

# Factors Affecting Fish Life Histories

Many salmonid fishes are known for the long migrations that they undertake during their lives. Some species, e.g. *Oncorhynchus mykiss* have populations that either migrate to the ocean (anadromous – steelhead) or remain in fresh water (rainbow trout). But what environmental factors determine whether fish migrate or not?



Researchers from OSU's Department of Fisheries & Wildlife and the USDA Forest Service determined that a combination of individual fish metabolism, health and rearing temperature influence the fish's life history.