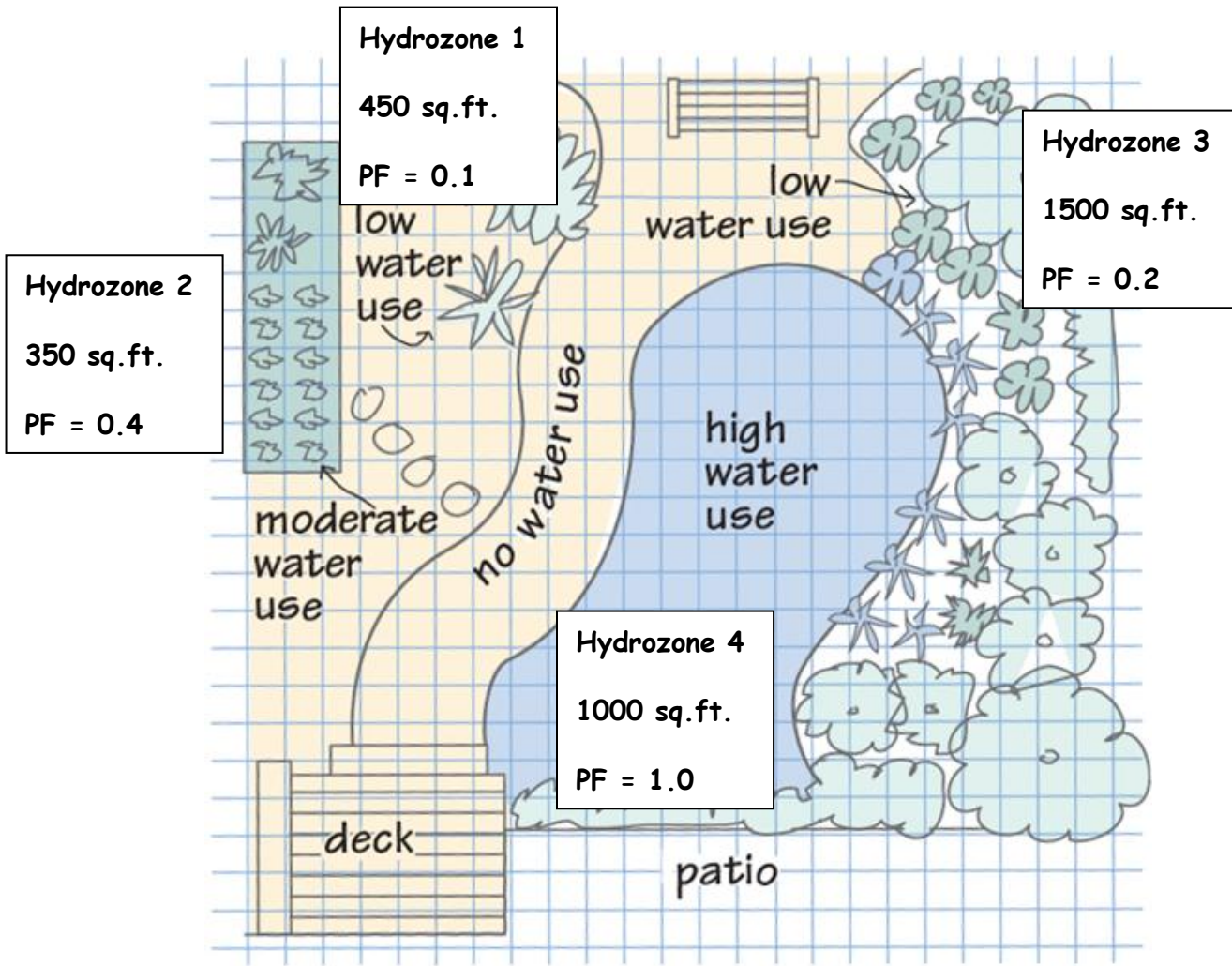


Example of How to Use Water Budget Method



Source: Santa Clara Valley Water District, "Rules of Thumb for Water-Wise Gardening"

Total Landscape Area (LA) (including water feature and excluding hardscape) is 3,300 sq.ft.

*Note: This example does not have a special landscape area (SLA). A **Special Landscape Area** is an area solely dedicated to one or more edible plants, or areas with recycled water, or water features using recycled water or areas open to the public, which are dedicated to active play such as parks, sports field, golf courses where turf is playing surface.*

Step One: Use the equation below to determine **Maximum Applied Water Allowance (MAWA)**.

$$MAWA = (26.536) [(0.7 \times LA) + (0.3 \times SLA)]$$

Where:

LA = Total Landscape Area including SLA in square feet

SLA = Special Landscape Area in square feet (See previous page for definition)

In this example the total Landscape Area (LA) is **3,300 square feet** and there is not an area considered to be a Special Landscaped Area (SLA).

So, the Maximum Applied Water Allowance is:

$$(26.536) [(0.7 \times \mathbf{3300}) + (0.3 \times \mathbf{0})] = \underline{61,298 \text{ gallons per year}}$$

Step Two: Fill out Hydrozone Table for use in Step 3.

To determine plant factors for hydrozones, use "A Guide to Estimating Irrigation Water Needs of Landscape Planting in California- Landscape Coefficient Method & WUCOLS III" that can be downloaded from California's State Department of Water Resources

(<http://www.water.ca.gov/wateruseefficiency/docs/wucols00.pdf>)

Hydrozone Table for Calculating ETWU

Hydrozone	Plant Water Use Type(s)	Plant Factor (PF)	Area (HA) (square feet)	PF x HA (square feet)
1	Low water use	0.1	450	45
2	Moderate water use	0.4	350	140
3	Low water use	0.2	1500	300
4	High water use- Water Feature/Pool	1.0	1000	1000
Sum of PF x HA =				1485

Step Three: Use Hydrozone Table Results and equation below to determine the Estimated Total Water Use (ETWU).

$$ETWU = (26.536) \left(\frac{PF \times HA}{IE, \text{ which is } 0.7} + SLA \right)$$

Where:

ETWU	=	Estimated Total Water Use
PF	=	Plant Factor in relation to hydrozones from WUCOLS
HA	=	Square feet of Hydrozone Areas
IE	=	Irrigation Efficiency (assumed to be 0.7)
SLA	=	Square feet of Special Landscape Area

Using the data from the hydrozone table, the **Estimated Total Water Use (ETWU)** is:

$$(26.536) (\mathbf{1485/0.7} + \mathbf{0}) = \underline{56,294 \text{ gallons per year}}$$

Step Four: Compare ETWU and MAWA. The Estimated Total Water Use (ETWU) CANNOT EXCEED Maximum Applied Water Allowance (MAWA). In this example, the ETWU is 56,294 gallons, which is less than budgeted MAWA 61,298 gallons. Therefore, this example complies with the water ordinance.