The following supplement accompanies the article

Evidence for multiple navigational sensory capabilities of Chinook salmon

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Supplement. Density of simulated fish in May and June of 2003, 2004, and 2008 for each behaviour (see Table 1 in the main article) is presented in Figs. S1–S6. Fig. S7 shows the sensitivity of initial values to final latitude.
Fig. S1. Smoothed probability of occurrence of simulated fish in May 2003. Circles show the mean location of simulated fish, and lines represent the variance in 2 directions. Black histogram shows the mean catch per unit effort (CPUE) for each transect from the trawl survey. Behaviour codes as in Table 1 in the main article.
Fig. S2. Smoothed probability of occurrence of simulated fish in June 2003. Circles show the mean location of simulated fish, and lines represent the variance in 2 directions. Black histogram shows the mean catch per unit effort (CPUE) for each transect from the trawl survey.
Fig. S3. Smoothed probability of occurrence of simulated fish in May 2004. Circles show the mean location of simulated fish, and lines represent the variance in 2 directions. Black histogram shows the mean catch per unit effort (CPUE) for each transect from the trawl survey.
Fig. S4. Smoothed probability of occurrence of simulated fish in June 2004. Circles show the mean location of simulated fish, and lines represent the variance in 2 directions. Black histogram shows the mean catch per unit effort (CPUE) for each transect from the trawl survey.
Fig. S5. Smoothed probability of occurrence of simulated fish in May 2008. Circles show the mean location of simulated fish, and lines represent the variance in 2 directions. Black histogram shows the mean catch per unit effort (CPUE) for each transect from the trawl survey (note the different scales between 2008 and the other 2 years).
Fig. S6. Smoothed probability of occurrence of simulated fish in June 2008. Circles show the mean location of simulated fish, and lines represent the variance in 2 directions. Black histogram shows the mean catch per unit effort (CPUE) for each transect from the trawl survey (note the different scales between 2008 and the other 2 years).
Fig. S7. Relationship between initial length (left), ocean entry date (middle), or P-value for the bioenergetics model (right) and final latitude for each of 10,000 simulated fish in 2003 (top), 2004 (center), and 2008 (bottom). All data come from the best-fit simulations of active northward migration, where swim speeds (body lengths s$^{-1}$) were 0.9 in 2003, 0.3 in 2004, and 0.5 in 2008.