HATCHERIES – possibly the most controversial subject in salmon fisheries restoration and management!

The risks associated with hatchery stocking (e.g. genetics and domestication effects) are well documented and widely accepted. Any stocking programme must fully consider these risks before proceeding.

One of the most overlooked aspects of most artificial stocking is the removal of precious spawning fish from the wild – and these fish become increasingly precious as stocks decline and voices call for a hatchery intervention.

Nevertheless, a well managed hatchery programme can form one part of logical and well thought out fisheries management plan in certain specific circumstances.









Many people talk about being 'for' or 'against' hatcheries....

But a 'hatchery' is just a building.

What matters is the stocking strategy and the rationale behind it its use





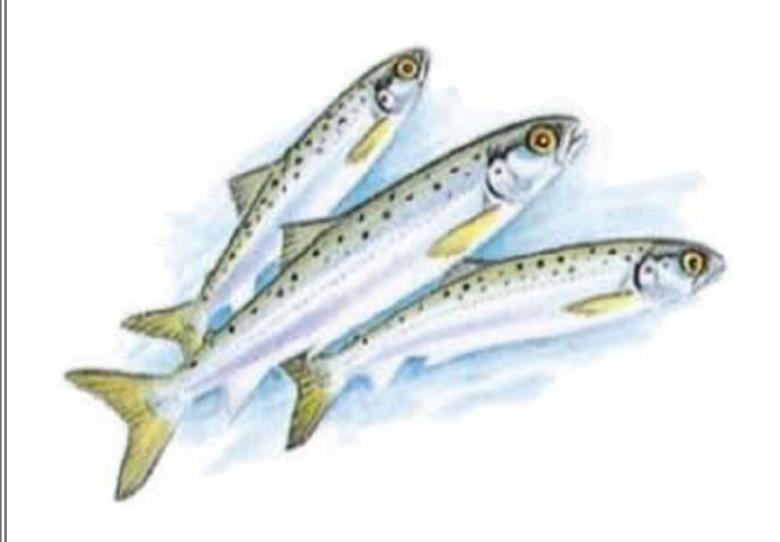




Many modern hatcheries do not actually 'hatch' anything at all

Is smolt stocking the answer to Scotland's declining salmon runs?

It works in Iceland......





The River Lochy SLICE-treated Smolt Programme 2009 to 2018







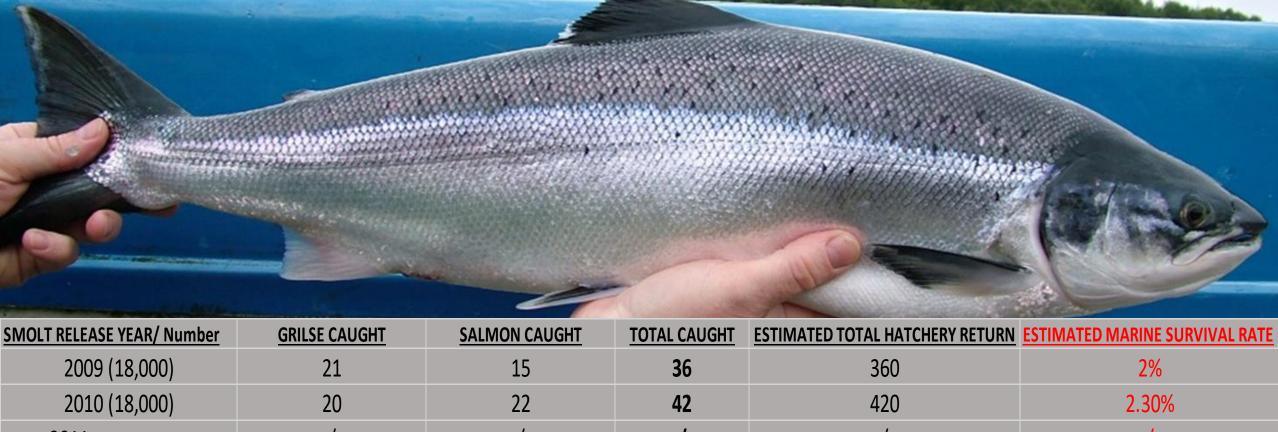










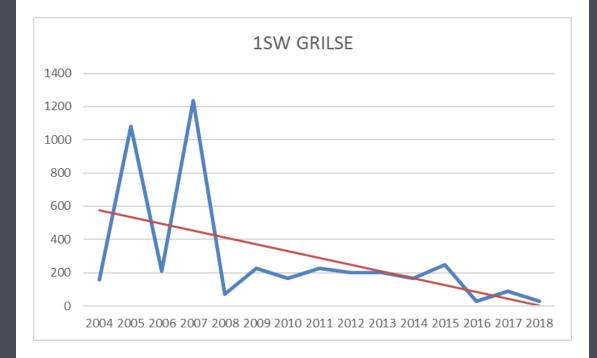


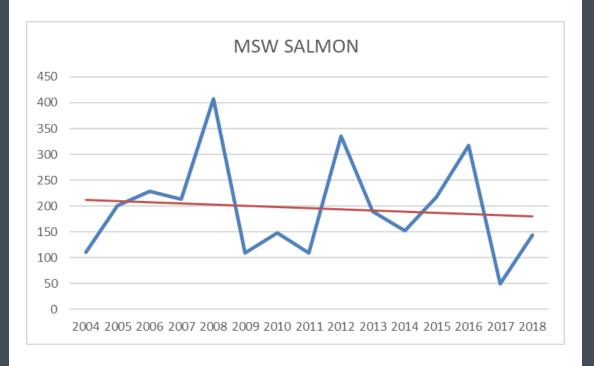
SIVIOLI RELEASE TEARY NUITIDEI	GRILSE CAUGHT	SALIVION CAUGHT	TOTAL CAUGHT	ESTIMATED TOTAL HATCHERT RETORIN	ESTIMATED IMANINE SURVIVAL NATE
2009 (18,000)	21	15	36	360	2%
2010 (18,000)	20	22	42	420	2.30%
2011 (pen sabotaged)	n/a	n/a	n/a	n/a	n/a
2012 (38,000)	34	13	47	470	1.20%
2013 (30,000)	10	20	30	300	1%
2014 (50,000)	30	48	78	780	1.60%
2015 (45,000)	1	1	2	20	0.04%
2016 (45,000)	4	15	19	190	0.42%
2017 (50,000)	0	due 2019			

due 2020

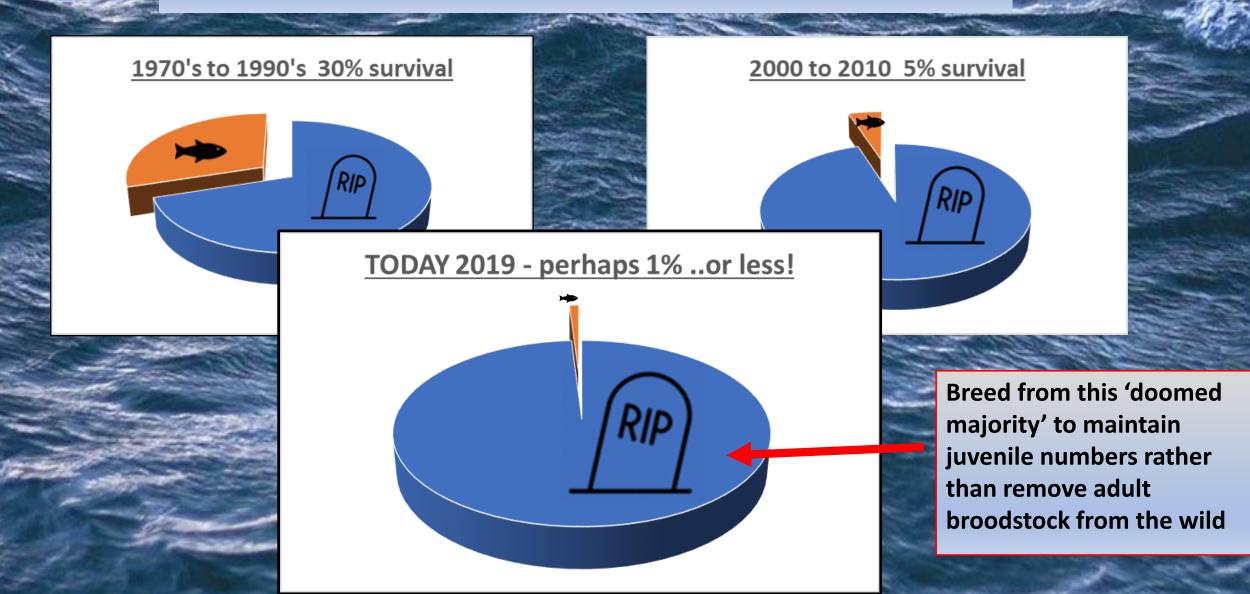
2018 (50,000)

due 2019

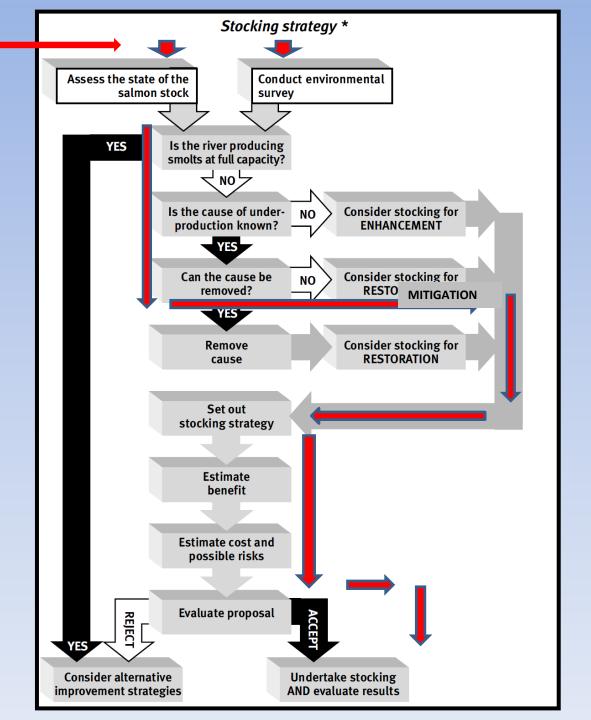




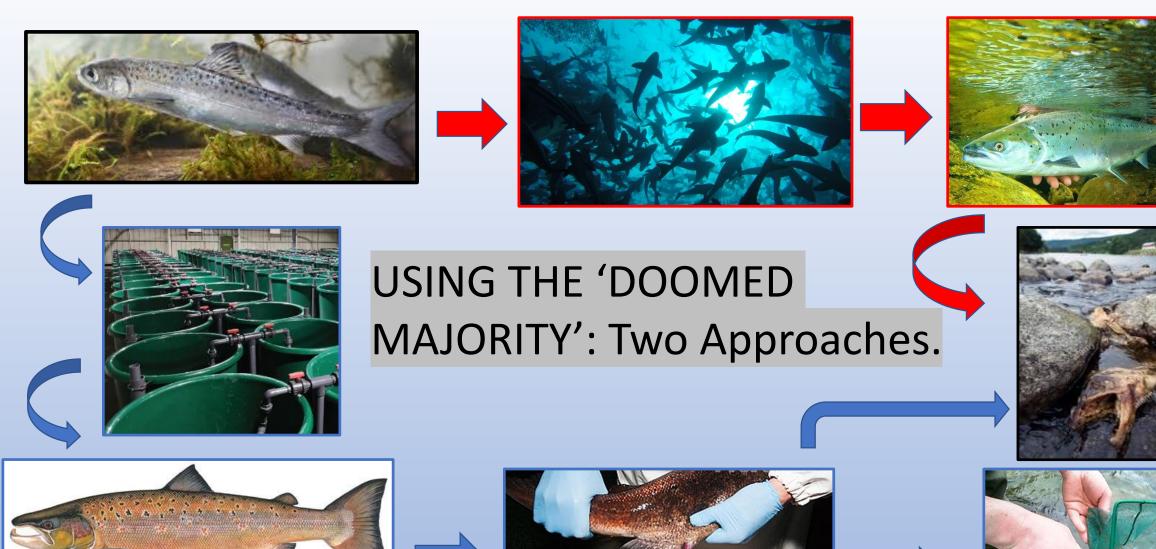
ESTIMATED SMOLT TO RETURNING ADULT MARINE SURVIVAL RATES



Lochy tributary project
- critical lack of adult
spawners due to low
marine survival



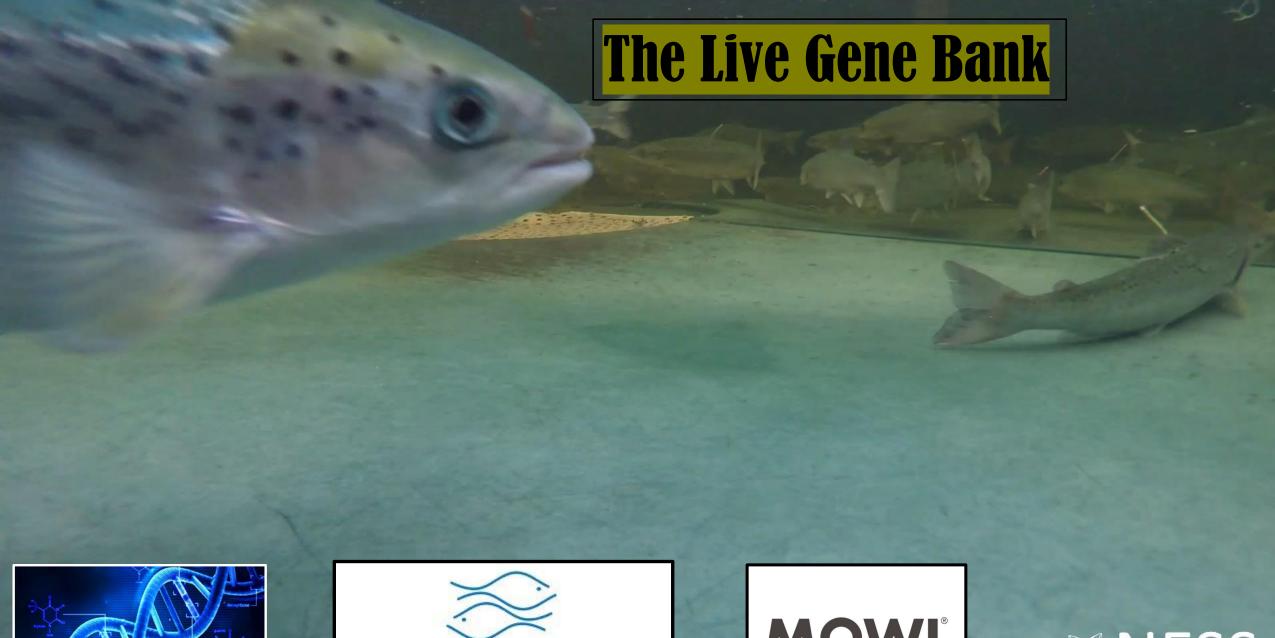
Standard artificial stocking decision-making flowchart









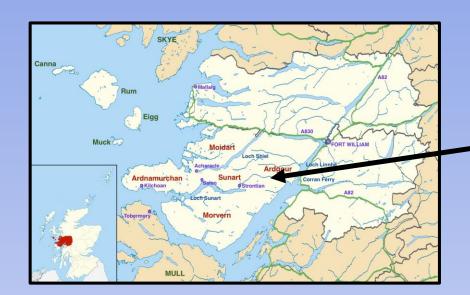












Lochaber Fisheries Trust River Strontian Project



Captive indigenous broodstock reared from wild parr, full genetic screening, eyed ova stocking

