

SPECIAL REPORT NO. 1

SURFER Training Course for the Mapping of Groundwater Vulnerability and Hazards to Groundwater in Jordan

Author: Dr. Armin Margane (BGR)

Date: September 2005

Summary

SURFER is a very common and popular program used not only for interpolation of data but also for the preparation of 2D and 3D maps. Contrary to other programs its main advantage is its low price which makes it easily affordable even in poor countries.

In this case SURFER was used to generate a groundwater vulnerability map for the Karak – Lajjun Area (MARGANE et al., in prep.). This map is based on a method proposed by the German Geological Surveys (HOELTING et al., 1995) and is commonly referred to as the GLA method. More details about this method may be obtained from MARGANE et al. (1997) or MARGANE (2003). The application of SURFER for the preparation of such maps is straight forward and easy to handle.