

PIT Tag: Mechanisms of density dependent regulation of YOY Brown trout (*Salmo trutta*) under different stocking densities

Type de projet	Recherche appliquée et Développement
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Résumé	Brown trout population are regulated by endogenous mechanisms, especially at early life stages. This project aims to assess the effect of the introduction of various densities of Brown trout stocked as summerlings on survival, migration and growth of young-of-the-year (wild-born and stocked). For this study, we used new HDX 12 mm PIT tags to mark both wild and stocked young-of-the year Brown trout in early summer. We worked on three different streams, and tested three stocking densities, calculated as a function of observed wild YOY density. This in situ approach was combined with tests in hatchery in order to determine the minimum size at tagging.
Mots-clés	Brown trout, young-of-the-year, PIT Tag, stocking densities
Valorisation	- technical short note for the tagging of small 0+ Brown trout; - population dynamics model; - management tool for stocking practices.

