

# MIGRATION ROUTE CHART

Pacific Northwest Basin | Series A-4

SPECIES: ONCORHYNCHUS NERKA EST. DISTANCE: 450 MILES SEASON: AUTUMN 2024

**The Estuary (Mouth of River) 0 FT**

Acclimatization zone. Transition from saltwater to freshwater osmoregulation. Waiting for high tide pulses.

**Lower Canyon Rapids 450 FT**

High velocity current. Primary challenge: navigating rocky narrows and avoiding predatory bottleneck points.

**Confluence Junction 1,200 FT**

Main stem diversion. Olfactory homing critical for selecting the northern tributary toward natal grounds.

**The Falls (Vertical Ascent) 2,100 FT**

Six-foot vertical leap required. Resting pools available on river left. Maximum energy expenditure phase.

**Spawning Gravel Beds 3,450 FT**

Terminal destination. High dissolved oxygen levels. Substrate composition: 2-4cm clean gravel.

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AVG. TEMP **52F / 11C**  
FLOW RATE **450 CFS**  
TURBIDITY **Low / Clear**