Update: Future Scenario Strawman
Some lessons learned from the first workshop

- Difficult system to narrow down to four scenarios
- Challenging to select important/uncertain drivers for 3 distinct focal habitats
- Some confusion about:
  - Assumptions vs drivers
  - Scenarios to manage vs. managing within a scenario
Scenarios to manage vs managing within a scenario

• Drivers may not be manageable

• What are the management priorities given the change?
Assumptions vs. Drivers

• Drivers: Define a set of distinct scenarios

• Assumptions: Can represent a big change but are constant across scenarios (low uncertainty)
  • Sea-level rise
  • Ocean Acidification?
Going from 3 to 2 axes

- Some overlap between scenarios
- Too confusing to have too many scenarios
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<th>Crumbling Stagnation</th>
<th>HIGH</th>
<th>Deadliest Catch</th>
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<td>Ending marshes, loss of carbon storage</td>
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**Nutrient Richness**

**Erosion**

## Sunny and Stale

- **Low**
- Rocky intertidal
- Rock slides
- Water quality
- Beach
- Fish
- Seaweed
- Nutrient
- Baby seals
- Shorebirds

## Mild and Serene

- **High**
- Coastal Tourism
- Mussel beds
- Bait fish estuary
- Estuaries
- Keel
- Dune
- Coastal Lagoon
- Marshes
- HAB

- **Variable**
- Estuary vegetation
- Aquaculture
- Productivity

- **Buried from sediment**
- Rock and mud slides increase
- Saltwater intrusion
- Variable - more sediment
- Bumper year but dangerous fishing
- Reduced
- Potential for being buried
- Reduced due to increased turbidity
- Accretion stabilizes
- High

- **Mild and Serene**

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- **Sunny and Stale**
1. Cold and Dry
2. High Energy All Year
3. Warm and Calm
4. Stratification and Plumes
Upwelling

• North winds
• Cold nutrient rich waters
• Exposure to low pH
• Exposure to low DO
• Exposure to high nitrate
• Rough seas
• Cold Air temperature
• Foggy
Runoff

- Winter Storms
- Rainfall Snow
- Runoff
- Wave Events
- Cold events
- Strong South Winds