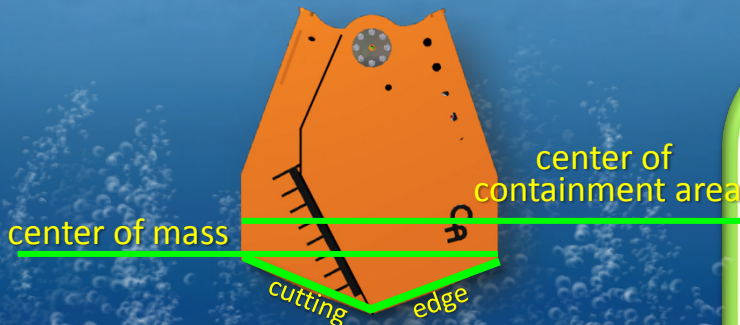


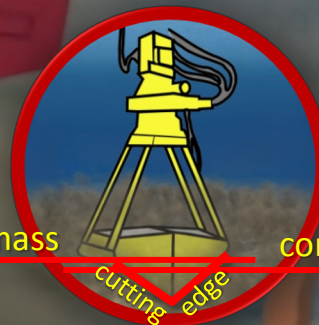
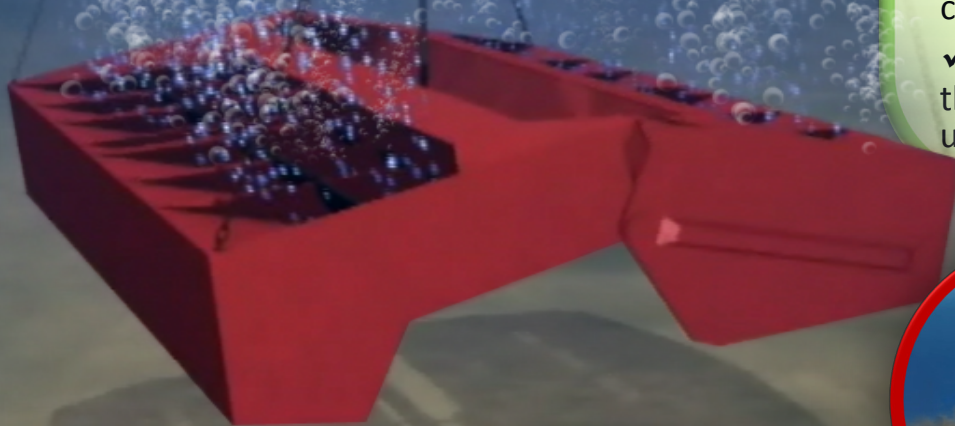
ENVIRONMENTAL CLAMSHELL DREDGING

RESUSPENSION ⇒ RELEASE ⇒ RESIDUAL = RISK



CORRECT DESIGN FEATURES REDUCE WINDROWING

- ✓ **Cutting Edge** lips are at a near 150° angle in the closed position.
- ✓ **Large Overlapping Side Plates** reduce cross-sectional area during closing.
- ✓ **Footprint** is over-square with the width greater than the length, when open.
- ✓ **Center of Mass** of material is located below the center of the bucket's containment area.
- ✓ **Level-Cut** provides an even surface after the removal of the contaminated material.
- ✓ **Light Weight** bucket eliminates the unnecessary processing of hard, uncontaminated sediment.



WRONG DESIGN FEATURES CAUSE HIGH RISK DREDGING

- Length of open bucket is greater than width causing sediment loss
- Cross-sectional area is not reduced during closing
- Material mass is above the center of the bucket containment area
- Cutting edge at too sharp of an angle (V-shaped) causes sediment to be pushed out at sides

