

Catchment Sensitive Farming Locally

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**A clear solution
for farmers**
CATCHMENT SENSITIVE FARMING



Environment
Agency





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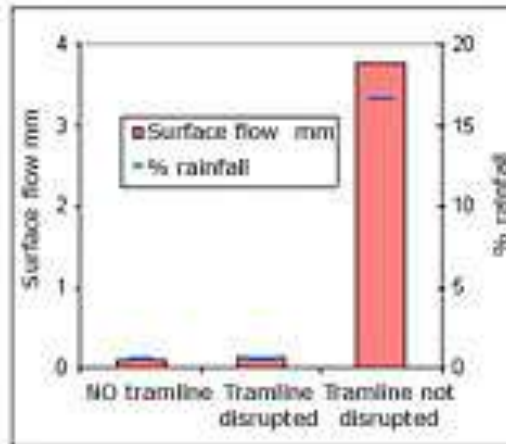
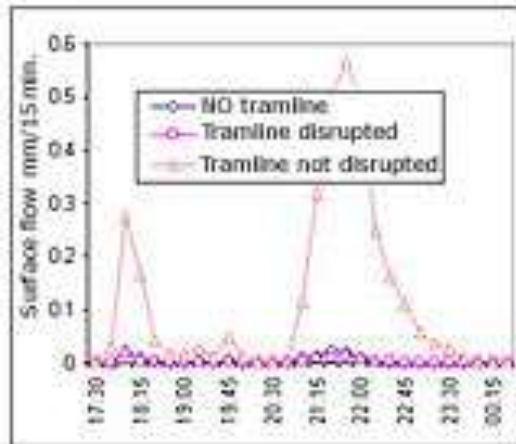
Department for Environment,
Food and Rural Affairs



Funding is from the
European Agricultural
Fund for Rural
Development. Europe
Investing in rural areas.

Mitigation Options for Phosphorus & Sediment 2

Using field wetlands to mitigate diffuse pollution in agricultural catchments



Sample event:
ADAS Rosemaund
(silty clay loam)

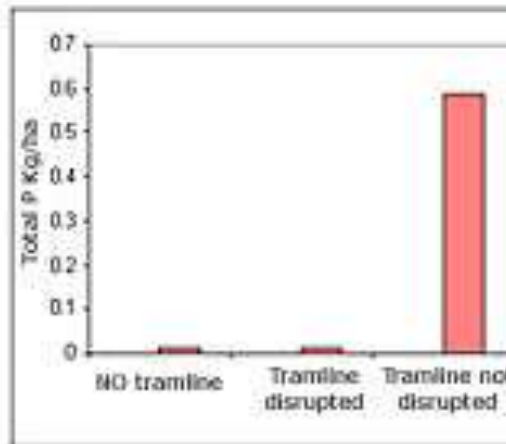
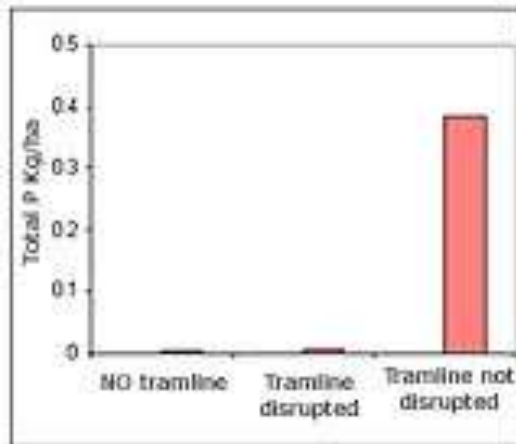
Sampled
03/01/06

Total rainfall
23 mm

Event duration
11 h

Peak rainfall
intensity
6 mm/h

Peak surface runoff
22 l/min



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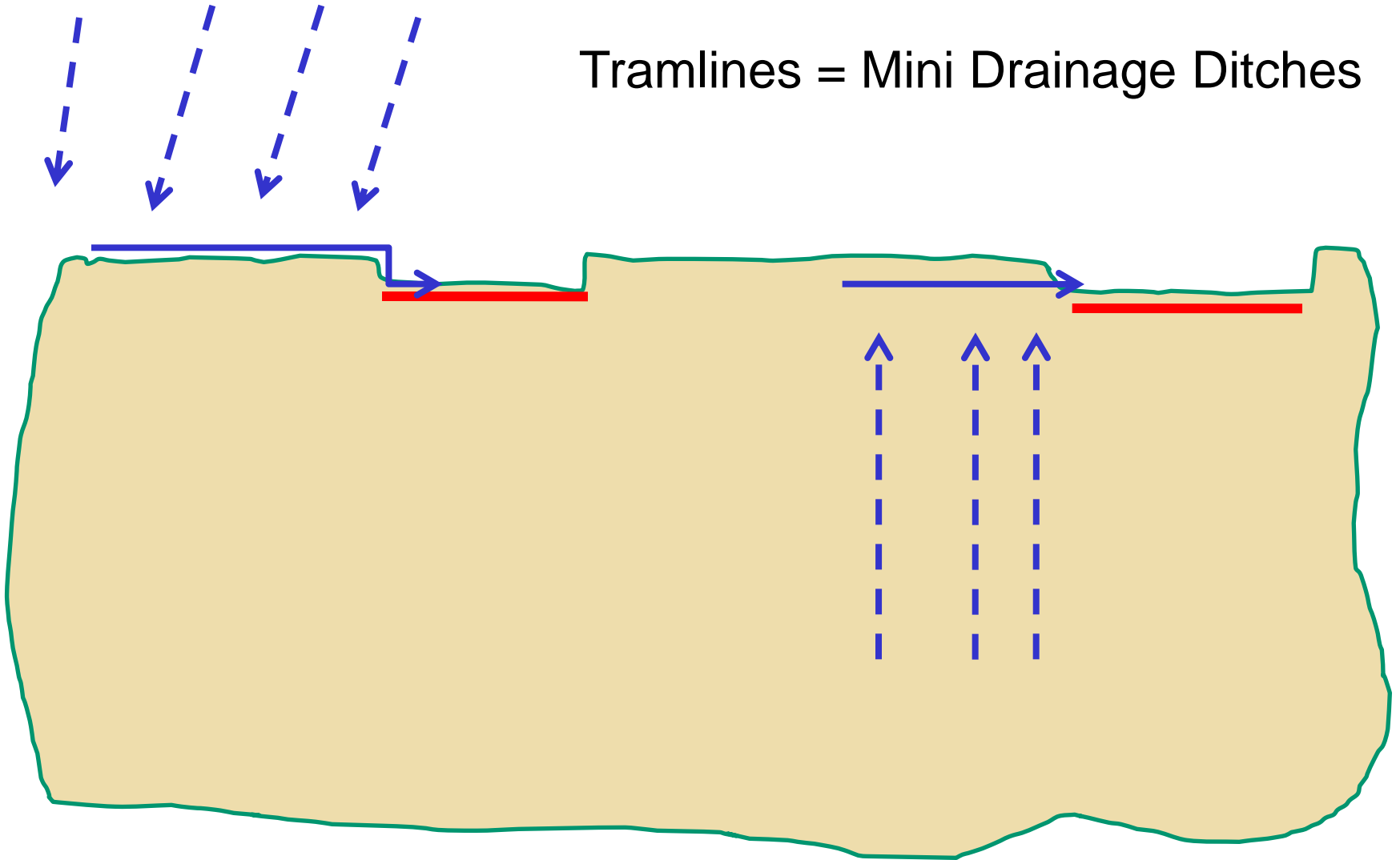
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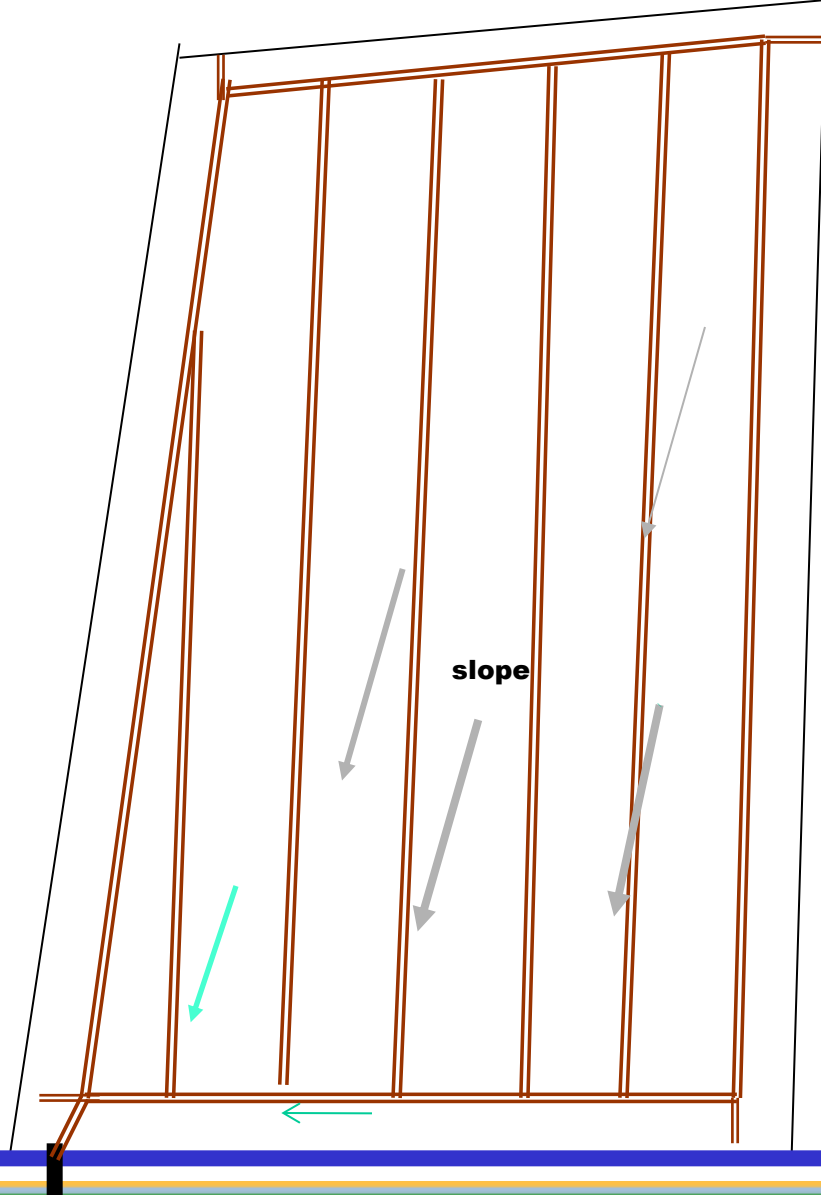


Tramlines = Mini Drainage Ditches



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1 All tramlines connected on downslope- delivering tramline water, sediment, pesticides to compacted/rutted entrance & corner & thence to watercourse or via road or track to watercourse



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1



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Consider something like this:

1 Extra headland tramline on downslope end, unlinked, effectively buffers majority of stetchwork.

2 Well made up, high & unrutted entrance, with high adjoining brows act as a bund against run off from remaining 2 sides of headland tramline.

3 Don't start spraying here but at X on the move- complete spraying this headland as you slip from bottom extra headland to start stetch work at top of field = no static start up to get new mix to nozzles (massive overdose near entrance ditch avoided).

4 Spray low headland as you exit the field – avoids contaminated wheels & last tyre imprint can diffuse rather than collect water.

5. If rolling consider not rolling the low headland- it is likely to have had extra passes/ be more consolidated anyway making it more vulnerable to soil wash off the field.