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## Evaluation of Iceharbor-type precast fishway as ecological corridor in river.

Hwang Jong-Seo<sup>1</sup>, Kim Jae-Ok<sup>P</sup>, Hwang Gilson<sup>3</sup>, Park Sang-Hyun<sup>2</sup>, Jo Guk-Hyun<sup>2</sup>, Joh Seong-Ju<sup>4</sup>

<sup>1</sup>Stream corridor restoration laboratory, Suwon 442-813; <sup>P,2</sup>Agricultural & Rural research institute, Ansan 426-170; <sup>3</sup>Water environmental research laboratory, Gunpo 435-040; <sup>4</sup>Shinkang Hi-tec. Gunpo, 435-040

In order to evaluate the Iceharbor-type fishway as ecological corridor we have investigated fishway utilization efficiency of the fish and aquatic organism in Simchon-Bo of Tamjin River during one year from Apr. 2003 to Apr. 2004. The samples were collected by capture net of  $\phi 5$ mm mesh size during 12hrs at the most upper line of fishway. Captured the fish and aquatic organisms was identified and measured body length of their respective. A total 15species fish was sampling and the snail and the crab(*Eriocheir sinensis*) 1 species, respectively from this investigation. Dominance fish was a dace(*Zacco platypus*) 45% of total individual and long nose barbel (*Hemibarbus longirostris*), gobe minnow(*Pseudogobio esocinus*) and striped shinner (*Microphysogobio yaluensis*) were appeared 14.5%, 10.7% and 9.8%, respectively. Snails moving attached to side-walls of fishway and crab(*Eriocheir sinensis*) of 5 cm a body length utilize the fishway. Variation of bodysize of collected fish was various from maximum 21.6cm to the young fish of 1.7cm a low swimming capacity. In view of the results so far achieved we know this fishway to be appropriate current and environmental conditions for inhabitation of aquatic organism live a river. Therefore, the Iceharbor-type precast fishway play on important role of conservation of stream ecosystem and ecological corridor in river.