

## Helpful information

### Reedbed area for cleaning of Domestic Waste water

Output per person = c 0.2 cu m/day  
- area required = c 2.5 sq m

Output per family of 4 = c 1 cu m/day  
- area required = c 10 sq m

4 Holiday Cottages (in continual use) may require  
c 50 sq m.

6 Caravans ( less water use, no baths or laundry etc)  
may require c 50 sq m

Treatment of 1 cu m. output per day requires c 10 sq m  
of Reedbed.

### Reedbed Area required for Commercial or Process wastes and Agricultural surface run off

This depends on the level of contamination and it's form  
in the water.

It may vary from solid effluents to nutrients, heavy  
metals or other general contaminants, and these may be  
of varying biological oxygen demand (BOD's) and  
chemical oxygen demand (COD's)

These may require larger areas according to their  
volumes and their strengths. Consultation may be  
required.



Newly planted Phragmites in gravel reedbed  
prior to increasing water level

## For Wetland, Pond, Reedbeds & Riverbank plantings

- Water treatment & Reedbeds
- Develop wetlands & river margins
- Create shelterbelts & screening
- Reduce riverbank erosion
- Improve returns from marginal land
- Establish hedgerows & wildlife habitats

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### Cheviot Trees can help with

- ✓ *Design*
- ✓ *Grant Application*
- ✓ *Plant supply*
- ✓ *Plant protection & support*
- ✓ *Planting*
- ✓ *Weed control*
- ✓ *Aftercare and maintenance*

Contact us to discuss your requirements



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# CHEVIOT TREES



## A GUIDE TO POND & REEDBED CREATION

## Terms and Descriptions

### Tree & shrub areas

Pond bankings and surrounds, comfortably above high water level, suitable for trees and shrubs, possibly providing shelter or screening and wildlife habitat.

### High water level

The line to which water may rise in wet or winter weather, or at peak flow.

### Low water level

The line below which water doesn't normally drop.

### Shallow water margin

c 0-30cms, where marginal species would be included to form attractive decorative fringes.

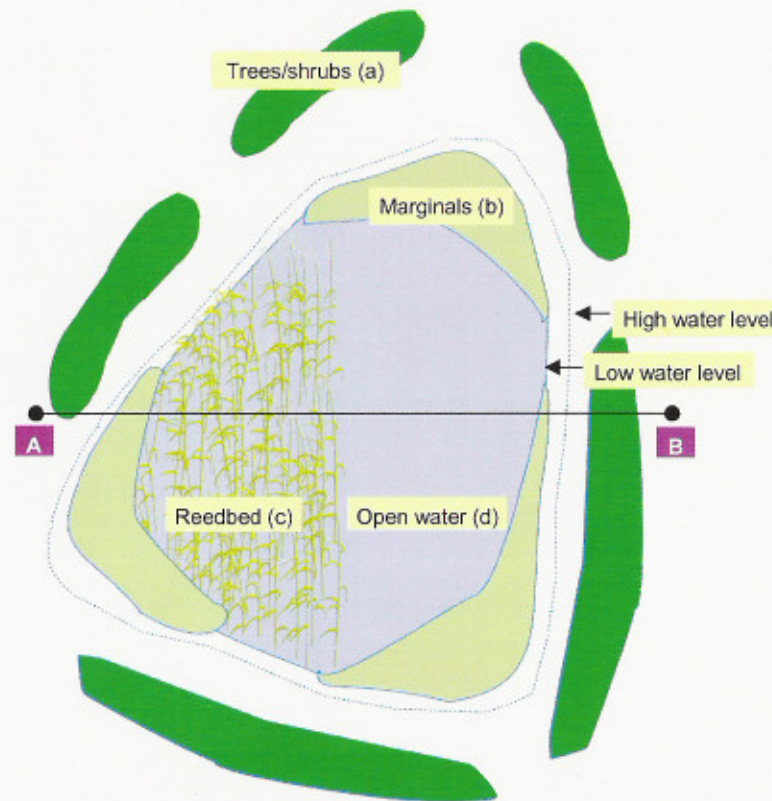
### Mid depth water

c30cms-1.0mtr, suitable for Reeds and 'working plants' (Reedbeds and water treatment).

### Deep, open water

c1.0mtr +, deep water where plants do not normally grow.

## Reedbed/Pond Plan



## Suggested Species List

### Tree & Shrub areas (normal ground)

Cherry	Larch
Spruce	Western Red Cedar
Silver Birch	Rowan
Blackthorn	Guelder Rose
Hazel	Crab Apple

### Tree & Shrub areas (wet ground)

Soft Rush	Purple Loosestrife
Alder varieties	Poplar varieties
Willow varieties	Dogwood
Aspen	Downy Birch

### Marginal areas (0-30cms deep water)

Water Plantain	Marsh Marigold
Lesser Pond Sedge	Meadow Sweet
Yellow Flag Iris	Water Forget-me-not
Reed Canary Grass	Sea Club-rush

### Reedbed & mid-depth water (30cms-1.0mtr)

Common Reed	Common Reed Mace
Bullrush	

## Section

