



Spillway passage 40%

Surface weir passage 24%

Turbine passage 11%

Juvenile bypass passage 25%

Spillway survival 97.4%

Spillway survival 95.8%

Turbine survival 91.0%

Juvenile bypass survival 99.3%

Overall dam survival:
96.8%

BiOp Performance Standard: 96%
Actual spill operation:
Combined 30% and 40% 24 hours /day

John Day Dam 2011 Passage and Survival Estimates Yearling Chinook