

## SOAR Project Status

### Themes

1. The 'New State' of the Pacific Arctic sector: Observations & models of sea ice loss and effects on primary production
2. Response of mid-level trophic species to the 'New State' of the Pacific Arctic: Benthic and pelagic invertebrates + forage fishes (cod, capelin, sand lance etc.)
3. Response of upper-trophic species to the 'New State' of the Pacific Arctic: Marine mammal and seabird distribution, relative abundance and phenology

### Progress in Oceanography SOAR Special Issue Papers

<b>Theme 1. The 'New State' of the Pacific Arctic sector: Observations &amp; models of sea ice loss, effects on primary production and acoustic ecology</b>			
<b>Project Lead</b>	<b>Received</b>	<b>Updates</b>	<b>Paper Title</b>
<b>Arrigo</b> ** Stabeno	9/2/13	<ul style="list-style-type: none"> <li>In revision</li> </ul>	Continued increases in Arctic Ocean primary production
<b>Frey</b> **Moore	6/30/14	<ul style="list-style-type: none"> <li>In review</li> </ul>	Recent regime shifts in sea ice cover across the Pacific Arctic region
<b>Mathis</b> ** Stabeno	11/14/13	<ul style="list-style-type: none"> <li>In press</li> <li>Early online publishing &amp; open access by 1 Aug</li> </ul>	Ocean acidification risk assessment for Alaska's fishery sector
<b>Wood &amp; Overland</b> ** Stabeno	3/28/14	<ul style="list-style-type: none"> <li>In revision</li> </ul>	A decade of environmental change in the Pacific Arctic region
<b>Theme 2. Response of mid-level trophic species to the 'New State' of the Pacific Arctic: Benthic and pelagic invertebrates + forage fishes (cod, capelin, sand lance etc.)</b>			
<b>Project Lead</b>	<b>Received</b>	<b>Updates</b>	<b>Paper Title</b>
<b>Divoky</b> ** Suydam	6/6/14	<ul style="list-style-type: none"> <li>In review</li> </ul>	Effects of recent decreases in arctic sea ice on an ice-associated marine bird
<b>Grebmeier** &amp; Bluhm</b>	6/30/14	<ul style="list-style-type: none"> <li>In review</li> </ul>	Benthic system analysis at predator-prey "hotspot" sites along a latitudinal gradient in the northern Bering and Chukchi seas
<b>Grebmeier**</b>		<ul style="list-style-type: none"> <li>Expected 7/31/14</li> <li>New contribution</li> </ul>	Barrow Canyon: A high benthic biodiversity hotspot in the Pacific Arctic
<b>Logerwell &amp; Napp</b> ** Moore		<ul style="list-style-type: none"> <li>Expected 7/15/14</li> </ul>	Fish communities across a spectrum of habitats in the Beaufort and Chukchi seas

<b>Theme 3. Response of upper-trophic species to the 'New State' of the Pacific Arctic: Marine mammal and seabird distribution, relative abundance and phenology</b>			
<b>Project Lead</b>	<b>Received</b>	<b>Updates</b>	<b>Paper Title</b>
<b>Citta &amp; Quakenbush</b> **George	12/30/13	<ul style="list-style-type: none"> <li>Revised and accepted</li> <li>Expect early online publication and open access</li> </ul>	Ecological characteristics of core-use areas used by Bering-Chukchi-Beaufort (BCB) bowhead whales, 2006-2012
<b>Clark**</b>	4/3/14	<ul style="list-style-type: none"> <li>In review</li> </ul>	A year in the acoustic world of western Arctic bowhead whales.
<b>Crawford &amp; Quakenbush</b>	5/4/14	<ul style="list-style-type: none"> <li>In revision</li> </ul>	Responses of ringed and bearded seals to dietary shifts in the Pacific Arctic
<b>George**</b>	12/6/13	<ul style="list-style-type: none"> <li>In review</li> </ul>	Western Arctic bowhead whale body condition and links to summer sea ice and upwelling in the Beaufort Sea
<b>Harwood</b> **George	1/31/14	<ul style="list-style-type: none"> <li>In revision</li> </ul>	Monitoring the body condition of five upper trophic level species in the Beaufort Sea as indicators of marine ecosystem change
<b>Kuletz &amp; Ferguson</b> ** Angliss	6/4/14	<ul style="list-style-type: none"> <li>In review</li> </ul>	Seasonal and spatial patterns in marine bird and mammal distribution in the Pacific Arctic: identifying biologically important pelagic areas
<b>MacIntyre</b> **Moore	7/1/14	<ul style="list-style-type: none"> <li>In review</li> <li>New addition to SOAR</li> </ul>	The relationship between sea ice concentration and the spatio-temporal distribution of vocalizing bearded seals ( <i>Erignathus barbatus</i> ) in the Bering, Chukchi, and Beaufort Seas from 2008-2011
<b>Project Lead</b>		<b>Updates</b>	<b>Paper Title</b>
<b>Moore &amp; Stabeno</b>		<ul style="list-style-type: none"> <li>A synthesis of the key findings of all papers in the Progress in Oceanography special issue</li> </ul>	