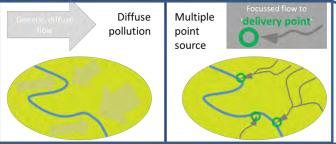
Classification of riparian delivery points for improved specification of mitigation measures

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- Sources and pathways by which macronutrients (N/P) and sediment enter watercourses are traditionally classified as **point** or **diffuse**.
- Alternative conceptualisation is multiple point sources.



Objective: To categorise delivery points to support selection of appropriate mitigation measure.

Delivery points - Land form types

Steep channel Shallow sloped channel (assuming) Equal depths

Steep slope

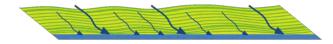
· Greater erosive power

Steep channel double whammy: More sediment runoff AND less amenable site for intervention

Longer effective channel

- Greater volume of standing water
- Higher hydraulic retention time
- Reduced likelihood of buffer strip by-pass





Delivery points - 'Pinpoint' types

- Localised
- Typically damaged (e.g. eroded bank (A) ,broken bridge (B), poached gateway (C)







Characterising delivery points into types will ideally feed into decision support tools for agricultural advisors to improve selection of suitable riparian measures that will reduce transfer of macronutrients into water bodies.



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