



**HARBOUR
WATER BARRIERS[®]**

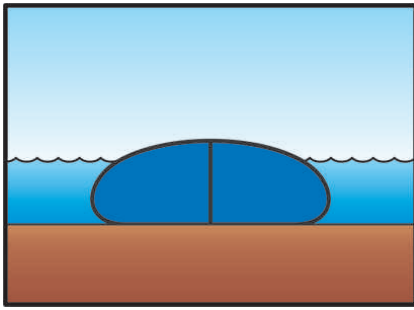


SYSTEMS INTEGRATOR OF

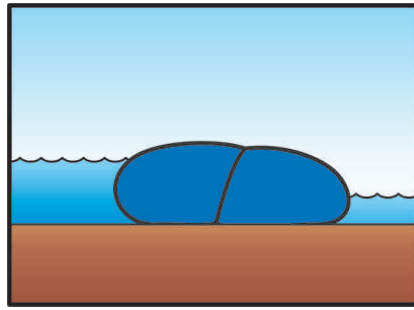


**AN ESSENTIAL PIECE OF YOUR
DE-WATERING PROJECT**

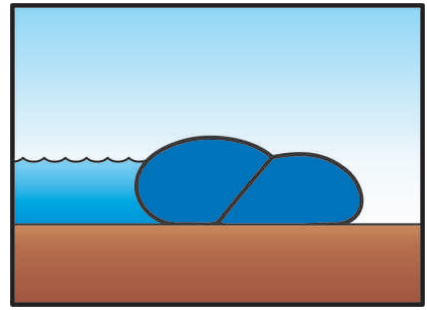
AQUA-BARRIER® IS A WATER FILLED DAM UNIQUELY DESIGNED WITH AN INNER RESTRAINT BAFFLE FOR SAFETY AND STABILITY



System prior to dewatering worksite

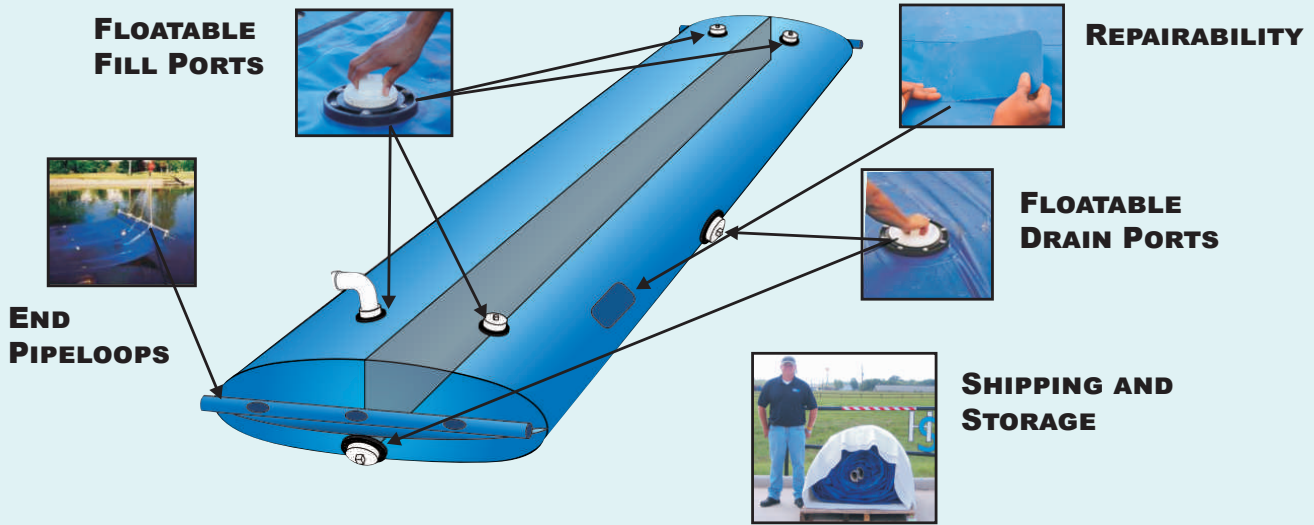


Baffle shifts to stabilize system



Dewatered worksite; baffle has stabilized the system

AQUA-BARRIER® OFFERS UNIQUE ACCESSORIES TO FACILITATE INFIELD USE



AQUA-BARRIERS® COME IN MULTIPLE SIZES TO MEET ALL YOUR DEWATERING NEEDS

Inflated Height in Feet	Maximum Controllable Water and Sediment Depth in Feet	Gallons per Linear Foot	Inflated Width (ft/m)	Overlap Length (ft)
2	1.5	56	4.5	3
3	2.25	131	6.75	4.5
4*	3	225	9	6
5	3.75	352	11.25	7.5
6*	4.50	506	13.5	9
7	5.25	688	15.75	10.5
8*	6	901	18	12

*Available To Rent. All Sizes Available For Purchase. 1ft Barrier ideal for Residential Usage Available Also.

*The depth of water represents 75% of the inflated height of a fully inflated Aqua-Barrier®. It is required that a minimum 25% freeboard (portion of barrier above water level) inflated capacity be maintained during all phases of a project. Excess slopes and grades, soil composition, moving water, and other related hydrological criteria may increase or decrease the ability of the Aqua-Barrier® to perform as projected.

LEASE OR PURCHASE



PH:519-971-2552

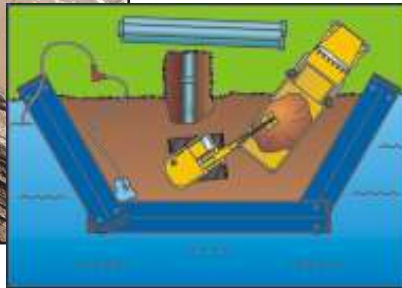
www.harbourwaterbarriers.com
sales@harbourwaterbarriers.com

PIPELINE INSTALLATION & REPAIR

Pipeline repair or replacement projects can be complex particularly when water is present. We understand that pipeline repairs often require completion in a short time frame. Aqua-Barriers® provide the fastest cofferdam method available. The next time that you are confronted with a temporary cofferdam need, let us save you time and money.

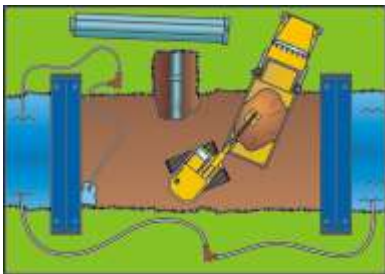


A **COMPLETE ENCLOSURE FORMATION** is beneficial when access to the shoreline is difficult or when a large amount of linear footage is required to reach your work area in the water.



The **PARTIAL BLOCK FORMATION** is advantageous when projects are located in moving water, and it is not feasible to use a pipe diversion or a water pump to maintain upstream water levels.

The **CANAL BLOCK FORMATION** is beneficial when working in narrow channels because the system requires only one installation and removal. Water pumps can be utilized to maintain appropriate upstream water levels.

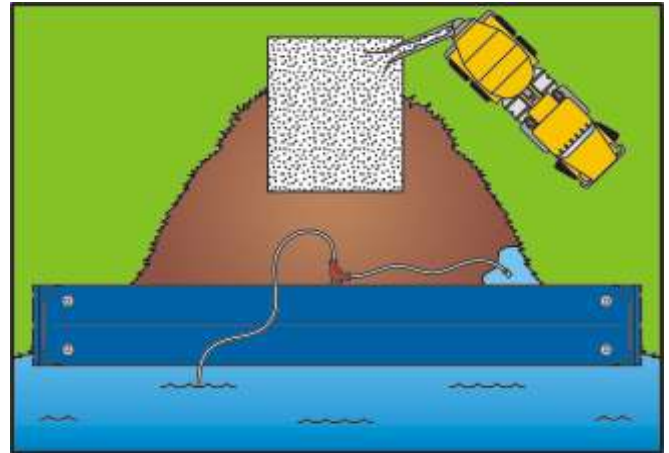


BOAT RAMP INSTALLATIONS

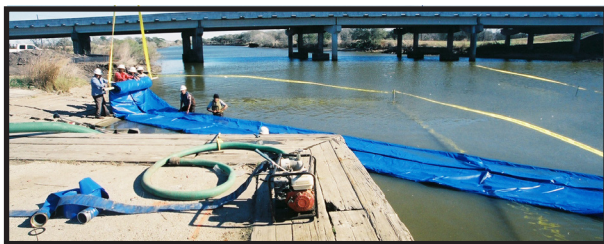
Boat ramp construction often provides unique challenges, because it is necessary to remove the existing water prior to installing the ramp. Aqua-Barriers® provide a cost effective temporary dam for this type of project.



A **THREE SIDED FORMATION** is utilized when the shoreline is straight and ample work area is required.



A **STRAIGHT SHORELINE FORMATION** is preferred when work area is located in a recessed cove.

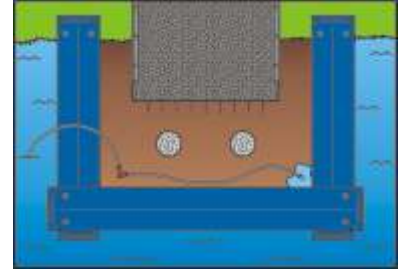


BRIDGE CONSTRUCTION

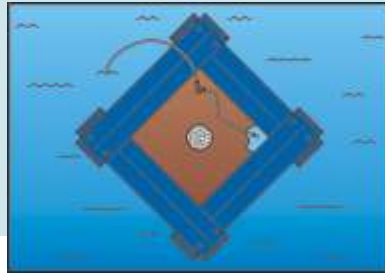
When a bridge is needed, water is usually the cause. Our Aqua-Barrier® system can be used in a number of ways to facilitate your cofferdam requirements. Whether it is creating a dry working environment by completely diverting the waterway or by diverting water around individual piers, HWB Inc. can help you solve your dewatering needs.



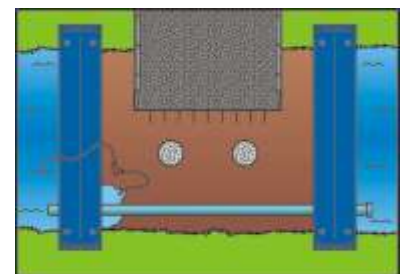
The **PARTIAL BLOCK FORMATION** is advantageous when projects are located in moving water and it is not feasible to use a pipe diversion or a water pump to maintain upstream water levels.



A **COMPLETE ENCLOSURE FORMATION** is beneficial when access to the shoreline is difficult or when a large amount of linear footage is required to reach the work area in the water.



The **CANAL BLOCK FORMATION** is useful when working in narrow streams because the system requires only one installation and removal. A diversion pipe can be utilized to maintain appropriate upstream water levels.

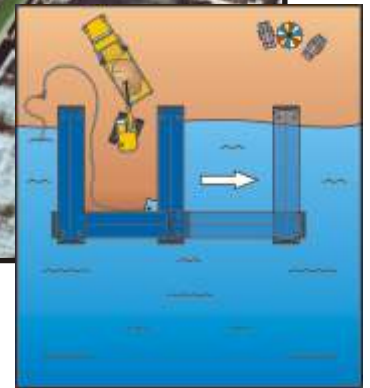
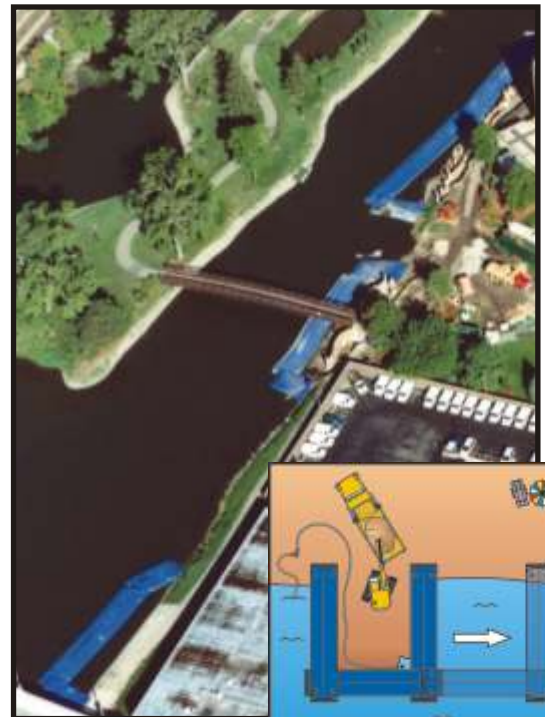


SHORELINE STABILIZATION

When shoreline restoration projects require dewatering or even turbidity control, the Aqua-Barrier® can provide a cost effective alternative to conventional products. The versatility of the Aqua-Barrier® affords the option of dewatering the entire shoreline area or moving the system in stages.



The **ENTIRE SHORELINE ENCLOSURE DESIGN** is useful when only one installation and removal is required in the work area.

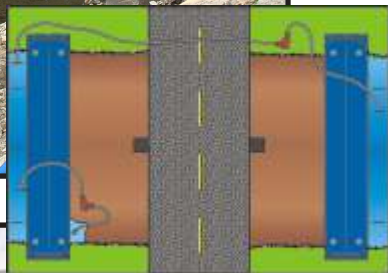
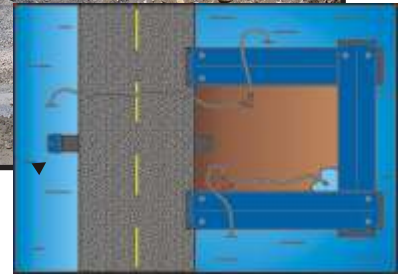


A **MULTIPLE STAGING CONFIGURATION** is advantageous when the scope of the work involves a large expanse of shoreline because the barriers can be installed and removed in short order.

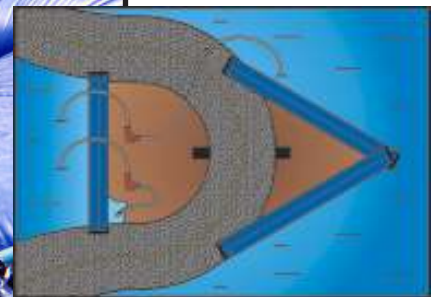
CULVERT INSTALLATION AND REPAIR

Culvert construction can be troublesome if water is present in the work area. The Aqua-Barrier® will adapt to a variety of different environments, providing the most cost effective solution for your temporary dam requirements.

A **THREE SIDED FORMATION** is utilized when the shoreline is straight and a large work area is required. An inflatable pipe plug is also installed in the opposite end of the culvert to prevent the water from infiltrating the work area.



The **CANAL BLOCK FORMATION** is beneficial when working in narrow channels because the system requires only one installation and removal. Water pumps can be utilized to maintain appropriate upstream water levels.



A **TEE-PEE DESIGN** and/or a **STRAIGHT SHORELINE FORMATION** are advantageous when irregular shorelines are present.

OTHER PROJECTS

Dewatering projects come in all shapes and sizes. Aqua-Barriers® provide a multi-purpose solution to your temporary dam requirements.



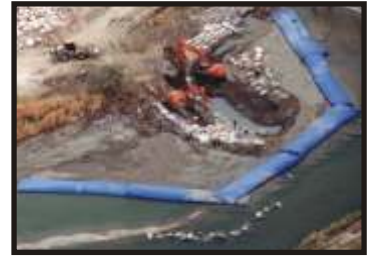
Concrete channel repair



Water park construction & repair



Dredging project



Weir installation

LEASE OR PURCHASE

• Save Time:

Aqua-Barriers® are installed and removed more rapidly than conventional cofferdam methods saving both time and money. Simply inflate the Aqua-Barrier® with any available water source. Upon project completion, drain the barriers for prompt removal.

• Environmentally Compliant:

Aqua-Barriers® meet or exceed even the most stringent environmental agency's water quality restrictions. Unlike conventional cofferdam methods, the environmental impact is greatly reduced. The system uses the existing water for inflation and the barriers are completely removed upon project completion.

• Engineered for safety:

Extensive engineering went into the design of Aqua-Barriers® culminating in our exclusive patented inner baffle system. The result is a water control system that is safe, stable and effective.

CONTROL SEDIMENT IN ENVIRONMENTALLY SENSITIVE AREAS



Schools of fish are undisturbed

Work area remains isolated (right)

An endangered manatee's environment is protected

Free Aqua-Comp analysis software: This proprietary modeling software allows you to replicate the behavior of a selected size Aqua-Barrier® in a chosen environment.

CAD drawings and specifications are available in multiple formats upon request or visit our website



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