In 2014 and 2015, we quantified decomposition of plant litter material collected from each plot. In late May, we collected vascular plant litter from the surface of each plot, along with *Sphagnum* peat (*S. fuscum*-derived), from roughly 5-15 cm below the capitula. We placed nylon mesh litter bags with mixed vascular plant litter (approx. 1.7 g dry mass; roughly equal masses of *Rhododendron groenlandicum*, *Andromeda polifolia*, Chamaedaphne calyculata, *Smilacina trifolia*, and *Rubus chamaemorus*) or peat approximately 10 cm below the peat surface in early June (in 2014, 3 bags per plot of vascular litter and 3 bags of *Sphagnum* peat; in 2015, 4 bags of each material). Upon retrieval in October of each year, we manually removed debris from each retrieved bag before drying at 55 C for a minimum of 5 days, and weighing.