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FIGURES

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CONVERSION FACTORS AND VERTICAL DATUM

CONVERSION FACTORS

Multiply	By	To obtain
Length		
inch (in.)	2.54	centimeter
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
Hydraulic gradient		
foot per mile (ft/mi)	0.1894	meter per kilometer
Area		
acre	4,047	square meter
acre	0.4047	hectare
acre	0.004047	square kilometer
square mile (mi^2)	259.0	hectare
square mile (mi^2)	2.590	square kilometer
Volume		
million gallons (Mgal)	3,785	cubic meter
gallon per day (gal/d)	0.003785	cubic meter per day
inch per hour per acre (in/h/acre)	10.28	meter per hour per hectare
Flow rate		
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
million gallons per day (Mgal/d)	0.04381	cubic meter per second
inch per hour (in/h)	0 .0254	meter per hour
million gallons per day per square mile [(Mgal/d)/mi^2]	1,461	cubic meter per square kilometer
inch per year (in/yr)	25.4	millimeter per year
Hydraulic conductivity		
foot per day (ft/d)	0.3048	meter per day
Diffusivity		
foot squared per second (ft^2/s)	0.09290	meter squared per second

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$°C = (°F - 32) / 1.8$$

VERTICAL DATUM

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

Altitude, as used in this report, refers to distance above or below sea level.