



Amphibex

Over the years, the number of large dredging projects has decreased considerably in the Great Lakes and throughout the world. An era of smaller, more complicated projects has arisen. Infrastructure and shallow water projects are becoming the most important source of revenue for the dredging industry. Unfortunately, most of these projects cannot be undertaken due to a lack of adequate technologies. The promoters of these projects have few alternatives to carry out the projects.

In light of these facts, Normrock Industries Inc. developed an amphibious dredge specifically designed for shallow waters and other complicated projects where conventional technologies do not work.



The Amphibex amphibious dredge in Scarborough Bluffs (1995)

The Amphibex was tested in Scarborough (Ontario, Canada) in the spring and summer of 1995 by the Remediation Technologies Program of Environment Canada's Great Lakes 2000 Cleanup Fund. It was subsequently used by Atlas Specialty Steels during the first Canadian contaminated sediment remediation project on the Welland River between September and December 1995 when approximately 10,000 m³ of mill-scale contaminated sediment was pumped from the river to a treatment facility.



Environment Canada
Environnement Canada



Great Lakes 2000
Cleanup Fund

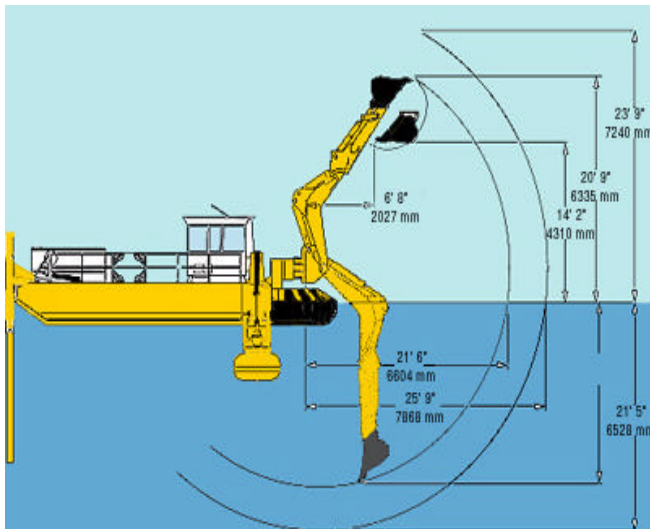


The Amphibex can be equipped with the following :

- 3 m wide rake for debris removal
- Conventional bucket for mechanical dredging
- Telescopic stick in order to work in water depths up to 6 m
- Environmental hydraulic bucket equipped with two 10 cm pumps that each provide a maximum flow of 150 L/sec with minimal sediment re-suspension
- Positioning system for more accuracy during more sensitive projects.

The Amphibex is probably one of the most versatile pieces of equipment available. From summer dredging to winter preventive ice breaking, this small portable amphibious excavator will easily perform shoreline stabilization, debris removal, water intake and outfall placement better and more cost efficiently than conventional technologies. The use of the Amphibex also minimizes site disturbance during mobilization and demobilization.

For more information :



Schematic of the Amphibex

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