INTRODUCTION

FIGURE 1.—LOCATION OF HOLLANDALE EMBAYMENT, SOUTHEASTERN, MINNESOTA

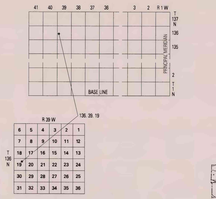


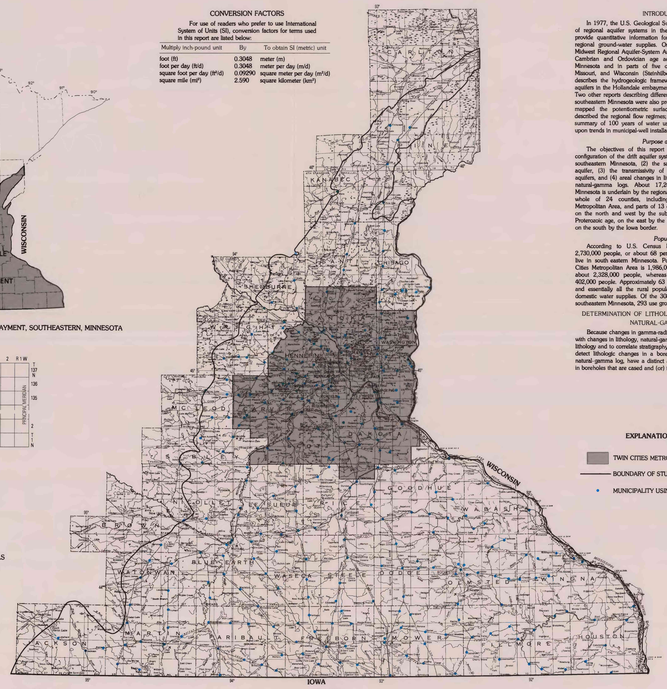
FIGURE 2A.—SYSTEM OF NUMBERING WELLS

The system of numbering wells that were gamma-logged is based on the U.S. Bureau of Land Management's system of subdivision of public lands. The well number, in addition to designating the well, locates its position in the land network. The first segment of a well number indicates the township north of the base line; the second, the range west of the principal meridian; and the third, the section in which the well is located. Figure 2A illustrates the method of numbering a test hole. Thus, the number 136N29W19 identifies a well in sec. 19, T. 136 N., R. 39 W.

CONVERSION FACTORS

For use of readers who prefer to use International System of Units (SI), conversion factors for terms used in this report are listed below:

Multiply inch-pound unit	By	To obtain SI (metric) unit
foot (ft)	0.3048	meter (m)
foot per day (ft/d)	0.3048	meter per day (m/d)
square foot per day (ft^2/d)	0.09290	square meter per day (m^2/d)
square mile (mi^2)	2.590	square kilometer (km^2)


MINNESOTA
IOWA
WISCONSIN
MISSISSIPPI RIVER
ST. CROIX RIVER
ZUMBRO RIVER
WHITEWATER RIVER
ROOT RIVER
CEDAR RIVER
WINONA
OLMSTED
FILLMORE
HOUSTON
MOWER
FREEBORN
STEELE
DODGE
WABASHA
GOODHUE
WASECA
RICE
DAKOTA
WASHINGTON
RAMSEY
CHISAGO
PIERCE
PEPIN
PRESCOTT
PIERCE
ST. CROIX
DUNN
PEPIN
BUFFALO
TREMPEALEAU
JACKSON
EAU CLAIRE
CHIPPEWA
CLARK
MONROE
LA CROSSE
VERNON
CRAWFORD
RICHLAND
GRANT
IOWA
LAFAYETTE
DANE
JEFFERSON
DODGE
COLUMBIA
SAUK
ADAMS
JUNEAU
MONROE
LA CROSSE
VERNON
CRAWFORD
RICHLAND
GRANT
IOWA
LAFAYETTE
GREEN
ROCK
WALWORTH
WAUKESHA
MILWAUKEE
OZAUKEE
WASHINGTON
DODGE
FOND DU LAC
SHEBOYGAN
MANITOWOC
KEWAUNEE
DOOR
MARINETTE
OCONTO
BROWN
KEWAUNEE
DOOR
MARINETTE
OCONTO
BROWN
OUTAGAMIE
WINNEBAGO
CALUMET
MANITOWOC
SHEBOYGAN
FOND DU LAC
WAUPACA
WAUSHARA
MARQUETTE
GREEN LAKE
ADAMS
PORTAGE
WOOD
JUNEAU
MONROE
JACKSON
CLARK
MARATHON
LINCOLN
LANGLADE
OCONTO
FOREST
FLORENCE
MARINETTE
MENOMINEE
SHAWANO