





Table S1. Summary of trials analysed and average attempt and success rates for eels tracked in the lower pass section (from 0.25 to 0.5 m), for 4 different substrate and lateral slope combinations, and 5 discharge levels.

Substrate & lateral slope	Flow rate (L s ⁻¹)	No. trials analysed	Median no. attempts/trial (range)	Median no. successes/trial (range)	Median success rate (%) /trial (range)
Laterally flat bristle 	0.2	3	88 (54–262)	12 (3–20)	5.6 (4.6–22.7)
	0.3	3	11 (10–74)	0 (0–0)	0 (0–0)
	0.4	4	40.5 (4–147)	0.5 (0–2)	0.7 (0–1.4)
	0.5	3	2 (1–9)	0 (0–0)	0 (0–0)
	0.6	4	9 (6–12)	0.5 (0–5)	8.3 (0–45.5)
V-profile bristle 	0.2	5	47 (28–65)	31 (23–42)	68.1 (59.6–85.7)
	0.3	4	17.5 (13–24)	13.5 (9–21)	77.3 (69.2–87.5)
	0.4	3	34 (9–35)	19 (8–29)	85.3 (54.3–88.9)
	0.5	4	12.5 (8–19)	8 (6–12)	64.9 (62.8–75)
	0.6	3	16 (15–17)	12 (10–14)	70.6 (66.7–87.5)
Laterally flat studs 	0.2	3	44 (42–76)	5 (5–16)	11.9 (11.4–21.1)
	0.3	3	139 (57–212)	3 (2–6)	2.8 (2.2–3.5)
	0.4	4	60 (51–99)	2.5 (0–5)	4 (0–5.9)
	0.5	5	79 (44–217)	1 (0–13)	2.2 (0–6)
	0.6	3	42 (20–256)	0 (0–5)	0 (0–2)
V-profile studs 	0.2	3	75 (37–77)	13 (13–15)	19.5 (16.9–35.1)
	0.3	3	33 (23–116)	9 (9–17)	27.3 (14.7–39.1)
	0.4	3	41 (40–58)	4 (1–5)	8.6 (2.5–9.8)
	0.5	5	45 (25–171)	9 (3–20)	14.2 (6.7–28)
	0.6	3	39 (22–99)	5 (4–13)	13.1 (10.3–22.7)