



Client

Rio Tinto Alcan

Vessel Type

Panamax Bulk Carriers, ASD Tugs

Location

Port Alfred, Quebec, Canada

Tugboat Evaluation Project

The Maritime Simulation and Resource Centre (MSRC) was mandated by Rio Tinto Alcan to conduct simulations designed to determine the realistic bollard pull requirement for a replacement tugboat at the Port Alfred facilities.

The MSRC developed a geographic database for the site, integrating the currents used for the simulations.

For the needs of this study, a series of manoeuvres were carried out using the navigation simulator.

The full mission bridge simulator was used to represent the ship, while the tug was represented by one of the other three bridges.

