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Geological maps, figures 1 and 3.

The proximal ejecta around the marine-target Lockne impact structure, Sweden

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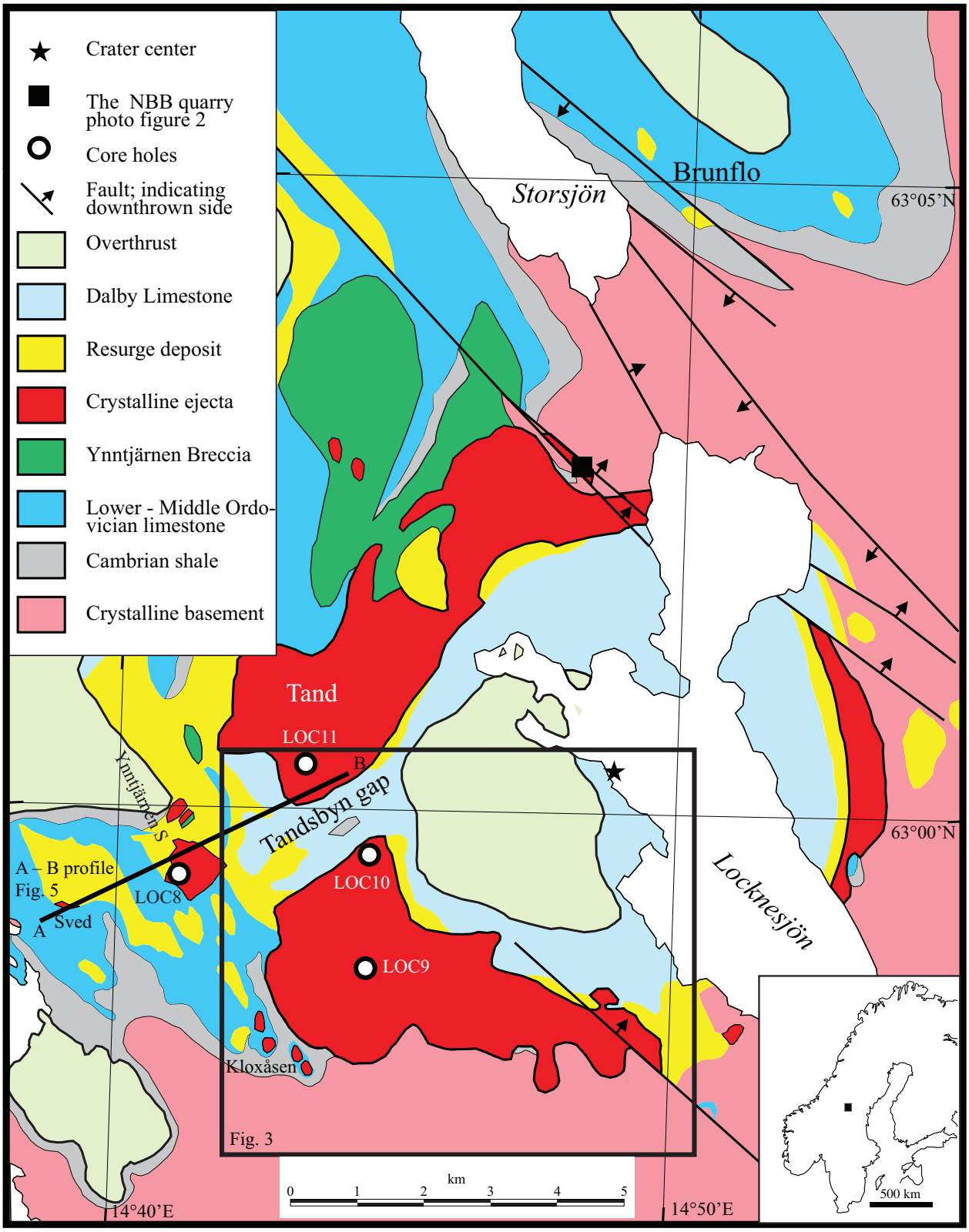


Fig. 1. The geological map of the Lockne impact. Note the doublet Målingen crater is located 16 km to the southwest outside the map. The location of the Lockne area is given in the insert. The distribution of crystalline ejecta from the inner, nested, basement impact crater is given in red. The two largest proximal ejecta fields are the northern and southern, which are crescent-shaped. "The NBB quarry" indicates the location of the locality "Nordanbergsberget quarry". The geological profile A–B is presented in figure 7.

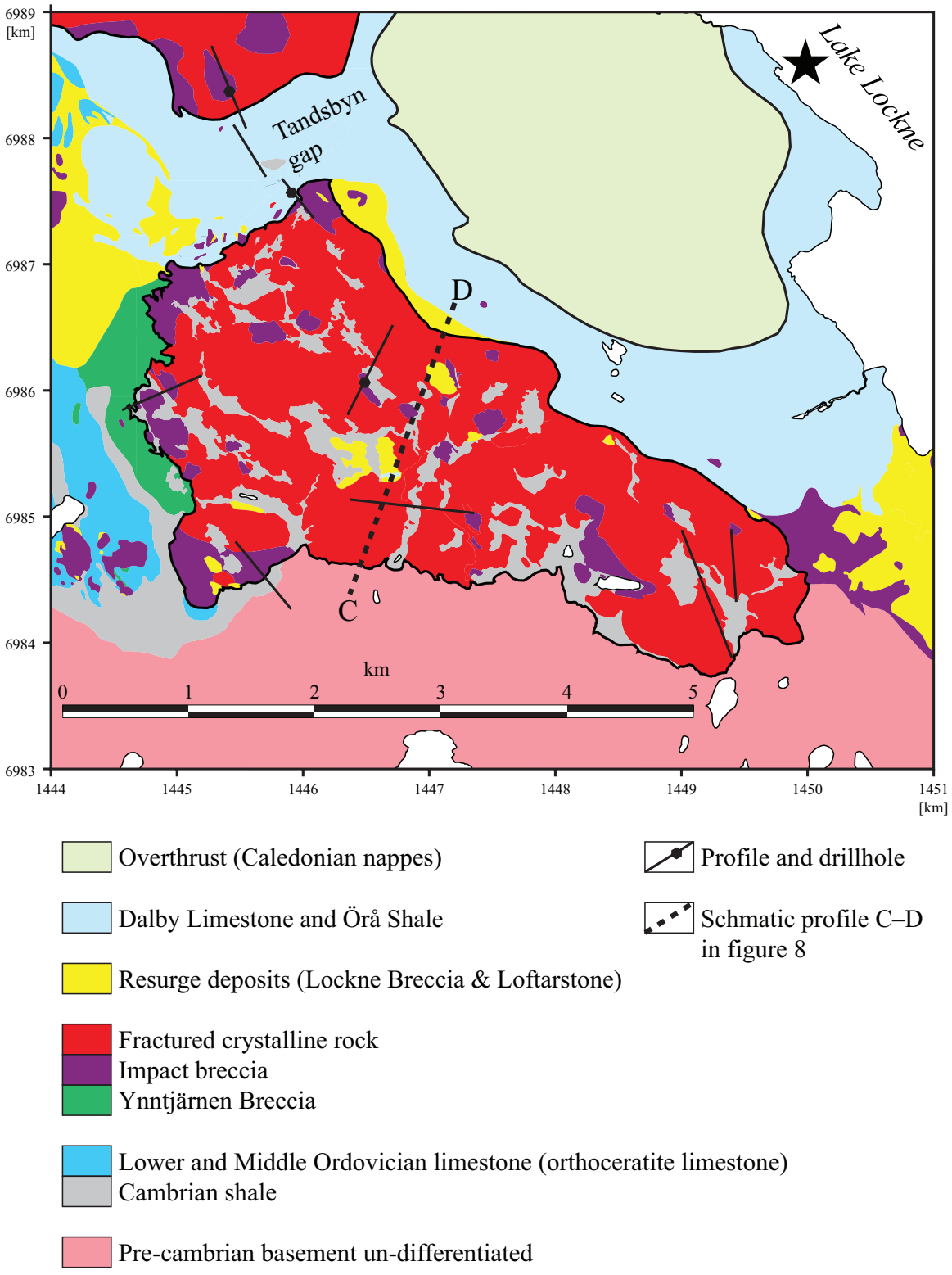


Fig. 3. A detailed geological map of the southern proximal ejecta and the Tandsbyn gap. The gap forms a down range opening through the basement impact crater rim. In the southern proximal ejecta field fractured and brecciated crystalline rock rest upon the floor of the outer impact crater, which is a surface stripped by a shallow excavation flow to outwards progressively higher stratigraphic levels. In addition to direct outcrop observations, the distribution of shale is suggested from the topography as well as strong link to swampy areas. The numbers of the profiles and the drill sites are given in figure 4. The coordinates are in the grid system RT 90, the official Swedish name for a transverse Mercator projection.