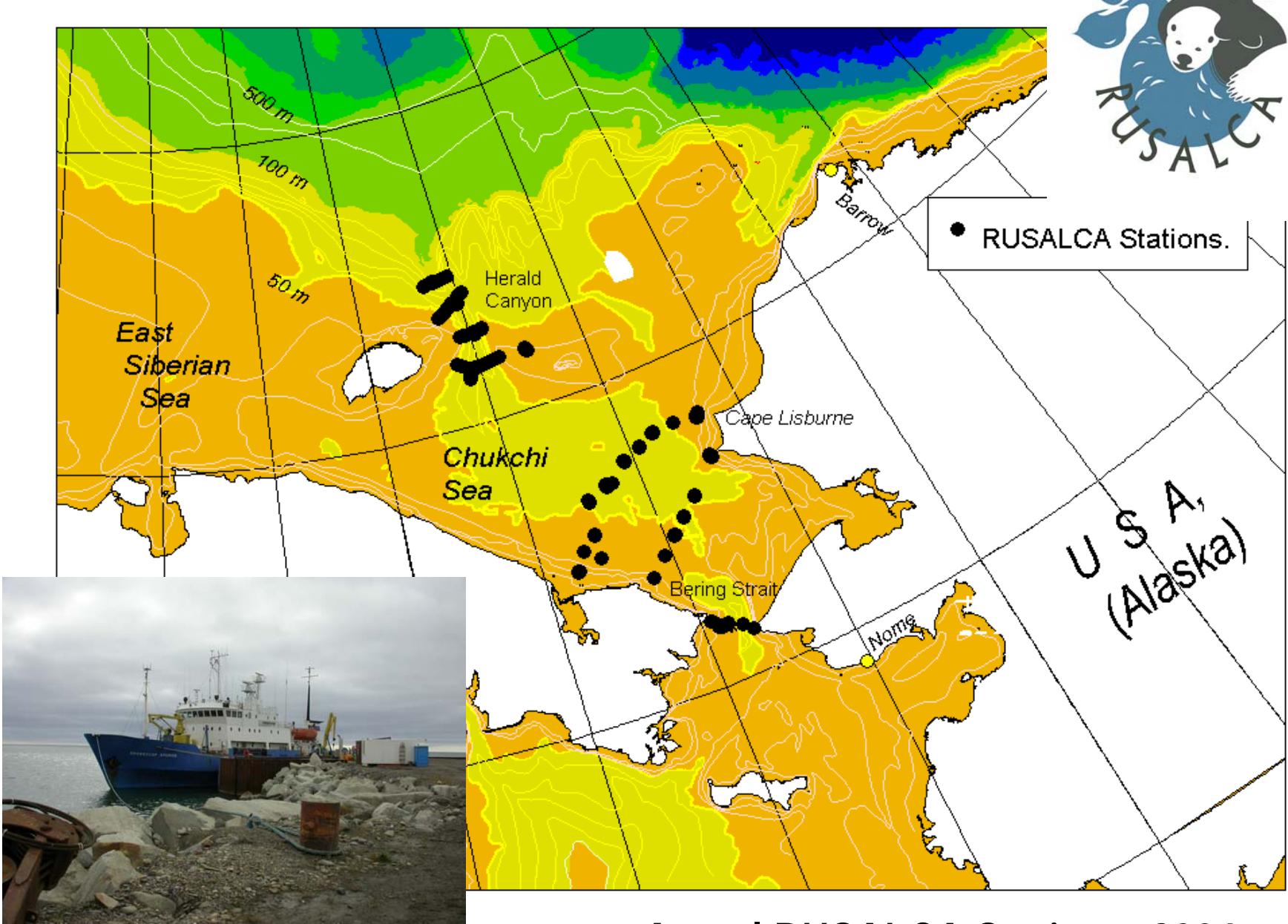


GOAL 1 (Sea Ice Thinning Observations)





Actual RUSALCA Stations, 2004

Pacific-Arctic Research NEEDS

Time Series Measurements @
Regional & Fine Scales

Sea Ice Extent & Thickness

Wind Direction & Speed

Currents & Productivity

Flux measurements

Biodiversity Change

integrated with

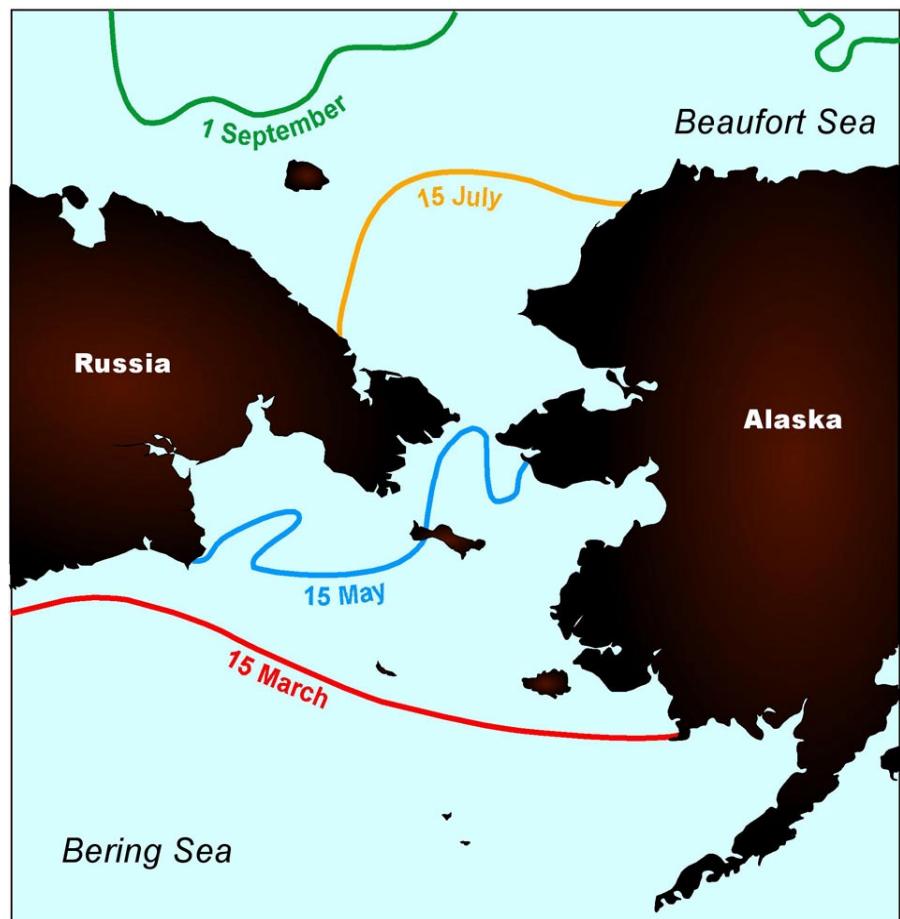
Marine mammal research

* IPY Flagship Projects?

Ice edge bio-physics (PAG)

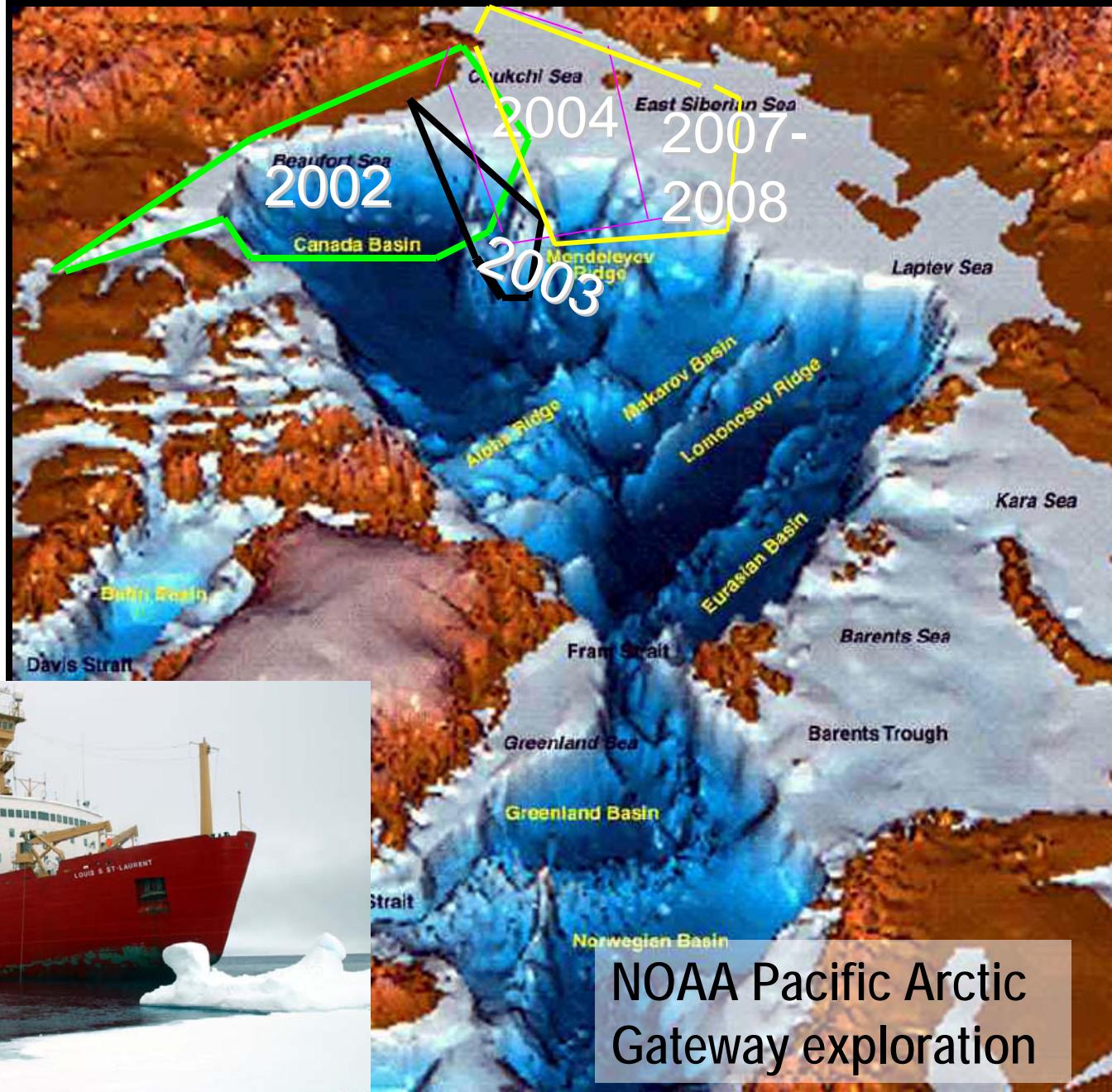
Pan-Arctic beluga tagging (GINR)

Potential Cruise Locations for a Pacific Arctic IPY



Estimated Ice Edge (2/10 concentration) position for four multi-disciplinary cruises during the meltback season (based on 2001-2004 ice data)

GOAL 5 Explore The unknown Arctic Ocean





NOAA's Initiative:

INTERNATIONAL POLAR YEAR Potential regions of study

U.S. NOAA-Russian Federation Arctic Marine Programs

RUSALCA-PASS-NABOS