

## EXPRESS REPORT

# Age of the Most Extensive Glaciation of Northern Switzerland: Evidence from the scientific drilling at Möhliner Feld

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## 1 Introduction

Möhliner Feld is a key area in the Swiss Pleistocene stratigraphy of the Northern Alpine Foreland. It is located at the River Rhine, about 20 km east of the city of Basel, and its topography sticks out from the Low Terrace surrounding on the northern flank (Fig. 1). Already GUTZWILER (1894) describes till outcropping in the still open gravel pit 'Bünt-en' and interprets a shallow ridge on Möhliner Feld as a

terminal moraine formed by an alpine glacier advancing from the East. PENCK & BRÜCKNER (1901–1909) follow this conclusion and describe another, slightly more exterior, terminal moraine. This ridge is interpreted to result from a glacier tongue within the Rhine Valley and is assigned to the Rissian glaciation, the penultimate glaciation in the classical Alpine stratigraphy. The Rissian is usually correlated to Marine Isotope Stage (MIS) 6, i.e. an age of 180–140 ka.

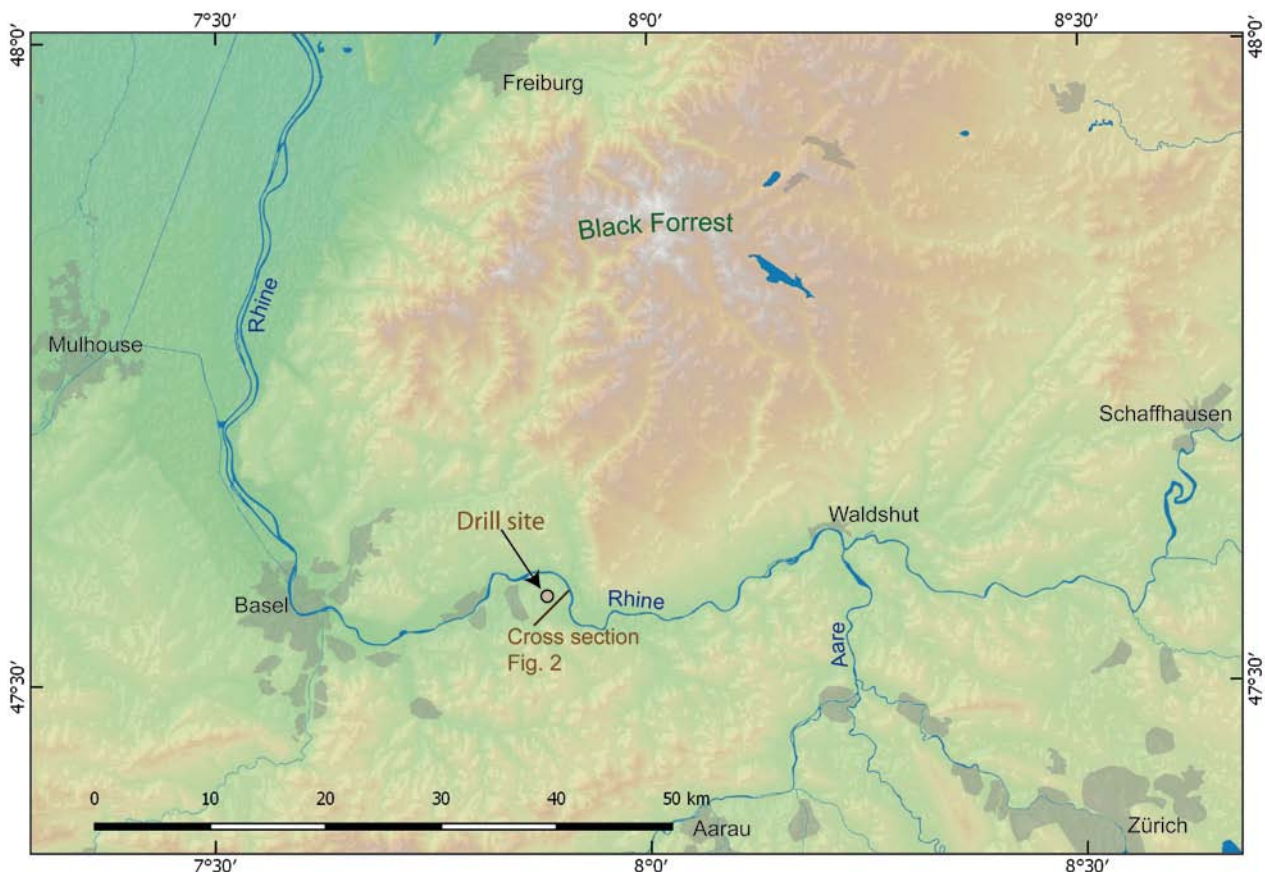


Fig. 1: Overview map of the study area with location of the drill site. / Abb. 1: Übersichtskarte des Untersuchungsgebietes mit Lage der Bohrstelle.







