

# SPOC

The 4 basics to having a healthy Pond

## Surface area

(By this I don't mean water surface)

Create lots of surface area for beneficial bacteria to colonise on.

Rock and river gravel also a biological filter if possible.

## Plants

Scientific name Phytofiltration.

During construction create shallow shelves for marginal plants.

40% to 60% of the ponds water surface area should be in plants, planted directly in the pond (No Baskets) or an active bog filter 10% to 20% of ponds water surface area.

## Oxygen

Your ponds ecosystem needs lots of oxygen, especially at night.

Run pumps, waterfalls, fountains 24/7 use air pumps and air defuses if there is no waterfall or fountain.

## Circulation

The pump rating needs to be at least the same litres per hour as the pond volume e.g. 10,000 litre pond needs a 10,000 litre per hour pump or larger.

Pump intake needs to be at the opposite end of the pond to where water returns into the pond.

**These are the 4 most important basics, there are many other things that can effect the balance in your pond, for more information see my Free Resources page at <http://aquaticlifestyles.co.nz/pond-design-info/> or contact me directly 027 4751336. info@aquaticlifestyles.co.nz**

# SPOC

The 4 basics to having a healthy Pond

## Surface area

(By this I don't mean water surface)

Create lots of surface area for beneficial bacteria to colonise on.

Rock and river gravel also a biological filter if possible.

## Plants

Scientific name Phytofiltration.

During construction create shallow shelves for marginal plants.

40% to 60% of the ponds water surface area should be in plants, planted directly in the pond (No Baskets) or an active bog filter 10% to 20% of ponds water surface area.

## Oxygen

Your ponds ecosystem needs lots of oxygen, especially at night.

Run pumps, waterfalls, fountains 24/7 use air pumps and air defuses if there is no waterfall or fountain.

## Circulation

The pump rating needs to be at least the same litres per hour as the pond volume e.g. 10,000 litre pond needs a 10,000 litre per hour pump or larger.

Pump intake needs to be at the opposite end of the pond to where water returns into the pond.

**These are the 4 most important basics, there are many other things that can effect the balance in your pond, for more information see my Free Resources page at <http://aquaticlifestyles.co.nz/pond-design-info/> or contact me directly 027 4751336. info@aquaticlifestyles.co.nz**