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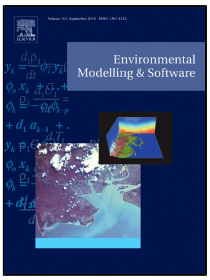

Modelling hydrology and water quality in a mixed land use catchment and eutrophic lake: Effects of nutrient load reductions and climate change

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Modelling hydrology and water quality in a mixed land use catchment and eutrophic lake: Effects of nutrient load reductions and climate change

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Highlights

- Combined climate–catchment–lake modelling reveals flow–on effects to a polymictic lake
- Small water quality improvement with large nutrient reductions in one sub–catchment
- Minor lake response to climate change effects from changes in catchment processes
- Major lake response to climate change due to effects on stratification
- Climate change has potential to confound restoration of shallow eutrophic lakes