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during early life history; 5.4 Growth models and equations; 5.5 Age determination,back-calculation and validation techniques; 5.6 Length - weight relationships and indices of condition and growth; 5.7 Energy budget and bioenergetics:energy partitioning and storage; 5.8 Growth at different latitudes:models of growth compensation; 5.9 Estimating food consumption; 5.10 Conclusions; 6 RECRUITMENT: UNDERSTANDING DENSITY-DEPENDENCE IN FISH POPULATIONS; 6.1 Introduction; 6.2 The link between spawner abundance and subsequent recruitment
6.3 Generalities through meta-analysis6.4 Carrying capacity; 6.5 Variability in recruitment; 6.6 At what life-history stage does density-dependent mortality occur?; 6.7 Estimating density-dependent mortality from long-term surveys; 6.8 Pelagic egg,larval and juvenile stages; 6.9 Future research; 6.10 Conclusions; 7 LIFE HISTORIES OF FISH; 7.1 Introduction; 7.2 In .uence of survival and growth rate on age, size and reproductive effort at maturity; 7.3 Offspring size and number strategies; 7.4 Alternative life-history strategies; 7.5 Effects of .shing on life history; 7.6 Conclusions
8 MIGRATION8.1 Introduction; 8.2 Exploitation and ecology; 8.3 Fish migrations; 8.4 Migratory mechanisms; 8.5 Techniques; 8.6 Distribution and genetics; 8.7 Fishery applications; 8.8 Conclusions; 9 GENETICS OF FISH POPULATIONS; 9.1 Introduction; 9.2 Genetic tools; 9.3 Statistical tools; 9.4 Specimen and species identi .cation; 9.5 Fish population genetics; 9.6 Genetics of sex determination in .sh; 9.7 Conclusions; 10 BEHAVIOURAL ECOLOGY OF REPRODUCTION IN FISH; 10.1 General introduction; 10.2 Introduction to breeding systems; 10.3 Parental care; 10.4 Sexual selection; 10.5 Mating patterns
10.6 Reproductive behaviour and life histories

Sommario/riassunto

Recent decades have witnessed strong declines in fish stocks around the globe, amid growing concerns about the impact of fisheries on marine and freshwater biodiversity. Fisheries biologists and managers are therefore increasingly asking about aspects of ecology, behaviour, evolution and biodiversity that were traditionally studied by people working in very separate fields. This has highlighted the need to work more closely together, in order to help ensure future success both in management and conservation. The Handbook of Fish Biology and Fisheries has been written by an