

Living Water Flowforms



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To all our good friends and customers welcome to our fourth newsletter titled "Splashes".

Ideas about how Flowforms and plants can improve the quality of dam water for irrigation



Regenesis Farm Dam - Mullumbimby NSW

The Concept of digging a hole in the ground and storing pristine clean water within, is really a bit of a pipe dream. What with, high water temperatures, lack of plant species to form any type of Aquatic symbiosis, no flow or movement, it really is no wonder that most of these "turkey nest" dams are a bit of a failure.

Muddy, stagnant, warm and often the recipient of large amounts of nutrient from livestock effluent runoff, the traditional Australian dam does need attention.

Typically, in nature, solutions are found to be related to prevailing conditions and influences. Often benefits can be found by observing plants growing in the local water courses and systems and adopting some of those species to your own situation. Planting shrubs and or small local trees can have a good effect on reducing water temp' as well as lifting the water table.

The concept that we loose water to those shrubs is not entirely untrue but more often than not the benefits far out weigh the loses. Deeper areas within the dam are always desirable because deeper water is cooler and allows habitat for Aquatic species. Livestock should really be kept away from dams as we have all seen the damage they

cause. If this is impractical what about fencing off most of the dam and just leaving an area large enough to access the water. This area can then be covered in paddock rock to stop muddying and erosion.

The axiom Comprehend and Copy Nature or C2 is a great tool for understanding more about our Mother, Nature.

We have often received enquiries about how dams can be improved with Flowforms, specifically for irrigation on larger farms. Due to their large nature, multiple sets of Flowforms are often needed to make any real effect upon water quality in dams.

This unfortunately is cost prohibitive. It occurs to me that a reed or plant filter beds supplying a Flowform sump would not only improve water quality, but concentrate Oxygen in a smaller water body ready for irrigation.

This system comprises of a channel feeding a smaller dam with 2 sets of Vortex 7 Flowforms in either Concrete, Fibreglass or marble. The channel would be stacked with bluestone rocks of diminishing sizes. Starting out with 150mm rocks stacked in gabions (galvanised steel mesh bags or cubes filled with rock as used on retaining walls). From 150 to 100mm then 50mm then 25mm, then finally 150mm again to support the whole rock mass. On top of this rock filter is a thin layer of soil in which is planted Reeds, Vetiver, Canalillies, mints or whatever water cleaning plants suit your area.

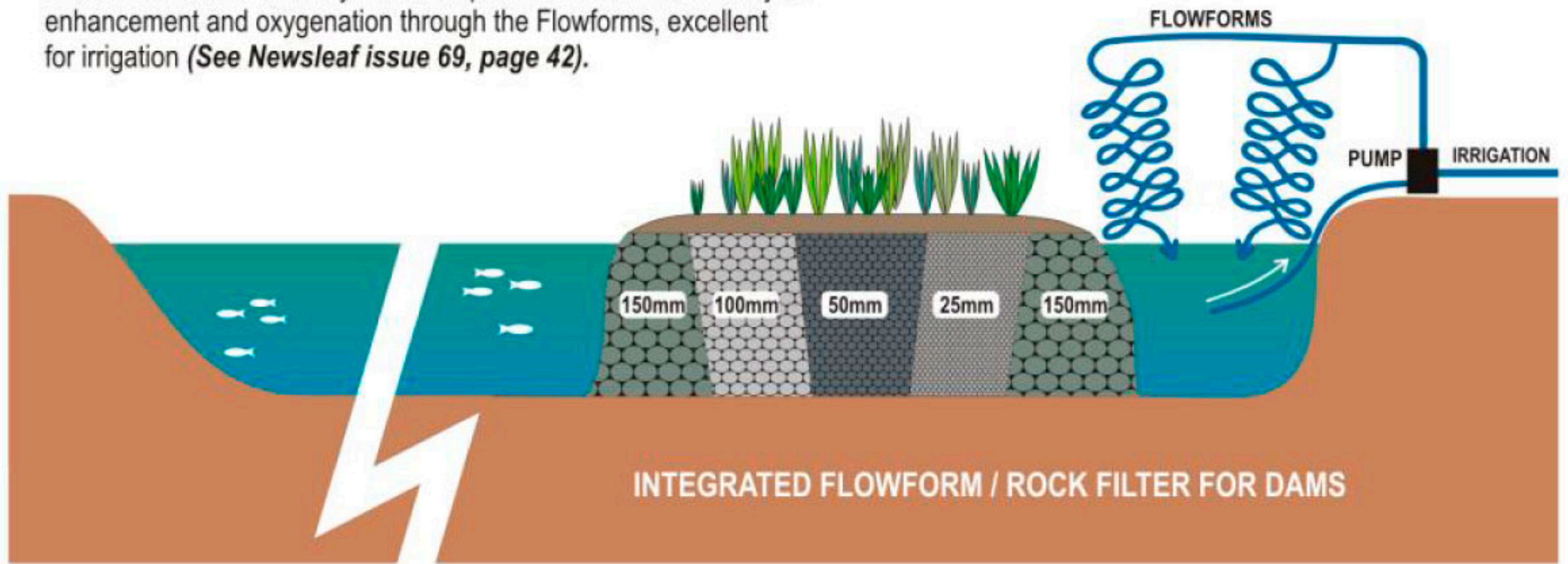
The water seeps through the rock filter into the smaller holding dam where the Flowforms provide Oxygen and energies to enhance the water, unwanted nutrients and heavy metals are absorbed by the plants. The channel would need to be 2-3mtrs wide and deep depending of the dam size, with a length of at least 6mtrs, preferably 10mtr (**SEE SKETCH Page 2**).

The holding dam can be relatively small, (10mtr diam' x 4-5 mtrs deep) round bottomed with steep sides to enable the Flowforms to pour into the dam. The suction hose from the irrigation pump would need to be placed fairly close to where the Flowforms pour into the holding pond.

For more information contact Phil on 02 6685 5417 - www.livingwaterflowforms.com

Ideas about how Flowforms and plants can improve the quality of dam water for irrigation

Water flows through the rock beds to the pump chamber. Plants and reeds absorb nutrients and heavy metals to provide filtered water ready for enhancement and oxygenation through the Flowforms, excellent for irrigation (See Newsleaf issue 69, page 42).

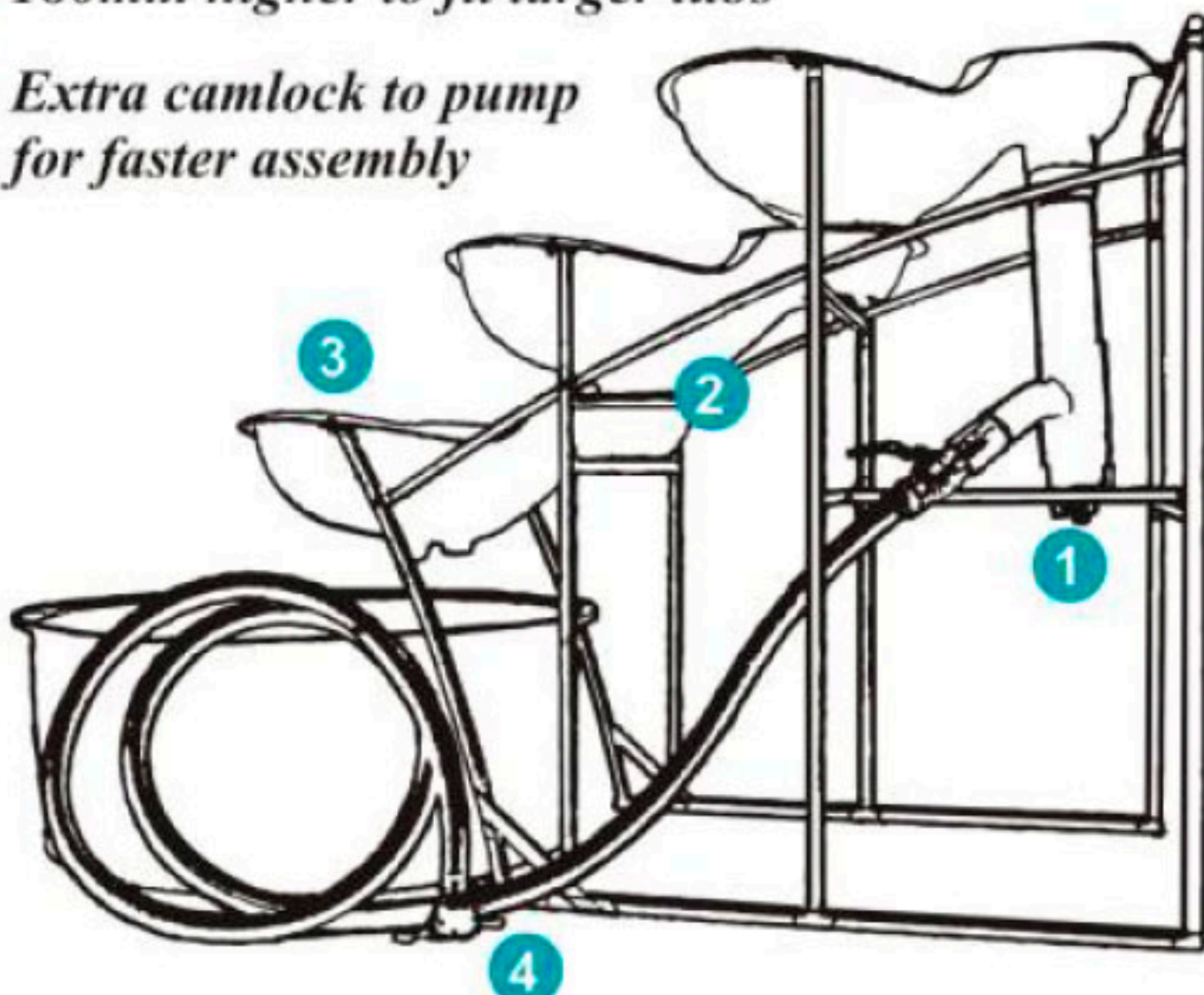


Vortex 3.MK 4

Flowforms are specially-designed concrete or fibreglass vessels which rejuvenate water by natural means. The "Vortex" model Flowform is ideal for optimizing BioDynamic Preparations as well as converting effluent into useable water for plant/animal use.

In operation, three to seven Flowforms are arranged in a stepped formation (as shown), liquid is pumped into the top Form and then cascades naturally through the formation to a tub at the bottom. The liquid can be recirculated as many times as desired.

- 1 Drain pipe reduces waste
- 2 Long life fibreglass splash plates
- 3 180mm higher to fit larger tubs
- 4 Extra camlock to pump for faster assembly



NEW PRODUCTS

M2 ON IT'S WAY

We have recently undertaken the major project of building a large Flowform for dams and resort water features. Nick- named the "M2" the form is approx' 3.1 x 2.8 mtrs with a flow rate of up to 1000ltrs/minute.

This project will take at least 6-12 months and be constructed in fibre glass as a finished form. The M2 will fill a much needed gap in our Flowform range. The Flowform will be large enough to handle a medium to small creek.

Marble Beehive

To combat the problem of water wearing concrete we've decided to manufacture marble Flowforms. The usual colours of Sandstone, Terra cotta and Natural will be available.

