uly 24, 2020

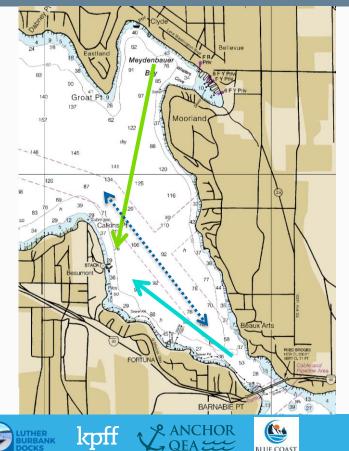
Luther Burbank Park Waterfront Plaza & Docks

Coastal Processes 101

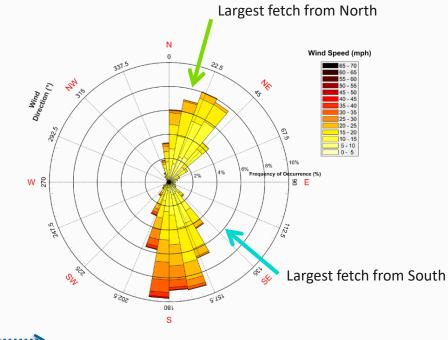








BLUE COAST



Path of passing vessels (high speeds)

Coastal Processes: Floating Breakwaters (1/1)

Floating Breakwaters let some wave energy through; work best for smaller, choppy waves



Larger waves



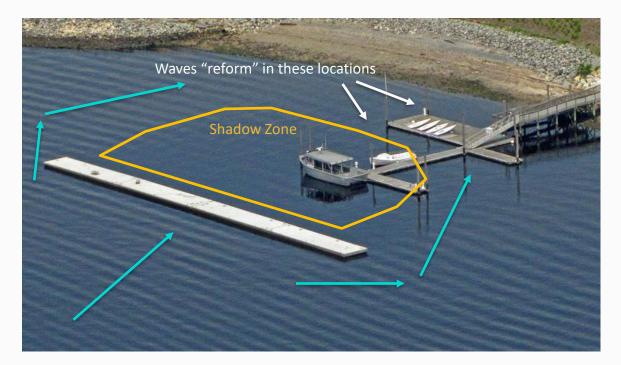
Smaller, choppy waves



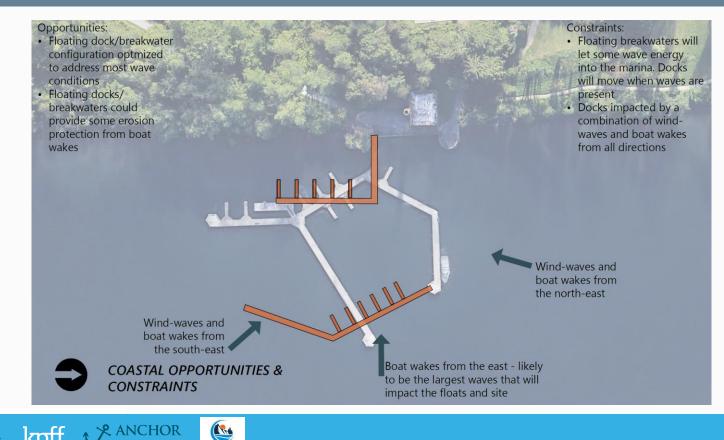
Coastal Processes: Floating Breakwaters (2/2)

Breakwaters, including floating breakwaters, work best when they are close to facility

- "Shadow zone" of calmer water occurs on the leeward side on the landward side of the breakwater
- Waves will diffract around the ends of the breakwater and "re-form" some distance landward of the structure
- When you move the breakwater you move the "shadow zone"



Opportunities & Constraints: Coastal Processes



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