CALCULATION CHART

ROCK CALCULATION FOR PONDS	(L in meters x W in meters)/4.1 = metric tonnes of Rock & Boulder Use 1:2:1 Ratio . So for every 1 tonne of 15 - 30 cm rock : 2 tonne of 30 - 45 cm rock : 1 tonne of 45 - 60 cm Boulder. Using a variety of sizes makes the pond look more natural. Example: 5m x 5m pond needs (5x5)/4.1 = 6.1 tonnes of Rock & Boulder. So 6.1/4 = 1.53. Therefore use 1530 Kg of (15-30cm rock) and 3060 Kg of 30-45cm rock and 1530 Kg of 45-6 cm Boulders.
PEBBLE CALCULATION FOR PONDS	Use 30% of required metric tonnes of POND Rock & Boulder Gravel 1-4 cm size Example: 6.1 tonnes of Rock & Boulder required x 0.3 = 1830 Kg or 1.83 tonne
ROCK CALCULATION FOR STREAMS	For every 3m of Stream use 1.4 metric tonnes of rock using 1:2:1 ratio as above To have a 6m stream into the pond use 2.8 metric tonnes of rock. You will need 700 Kg of 15-30cm rock and 1400Kg of 30-45cm rock and 700 Kg of 45-60cm rock.
PEBBLE CALCULATION FOR STREAMS	Use 30% of required metric tonnes of STREAM Rock & Boulder Pebble 1-4 cm size Example: 2.8 tonnes of STREAM Rock & Boulder required above x 0.3 = 840 Kg
ROCK CALCULATION FOR THE FACE OF THE BIOFALL	Mini or Signature BIOFALLS use 1 tonne of large boulder Use beautiful character boulders
APPROXIMATE VOLUME OF WATER IN A POND	Length (L) x Width (W) x Depth (D) x 1000 = Volume of water in Litres Example: 5m long x 5m wide x 0.6m depth x 1000 = 15,000 Litres
APPROXIMATE VOLUME OF WATER IN A STREAM	L x W x 77 = lts in flow. Example: 3m x 0.6m x 77 = 138.6 lts.
HOW BIG SHOULD YOUR PONDLESS WATERFALL RESERVOIR VOLUME BE?	L x W x 77 x 2 Example: (3m x 0.6m x 77) x 2 = 277.2 lts.
AQUABLOX REQUIRED IN RESERVOIR	Reservoir basin volume /121 for large aquablox or 64 for small aquablox = Aquablox required. Example : 277.2/121 lts = 2 .2 Always round up so use 3 large aquablox