



## BEACH NOURISHMENT

Beach nourishment (also referred to as beach renourishment, beach replenishment, or sand replenishment) is a process by which sediment (usually sand) lost through longshore drift or erosion is replaced from other sources. A wider beach can reduce storm damage to coastal structures by dissipating wave energy across the surf zone, providing some protection for upland structures and infrastructure.

Nourishment is typically a repetitive (and costly) process since it does not remove the physical forces that cause erosion but simply mitigates their effects.

## IS THIS RESILIENT?

Nourishment really only works if there is an accessible and regularly available supply of similar sediment, ideally made available for other reasons (e.g., regular dredging of a river outlet). Otherwise, this approach is highly expensive and temporary, as the added sand eventually erodes and needs to be replaced. Additionally, some communities have found that it creates a false sense of security and encourages additional development in high-risk settings. Access to the shoreline must be restricted during nourishment, and the process can destroy or bury coastal vegetation.

## COMMUNITY INPUT

*What we heard..*  
Residents want to protect Bridgman's greatest local asset, public access to Lake Michigan

## TEMPERATURE CHECK



**How do you feel about this idea?**

### POSITIVES + OPPORTUNITIES

### NEGATIVES + CONCERNS

### REGULATORY CONSIDERATIONS

### POSSIBLE LOCATIONS

**Please place a sticker under the response you'd like to leave.**

**I'm open to considering this idea**

**I'm unsure if this is right for Bridgman**