

Exhibit A

The R/V CAPE HATTERAS, operated by the applicant, performs a variety of research projects funded by the National Science Foundation and public and private universities. The vessel is a 135 foot steel-hulled oceanographic research vessel classed by the American Bureau of Shipping and owned by the National Science Foundation. It is operated by the applicant under a renewable 5-year Charter Party Agreement.

The research that is conducted includes seismic surveying, SCUBA diving, water sampling, deployment and retrieval of experiments, and core sampling. This research occurs year round and covers a geographic area from Nova Scotia to Bermuda and Brazil and all areas west to the coast. By UNOLS convention, the vessel must be contacted daily for situation reports. Communications also occurs periodically to transmit information concerning repairs, schedule changes and other information pertinent to vessel operations. In addition, the ability to transmit scientific data is needed so that reports do not have to be copied from voice to hard copy, which can introduce numerous errors, but can be transmitted directly to computer memory.

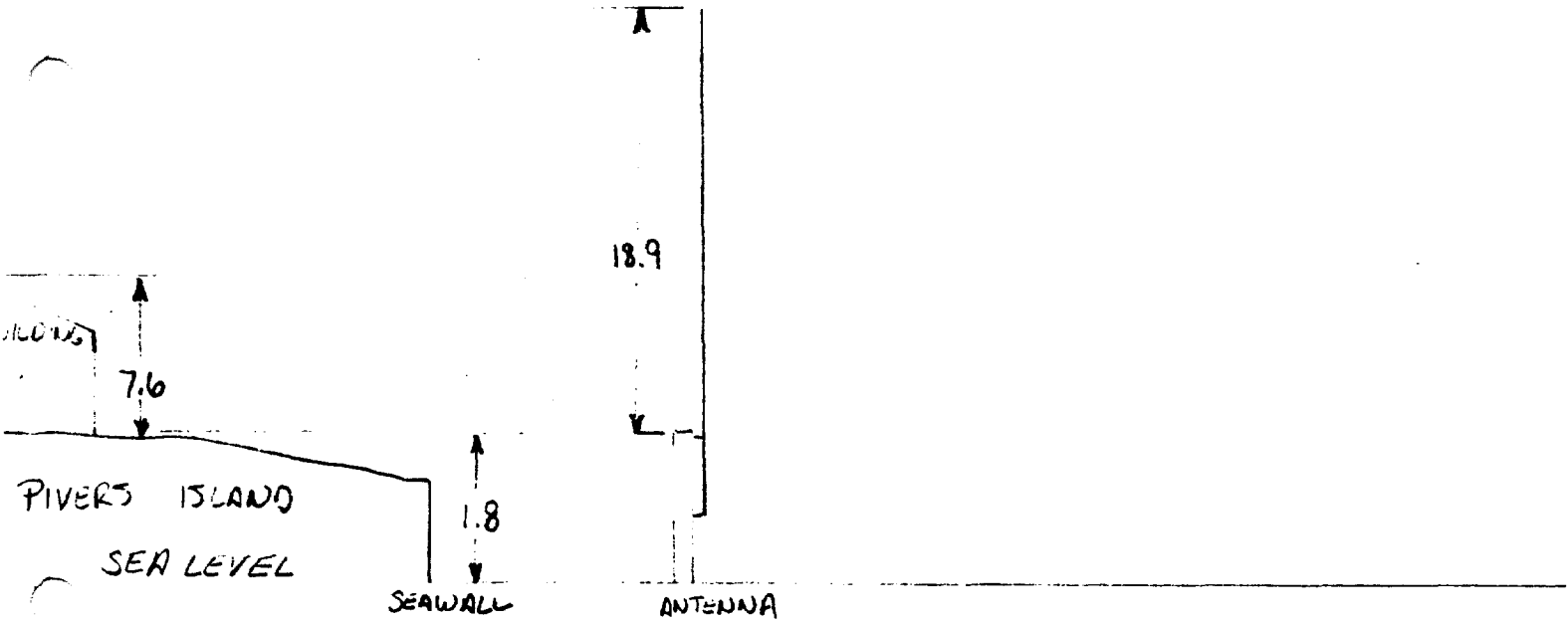
Applicant has found that communications is often not possible on the frequencies now authorized due to propagation conditions. Accordingly, applicant requests authorization for an additional channel at 9930.1 kHz. If this channel cannot be authorized, applicant will accept authorization for an alternate channel in the same range.



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ALL MEASUREMENTS IN METERS

EXHIBIT B

Frequencies Requested (kHz)

<u>Carrier</u>	<u>Assigned</u>	<u>Time</u>
4538.6	4540.0	Night
5074.6	5076.0	Night
6858.1	6859.5	Night
7549.1	7550.6	Day
7697.1	7698.5	Day
9930.1	9931.5	Day