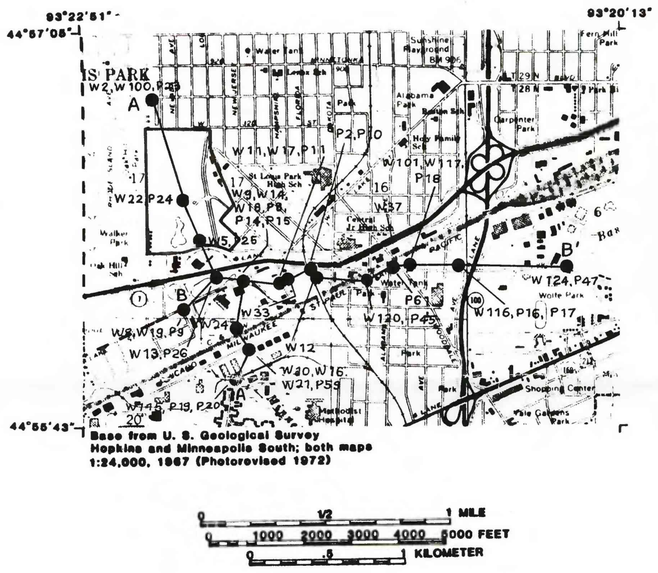
EXPLANATION

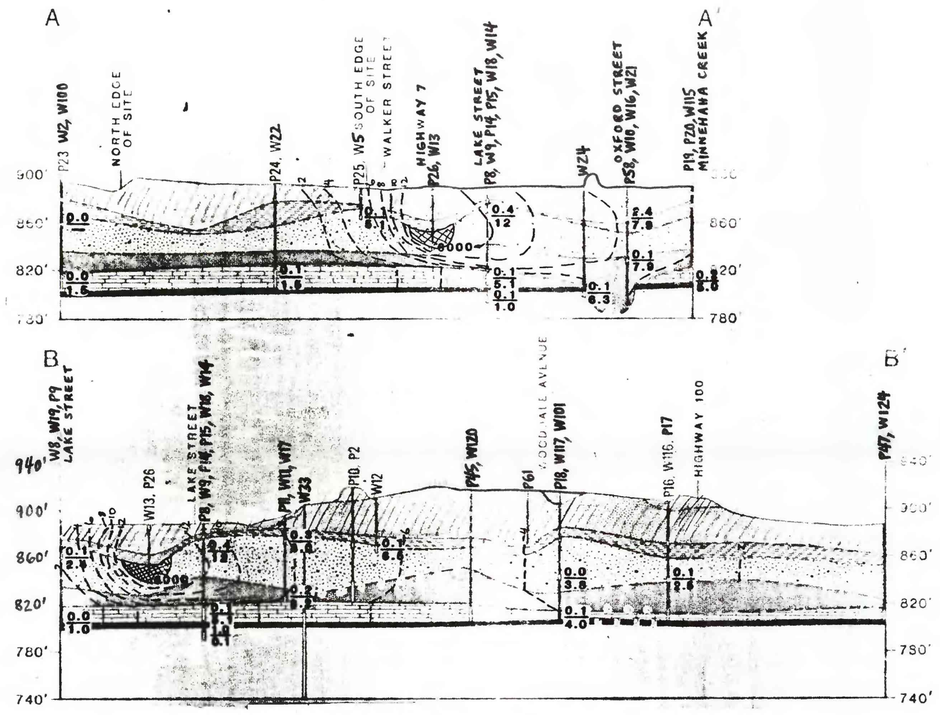
W5,P25 — Location of well or piezometer. "P" Prefix denotes small-diameter piezometer. "W" Prefix denotes 4-inch diameter or larger well. Number indicates well number or piezometer

A—A' — Line of section

Site of former plant



Location of observation wells



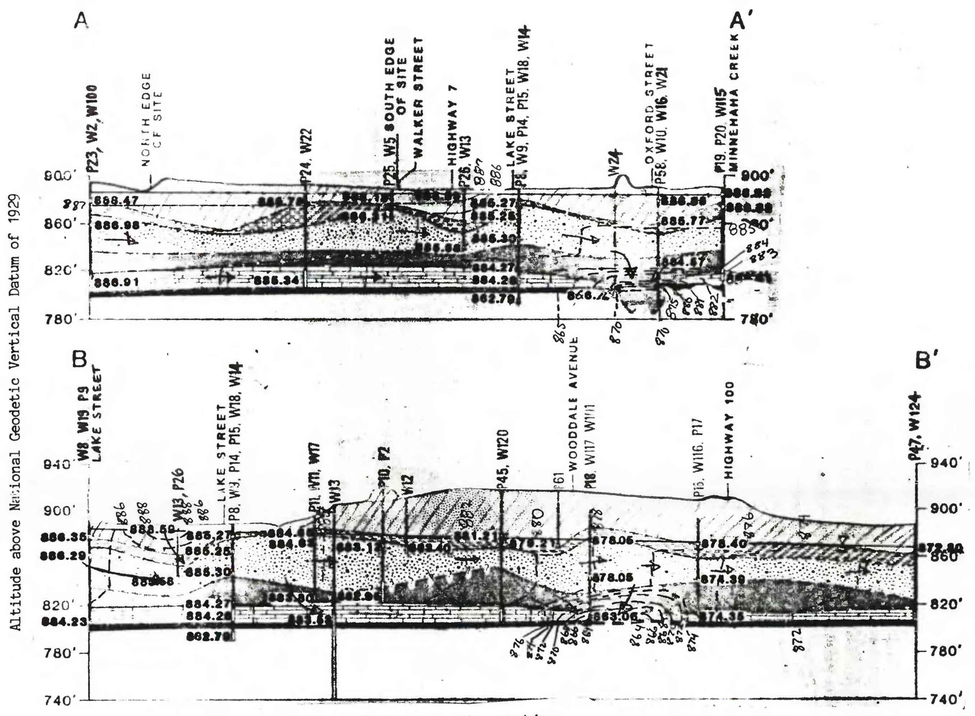
Distribution of organic carbon

Concentrations, in milligrams per liter

6000 — Total organic carbon. Symbol shows interval open to well sampled

0.1 / 4.0 — Upper number denotes suspended organic carbon. Lower number denotes dissolved organic carbon. Symbol shows interval open to well sampled

--12-- LINE OF EQUAL DISSOLVED ORGANIC CARBON CONCENTRATION -- interval variable



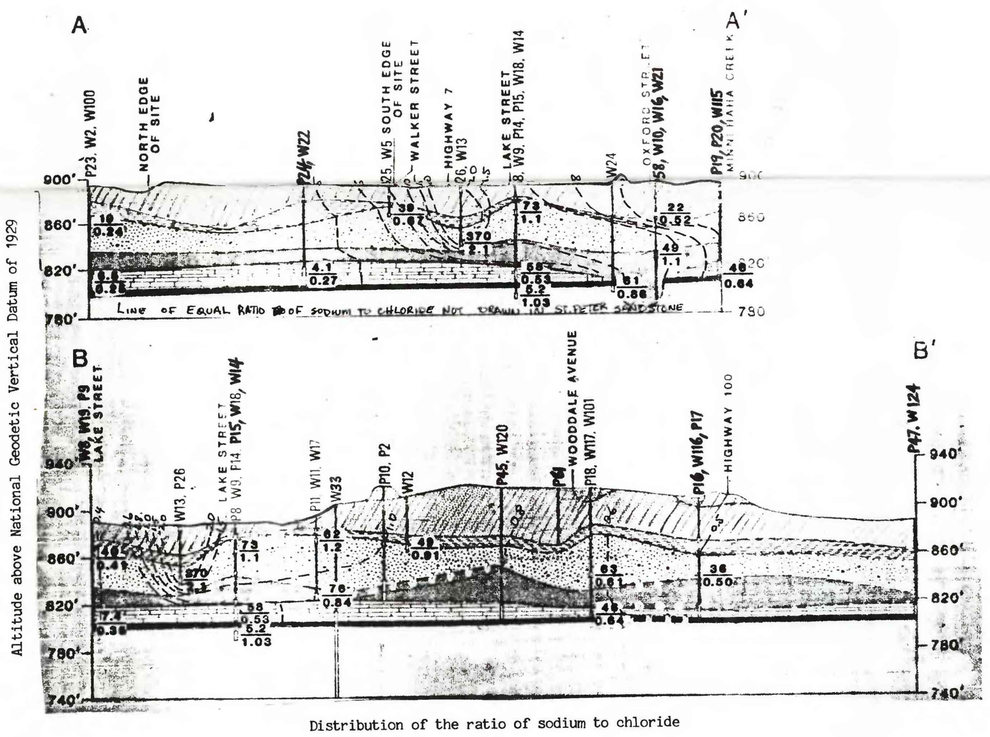
Hydrogeologic sections

881.21 — Water level, in feet above NGVD. Symbol shows interval open to well measured

--880-- EQUIPOTENTIAL LINE -- Shows altitude at which water level would have stood in tightly cased wells. Contour interval variable. Datum is NGVD

WATER TABLE -- Shows upper boundary of the saturated zone

Generalized direction of ground-water flow



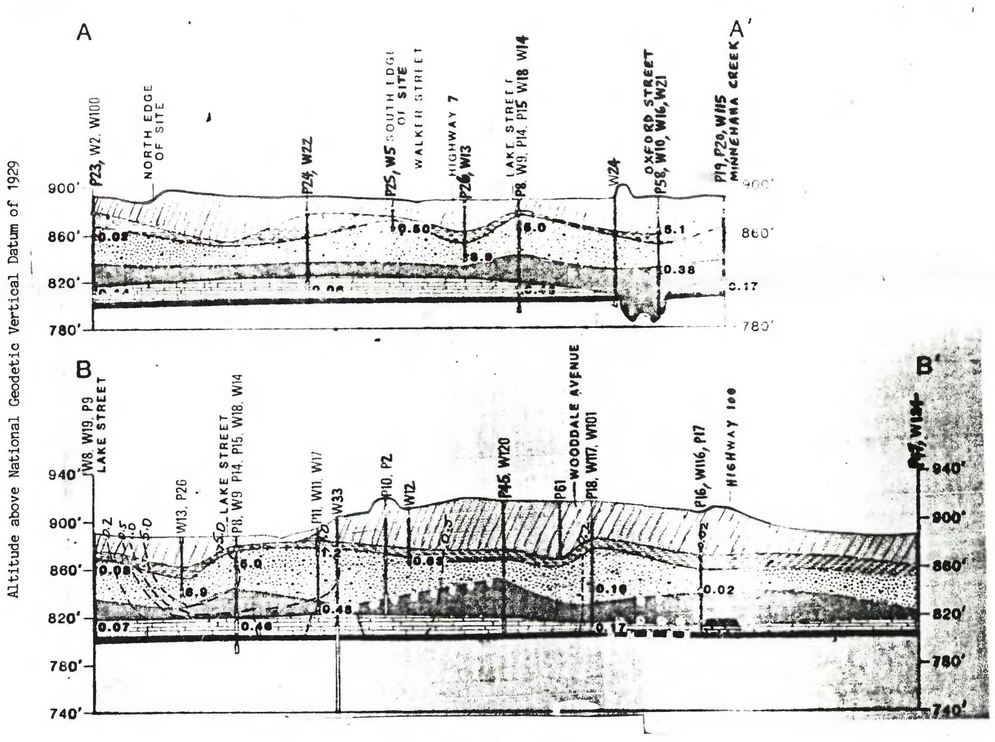
Distribution of the ratio of sodium to chloride

Upper number denotes sodium, in milligrams per liter. Lower number denotes ratio of sodium to chloride:

26 / 0.55 — Na, in milliequivalents per liter / Cl, in milliequivalents per liter

Symbol shows interval open to well sampled

--2.0-- LINE OF EQUAL RATIO OF SODIUM TO CHLORIDE--interval variable



Distribution of ammonia

Concentrations, in milligrams per liter,

5.1 — Total ammonia. Symbol shows interval open to well sampled

--1.0-- LINE OF EQUAL TOTAL AMMONIA-- interval variable

EXPLANATION

- Fill, peat and upper drift aquifer
- Lacustrine clay, and till confining bed, undifferentiated
- Middle Drift aquifer
- Basal drift complex
- Platteville aquifer
- Glenwood confining bed (thickness exaggerated for clarity)
- St. Peter aquifer

DATUM IS NGVD
VERTICAL EXAGGERATION x 12.5

0 1/4 1/2 MILE
0 500 1000 1500 2000 2500 FEET

GENERALIZED GEOLOGIC SECTIONS THROUGH THE DRIFT AND PLATTEVILLE AND ST. PETER AQUIFERS SHOWING DIRECTION OF GROUND-WATER FLOW AND DISTRIBUTION OF SELECTED CHEMICAL CONSTITUENTS IN FLUID PUMPED FROM WELLS MARCH-APRIL, 1979, ST. LOUIS PARK