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Proposal for the Construction of a Towing Tank at the University of British Columbia

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Towing tanks are common place at educational institutions that perform research and education in the field of ship hydrodynamics, however, the University of British Columbia does not currently have a towing tank, leaving the professors and students without a critical piece of equipment.

This proposal will provide an argument for the construction of a towing tank at the Point Grey Campus of the University of British Columbia, quantifying the immediate need for a towing tank.

Background

The University of British Columbia (UBC) Pont Grey campus previously was home to the BC Ocean Engineering Centre (OEC), which housed two 67 metre long towing tanks [3]. The towing tank at the OEC was constructed in 1976, housing a cost-effective towing tank that was small and more cost effective than the towing tanks operated at larger institutions [2]. The BC OEC was in operation for ?? years before being closed and the facility deconstructed to make way for ???.

Current Availability of Towing Tanks

Towing Tanks are common place throughout academia and government organizations, however Canada is only home to one towing tank, located at Memorial University (MUN) in St. John’s Newfoundland, operated by the National Research Council of Canada (NRC). The NRC towing tank is a large towing tank at 200 metres in length and capable of testing ship models up to 10 metres in length [NRC]. The United States is home to

Conclusion

To conclude, I urge you to strongly consider this Proposal for the Construction of a Towing Tank at the University of British Columbia, a critical piece of equipment for UBC Naval Architecture and Marine Engineering.