











Sample Methods - Counts

Total census – rarely made Migrants – counts at dams count stations . Some time gaps that are filled by extrapolation.

Non-migrants - only for small streams, ponds, etc.























Stratified Random Sampling

Assumes heterogeneous habitats (strata).

Every location within each strata has equal chance to be selected. Each strata sampled equally or proportional to abundance.

>Assumes you understand important strata and can identify them.





Pick random start point.

Space sample locations evenly through study area.

- Sampling may overlap some natural pattern in stream habitat.
- >Inaccessible spots may need to be dropped, which leaves gap in sample.



