

Whooshh Launches NightFlight™ to Improve Downstream Survival



Seattle, Washington Apr 26, 2025 ([IssueWire.com](https://www.issuewire.com)) - Whooshh Innovations, a leading provider of sustainable fish passage technologies, announced the official launch of NightFlight™, a portable and affordable device. This new device is designed to significantly improve the survival rates of out-migrating salmon smolts and fingerlings in rivers and streams.

With salmon populations facing mounting pressures from habitat loss, climate change, and predation, fisheries managers and conservationists have long sought cost-effective and reliable solutions to boost juvenile survival rates. As such, NightFlight™ addresses this need by providing a “smart release” system that automatically deploys juvenile fish under the cover of darkness—an optimal window when threats from both fish and avian predators are drastically reduced.

“After years of studies I am thrilled that NightFlight™ is now available in an off-the-shelf product,” said Ross Glover, UK biologist and inventor of the original prototype. “Our goal was to enhance the survival rates of salmonids and ensure a sustainable future for our riverine ecosystems. This cost-effective product is designed to address the critical predation challenges faced by out-migrating fingerlings and smolts.”

This new system is defined by several key features that set it apart as a practical solution for fisheries management. It utilizes a smart release system with a programmable timer, enabling the targeted release of smolts and fingerlings at night. The protective design shields vulnerable juveniles from predatory fish and birds during the daylight after release, further increasing their odds of survival during migration to the sea. It can be easily transported in the back of a pick-up truck or SUV for rapid deployment at remote or multiple sites. At only USD \$3,950.00, NightFlight™ is an affordable tool accessible to agencies, tribes, NGOs, and private organizations facing budget constraints.

The introduction of [NightFlight™](#) is the result of extensive research and collaboration with fisheries biologists, river managers, and technology innovators. Field data from prototype deployments have shown significant increases in escapement and subsequent smolt-to-adult return ratios—a key indicator of long-term population resilience.

Vincent Bryan III, CEO of Whooshh Innovations, commented: “We are delighted to be bringing to dam owners and operators, government agencies, tribes and first nations, and so many NGOs, an affordable and proven solution, which will have an immediate and positive impact on survival success of out-

migrating smolts and fingerlings.”

NightFlight™ is available for pre-order online at [Downstream Passage Solution - Whooshh Innovations](#). Organizations placing one of the first 100 pre-orders will benefit from an exclusive \$250.00 discount on the purchase price (limit of 10 units per customer). This offer encourages early adoption and rapid deployment for the out-migration season.

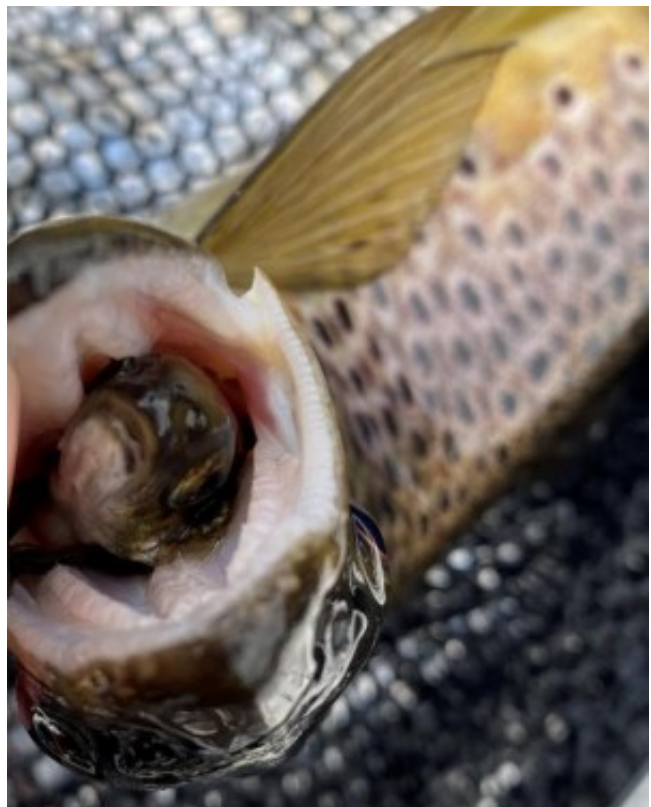
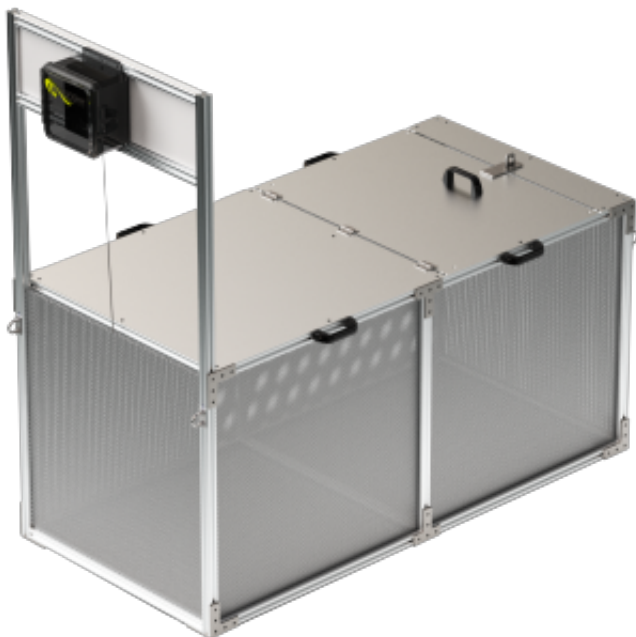
Toward a Healthier Aquatic Future

With NightFlight™, [Whooshh Innovations](#) continues its commitment to providing innovative, science-driven solutions that help fisheries managers, tribal organizations, and conservation agencies protect vulnerable fish populations. The system will go a long way to add to the company’s portfolio of sustainable fish passage technologies that improve ecological connectivity and help restore natural aquatic processes—without compromising operational efficiency or affordability.

About Whooshh Innovations

Whooshh Innovations, headquartered in Seattle, WA, is recognized for pioneering advancements in fish passage, monitoring, and management systems. The company’s patented technologies—including fish recognition, pneumatic transport, and adaptive passage systems—are deployed globally in support of hydropower operators, government agencies, conservation organizations, and tribal fisheries. Whooshh Innovations’ mission is to develop innovative solutions that sustain fisheries, restore habitats, and enhance river connectivity for all aquatic species.

*Discount limited to a total of 10 NightFlight™ units per customer.



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