

Figure F1. Position of Site U1418 in the Gulf of Alaska. (Map created with Ocean Data View [Schlitzer, 2015]).

Figure F2. Major element composition of Site U1418 sediment samples: Ti, Si, Al, Fe, Mn, Mg, Ca, Na, K, and P. Blue dashed vertical line = Average Shale content except for Mg, Na, and K (out of range) (Wedepohl, 1971, 1991), red dashed vertical line = Chugach Terrane average content except for Si, Ti, Fe, and Mg (out of range). Blue and red arrows = direction and magnitude of out of range reference values (Barker et al., 1992). See Table T1 for comparison.

Figure F3. Minor element composition of Site U1418 sediment samples: As, Ba, Co, Cr, Cu, Mo, Ni, Nb, Pb, Rb, Sr, Y, U, V, Zn, and Zr. Blue dashed vertical

line = Average Shale content except for Nb, Pb, Rb, V, and Zr (out of range) (Wedepohl, 1971, 1991), red dashed vertical line = Chugach Terrane average content except for Cr, Ni, and Zr (out of range) and As, Mo, Pb, and V (not reported). Blue and red arrows = direction and magnitude of out of range reference values (Barker et al., 1992). Sum of concentration indicates the proportion of total sediment by here analyzed elements. Difference from 100% is loss on ignition (LOI). See Table T1 for comparison.

Figure F4. Carbonate composition in Site U1418 sediment samples: total carbon (TC), total organic carbon (TOC), and total inorganic carbon (TIC). See Table T2 for comparison.