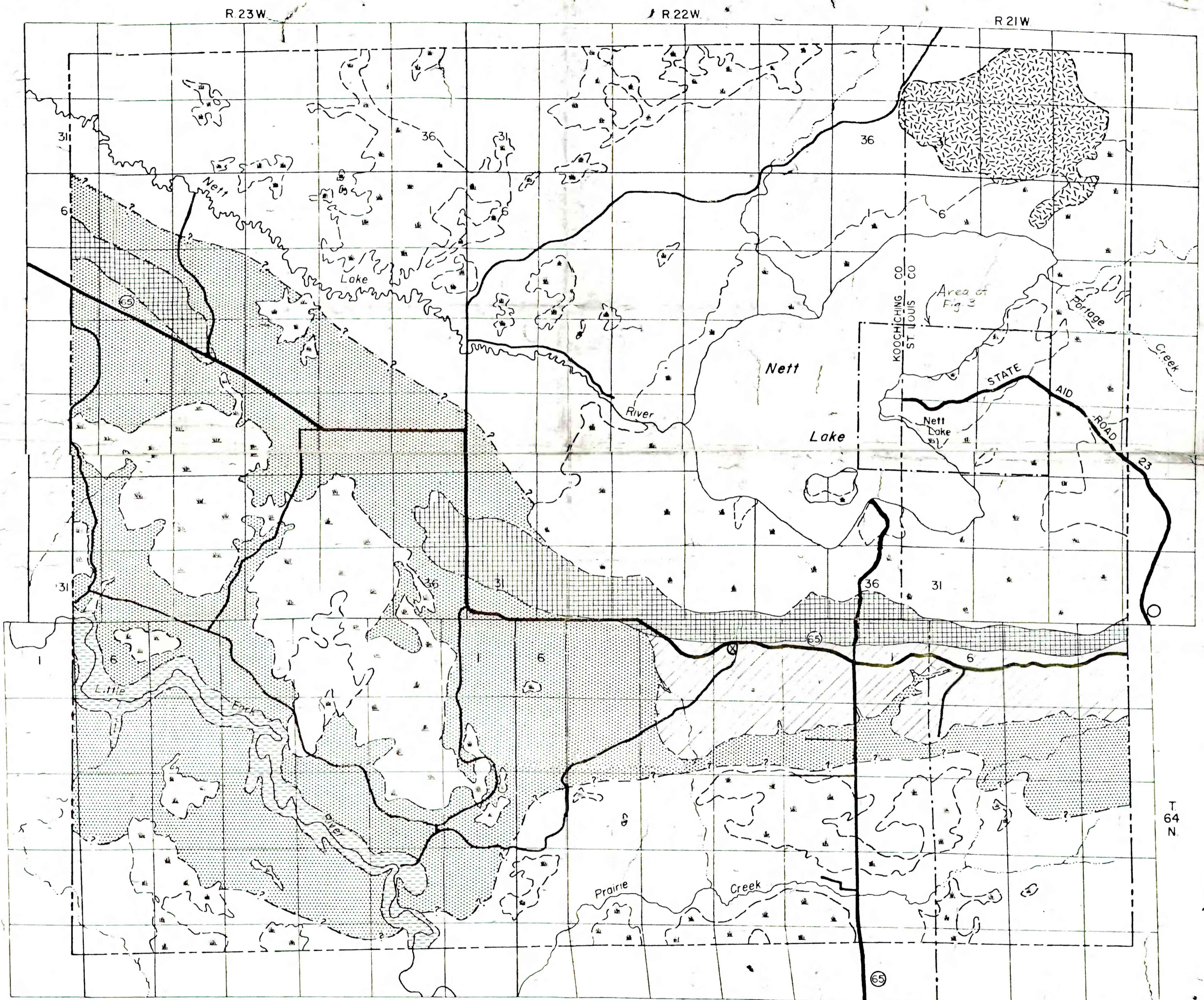


63-104



EXPLANATION

Recent

Alluvium and colluvium
Mostly deposits derived from the cut banks of the entrenched Little Fork River

Paludal (swamp) deposits
Consists chiefly of black silty soil and peat ranging in thickness from 0 to more than 7 feet; may include some areas of sand and lake-washed till. Only the more pronounced deposits are delineated

Pleistocene

lake and beach sand
Chiefly lake sands deposited in the littoral zone of glacial Lake Agassiz; contains some gravel, in places, and areas of swamp and lake-washed calcareous clay till. Large boulders on the surface are believed to be residual from washed-out parts of the end moraine

Ground-moraine deposits of St. Louis sublobe origin
Mostly lake-washed clay till; calcareous, gray, contains limestone pebbles; includes some sand and swamp areas

End-moraine deposits (Vermilion) of Rainy lobe origin
Most prominent directly south of Nett Lake; grades progressively downward to the east and west; partially obliterated by glacial material largely of sand and some gravel. Some fragments in segment south of Nett Lake believed to be of local origin

High outwash sand and gravel
Mostly medium sand with a fine to coarse gravel veneer to the east and some coarse ice-contact gravel to the west. The sand in the central part is more than 50 feet thick. The origin of the deposit is unknown, but it is believed to be largely composed of Rainy lobe material

Precambrian

Precambrian granite
Largely light-colored granite; ridges trend southwest; inter ridge area is till, sand, gravel, and swamp

Bedrock outcrop
Contains rocks of the Knife Lake Group. Mostly dark, dense, metamorphosed rocks cut by granitic dikes

Kame

Gravel pit

Geologic contact

All contacts approximate and inferred from aerial photographs.
Figure 2.--Surficial geology of the Nett Lake Indian Reservation, Minnesota.

Based from Central Highway Map of Minnesota. Geology transferred from unadjusted aerial photographs.



Geology by Ralph F. Horvitch, 1961.

Figure 2. - Surficial geology map of the Nett Lake Indian Reservation, Minnesota