

2691

83
SMA
2691

Diag. Ch. No. 1211-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Sheet No. 269

LOCALITY:

Draftsmen's Rept Only

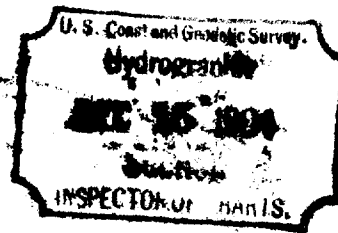
190

CHIEF OF PARTY:

U.S. COAST AND GEODETIC SURVEY
LIBRARY AND ARCHIVES

2691

Report
Hydrographic Sheet
No. 2691.
Point Judith,
Harbor of Refuge,
R. I.
John Ross, N.E.
1904.



The soundings cross well as a rule. There is some doubt about the location of 9b position, owing to the method of holding the position while the boat was turning, and starting back to shore without taking a new set of angles.

F. C. Donn. (Signed).

In order to get the best results from the use of the drag it should be set at such a depth that it will indicate the position of all shoals of less depth than the minimum critical depth of the channel, anchorage or area considered.

These shoals are to be examined for least water, their general limits should be determined with the lead and the least water found marked with buoys, then the drag should be used and set for a depth only slightly less than the minimum sounding taken. In some cases it may have to be deeper; generally, however, it should not be less than 1/2 to 1 ft. shoaler than the least sounding taken.

At $\sqrt[3]{f}$ a minimum sounding of 19.8 ft. was obtained with the lead; the drag was then set at 15 ft. and used for 30 minutes without striking. At the end of the search ^{at} the entry. "Stopped drag at 10.45. No indication of shoaler water than shown in sounding line." A conclusion not warranted by the record of the examination.

It appears from the errors found that the reduced soundings were not verified.

9/28/04.

J. T. Watkins. (Signed).