

## 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 under a renewable 5 year Charter Party Agreement by the applicant.

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 to Brazil and all areas west to the coast. By UNOLS convention, the vessel must be contacted daily for situation reports. Communication 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, but can be transmitted directly to computer memory.

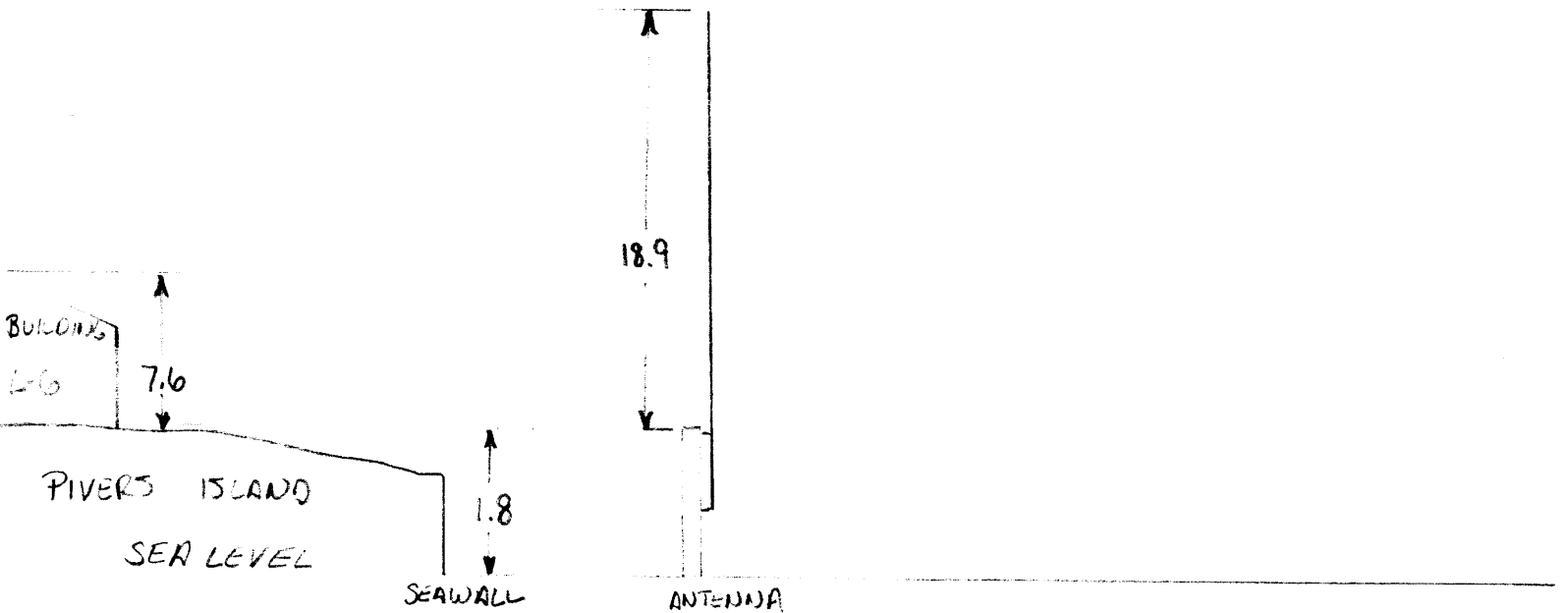
Presently, any lengthy report must be transmitted by voice, which can be difficult to transpose quickly and subsequently delays other voice traffic. In addition voice communication is not always possible due to time of day and atmospheric conditions. Data transmission is not necessarily affected to the same degree, and the ability to transmit data would greatly enhance our communications ability.



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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	7550.5	Day
7697.1	7698.5	Day