

of Engineers ® Walla Walla District



The U.S. Army Corps of Engineers runs the Juvenile Fish Transportation Program in cooperation with NOAA-Fisheries, and in accordance with NOAA's hydropower Biological Opinion for salmon.

Tools of the Trade Barges are used when the numbers of outmigrating anadromous salmonids are highest. Trucks are used early and late in the runs when there are fewer fish.

Trucks ~ each trailer-tank is equipped with a recirculation and aeration system. Mini- and midi-tanks are small units that can be mounted onto pickup trucks.

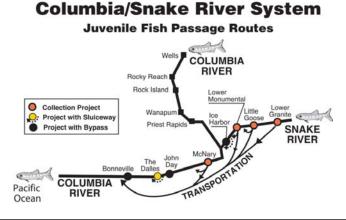
Barges ~ a pump system circulates river water through the fish tanks on the barge, allowing the young fish to imprint the smells of the water during the trip downriver.

The barges also have a closed-circuit recirculation system which can shut off river intake completely if they encounter contaminated water. Pumping systems maintain proper oxygen saturation and de-gas the water inflow to eliminate the potential for gas bubble disease in transported fish.

Towboats push the fish barges up and down the rivers. The trip from Lower Granite Lock and Dam to the mid-river release area near the Skamania light buoy downstream of Bonneville Lock and Dam takes between 79-96 hours.

Fish Transportation Fleet			
Barge	Capacity (gal)	Inflow (gpm)	Fish Capacity (lbs)
Sockeye (2127)	85,000	4,600	23,000
Blueback (2817)	85,000	4,600	23,000
Steelhead (4382)	100,000	10,000	50,000
Coho (4394)	100,000	10,000	50,000
Chinook (8105)	150,000	15,000	75,000
King Salmon (8106)	150,000	15,000	75,000
8107	150,000	15,000	75,000
8108	150,000	15,000	75,000
Truck	3,500		1,750
Midi-tank	300		150
Midi-tank	150		75

ish Transportation Fleet

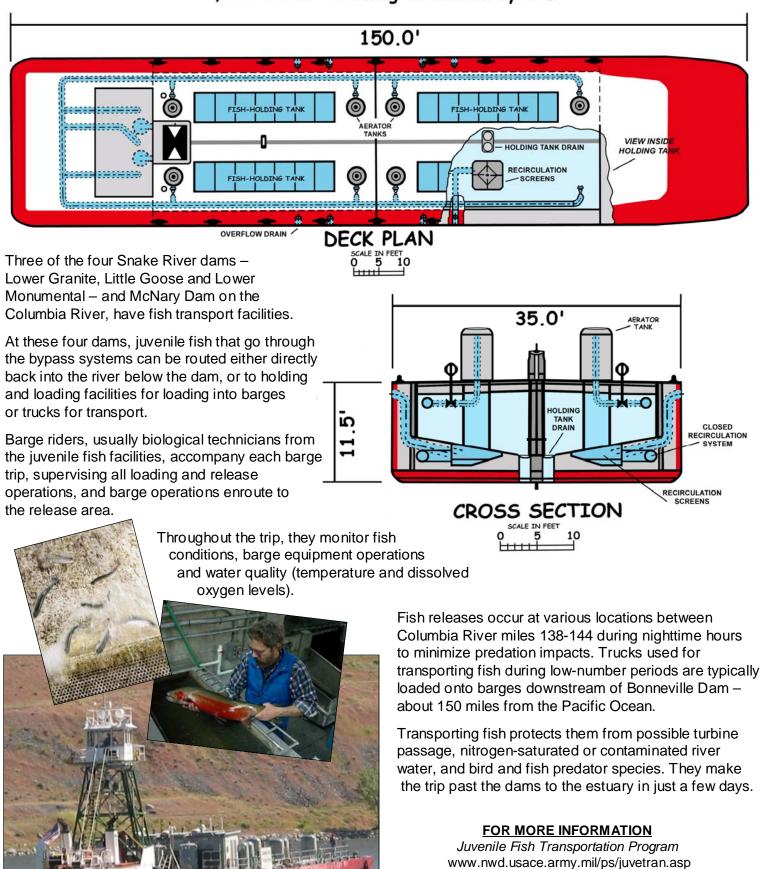






50,000-POUND CAPACITY FISH TRANSPORTATION BARGE

4,000-series – showing circulation system



ww.nwd.usace.army.mil/ps/juvetran.as Fish Recovery Efforts in the Region www.salmonrecovery.gov/ Walla Walla District, U.S. Army Corps of Engineers cenww-pa@usace.army.mil