

Influence of terrestrial organic matter in marine food webs of the Beaufort Sea shelf and slope

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Table S1. Station locations and types of isotope samples collected. The majority of samples were collected during the 2012 (Colville Plume [CP] region) and 2013 (Camden Bay [CB], Outer Mackenzie Plume [OMP], and Inner Mackenzie Plume [IMP] regions) field seasons for the BOEM-funded U.S.-Canada Transboundary Project. Stations associated with this project were arranged in transects perpendicular to shore, and have been listed as such here, though transects were pooled for analysis. Additional sPOM samples were collected during the 2013 Canada BREA program (indicated with *), and ice POM samples were collected from sea ice cores outside of Barrow in 2014. Depths listed were target depths, actual sampling depth for bottom trawls was 8.7% less than target depth on average.

Year	Region	Transect	Station information				Isotope samples collected							
			Depth (m)	Latitude °N	Longitude °W	Date sampled	Water	pPOM	sPOM	Ice POM	Fauna			
2012	CP	B2	20	71.0732	-151.1000	28-Sep		x			x			
			50	71.1708	-151.1000	28-Sep		x		x	x			
			100	71.3261	-151.1000	28-Sep		x			x			
			200	71.3502	-151.1000	28-Sep		x			x			
			350	71.4167	-151.1000	27-Sep		x			x			
			500	71.4297	-151.1000	26-Sep		x			x			
			1000	71.4574	-151.1000	26-Sep		x			x			
		BX	200	71.2888	-150.6500	29-Sep		x			x			
			350	71.3044	-150.6500	29-Sep		x			x			
			500	71.3232	-150.6500	29-Sep		x			x			
		B1	1000	71.3737	-150.6500	30-Sep		x			x			
			20	70.7424	-150.1000	21-Sep		x		x	x			
			50	71.0282	-150.1000	21-Sep		x		x	x			
			100	71.2167	-150.1000	22-Sep		x			x			
			200	71.2301	-150.1000	22-Sep		x		x	x			
					350	71.2442	-150.1000	23-Sep			x		x	
					500	71.2526	-150.1000	24-Sep		x		x	x	
					1000	71.3058	-150.1000	25-Sep		x		x	x	
					2013	CB	A6	20	70.4259	-146.1083	13-Aug	x	x	x
37	70.5500							-146.1006	13-Aug	x	x	x		x
50	70.6755							-146.0956	13-Aug	x	x	x		x
100	70.8170							-146.0614	14-Aug	x	x	x		x
200	70.8902	-146.0812	14-Aug	x				x	x		x			
350	70.9297	-146.0694	15-Aug	x				x			x			
500	70.9704	-146.1313	15-Aug	x				x			x			
750	70.9717	-146.0272	16-Aug	x				x			x			
1000	71.0179	-146.1322	17-Aug	x				x			x			

Year	Region	Station information					Isotope samples collected					
		Transect	Depth (m)	Latitude °N	Longitude °W	Date sampled	Water	pPOM	sPOM	Ice POM	Fauna	
2013	OMP	A2	10	69.9246	-142.2309	20-Aug	x	x	x			
			40	70.1218	-142.2571	20-Aug	x	x	x			
			100	70.4857	-141.9412	19-Aug			x			
			200	70.4998	-141.9109	19-Aug	x	x	x			
			500	70.5617	-141.9846	19-Aug	x	x				
			750	70.6213	-141.9464	18-Aug	x	x				
			1000	70.6314	-142.0687	18-Aug	x	x				
	OMP cont.	A1	20	69.7200	-141.1412	20-Aug	x	x	x		x	
			50	70.0398	-141.0787	20-Aug	x	x	x		x	
			100	70.3379	-141.1176	22-Aug	x	x	x		x	
			200	70.3690	-141.1852	22-Aug					x	
			350	70.4076	-141.0504	22-Aug	x	x			x	
			*350	70.4112	-141.0610	5-Sep			x		x	
			500	70.4707	-141.0151	22-Aug	x	x			x	
			750	70.5321	-141.0347	23-Aug	x	x			x	
			*750	70.5382	-141.0275	6-Sep			x		x	
			1000	70.6027	-141.0407	23-Aug	x	x			x	
			TBS	50	70.1562	-140.3967	26-Aug	x	x	x		x
				100	70.2414	-140.2628	25-Aug	x	x	x		x
				200	70.2685	-140.2974	25-Aug	x	x	x		x
				350	70.3449	-140.3903	25-Aug	x	x			x
				500	70.4151	-140.3560	24-Aug	x	x			x
	750	70.5632		-140.4501	24-Aug	x	x			x		
	1000	70.5983		-140.3735	24-Aug	x	x			x		
	IMP	MAC	50	69.4646	-137.6565	27-Aug	x	x	x		x	
			100	69.6281	-137.9703	27-Aug	x	x	x		x	
			200	69.8306	-138.4046	26-Aug	x	x	x		x	
			500	70.2976	-139.2596	31-Aug	x	x			x	
			750	70.4403	-139.5208	31-Aug	x					
		GRY	1000	70.5920	-139.7815	30-Aug	x	x			x	
			20	69.7014	-136.6746	27-Aug	x	x	x		x	
			50	69.8775	-137.2199	27-Aug	x	x	x		x	
			100	70.0920	-137.7705	28-Aug	x	x	x		x	
200			70.1427	-137.9840	28-Aug	x	x	x		x		
350			70.2532	-138.3628	28-Aug	x	x			x		
*350			70.2594	-138.3823	29-Aug			x		x		
500			70.2983	-138.4929	29-Aug	x	x			x		
750			70.4404	-138.9493	29-Aug	x	x			x		
*750			70.4409	-138.9866	30-Aug			x		x		
1000	70.5241	-139.2267	30-Aug	x	x			x				
2014	-	-	*1200	70.5980	-138.3180	9-Sep			x			
	-	-	sea ice	71.3815	-156.5243	8-Apr				x		