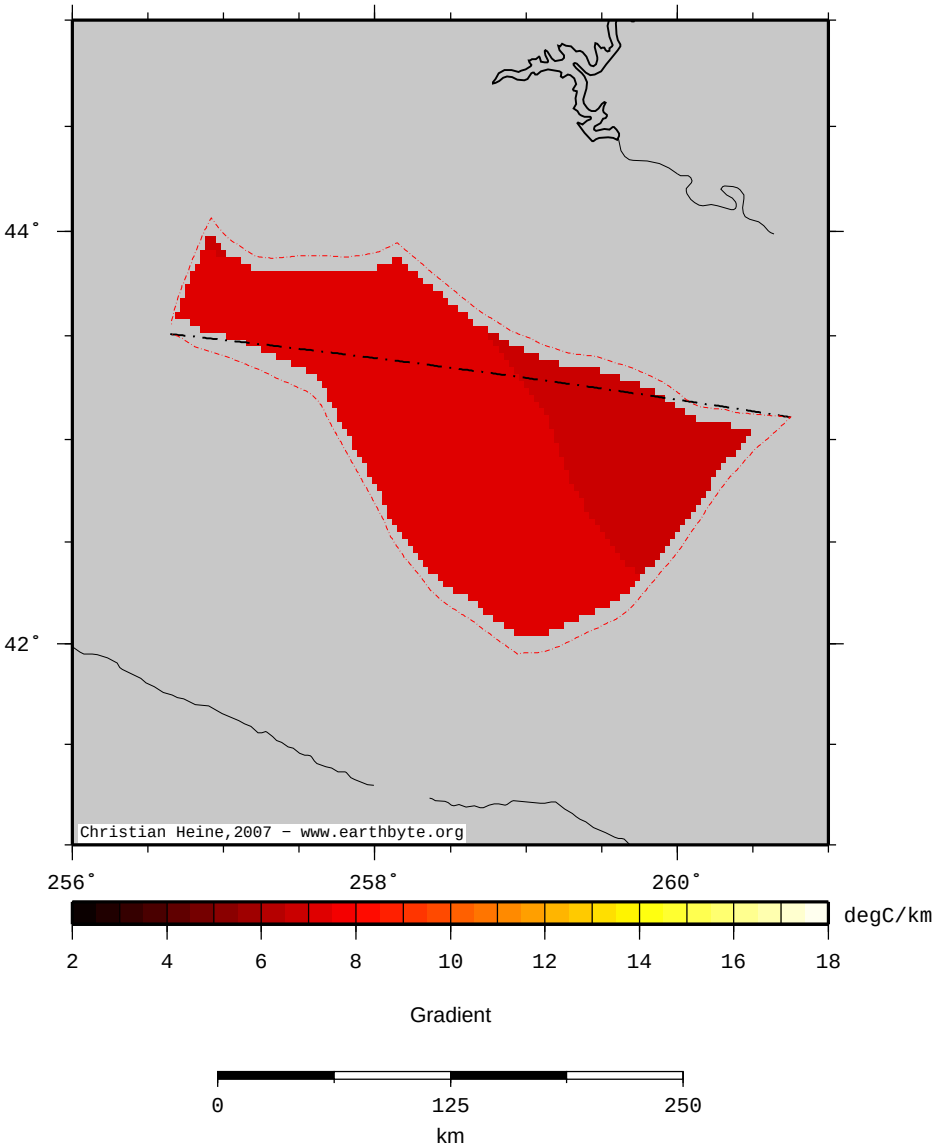KennedyBasin − TC1_gradTlith