- Dungeness Crab Task Force –
Marine Life Entanglement
RAMP and Conservation Plan Updates

October 27, 2021
RAMP - Risk Assessment Operation

CDFW Monitors Available Data and RAMP Triggers

- Compile Available Data
- CDFW Data Review & Initial Assessment
- RAMP Triggered
  - Notify WG
  - Review Data/Mgmt. Considerations/ Provide Mgmt. Recommendation
  - CDFW Director Reviews Data, Staff & WG Recommendation(s)
  - CDFW Director Issues Declaration / Fleet Notification (Mgmt Action)
  - Minimum 72-hour notice (Advisory, Depth Restriction, Closure, Gear Reduction)
  - Management Action Implemented / Lifted

- Compile Available Data
- CDFW Data Review & Initial Assessment
- RAMP Not Triggered
  - Notify WG
  - Review Data
Available Data as of October 26, 2021 to inform Marine Life Concentrations Triggers and Management Considerations

**Zone 1:** Domoic acid testing

**Zone 2:** CDFW Aerial Survey  
Habitat Compression Index (HCI)

**Zone 3:** CDFW Aerial Survey, NOAA Aerial Survey, Cascadia/TMMC Vessel Survey  
PBCS Data Portal, Domoic acid testing, forage, HCI

**Zone 4:** CDFW Aerial Survey, NOAA Aerial Survey, Cascadia/TMMC Vessel Survey, MBWW  
MBWW (historic patterns), PBCS Data Portal, Domoic acid testing, forage, HCI

**Zone 5:** CDFW Aerial Survey, Cascadia/TMMC Vessel Survey  
HCI

**Zone 6:** Cascadia/TMMC Vessel Survey  
PBCS Data Portal
CDFW Preliminary Recommendation

Recreational Fishery:
• Fleet Advisory: Fishing Zones 1, 2, 5 and 6
• Crab Trap Prohibition: Fishing Zones 3 and 4

Commercial Fishery:
• Fleet Advisory: Fishing Zone 5 and 6
• Season Delay: Fishing Zones 3 and 4
• Zones 1 and 2 were not evaluated
Working Group Recommendation

- **Fishing Zone 1 and 2:** Recommends delaying the recreational crab trap fishery until November 12, 2021, with a Fleet Advisory and to open the commercial trap fishery on December 1, 2021 with a Fleet Advisory. Both dates are subject to change based on the next Risk Assessment.

- **Fishing Zones 3 and 4:** Recommends delaying the recreational crab trap fishery until November 12, 2021, and delay the commercial fishery until November 19, 2021. Both dates are subject to change based on the next Risk Assessment.

- **Fishing Zones 5 and 6:** The Working Group supports CDFW’s preliminary recommendation to open both the recreational fishery and commercial Dungeness crab fisheries under a Fleet Advisory on November 6, 2021, and November 15, 2021, respectively.
Risk Assessment Timeline
## Entanglements under RAMP

<table>
<thead>
<tr>
<th>Actionable Species</th>
<th>Confirmed Entanglements in CA commercial Dungeness crab gear</th>
<th>Confirmed Entanglements in unidentified fishing gear reported off CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humpback whales</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Blue whales</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Leatherback sea turtles</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Actionable Species</th>
<th>Current Fishing Season</th>
<th>Current Calendar Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humpback whales</td>
<td>0</td>
<td>$0.75 + 0.38 = 1.13$</td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Preliminary total; see below</em></td>
</tr>
<tr>
<td>Blue whales</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Leatherback sea turtles</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Conservation Plan (CP) Update

• The CP will support Incidental Take Permit (ITP) request
• RAMP regulatory framework for the CP
• RAMP will continue to be adaptive and revised (RAMP 2.0)
• First Draft CP was submitted to NMFS – May 2020
• CDFW is currently revising that first draft
• Expect release November 2021 – 45 day comment period
• Planned submission Spring 2022 (CP & ITP)
More information:

www.wildlife.ca.gov/Conservation/Marine/Whale-Safe-Fisheries

Regulations:

https://wildlife.ca.gov/Notices/Regulations/RAMP

Thank You