

War and peace metal contamination marks on the Yehuling Fortress

QINGQING SUN

University of Missouri

Presenting Author: qs834@missouri.edu

The Yehuling Fortress, located in Zhangbei City, Hebei Province, China, served as a crucial conduit connecting North China and the Mongolian Plateau. Throughout its long history, it witnessed numerous conflicts, ranging from ancient battles such as the Zhao and Donghu War to more recent events like the Mongol-Jin War under Genghis Khan in 1208 and even events during World War II, including the "802" military exercise in 1981. This study focused on investigating the hydrological and soil characteristics as well as the environmental model of this region. It delved into an analysis of water sources and examined the impact of warfare on the accumulation of harmful metals, exploring various aspects of geochemistry and hydrology.