

Leades Farm, Rusheen, Co. Cork - Demonstration Site Testing flood-peak & water quality effects of NWRM

Flood Retention Measures

- High flow diversion point
- Swale to direct flood water to field
- Bund to retain flood waters (~12 Hours)
- Outflow pipe
- Drain to re-join stream

Water Quality Measures

- Sediment retention behind bund
- Leaky dams to sequentially
- Capture particulate organic components
- Enhance turbulence & aeration of water (increase O₂ content)
- Encourage hyporheic flow for groundwater exchange & microbial processing of nutrients (P, NH₄⁺, C)





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