

1997 Seismic reflection data acquisition in the Western Superior Transect

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Approximately 800 km of seismic reflection data were acquired within the Lithoprobe Western Superior Transect during the period from Oct. 15 to Dec. 15 1997. 600 km of data were acquired along the main N-S transect corridor (Pickle Lake corridor) coincident with the 1996 seismic refraction line 2 (Swamp Lake Rd., Graham Rd., Vista Lake Rd., Hwy 599 to the Mussel-White mine). This profile crosses parts of Wawa, Quetico, Wabigoon, Uchi and North Cariboo subprovinces. An additional 156 km of data were acquired along the English River Rd. (Red Lake corridor) proceeding N from a starting point 5 km N of Hwy 17. This profile traverses the Winnipeg River and English River subprovinces, which are absent at the surface along the Pickle Lake corridor, and extends into the Uchi subprovince. A third profile of 40 km length was acquired just west of Dryden to cross the English River-Wabigoon subprovince boundary.

Processing of these data is currently underway. Brute stacks are completed for approximately 120 km of data from the Pickle Lake corridor and will be presented at the workshop.