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U. S. Coast and Geodetic Survey
NOV 21 1887
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U. S. COAST AND GEODETIC SURVEY.

F. M. Thom, Superintendent.

State:

DESCRIPTIVE REPORT.

Hyde Sheet No. 1722-1723

LOCALITY:

Tillamook Bay & Vic.

1887.

CHIEF OF PARTY:

Lt. J. C. Burnett U.S.N.

Clifton Ack. Descriptive Report 12.

☞ Give here full address to which reply should be sent: Oakland, Cal

U.S. COAST & GEODETIC SURVEY NOV 16 1887 HYD'C INSP'S OFFICE

U. S. COAST & GEODETIC SURVEY NOV 17 1887 SUPERINTENDENT'S OFFICE

U. S. Coast and Geodetic Survey, Steamer McArthur

Oakland, Cal

November 7th, 1887.

Mr T. M. Thorn

Superintendent U.S.C.&G. Survey

Washington D.C.

Sir;

I have the honor to submit the following report relating to the survey of Tillamook Bay & vicinity; At present there is but one channel across the bar; it is straight but narrow, and being subject to change the greatest care is necessary. Strangers should never attempt to enter without a pilot. Vessels drawing fifteen feet can enter at high water, if the bar is smooth. There are no harbor improvements in progress. The best anchorage is South of Sow & Pigs rock in 3 fathoms water, hard sandy bottom, poor holding ground. There are two small steamers which enter the port at irregular intervals. Inside, the tidal current runs fair with the channels and varies in force from 2½ to 3½ knots, being strongest on the ebb. During our

day, May 1st to 31st, the wind blew almost steadily from the NW, and there was a strong S.E current along the coast and across the bar. Pilots say, that during the winter months, when the prevailing wind is from the South, the current runs with equal force to the N.

Range rock, bearing E.N.E from the Farewell buoy, is one of the marks used by pilots in entering the harbor. The top of it is kept white so that it is easily recognized. Leaving the Farewell buoy to the S., keep Range rock in line with gable on south end of house, a lone dead tree being just open to the South. When over the bar, pass between Nos 1 & 2 buoys and when abreast the latter, change course to ESE½E until Green Hill is abeam, when haul gradually to the S. and anchor one cables length to the S. of Sow and Pigs rocks in 3 fathoms water.

Very respectfully
J. C. Donnelly
Lieut U.S.N Comdg