Natural Resources Canada / Ressources naturelles Canada

DESCRIPTIVE NOTES

INTRODUCTION

The 1:100 000 scale map and the accompanying Open File 1794 magnetic2 (KTF-M-F-Plot100) present results of bedrock mapping in the Ellice Hills area (NTS 56 P/15), Nunavut, Canada, as part of the Geological Survey of Canada's targeted Geoscience Initiative (TGI) during the summer of 2002. The objectives of the project were to upgrade existing geological knowledge in the area, to provide new data for mineral exploration, and to further the understanding of geological maps for the region. The Ellice Hills map area (NTS 56 P) is underlain by northeast-trending rocks of the Paleoproterozoic Piling and Penrhyn groups, which are part of the Rae Domain, a subdivision of the Western Province of Laurentia and formerly Precious Investigations of the Committee Bay Belt (Figure 1-2). Include reconnaissance mapping (1:500 000) of Heywood (1962) and the subsequent 1:250 000 scale mapping in parts of the adjacent areas to the east (Taylor, 1982; Jackson, 2000; Jackson and Berman, 2000) and west (Heywood, 1962) provide a wider context (and an Hogan Bay Fig. 1), including the headwaters of the Snow River, but is a honest resource assessments by the Geological Survey of Canada (Jefferson and Kirkby, 1995; Chiarenzelli et al., 1995). As a result of the Committee Bay Project, the Ellice Hills area has been the focus of a number of studies, including a detailed structural study (Tella, 1983; Tella and Lewis, 1984; Tella and Schiavo, 1985; Schiavo, 1986; Schiavo and Tella, 1987; Schiavo, 1988; Schiavo, 1989; Schiavo, 1990; Schiavo, 1991; Schiavo, 1992; Schiavo, 1993; Schiavo, 1994; Schiavo, 1995; Schiavo, 1996; Schiavo, 1997; Schiavo, 1998; Schiavo, 1999; Schiavo, 2000; Schiavo, 2001; Schiavo, 2002; Schiavo, 2003; Schiavo, 2004; Schiavo, 2005; Schiavo, 2006; Schiavo,