1150

Diag. Cht. No. 5602-1

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

~~Topographic~~
Hydrographic } Sheet No. H1150

State CALIFORNIA

LOCALITY

Blunts Reef

Off Cape Mendocino

1872

CHIEF OF PARTY

G. Bradford

U. S. GOVERNMENT PRINTING OFFICE: 1934

(Copy)

U.S. Schr. "Marcy".
San Francisco. Cal.
Jan. 8th 1873.

Sir:-

I beg leave to submit the following, supplementary to my report for past year dated Nov. 6th, 1873, in which I stated that it was proposed to station an observer at Cape Mendocino Lt. ho, during the stormiest part of the winter season, to watch for breaks and locate them. In pursuance of this idea, and with the approval of Assistant Davidson, in charge Pacific Coast, I detailed Mr. F. Westdahl for the duty, and I feel assured that he has exercised due diligence in the performance of it.

He remained at the Lt. house from Nov. 23d to Dec. 14th, and during that time had two days, when the atmosphere was clear enough to give a good view of the reef, and the swell probably as high as it ever is, at least, such was the opinion of the people attached to the Lt. house and others. To explain the discoveries made, I send a tracing of the locality, showing the breaks seen, with their appearance; whether sharp and well defined, or like the general toppling over of the

ground-swell in shoalish water, as from 5 to 8 fathoms, with irregular bottom, also two sailing lines, the inner one that originally given, the outer one that which I would now recommend for the use of vessels, until the rocks causing the breaks just discovered can be sounded upon, and their positions accurately determined from the water, which could readily be done, with a steam-vessel such as was used in the survey, with the help of the observations already carefully taken by Mr. Westdahl, in most cases from three, different known points on shore. The most dangerous of the breaks is that lying S.W. 3/4 W. 1.7 mile from the Lt-ho, and one fifth of a mile to Eastward of the inner sailing-line, and will need a special examination.

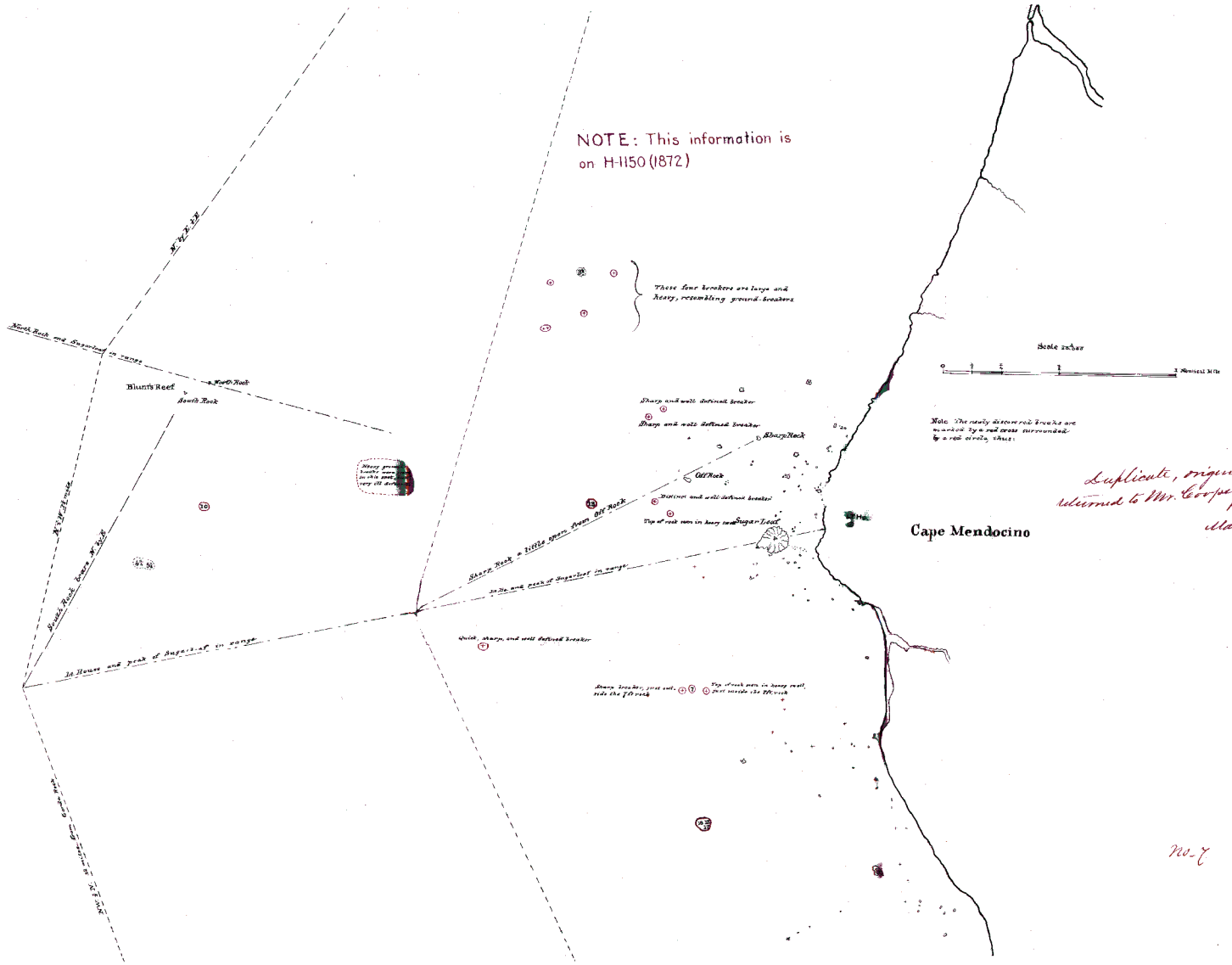
The distance by the outer sailing line is but one mile greater than that by the inner line in the run from Point Gorda to Cape Fortunas of about 18 miles, the principal advantages of the inside passage being smoother water, and a probably weaker opposing current. The working-sheets and records of this, and of the Trinidad Harbor survey are now ready, and

will be forwarded at once.

Yours very Respectfully
(signed.) Gershom Bradford.
Assist. Coast Survey.

Prof. Benjamin Peirce.
Supt. U.S. Coast Survey.

NOTE: This information is on H-1150 (1872)



Duplicate, original returned to Mr. Cooper Br. March 1/94.

No. 7