azimuth of line H.S.	145° 34' 08"			
Azimuth of Ranges	84° 34' 28"			
Distance H.S.	3782.25 Meters			

Azimuth H.S.	145° - 34' 08"		
Azimuth of Ranges	84° - 34' 28"		
Angle H.S.P	60° - 59' 40"	Log Sin.	9.94180
Distance H.S.	3782.25 Meters	Log	3.57775
Length of Course	3307.85 Meters	Log	3.51955
One Nautical Mile = 1853.248 Meters		Log	3.26794
1.78488 Miles		Log	0.25161
Length of line between Ranges	3307.85 Meters =		1.78488 Nautical Miles

Respectfully submitted

J. R. English
Lieutenant U.S.N.