

# TREATMENT SIZE

Measure the treatment area in feet. Multiply the length (ft.) by the width (ft.).

Divide by 43,560 to convert to acres.

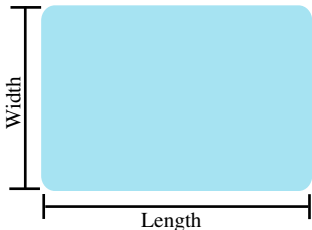
To estimate average depth, add deepest and shallowest points, then divide by 2.

Multiply acres by average depth in feet to determine volume in acre-ft.

Multiply acre-ft. by 325,830 to determine volume in gallons.

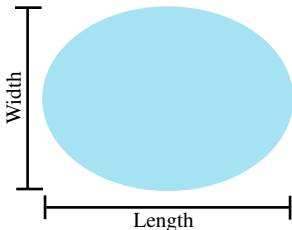
## Area of a Rectangle (acres):

$$\frac{\text{Length (ft.)} \times \text{Width (ft.)}}{43,560} = \text{acres}$$



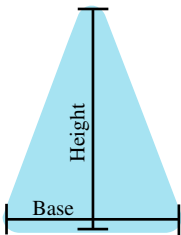
## Area of an Oval (acres):

$$\frac{\text{Length (ft.)} \times \text{Width (ft.)}}{43,560} \times 0.8 = \text{acres}$$



## Area of a Triangle (acres):

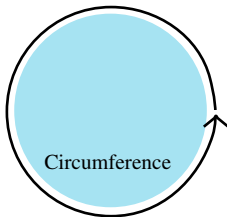
$$\frac{0.5 \times \text{Height (ft.)} \times \text{Base (ft.)}}{43,560} = \text{acres}$$



## Area of a Circle (acres):

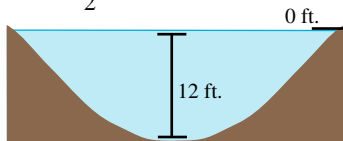
$$\frac{\text{Diameter (ft.)} \times \text{Diameter (ft.)}}{43,560} \times 0.8 = \text{acres}$$

$$\text{Diameter} = \frac{\text{Circumference}}{3.14}$$



## Average Depth (ft.):

$$\frac{\text{Deep (ft.)} + \text{Shallow (ft.)}}{2} = \text{ft.}$$



## Volume (acre-ft.):

$$\text{Area (acres)} \times \text{Average Depth (feet)} = \text{acre-ft.}$$

### Example:

0.5 acre pond with a 12 ft. depth.

Area (acre): 0.5 acre

Average Depth (feet):  $\frac{12 \text{ (deep)} + 0 \text{ (shallow)}}{2} = 6$

Volume (acre-ft.):  $0.5 \times 6 = 3.0$  acre-ft.