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|--------------------------|-----------------------------------|-------------------|--------------------------|
| Report per Referral Area | 09/03/2023 15:06 | | |
| Date | Owvane | Owvane | River Owvane Doonbeg_D30 |
| PAA Name | IE_SH_240Q0200 | 0 IE_SH_28D020650 | |
| Waterbody name | Owvane PAA Farm Assessment Report | | |
| Referral code | | | |

| | | | | | |
|---------------------------------|----|------------------------------------|----|---|---|
| Number of Farms Assessed | 15 | Issues in the Referral Area | | | |
| Dairy | 6 | P Loss (Diffuse) | Y | | |
| Cattle Breeding | 3 | N Loss (Diffuse) | N | 0 | |
| Cattle Other | 6 | Sedimentation | Y | N | |
| Sheep | 0 | Point Source Losses | Y | 0 | |
| Tillage | 0 | Toxicity & Pesticides | N | 0 | |
| Mixed Farming | 0 | Ammonium | N | 0 | Y |
| Other Enterprise | 0 | | | | |
| Engaged | 13 | No. 1st visits | 15 | | |
| Not Engaged | 2 | No. 2nd visits | 8 | | |
| | | No. 3rd visits | 2 | | |
| | | No. 4th visits | 0 | | |

Issue description
Available information indicates that the significant pressure on this PAA is agriculture and forestry, specifically in relation diffuse P losses from agriculture. At the monitoring station on Cloonlahard stream, the significant pressure here is not known but could be forestry, peat or small point sources from agriculture (farm yards).

Issues found in the referral area during ASSAP visit:

| | | Risk 1 | Risk 2 | Risk 3 |
|-----------------------------------|---|--------|--------|--------|
| Farmyard Issues | | | | |
| F1 | Slurry Storage | 2 | 1 | |
| F2 | Silage Pits and Effluent Storage | | 1 | |
| F3 | Loose Housing and FYM Storage | 2 | | |
| F4 | Round Bale storage | | 1 | |
| F5 | Dirty yards | 2 | | |
| F6 | Cattle &/or Sheep handling facilities | | | |
| F7 | Clean & Grey Water management | | 1 | 1 |
| F8 | Drain Connection from Yard to Water | 2 | | 1 |
| F9 | Pesticide Storage and handling/Diesel/oil tanks | | | |
| F10 | Other | | | |
| Land Management Issues | | | | |
| LM1 | P Loss Through Overland Flow | 1 | 6 | 1 |
| LM2 | N leaching from Light Soils | | 1 | |
| LM3 | Sediment Loss | | | |
| LM4 | Drinking Points & Stream Fencing | 1 | | 2 |
| LM5 | River Bank Erosion | | 1 | |
| LM6 | Drain Cleaning & Maintenance | 3 | 1 | |
| LM7 | Culverts/River Crossings | | | 1 |
| LM8 | Drinking Troughs | 1 | | |
| LM9 | Farm Roads and Gateways and underpass | | 1 | |
| LM10 | Unsuitable drainage delivering Nutrient and/or Sediment | | | |
| LM11 | Field Boundary Management | 1 | 1 | |
| LM12 | Bare Land - Inadequate Cover Crops | | | |
| LM13 | Re-seeding Practices | | | |
| LM14 | Losses from Tillage operations | | | |
| LM15 | Supplementary Feeding and Sacrifice Paddocks | | | 1 |
| LM16 | Outwintering | | | |
| LM17 | Hill Land grazing | | | |
| LM18 | Rock Outcrops/Karst Features | | | |
| LM19 | Forestry | 1 | | |
| LM20 | Herbicide / Pesticide and Sheep dip Use | | | |
| LM21 | Protection of Abstraction Points and Wells | | | |
| LM22 | Invasive Vegetation | | | |
| LM23 | Buffers | | | |
| Nutrient Management Issues | | | | |
| NMP1 | Preparation and implementation of NMP | 3 | | |
| NMP2 | Achieving appropriate Soil Fertility (Lime P&K) | | | |
| NMP3 | Identify and Manage Critical Source Areas | 1 | 3 | 1 |
| NMP4 | Organic Manure Timing, Location & Method | 2 | 1 | |
| NMP5 | Recorded Import/Export Organic Manures | | | |
| NMP6 | Timing - Early & Late N and Phosphorus | | | 1 |
| NMP7 | Fertiliser Rates | | | |
| NMP8 | Correct Management of High OM soils | | | |
| NMP9 | Sloped Fields | | 2 | |
| NMP10 | Chemical Fertiliser Spreading | | 1 | |
| NMP11 | Weather and Fertiliser Management | | | 4 |
| NMP12 | Fertiliser Type | | | 2 |
| NMP13 | Other | | | |

Mitigation actions recommended in the referral area (note that few actions could have been recommended for one issue):

| Mitigation Actions | | Risk 1 | Risk 1 - Agreed | Risk 1 - Not Agreed | Not Started | Not Proceeding | Commenced | Complete | Ongoing |
|--------------------|---|--------|-----------------|---------------------|-------------|----------------|-----------|----------|---------|
| F1 | Slurry Storage | 1 | 1 | | | | 1 | | |
| F1 | Slurry Storage | 1 | 1 | | 1 | | | | |
| F3 | Loose Housing and FYM Storage | 2 | 2 | | | | | | 1 |
| F5 | Dirty yards | 2 | 2 | | | | 1 | | |
| F8 | Drain Connection from Yard to Water | 2 | 2 | | | | 1 | 1 | |
| LM1 | P Loss Through Overland Flow | 1 | | 1 | | | | | |
| LM4 | Drinking Points & Stream Fencing | 1 | 1 | | | 1 | | | |
| LM6 | Drain Cleaning & Maintenance | 1 | 1 | | | | | 1 | |
| LM6 | Drain Cleaning & Maintenance | 2 | 1 | | 1 | | | | 1 |
| LM8 | Drinking Troughs | 1 | 1 | | | | | 1 | |
| LM11 | Field Boundary Management | 1 | 1 | | | | 1 | | |
| LM20 | Herbicide / Pesticide and Sheep dip Use | 1 | 1 | | | | | | 1 |
| NMP1 | Preparation and implementation of NMP | 2 | 2 | | | | | | 1 |
| NMP3 | Identify and Manage Critical Source Areas | 1 | 1 | | | | | | 1 |
| NMP4 | Organic Manure Timing, Location & Method | 1 | 1 | | | | | | 1 |