



Figure S-1. Photos of selected AMS radiocarbon dated macrofossils. A) 0 to -1 cm *Menyanthes trifoliata* seed 14C 9530 \pm 30 yr BP, 10,893 \pm 123 cal ka (UCIAMS-88697). B) -11 to -12 cm *Menyanthes trifoliata* seed 14C 10,055 \pm 30 yr BP, 11,574 \pm 106 cal ka (UCIAMS-88898). C) -22 to -23 cm *Menyanthes trifoliata* seed 14C 10,485 \pm 30 yr BP, 12,457 \pm 72 cal ka (UCIAMS-88700). D) -30 to -33 cm *Schoenoplectus tabernaemontani* achene 14C 10,470 \pm 35 yr BP, 12,417 \pm 103 cal ka (UCIAMS-88701). E) -37 to -39 cm *Carex rostrata* achene 14C 10,920 \pm 25 yr BP, 12,765 \pm 28 cal ka (UCIAMS-168090). F) -43 to -45 cm *Schoenoplectus tabernaemontani* achene 14C 10,720 \pm 30 yr BP, 12,678 \pm 26 cal ka (UCIAMS-88702). G) -12 to -13 cm *Salix* twig with adhering bark 14C 9985 \pm 30 yr BP, 11,442 \pm 98 cal ka (UCIAMS-88699). H) -55 to -57 cm *Salix* twig 14C 11,020 \pm 240 yr BP, 12,923 \pm 220 cal ka (UCIAMS-101444). I) -67 to -69 cm *Salix* twig 14C 11,090 \pm 35 yr BP, 12,958 \pm 66 cal ka (UCIAMS-101445).