

1976

RESOURCES

EXPLANATION

22 of 22


Holocene

Q94

Qg₂ / Qs₂ ➔ Pleistocene

Qs_1	
Qs_2	

Ob → Ordovician


 Precambrian

DESCRIPTION OF MAP UNITS

er. Units shown extending across water
ies indicate extensive exposure of bed-
k

odplain deposits, mostly silt and gravel
low flat surfaces adjacent to Black
er and Moose River, and swamp deposits

vel and gravelly sand which can be
tiny, pebbly, or cobbly. Sand matrix

relatively well sorted. Coarse material is as little as 10 percent. Vel layers and heavy mineral laminae are common.

e to very coarse sand, characteristically
l-sorted and containing heavy mineral
inclusions. It commonly contains a few

lated pebbles, cobbles or boulders, the unit as mapped includes a few gravelly sand beds. Sand occupies broad areas or plateaus as much as 25 m high

t of Black River. The sand is described
more detail in the text

d to silt- to clay-sized material, with
attered boulders and a few color-graded
y beds

1, poorly sorted, gravelly to bouldery
d, with little clay matrix where till
relies gneiss. Bedded sand, gravelly

included. The till is exposed in
lated hills, valley bottoms, and the
gins of the sand plateau

ick River Group massive limestone, includes areas where overburden thickness less than about 2 metres

Cambrrian gneiss, includes areas where
burden thickness is less than about
metres

pachs of sand (Qs)--Contour interval 10
33 ft), dotted where concealed

tact--dashed where inferred

dational contact

ple locality. Number indicates sample i

ple from well. Number indicates sample
n table

Table 2.--Content of heavy mineral concentrates by modal analysis
[percent, by weight; A, abundant; C, common]

Sample number	Percent ilmenite	Percent magnetite	Amphiboles	Orthopyroxene	Garnet	Diopside	Percent zircon	Epidote	Pyrite(?)	Percent rutile
1	34	28	A	A	A	A	1	C	C	>
3	34	39	A	A	A	A	2.5	C	C	
13G	36	30	A	A	A	A	3.5	C	C	
16G	46	24	A	A	A	A	2	C	C	>
19G	31	25	A	A	A	A	4.5	C	C	

Table 3.--Content of ilmenite magnetic fraction by X-ray diffraction
[N, major; n, minor; t, trace; nd, not detected]

Sample number	1	3	13G	16G	19G
Ilmenite	M	M	M	M	M
Hematite	M	m	m	M	m
Ulvospinel	nd	nd	m	t	nd
Other (mostly hornblende, hypersthene, and garnet; some unknowns)	M	M	M	M	M