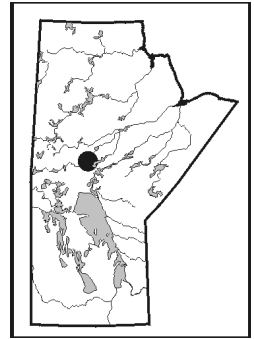


GS-9 THOMPSON NICKEL BELT PROJECT: PETROGRAPHIC AND CHEMICAL CHARACTERIZATION OF MAJOR LITHOLOGIES (PARTS OF NTS 63J, 63O AND 63P)

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McGregor, C.R. 1998: Thompson Nickel Belt project: petrographic and chemical characterization of major lithologies (parts of NTS 63J, 63O and 63P); in Manitoba Energy and Mines, Geological Services, Report of Activities, 1998, p. 39.



INTRODUCTION

In 1997, a petrographic project was initiated to provide better and more detailed lithographic descriptions of all units in the Oswagan Group lithostratigraphic column (McGregor, 1997). The project was expanded to include the surrounding Churchill and Superior lithologies in order to compare the Oswagan Group metasedimentary rocks with the reworked Archean gneisses and the Paleoproterozoic Kisseynew metasedimentary gneisses.

Sampling of Grass River and Burntwood metasediments and of Archean basement gneisses, was extended to the Clarke, Conlin, Gormley and Kiski lakes area, during the 1998 field season (Figure GS-9-1). Petrographic work on these rocks will be undertaken this fall and winter.

Microprobe analyses of selected samples from the Oswagan Group Pipe Formation (P1, P2 and P3) from Pipe II Open Pit will be initiated this fall in order to more precisely characterize the mineralogy.

RECENT INVESTIGATION

Seventy-two modal analyses were completed on the Oswagan Group metasediments (primarily Pipe and Setting Formations), the Grass River and Burntwood metasediments, and Archean basement gneisses. All analyzed samples except the Oswagan metasediments were collected during the 1997 field season.

REFERENCES

McGregor, C.R.
1997: Thompson Nickel Belt project: Petrographic and chemical characterization of major lithologies (parts of NTS 63J, 63O and 63P); in Manitoba Energy and Mines, Minerals Division, Report of Activities, 1997, p. 102.

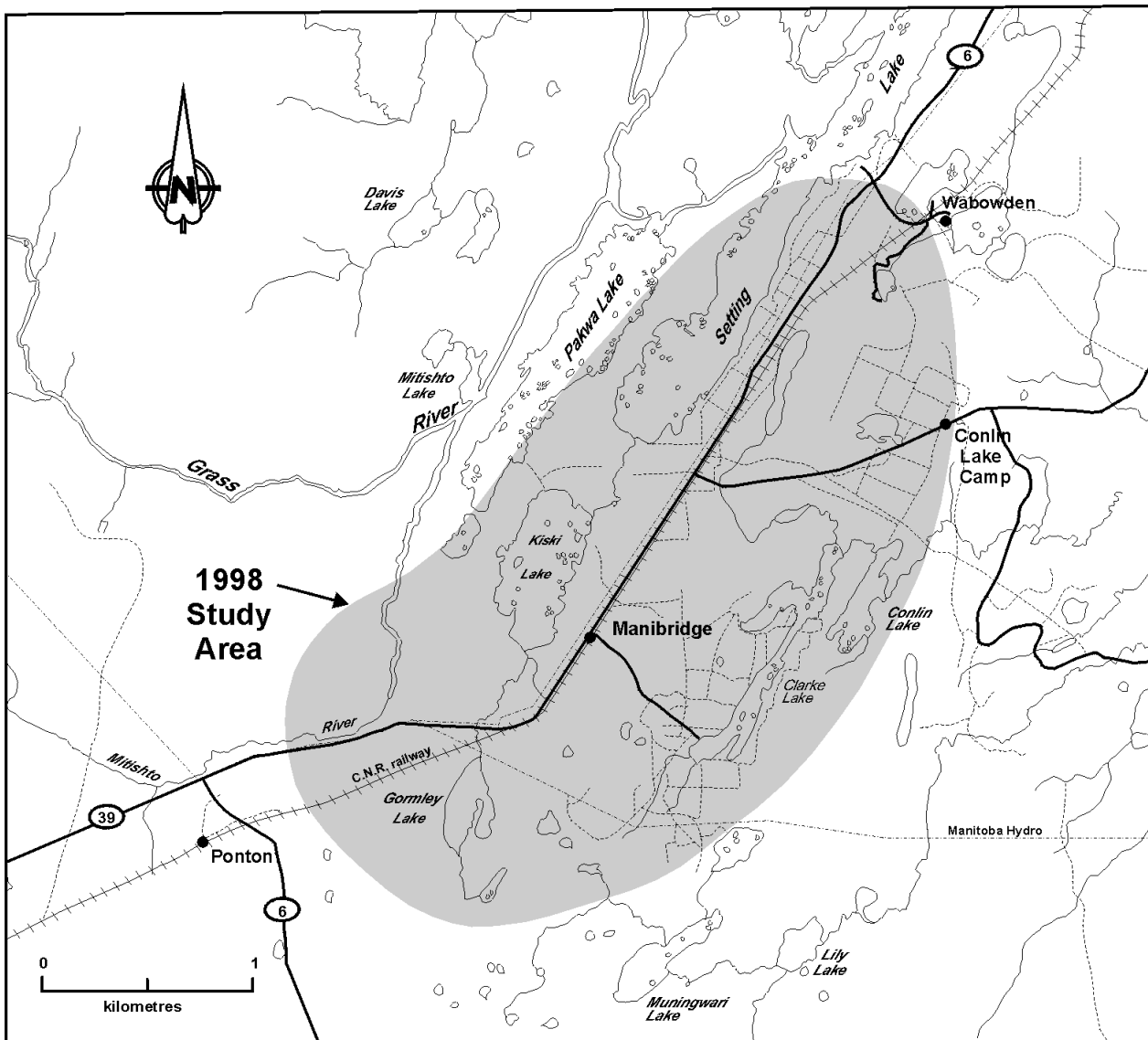


Figure GS-9-1: Sample collection area.