

CHAPTER 15

15.0 MEASUREMENTS, ABBREVIATIONS, AND CONVERSIONS

15.1 LIST OF MEASUREMENTS

cm	centimeters
cm/sec	centimeters per second
cy	cubic yards
°C	degrees Celsius
°F	degrees Fahrenheit
ft	feet
km ²	square kilometers
m	meters
m ²	square meters
mcy	million cubic yards
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
ng/L	nanograms per liter
ppb	parts per billion
ppm	parts per million
µg/L	micrograms per liter
µM/L	micromoles per liter

15.2 UNIT CONVERSIONS

<i>Multiply</i>	<i>By</i>	<i>To Obtain</i>
milligrams per liter	1	parts per million (fluid)
milligrams per kilogram	1	parts per million (soils, sediments)
micrograms per liter	1	parts per billion (fluid)
nanograms per liter	1	parts per trillion (fluid)
feet	0.3048	Meters
miles (nautical)	1.853	Kilometers
miles (statute)	1.609	Kilometers
inches	2.540	Centimeters
cubic yards	0.7646	cubic meters
miles per hour	44.70	Centimeters per second
square feet	0.09290	Square meters
square miles (nautical)	3.434	square kilometers
$\mu\text{M/L}$	molecular weight	Micrograms per liter

15.3 MULTIPLES AND SUBMULTIPLES

<i>Prefix</i>	<i>Symbol</i>	<i>Equivalent</i>	<i>Factor</i>
nano-	n	billionth part	$\times 10^{-9}$
micro-	μ	millionth part	$\times 10^{-6}$
milli-	m	thousandth part	$\times 10^{-3}$
centi-	c	hundredth part	$\times 10^{-2}$
kilo-	k	thousandfold	$\times 10^3$