

BRADFORD SCIENCE FESTIVAL

‘Developing the Natural Aire’ (DNAire) is a project building fish passes to bring Atlantic salmon home to our Yorkshire river, the River Aire.

Weirs are structures in the river that pushed river water towards a water wheel or mill to power it. They block the river and stop fish swimming up or down it.

We’re using engineering to give nature a helping hand!
A new Fish Pass, built by Environment Agency engineers at Saltaire, slows the flow of water over the weir so that fish can swim over the obstacle in the river by using metal baffles in the base of the channel create friction against the water.

Play the Aire River’s Trust’s game (overleaf) to find out what makes a healthy reconnected river.

Take turns to roll the dice to see if you can swim to Gargrave and spawn the next generation of Yorkshire salmon.

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INTERNATIONAL YEAR OF THE SALMON

Aire Rivers Trust

DEVELOPING THE NATURAL AIRE

THE RIVER AIRE IS A MAJOR RIVER 148 kilometres (92 mi) in length

CONGRATULATIONS You've reached your spawning ground

45 44 43

HIDE FROM PREDATORS in some tree roots. Live to swim another day but

41 Watch out for herons they might eat you

40

GO BACK TO 38

MALHAM

SOIL STIRRED UP by cows smothers the gravel

34

35

36

MISS A TURN

37 Cormorants at the weir pool GO BACK TO 30

38 FISH PASS Advance 3 places

FISH PASS Advance 3 places

30

31

32

MISS A TURN as you search for a new spawning site

29

Cormorants at the weir pool GO BACK TO 20

28

27

26

25

24

HIDE FROM PREDATORS in some tree roots. Live to swim another day but

MISS A TURN

23

22

21

20

19

Part of the river Aire is canalised, and known as the Aire and Calder Navigation

14

15

16

17

18

Cormorants at the weir pool GO BACK TO 10

FISH PASS Advance 3 places

10

11

12

13

GOOD WATER QUALITY

9

FISH PASS Advance 3 places

8

Eaten by a cormorant GO BACK TO START

7

6

5

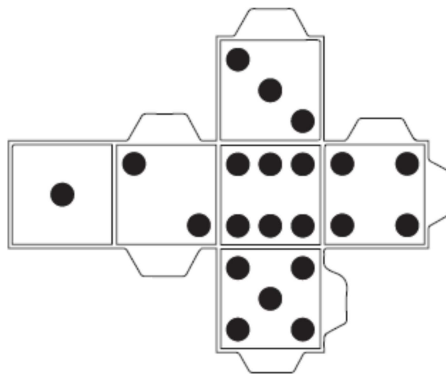
URBAN POLLUTION leaves you gasping for oxygen

MISS A TURN

River Aire

Start at AIRMYN

www.dnaire.org.uk



5

Urban pollution takes many forms. Accidental sewage releases and chemicals poured down drains can kill fish and cause great harm to our river.

24

You might think that predators are a bad thing for fish but they are a great sign for the river. Predators have returned to our river because there is now plentiful food for them.

34

Many fish species lay their eggs in nests within the gravel bed of a river. Soil can cover these gravels and block the oxygen needed by the eggs.

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