



2018 Final Prospects and Forecast for Chinook Salmon Timing

Lower Yukon River (Area Y-1)

Run Timing Prospects for 2018

The 2018 timing for Yukon River Chinook is expected to be slightly earlier than average. The first significant pulse (15% point) of Chinook in the lower river is expected on June 8, which is earlier than the long-term average of June 13 (1961 - 2017). The half-way point (50%) of the run is expected to be reached on June 16, which is earlier than the long-term average of June 21 (1961 - 2017). The April mean air temperature at Nome this year of -3.2 °C was greater than the long-term average of -6.69 °C (1961 - 2017). In keeping with the early spring conditions in northwestern Alaska, the Spring (April 20 – May 31) sea ice concentration was 0 %, significantly lower than the long-term average of 0.55 %, as measured in the waters between the Yukon River delta and St. Lawrence Island (Shpanberg Strait).

Run Timing Forecast by Date 2018

Based on the relationship between the dates of the three percentiles (15%, 25%, 50%) and the sea ice concentrations and the air and sea surface temperatures, the predicted dates of the three percentiles are June 8 (15%), June 10 (25%), and June 16 (50%) in District Y-1 of the Lower Yukon River

Percentile (%)	Predicted Date
15	June 8
25	June 10
50	June 16

See [the project website](#) for comparisons of the estimated daily percentages of the run to results of the 2018 Lower Yukon Test Fishery and past years' test fisheries. If the current timing model doesn't match reality, the forecast dates will be updated and posted on the web site.

Credits

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