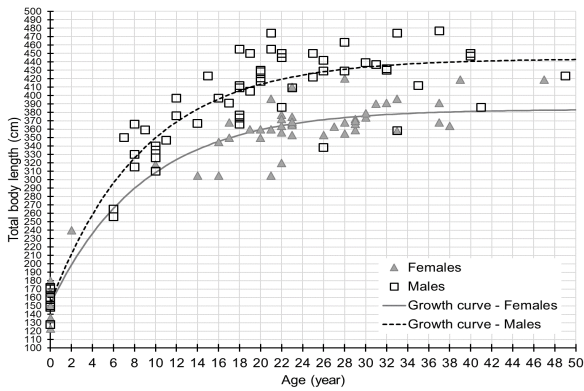
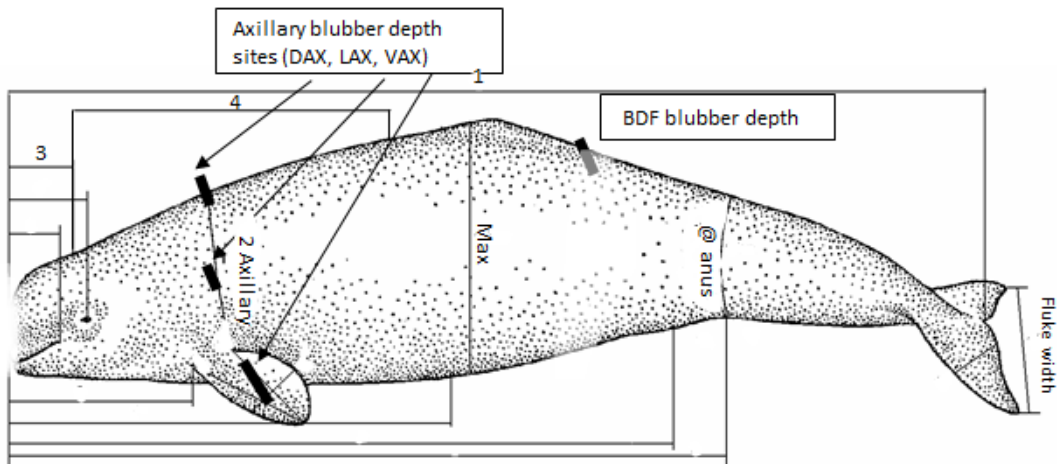
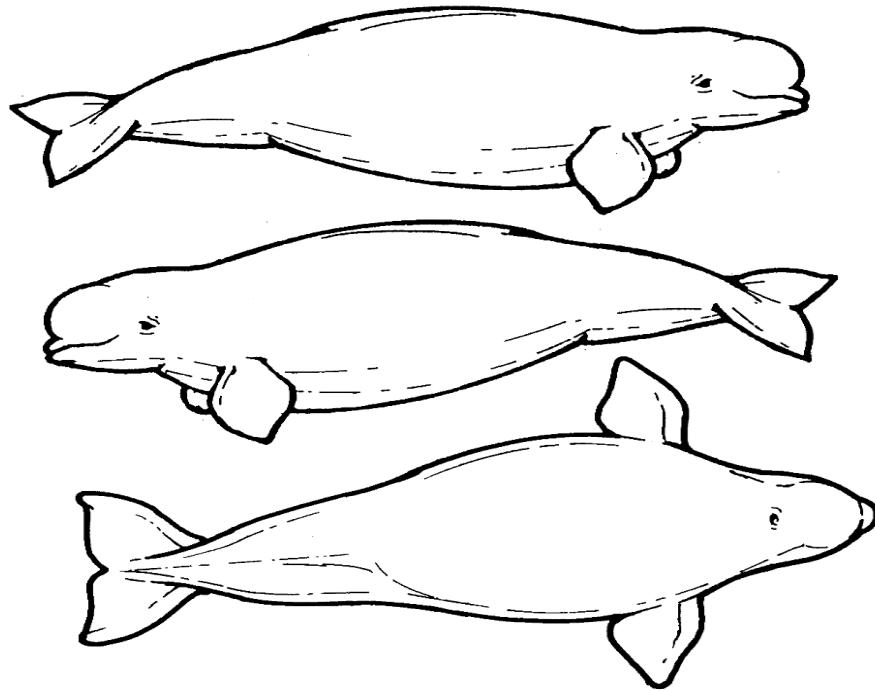


BELUGA

ANIMAL ID				Necropsy Date:
Location				
Lat		Long		
Reported by:				Contact info:
Necropsied by:				Contact info:
Species			Age (circle)	AD; SA; calf; Fetus; Unknown
Forms done:	<input type="checkbox"/> Level A	<input type="checkbox"/> HI	Sex (circle)	M F Unknown
1) Straight Length	cm/in	Weight	lb/kg	est or actual
2) Axillary girth	cm/in	blubber depth	DAX mm; LAX mm; VAX mm	
3) Snout to BH	cm/in	4) BH-Dorsal	cm/in	Blubber BDF mm
Carcass Code	2 (fresh); 2.5 (mild decomp); 3 (moderate); 4 (poor); 5 (mummified / skeletal)			
Body condition	Robust Good average poor emaciated			
Brief History:				
PHOTOS Dorsal ridge Right side left side fluke ventral dorsal (CIRCLE)				
Necropsy notes:				
NBF = Neutral buffered Formalin				
10% NBF DON'T FREEZE Skin Lesions! Muscle Testes Ovary R and L Uterus Lung Placentax3 Heart Stomach Liver Intestinx3 Spleen Mes LN Kidney Brain Uterus Thyroid Adrenal gland Tongue		small Whirl (FREEZE) Skin Lesions! Muscle Uterus Testes Placentax3 Lung* chest LN Heart Intestine Liver* Mes LN* Spleen* Brain* Kidney* Tongue		Large whirl with foil (FREEZE) (circle) Blubber DAX or LAX or VAX AND Blubber BDF
		Swabs* (code 2/3 only) (FREEZE) BH or trach (D/R x4), Rectal (D/R x4, brain (D/Rx4) Genital (D/R x2), teeth (D/R x2)		15 or 50 ml cent tubes (FREEZE) Stomach content, feces* x2 urine (pref) or kidney x2
DMSO / ETOH (Freeze) Skinx2, Musclex1 Skin				Museum kit - Color top cryovials and whirl (Freeze) Liver, kidney, muscle spleen, heart
TEFLON (code 2 only) Blubber Liver		Large bags (FREEZE) Mandible or teeth, Skull*, stomach*, Repro tract*		
Swabs ONLY FRESH code 2/3; D,L,V AX = dorsal, lateral, ventral axillary; BDF = behind dorsal ; BH=Blowhole; D/R=DNA/RNA shield; *=priority sample				

BELUGA



neonates approx 1.6 m (5.2 ft.), females (triangle) < 7yrs and males (square) < 8yrs = SA

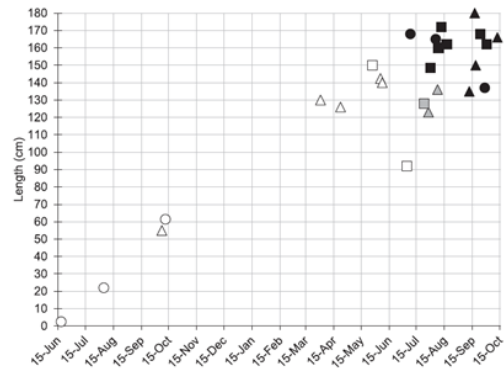


FIGURE 2 Length (straight length in centimeters) and date of collection of beluga whale fetuses (white symbols, $n = 10$), neonates (gray symbols, $n = 3$), and calves-of-the-year (black symbols, $n = 13$) from Cook Inlet, Alaska. Males = squares, females = triangles, unknown sex = circles.

predicted range of conception dates (based on Robeck et al. (2015) estimates of accuracy) fell within the period of March–May (Figure 3a, Table S2). Axillary girth measurements were obtained from 16 of the 26 whales. Applying the formula for TC, 69% ($n = 11$) of the conception dates (94% ($n = 15$) when including predicted variation) were