Inland Fisheries Ireland

Close to Nature
Type’s of Fish Passes

Inspector Alan Cullagh
Bottom Ramp and Slope

- Extends the entire width of the river
- Originally designed for stabilising river bed
- Slope 1:20 to 1:30
Bottom Ramp and Slope

- Embedded Boulder (Piles or Stakes)
- Rock Fill Construction (Bed must be stabilised)
- Boulder Bar Construction
Bypass Channel

New river around the obstacle

Gentle gradient

May include boulder sills
Fish Ramp

- Slope greater than 1:20
- Partial river width boulder sills
- Perturbation Boulders
Design Calculations

longitudinal view

cross-section
Thank You

Questions ?