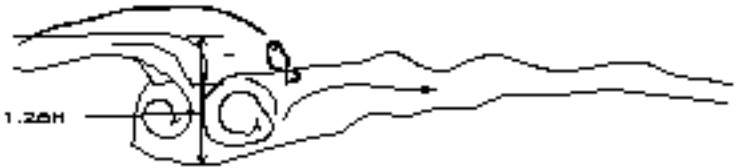
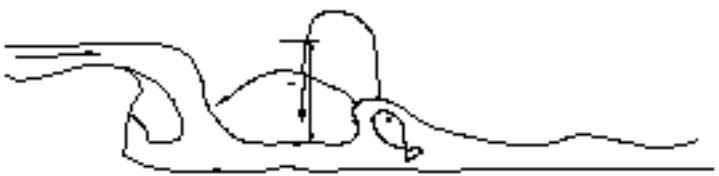
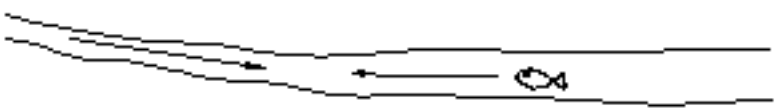


DESIRABLE -- FALLING WATER ENTERS THE POOL AT NEARLY A 90DEG. ANGLE. A STANDING WAVE LIES CLOSE TO THE WATERFALL, GOOD POSITION FOR FISH TO USE ITS UPWARD THRUST IN LEAPING. PLUNGE POOL DEPTH IS 1.25 TIMES THE DISTANCE (H).



UNDESIRABLE -- POOL DEPTH LESS. STANDING WAVE FORMED TOO FAR FROM THE LEDGE TO BE USEFUL TO LEAPING FISH

DROPS



DESIRABLE -- GRADUAL INCLINE SLOW ENOUGH TO ALLOW PASSAGE OF ASCENDING FISH

UNDESIRABLE -- STEEPER INCLINE. FISH HAVE DIFFICULTY IN SWIMMING AGAINST HIGHER VELOCITIES. FISH MAY BE REPULSED IN STANDING WAVE AT FOOT OF INCLINE

UNDESIRABLE -- SHORT BARRIER WITH STEEP INCLINE OR CHUTE. FISH CAN ONLY ASCEND WITH DIFFICULTY

INCLINES AND CHUTES