

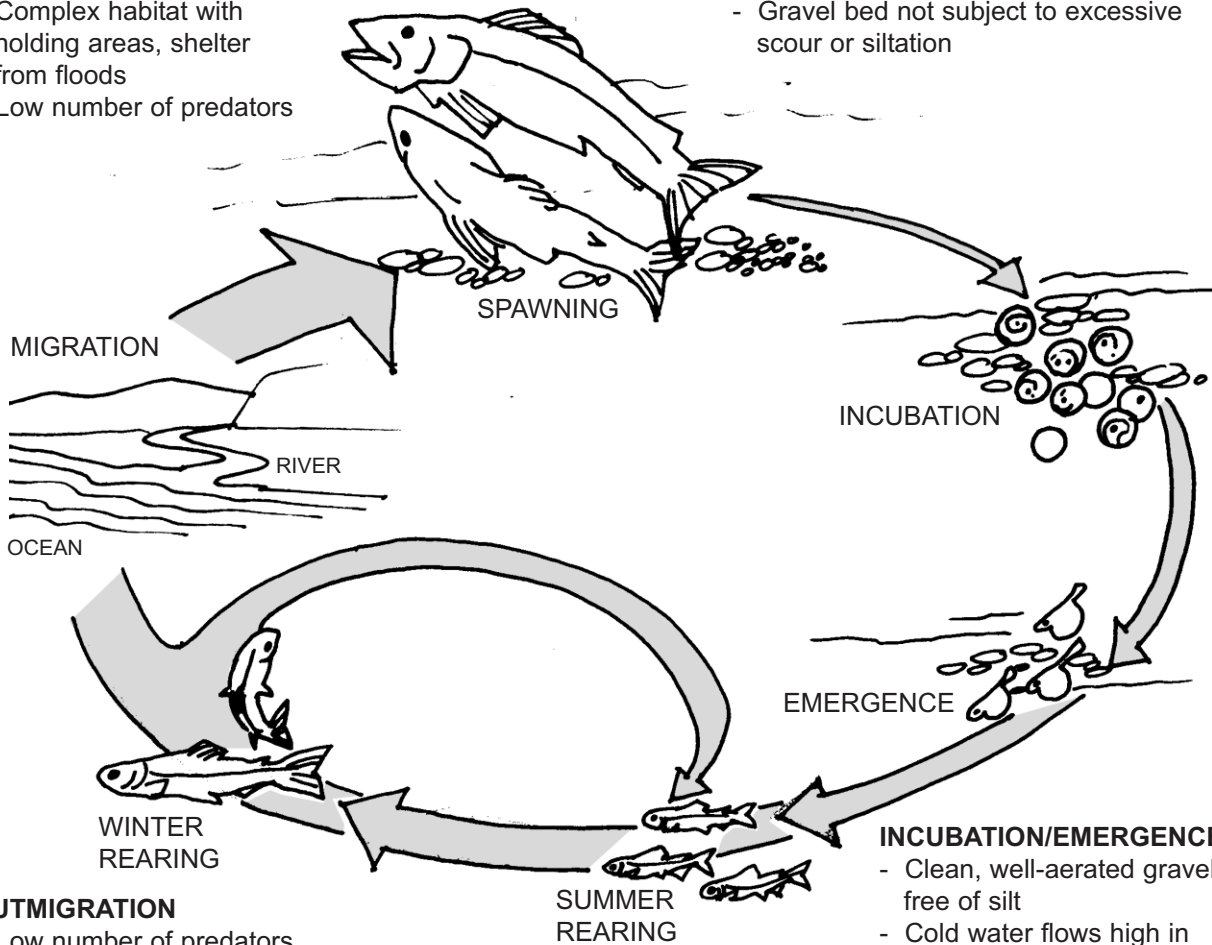
HABITAT REQUIREMENTS FOR COHO AND CHINOOK SALMON AND STEELHEAD TROUT

ADULT MIGRATION

- Adequate cold water river flows
- Medium flow velocity during migration
- Lack of impassable barriers
- Normal turbidity/high water quality
- Complex habitat with holding areas, shelter from floods
- Low number of predators

SPAWNING

- Clean, medium-sized gravel clean of silt
- Adequate streamflow
- Cold water temperatures
- High water quality/low turbidity
- Channel with complex habitat: pools, riffles, riparian trees, large logs
- Lack of siltation
- Gravel bed not subject to excessive scour or siltation



OUTMIGRATION

- Low number of predators
- Cold water temperatures
- Cover and complex habitat along river channel
- Lack of barriers in channel
- Adequate flow

JUVENILE REARING

- Adequate summer cold water flows
- Food production areas
- Channel with complex habitat: pools, riffles, riparian trees, large logs
- Adequate territories for feeding and refuge
- Lack of siltation/high water quality
- Low predator numbers
- Channels without excessive scour or siltation
- Complex habitat for flood refuge areas

INCUBATION/EMERGENCE

- Clean, well-aerated gravel free of silt
- Cold water flows high in dissolved oxygen
- Lack of excessive channel scour and siltation
- Channel with complex habitat: pools, riffles, riparian trees, large logs
- Low predator populations