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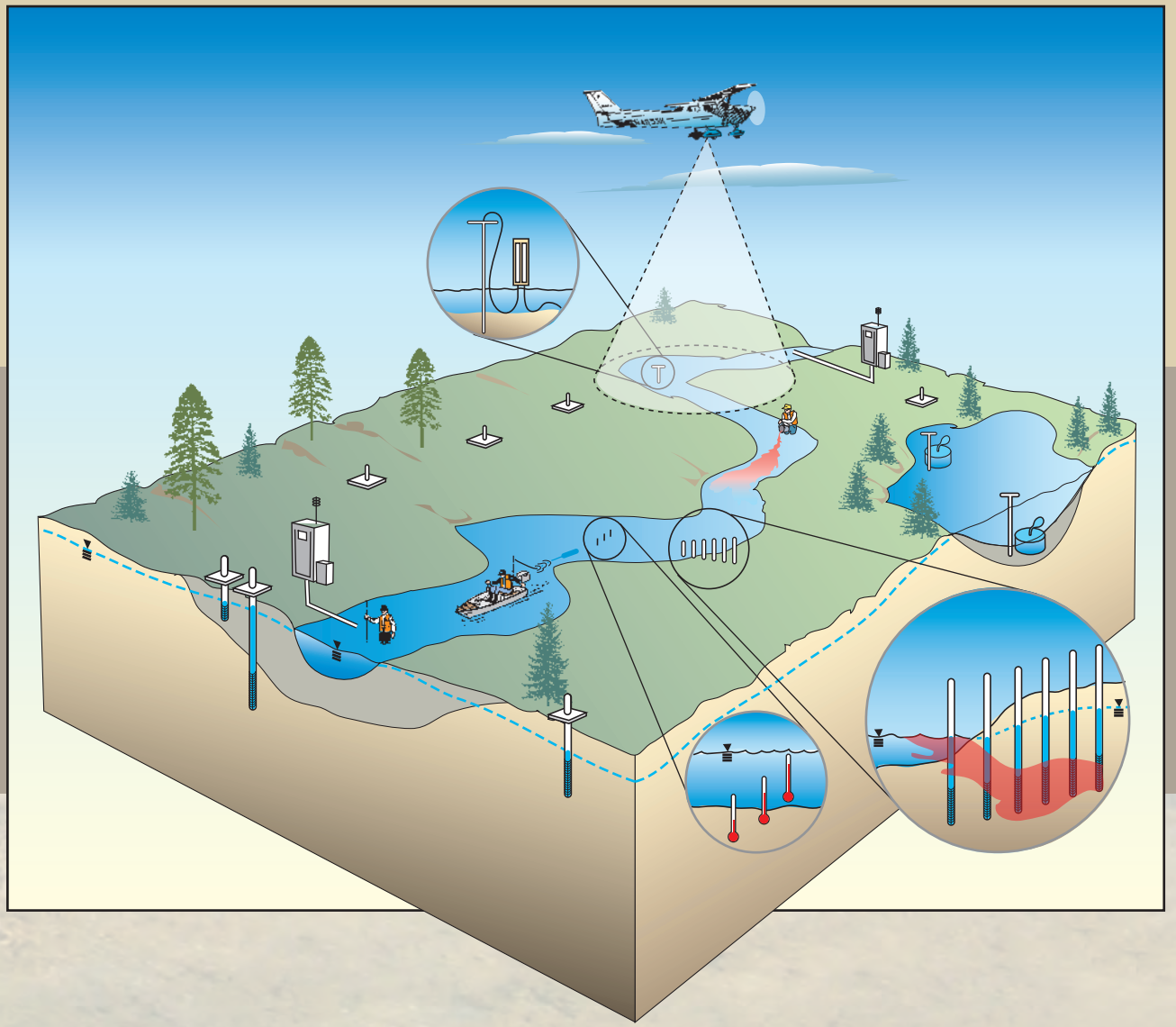
Field Techniques for Estimating Water Fluxes Between Surface Water and Ground Water



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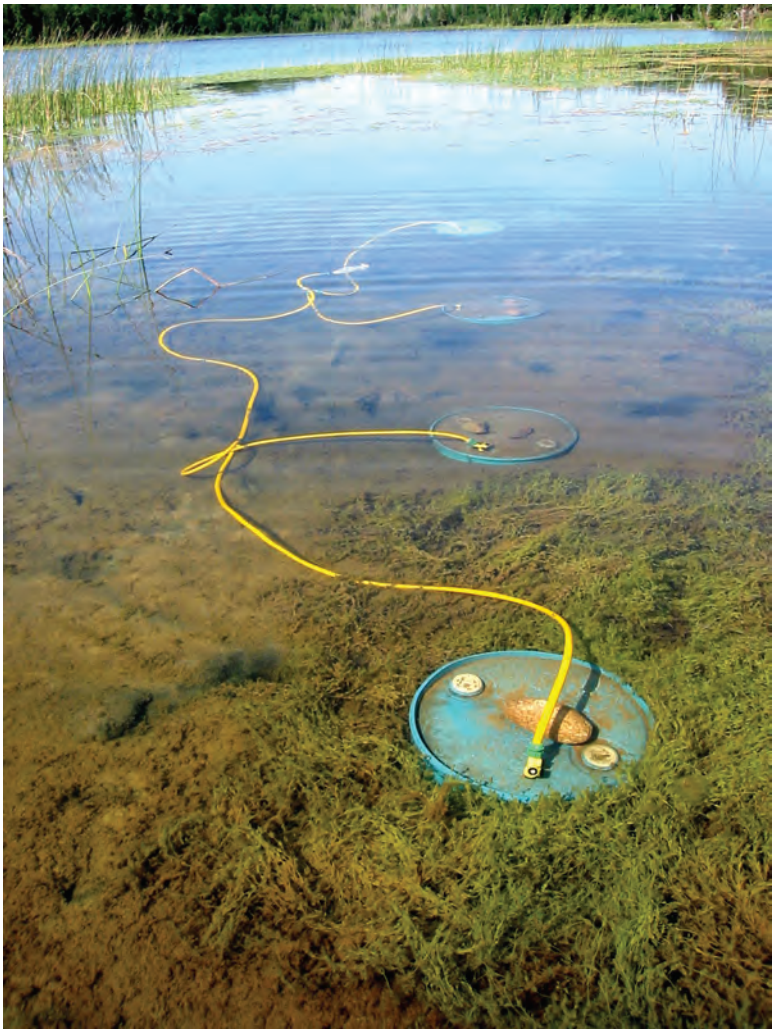

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Field Techniques for Estimating Water Fluxes Between Surface Water and Ground Water

Edited by Donald O. Rosenberry and James W. LaBaugh

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Conversion Factors, Definitions, and Abbreviations

Inch/Pound to SI

Multiply	By	To obtain
	Length	
kilometer (km)	0.6214	mile (mi)
meter (m)	3.281	foot (ft)
centimeter (cm)	0.3937	inch (in)
millimeter (mm)	0.03937	inch (in)
	Area	
square kilometer (km^2)	0.3861	square mile (mi^2)
square meter (m^2)	10.76	square foot (ft^2)
square centimeter (cm^2)	0.1550	square inch (in^2)
square centimeter (cm^2)	0.001076	square foot (ft^2)
	Volume	
liter (L)	0.2642	gallon (gal)
liter (L)	1.057	quart (qt)
liter (L)	61.02	cubic inch (in^3)
milliliter (mL)	0.06102	cubic inch (in^3)
cubic centimeter (cm^3)	0.06102	cubic inch (in^3)
cubic meter (m^3)	264.2	gallon (gal)
cubic meter (m^3)	35.31	cubic foot (ft^3)
	Flow rate, velocity	
milliliter per minute (mL/min)	0.06102	cubic inch per minute (in^3/min)
liter per minute (L/min)	0.2642	gallons per minute (gpm)
centimeter per day (cm/d)	0.0328	feet per day (ft/d)
meter per second (m/s)	283461	feet per day (ft/d)
	Pressure	
kilopascal (kPa)	0.1450	pound per square inch (psi)
kilopascal (kPa)	0.009869	atmosphere, standard (atm)
kilopascal (kPa)	0.3346	feet of water (at 39 degrees F)
kilopascal (kPa)	0.01	bar
	Mass to weight force	
gram (g)	0.0353	ounce (oz)
gram (g)	0.002205	pound (lb)
	Velocity	
knot (kn)	1.151	miles per hour (mph)
meter per second (m/s)	2.237	miles per hour (mph)
	Discharge	
cubic meters per second (m^3/s)	35.315	cubic feet per second (cfs)
liters per second (L/s)	0.03531	cubic feet per second (cfs)
	Thermal conductivity	
Watt per meter per degree Celsius (W/m/°C)	0.5778	BTU per foot-hour per degree Fahrenheit (BTU/ft-hr/°F)
	Energy	
Joule (J)	0.0009478	British thermal unit (BTU)

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

$$°F=(1.8×°C)+32$$

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

$$°C=(°F–32)/1.8$$

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