



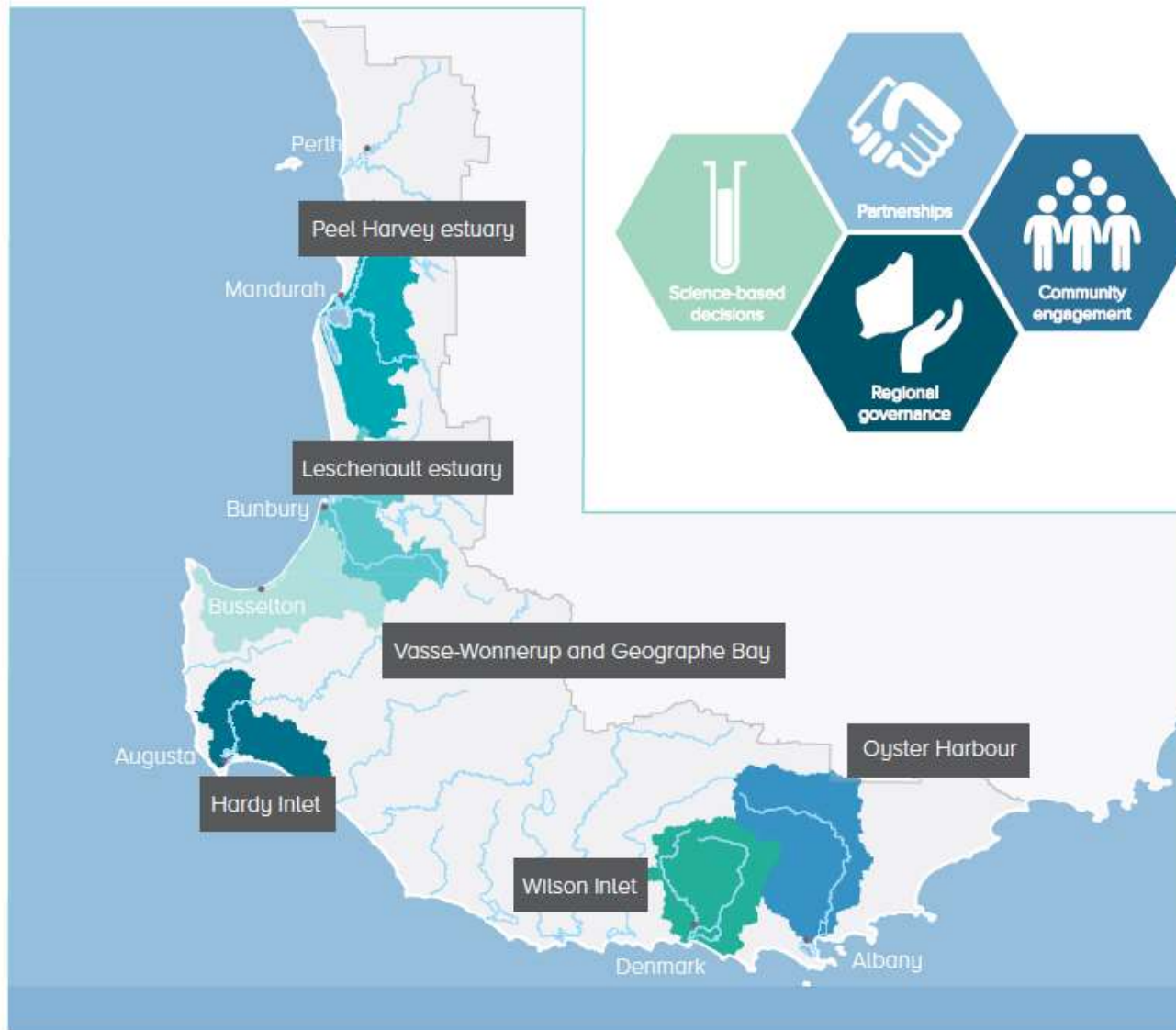
Department of Water
Department of Regional Development
Department of Agriculture and Food

An aerial photograph of a coastal estuary system, showing a river flowing into the ocean, with sandy beaches and green vegetation. A large, light blue circular logo is centered over the image, containing the text "REGIONAL ESTUARIES INITIATIVE".

REGIONAL ESTUARIES INITIATIVE

Restoring the environmental balance of
estuaries through action in catchments
Jennifer Stritzke | 31 May 2017





In partnership with:

REGIONAL
ESTUARIES
INITIATIVE



GeoCatch



Lower Blackwood Catchment
Local Conservation District Committee



Leschenault
Catchment
Council



WILSON INLET CATCHMENT COMMITTEE



PHCC | Working
Together
Peel-Harvey Catchment Council



Dairy
Australia

Your Levy at Work



SWCC

south west catchment council



SOUTHCOAST
NATURAL RESOURCE MANAGEMENT INC.





Regional capacity and delivery

Supports regional groups and partnerships to implement on-ground actions. Local communities will be informed, engaged and equipped for long-term regional catchment management.





Sustainable agriculture

Reduces nutrient run-off from agricultural activities. Soil testing will help farmers establish effective fertiliser application to save money, improve soils and reduce nutrient run-off. Industry partnerships will encourage best practice dairy effluent management.



Sustainable Agriculture for healthy estuaries



Better fertiliser management



Improved dairy effluent management



Water in the landscape

Improves the way water moves through the catchment to improve water quality. Streams will be revegetated and fenced to deter stock. Drainage upgrades, water sensitive urban design and prioritised infill sewerage will reduce nutrients entering estuaries.





Innovative remediation

Develops and trials new technologies to reduce nutrients entering waterways from agricultural, industrial and domestic land uses and to improve soil condition for plant growth.





Science for management

Expands monitoring and public reporting of estuary health and develops world-class catchment and estuary models to inform decisions and guide estuary management.



Catchment modelling

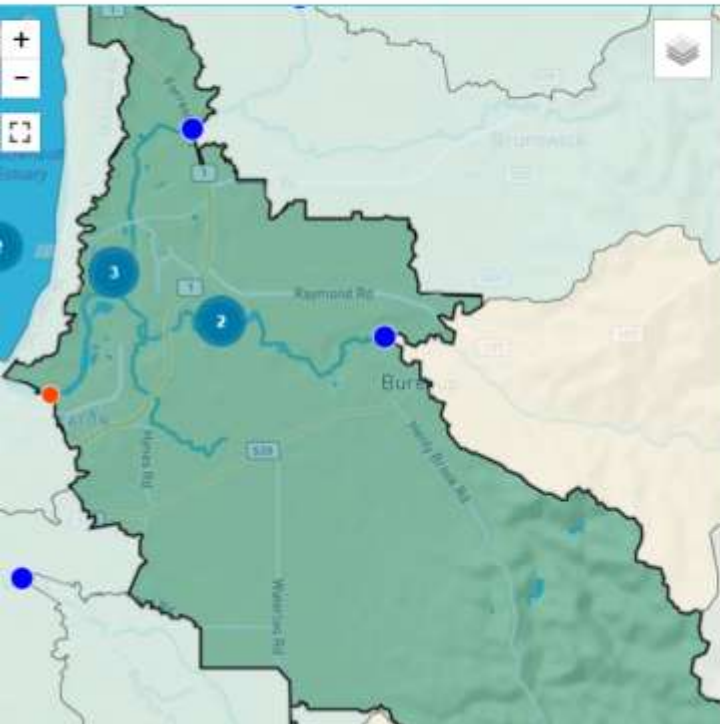
rei.water.wa.gov.au



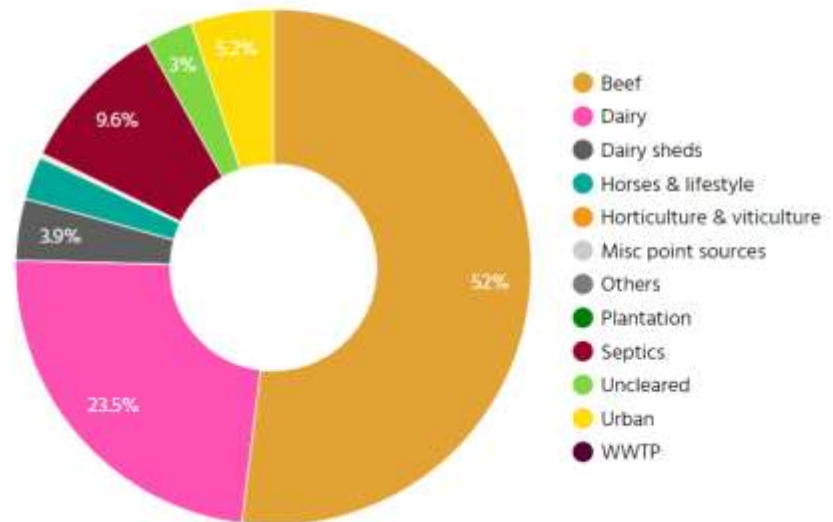
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HOME ESTUARIES STRATEGIES NEWS



Collie Lower 1 - Source separation (TN)



Yakamia Creek, Albany



Soil amendments

Soil amendments are products that increase the capacity of the soil to retain phosphorus (P), reducing the risk of soluble P loss while retaining available P for plant uptake. Soil amendments are added to and mixed with existing soils to improve their nutrient and/or water retention properties. E.g. Iron Man Gypsum (IMG)



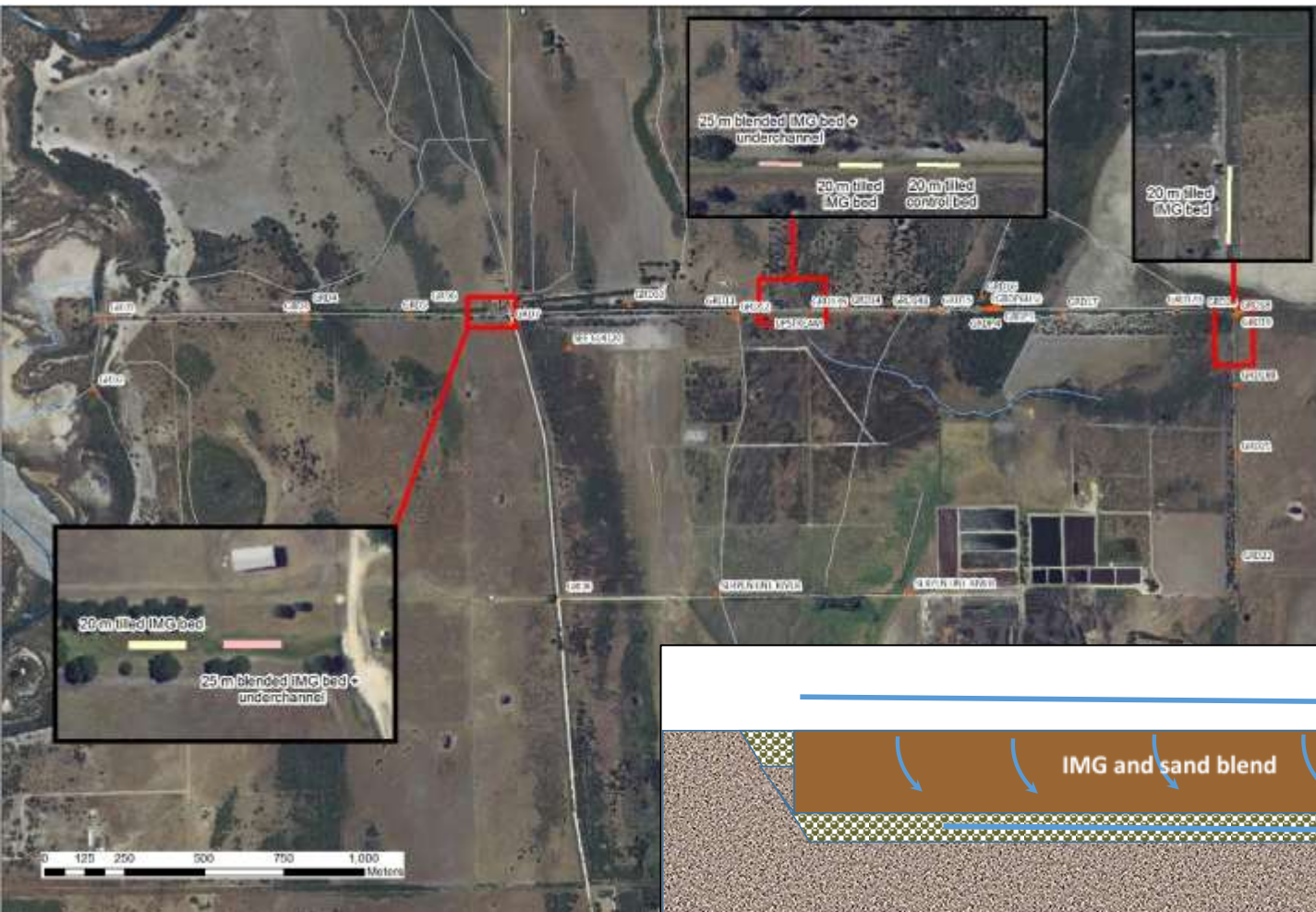
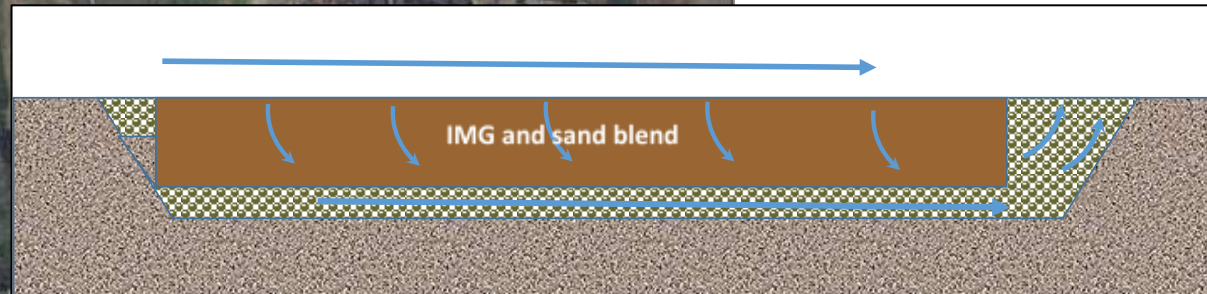
The image displays a detailed site plan and a cross-section of the Stage 1 and Stage 2 ovals at the University of Guelph. The site plan shows the layout of the ovals, surrounding roads (Napoleon Promenade, Valley Lane, Waterloo Avenue), and various utility lines. The cross-section on the left details the soil layers: Turf roll (0-100 mm), Blended fine organic sand (original subsoil), 10% IMG amended sand base (100-250 mm), and Original subsoil (>250 mm). It also indicates the location of subsoil drainage (coil) and the existing stage 1 oval.

Soil amendments: in-drain micro pilot



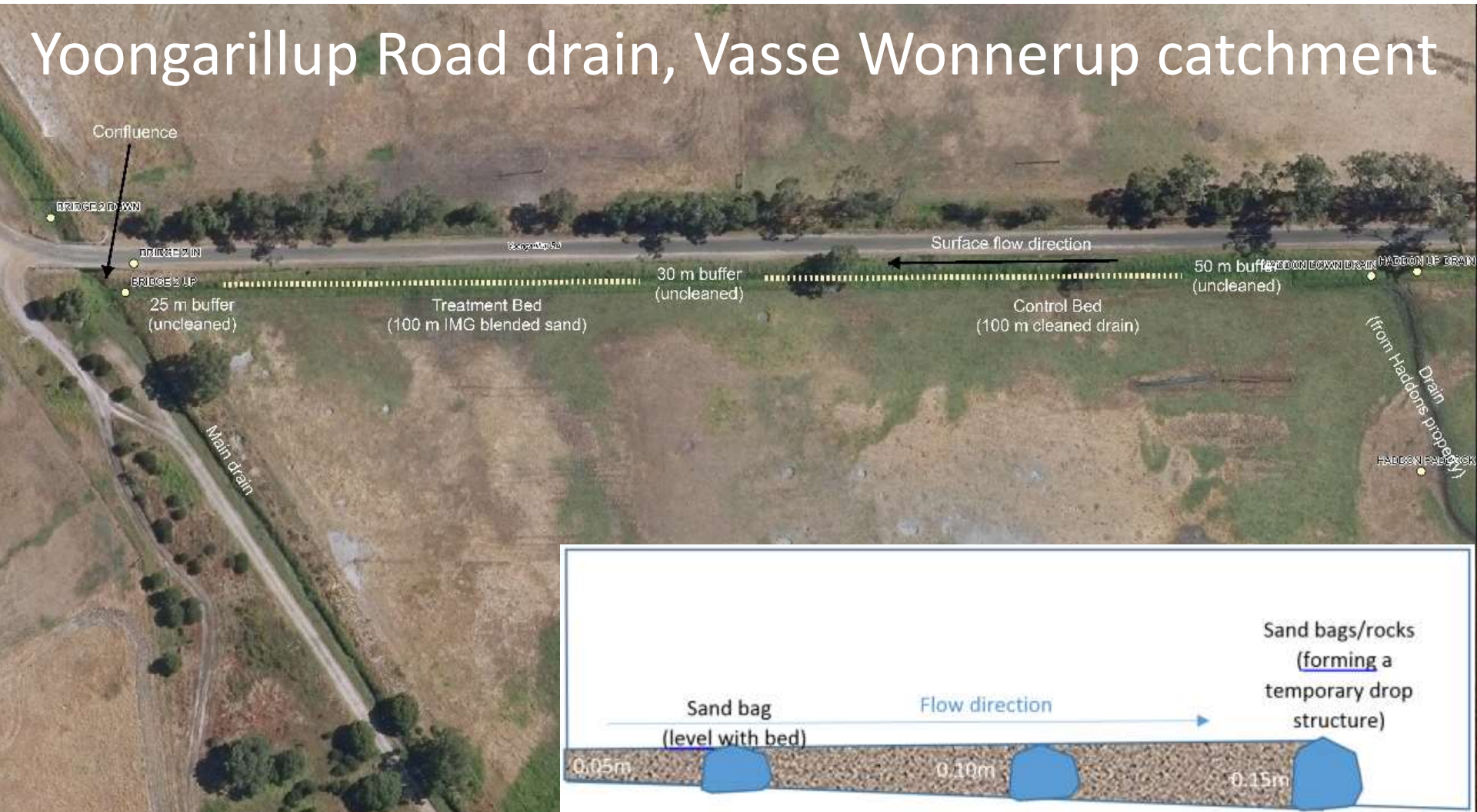
Soil amendments: in-drain trials

Gull Road,
Peel
Harvey
catchment

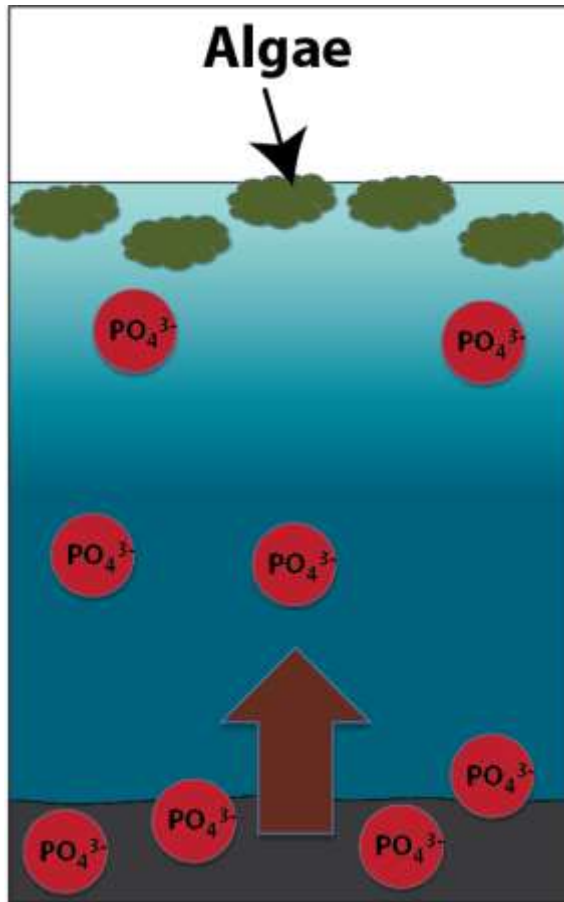
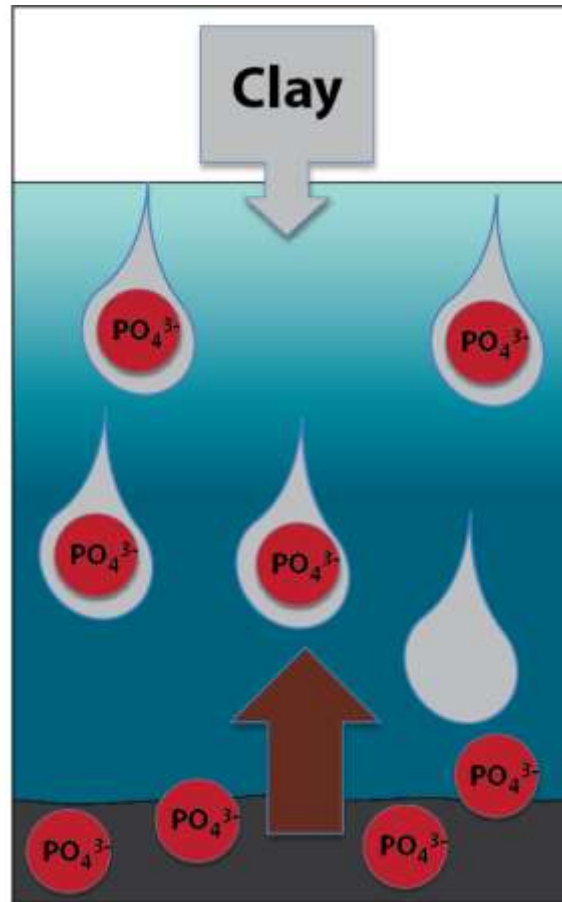
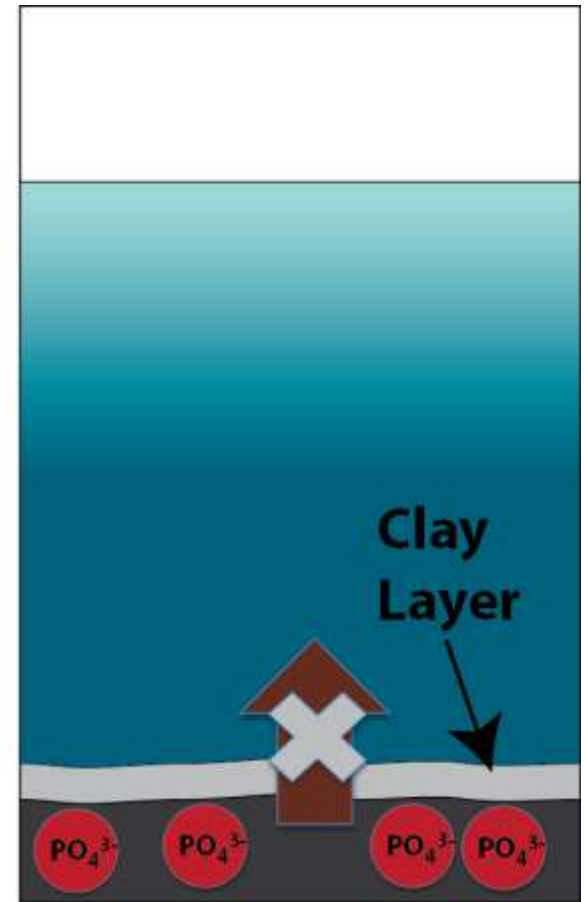


Soil amendments: in-drain trials

Yoongarillup Road drain, Vasse Wonnerup catchment



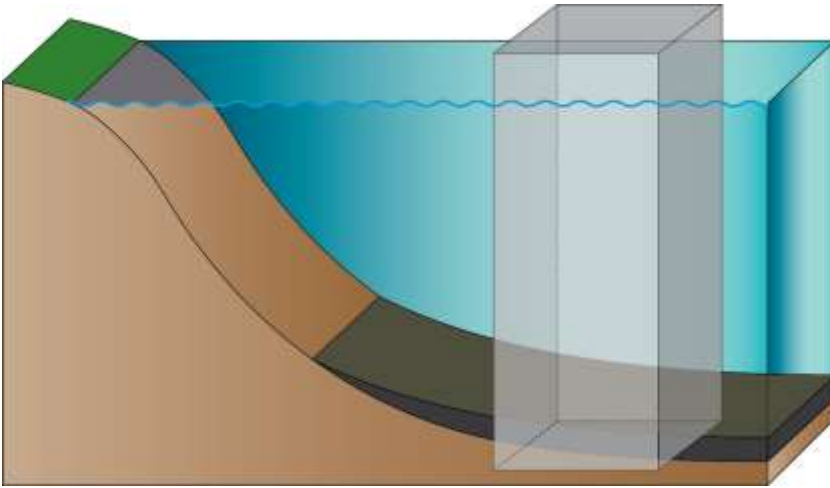
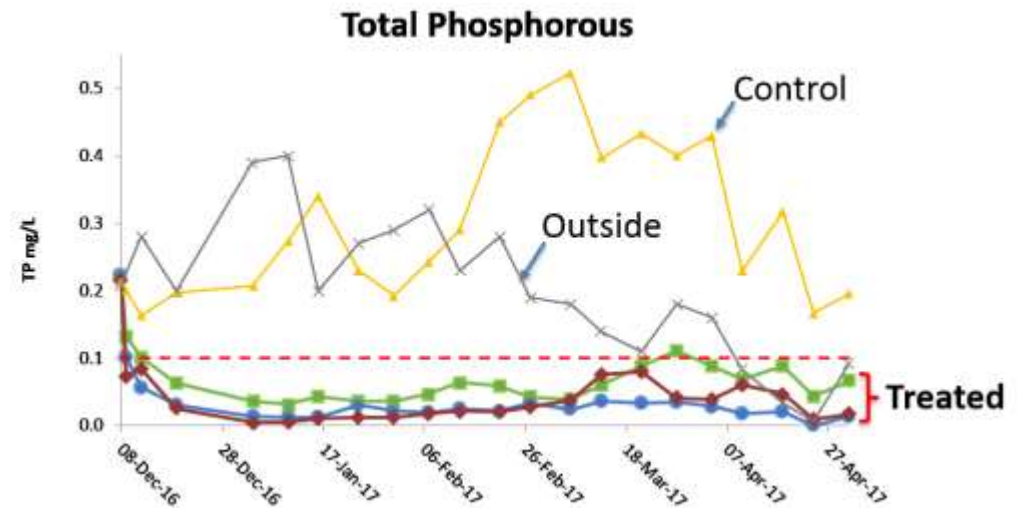
New clay product



New clay product: production



New clay product: trial





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