

PATHWAY INTERCEPTION MEASURES

18. SMALL SCALE WETLAND POND

Ponds and wetlands serve as diverse habitats for plants, insects, birds, mammals, and amphibians, while also acting as natural water filters. They slow water flow, deposit particles, and promote microbial degradation of pollutants in environments with high organic matter. This measure aims to create new wetlands and/or ponds to capture sediment, phosphorus (P), and nitrogen (N) losses along flow pathways to waters.

REQUIREMENTS

1. Small Scale Wetland Ponds must be no greater than 0.2ha in size. If larger than this they will become ineligible features under BISS (Basic Income Support for Sustainability Scheme).
2. An individual small scale wetland pond can be applied for in conjunction with ACRES measures Low Input Grassland, Extensively Grazed Pasture and Management of Intensive Grassland Next to a Watercourse where the reduced ACRES rate is applied for (see below).
3. Ponds and wetlands are most suitable on impermeable soils where infiltration is limited. Where infiltration is insufficient to hold water permanently, consider a willow filter bed instead.
4. Wetlands should be designed to remain permanently wet and allowed to naturally revegetate with native wetland species such as reeds, bulrush, and flag iris. Where possible, collect the seed heads of common reed, bulrush, etc., and use them to encourage new growth.
5. Consideration must be given to the proximity and hydrological connectivity to nearby Natura 2000 sites, including the size of existing habitats/wetlands and any archaeological features, before installing small-scale wetland ponds.
6. It should be noted that these small-scale wetland ponds are not the same as constructed wetlands and do not require planning permission or a discharge licence. They are not designed to handle nutrients that must be collected under the

GAP regulations, such as silage effluent, soiled water, dairy washings, slurry, etc.

7. Do not locate small-scale wetland ponds in areas of existing ecological benefit or in floodplains.
8. Small-scale wetland ponds should be fenced off from livestock, with a gap left for maintenance access. Fencing can also be applied for under Measures 30 and 31.

PAYMENT RATE

- Small scale wetland establishment - €800/unit (ACRES reduced rate €627).
- Example sizing = 10m X 6m X .5m.
- Min 1 and Max 3.

VALIDATION

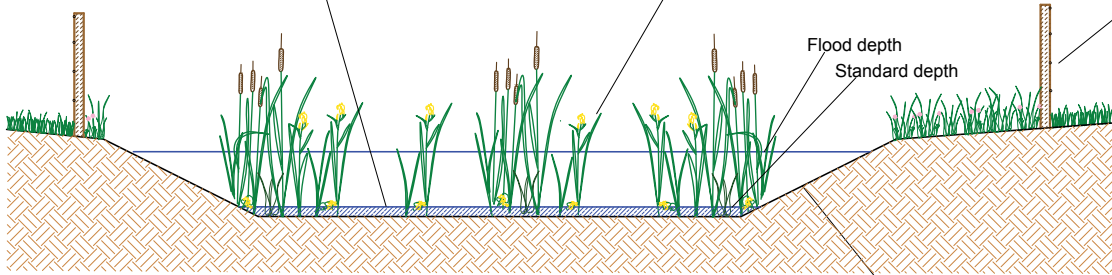
Relevant geotagged photo showing clearly the measure that has been applied for & proof of costs.



Deepen to 15cm water depth with low earthen dams; preferably with flood capacity of up to 0.5m during heavy rainfall; achievable by routing outlet through a narrow pipe to hold back flood water

Introduce native wetland plants

Fence out livestock (use nose pumps if needed)



Edge slope of 1:1 to 1:2 for safety and wildlife benefit

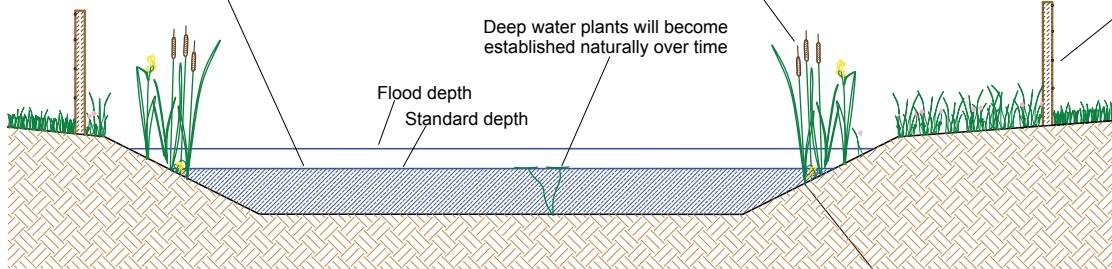
In-Channel Filter Wetland

In-Channel Filter WETLAND

Pond water depth to be between 60cm and 1.2m depth depending on rainfall conditions. For greatest hydrological and nutrient benefit a restricted outlet pipe should allow for storage of rainfall after storms

Introduce native wetland plants around perimeter; particularly at inflow and outflow locations

Fence out livestock (use nose pumps if needed)



Edge slope of 1:2 to 1:20 for safety and wildlife benefit

In-Channel Filter Pond

IN-CHANNEL FILTER POND

FH Wetland Systems Ltd.

Knocknaskeagh, Lahinch, Co. Clare
www.wetlandsystems.ie
 Tel. 065-7075631
 e-mail: reeds@wetlandsystems.ie



FOR MORE INFORMATION:

Speak to your advisor today or check out the Farming for Water website www.farmingforwater.ie for further information. Phone our office on **062 33063** - Office hours 9:00am - 4:30pm.