

**GROWTH AND SURVIVAL OF OYSTER SPAT (*CRASSOSTREA BELCHER*/  
*SOWERBY*) AS A FUNCTION OF FLOW RATES IN A RECIRCULATED  
UPWELLING SYSTEM**

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**ABSTRACT**

Size, weight and survival rate of oyster spat were examined weekly for 5 weeks in a recirculated upwelling system at flow rate of 25, 50 and 100 ml/min. Each upwelling tube held 5 g spat (3 replications). Growth of *Crassostrea belcheri* spat was positively correlated with increasing rate of water flow. At the end of the experiment, oyster spat had increased size from 1.39 mm to 5.11-7.10 mm. A flow rate of 25 ml/min gave poor results in terms of growth and survival, significantly different from higher flow rates. Survival of spat was 100% at flow rates of 25, 50, 75 and 100 ml/min, respectively.