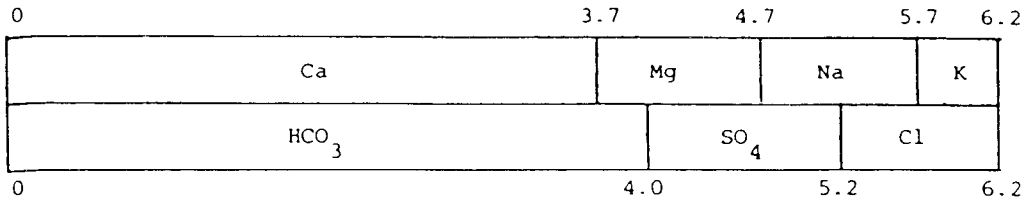
11.5 Draw a milliequivalents-per-liter bar graph for the following water analysis:

calcium hardness =	185 mg/l	alkalinity =	200 mg/l
magnesium hardness =	50 mg/l	sulfate ion =	58 mg/l
sodium ion =	23 mg/l	chloride ion =	36 mg/l
potassium ion =	20 mg/l	pH =	7.7

11.5 Calcium hardness = 185/50.0 = 3.7 meq/l
Magnesium hardness = 50/50.0 = 1.0
Sodium = 23/23.0 = 1.0
Potassium = 20/39.1 = 0.51
Alkalinity = 200/50.0 = 4.0
Sulfate = 58/48.0 = 1.21
Chloride = 36/35.5 = 1.01

All alkalinity is in the form of bicarbonate ion since the pH is between 4.5 and 8.3.



BC-10