ENVIRONMENTAL CLAM SHELL

Oversized, Over-Square Footprint

Width greater than opened length minimizes outward windrowing flow of material during bucket closure. Footprint determines size of cut. A larger footprint size is designed for shallow face dredging.
(up to 100 m²)

Lightweight
Eliminates the processing of hard, uncontaminated sediment.

Sloping Profile
Allows for angled, lateral movement along an inclined bottom. Previously, over dredging in “steps” were required. These steps are then often filled in with capping material.

Level-Cut
Creates a flat surface opposed to the pothole effect, which can create a pool of contamination.

Overlapping Sideplates
Minimize outward flow (windrowing) of material during bucket closure, and seals in material during bucket ascension.

Depth of cut & adjustable top screen plate changes volume to reduce free water content

816 ft² (75m²) footprint

1 Venting System with open center decreases downward pressure during bucket descension, and seals in material during bucket ascension.
2 Center of Mass of material is located below the center of the bucket’s containment area, minimizing material washout during bucket closing and ascension.
3 150° Cutting Edge allows the bucket to “scoop” material, which lowers the material’s center of mass within the containment area.
4 Adjustable side screen plate determines depth of cut.