

Table 3.--Chemical analyses of water from the Nett Lake Indian village

Locations of wells shown on figure 3

(Results are expressed in parts per million)

63-104

	Boness well	Osler well	Auger hole no. 20	Recommended U.S. Public Health Service Standards (1962) for Interstate Carriers
Analyst	M.D.H. <u>a</u> /	M.D.H. <u>a</u> /	U.S.G.S. <u>b</u> /	
Date of collection	7-14-60	7-14-60	10-5-61	
Silica (SiO ₂)	----	----	25	----
Iron (Fe)	4.0	2.3	5.3	0.3
Manganese (Mn)	.1	.09	.00	.05
Calcium (Ca)	----	----	97	----
Magnesium (Mg)	----	----	6.3	----
Sodium (Na)	----	----	6.2	----
Potassium (K)	----	----	4.9	----
Bicarbonate (HCO ₃)	----	----	293	----
Sulfate (SO ₄)	70	16	35	250
Chloride (Cl)	26	3.7	5.7	250
Fluoride (F)	.14	.15	.1	0.8-1.7 _c /
Nitrate (NO ₃)	----	----	.5	45 _d /
Nitrate Nitrogen (N)	less than 1	less than 1	----	----
Dissolved solids Total	----	----	----	500
Residue at 180°C	----	----	325	----
Hardness as CaCO ₃	470	410	270	----
Alkalinity as CaCO ₃	370	340	----	----
Specific conductance (micromhos at 25°C)	----	----	518	----
pH	----	----	7.1	----
Color	----	----	20	15

a/ Minnesota Department of Healthb/ U.S. Geological Surveyc/ Average concentration based on annual average of maximum daily air temperatures.d/ In areas in which the nitrate content of water is known to be in excess of the listed concentration, the public should be warned of the potential dangers of using the water for infant feeding.