











Hodson Bay Hotel, Athlone, Co. Westmeath











































Summary & Concluding Remarks

- Substantial population substructuring within each catchment (i.e. limited gene flow among areas)
- Higher level of genetic differentiation among river catchments (i.e. Fst = 0.088 vs. Fst = 0.052, 0.040 and 0.047 for Liffey, Dodder and Tolka respectively) → limited gene flow between river catchments
- No contemporary evidence of hatchery derived fish among adults (surprising given ongoing stocking)
- No evidence of gene flow from neighbouring sea trout populations → trout stock from Tolka River most likely recovered from small populations from the upper reaches of the catchment
- Excluding major obstacles (e.g. dam, etc), no major evidence that man-made barriers are currently preventing fish movement in the Liffey.
- Most populations in the system can be explained by the presence of contemporary and/or historical barriers (e.g. Liffey, Dodder)
- With exceptions, most adult fish seem to concentrate in areas close to their respective river baselines

QUEEN'S UNIVERSI BELFAST



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A month after from