Seafloor Habitats and Depth Zones

• Fine-scale seafloor mapping using multi-beam sonar and LIDAR methods almost complete (Kvitek et al.)
• Most but not all of region was contracted to be mapped (parts of Farallons and some nearshore areas not surveyed)
• Still doing some cleanup of data
• Preliminary data in hand and available for planning, but will be updated over the next month
Filling in areas not surveyed by:

- Using kelp as a proxy for rock in nearshore (<20m) north of Bolinas
- Final mapping of some near-shore areas (not all)
- Assuming estuaries are soft bottom
- Utilizing existing fine-scale plus some coarse scale data for Farallons subregion
Seafloor Habitats and Depth Zones

Filling in areas not surveyed by:

- Using kelp as a proxy for rock in nearshore (<20m) north of Bolinas
- Final mapping of some nearshore areas (not all)
- Assuming estuaries are soft bottom
- Utilizing existing fine-scale plus some coarse scale data for Farallons subregion
Seafloor Habitats and Depth Zones

Filling in areas not surveyed by:

- Using kelp as a proxy for rock in nearshore (<20m) north of Bolinas
- Final mapping of some near-shore areas (not all)
- Assuming estuaries are soft bottom
- Utilizing existing fine-scale plus some coarse scale data for Farallons subregion
Filling in areas not surveyed by:

- Using kelp as a proxy for rock in nearshore (<20m) north of Bolinas
- Final mapping of some near-shore areas (not all)
- Assuming estuaries are soft bottom
- Utilizing existing fine-scale plus some coarse scale data for Farallons subregion
**Seafloor Habitats and Depth Zones**

**PRELIMINARY** classification of fine-scale data

- Overall, 74% soft / 11% hard, but 15% unknown

<table>
<thead>
<tr>
<th></th>
<th>0-30m</th>
<th>30-100m</th>
<th>100-200m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft</td>
<td>29%</td>
<td>44%</td>
<td>1%</td>
</tr>
<tr>
<td>Hard</td>
<td>5%</td>
<td>6%</td>
<td>0%</td>
</tr>
<tr>
<td>Unk.</td>
<td>14%</td>
<td>&lt;1%</td>
<td>0%</td>
</tr>
</tbody>
</table>