

Report on Aquascan 1600 CSE and Matsusaka Fish Pump







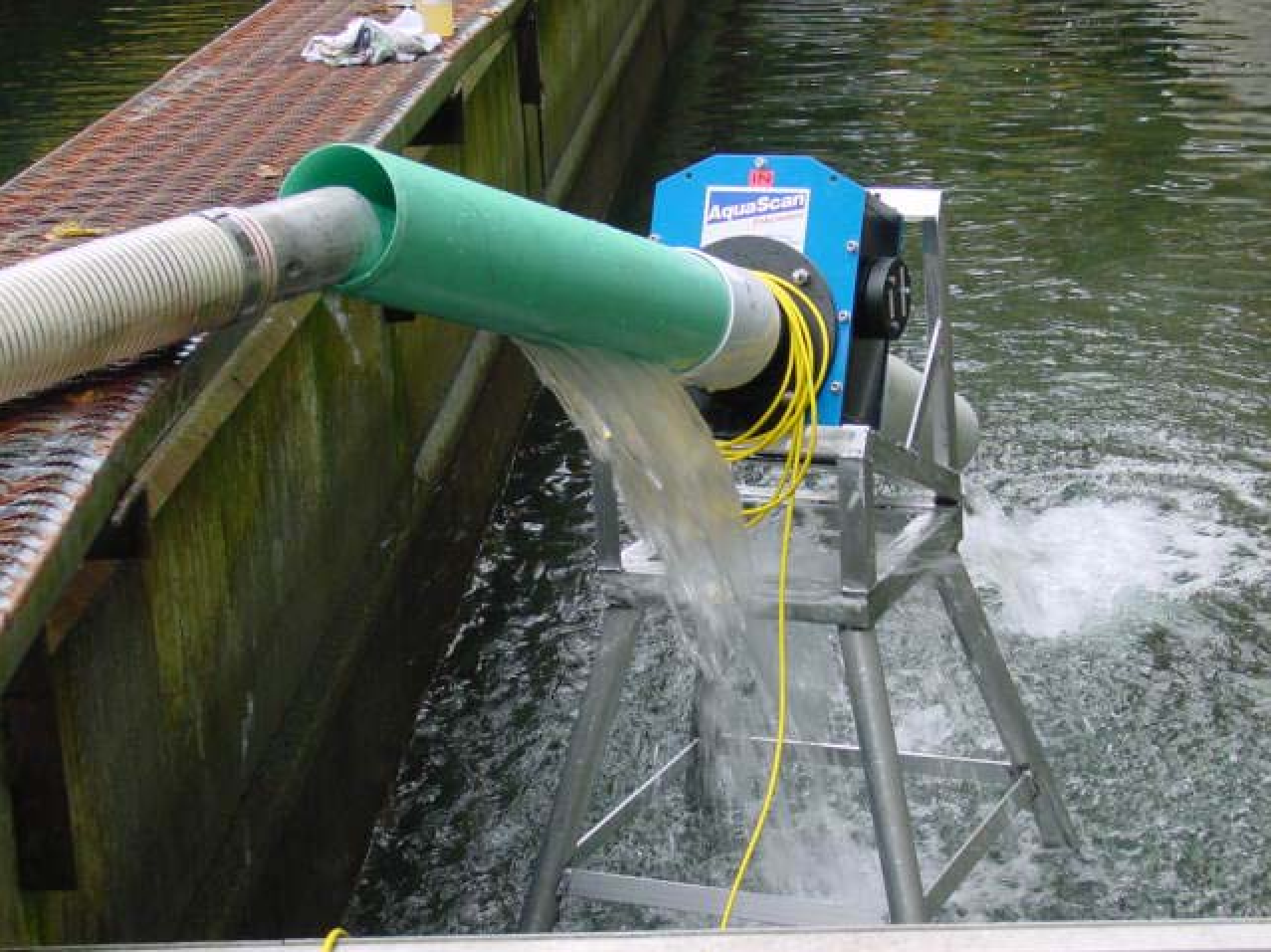


RECOMMENDATION

- Evaluate hatchery programs regularly to ensure accountability for success.

In the fall of 2001 the HSRG provided funding for the purchase of fish counters and pumps to improve fish transfer operations and inventory accuracy at selected hatcheries in Puget Sound.

High product quality and accurate inventory during transfer and release operations can help to ensure program evaluations are based on the best information available









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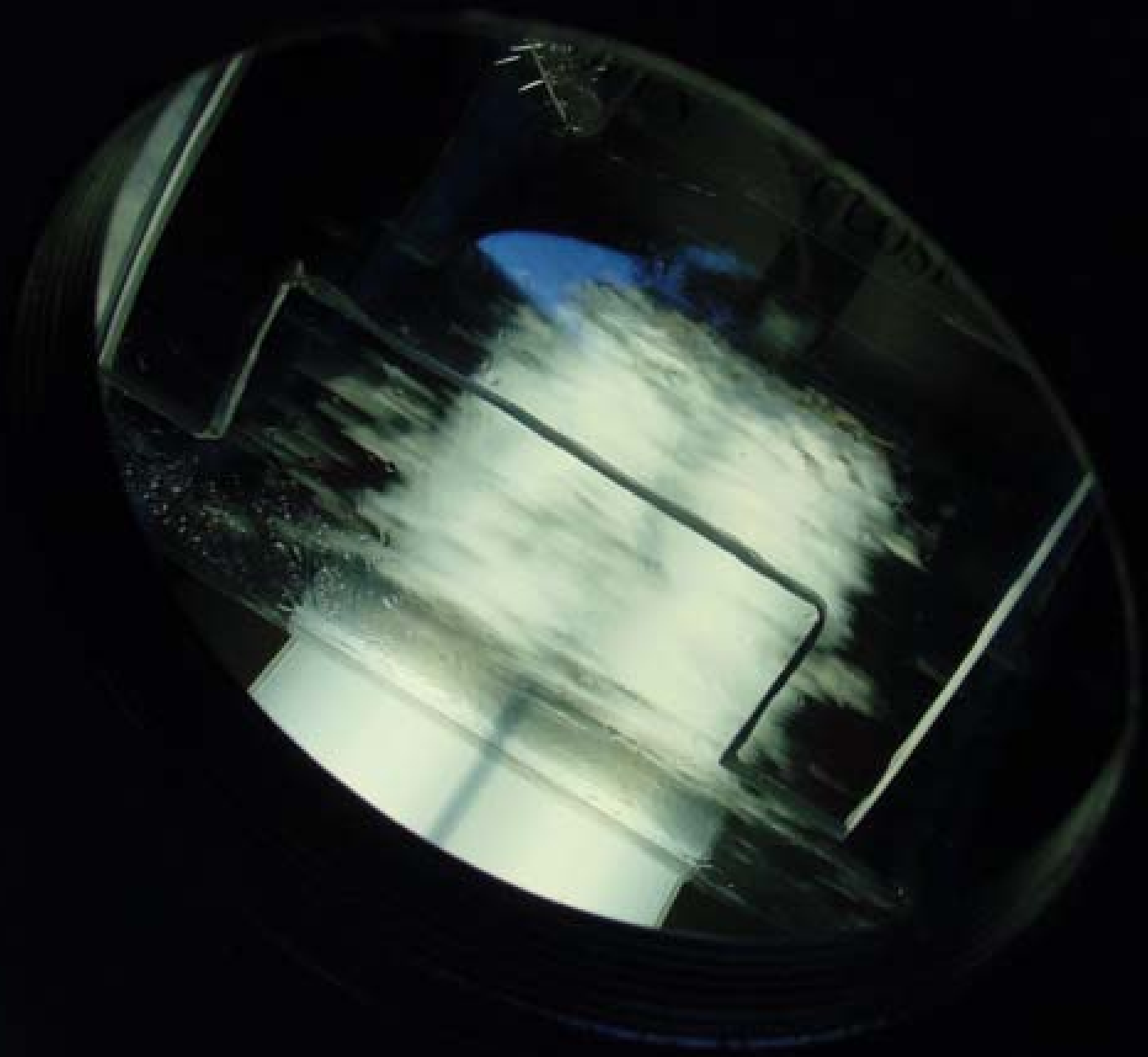
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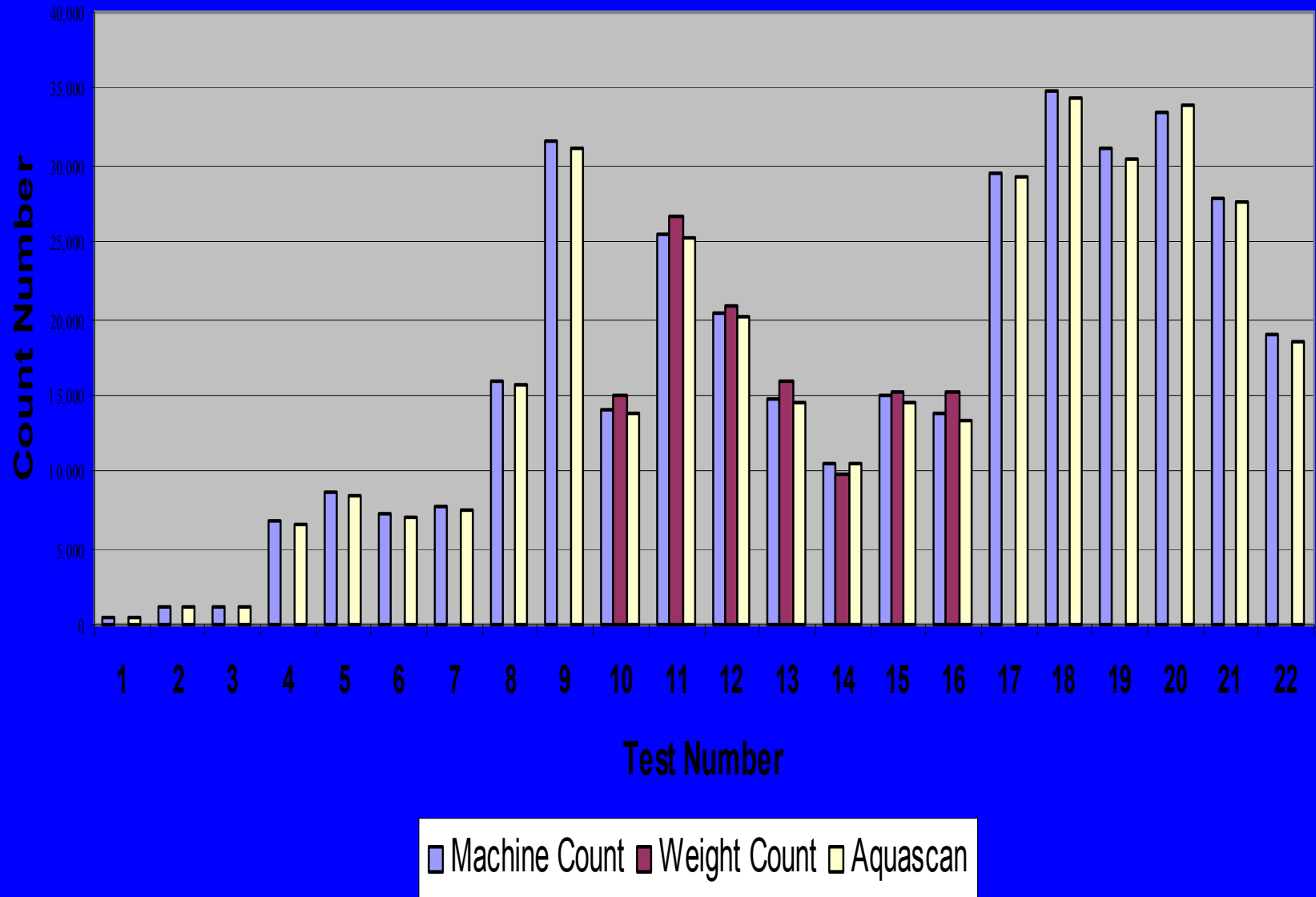








Aquascan Test Trials



Trial #	Control Count CWT machine	Test Count Scale Wt.	Test Count AS1600	Test Count Accuracy			
				Comaparison To Control		Count Difference	
				Scale Wt.	AS 1600	Aquascan	Scal Wt.
1	14,143	14,900	13,818	105.35%	97.70%	-325	757
2	25,553	26,554	25,236	103.92%	98.76%	-317	1001
3	20,359	20,812	20,173	102.23%	99.09%	-186	453
4	14,768	15,910	14,585	107.73%	98.76%	-183	1142
5	10,526	9,800	10,429	93.10%	99.08%	-97	-726
6	14,873	15,298	14,542	102.86%	97.77%	-331	425
7	13,703	15,298	13,323	111.64%	97.23%	-380	1595
	113,925	118,572	112,106			-1,819	4,647
			Avg	103.8%	98.3%	98.4%	95.9%
			Min	93.1%	97.2%		
			Max	111.6%	99.1%		
			std	0.057	0.008		









LIVE FISH TRANSFER PUMP
PIN-PIN Z-100L-8



MAIN PUMP







LIVE FISH TRANSFER PUMP

PIN-PIN



FLOW VELOCITY
CONTROL

MODEL Z-2001

SIZE 200 mm

VOLTAGE 3 ϕ 200 V

MAIN PUMP
OUT PUT 2.2 kW

EXHAUST PUMP
OUT PUT 1.5 kW

SERIAL NO D 1 0 2



MATSUSAKA Ltd.













