

## Poster

### **Build It and They Will Come ... Innovative Traps for Collecting Spawners**

Steve Roberts

Washington Department of Fish and Wildlife, 2315 N. Discovery Place, Spokane Valley, WA 99216, [robersdr@dfw.wa.gov](mailto:robersdr@dfw.wa.gov)

Washington Department of Fish and Wildlife (WDFW) operates a number of fish traps around the state to collect trout and kokanee salmon spawners and their gametes for fish production. Most traps are constructed on inlet streams. This poster describes two innovative traps which use pumped lake water to attract spawners.

In the 1990's, a redband trout broodstock lake was developed in northeast Washington near Colville, Washington. Juvenile redbands were collected from tributaries of Lake Roosevelt and transferred to the brood lake (Phalon Lake) in the fall. In the early years, a floating lake trap was used to collect the spawners in the spring. Mature males and females were spawned lakeside and green eggs were taken to the Colville Hatchery for incubation and rearing.

In 1995, an innovative fish trap was installed to collect redband spawners. The trap includes two lakeside rectangular concrete boxes with an aluminum fish ladder to the lake. One concrete box is holding area for maturation. The second box is the fish trap. Water was pumped from the lake into holding area through the trap and out the fish ladder to the lake. The pump trap has been used to successfully collect spawners each spring. Annual total egg takes have ranged from 10,000 to 188,000 eggs.

Another pump trap was employed at Chapman Lake near Cheney, Washington to collect kokanee spawners for disease testing and assessment of future potential for egg collection. The fish trap consisted of a wire box with a trap throat. Water was pumped through the trap throat to attract spawners into the collection box. This simple pump trap was used to collect a few hundred kokanee spawners for disease testing for the past two years.